

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059441.D
 Acq On : 27 Jun 2018 13:37
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Manual Integrations
 APPROVED

Quant Time: Jun 28 13:05:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	6/28/2018 1:15:37 PM
1) Pentafluorobenzene	5.65	168	999462	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	6.69	114	1320252	50.00	ug/l	0.00	
63) Chlorobenzene-d5	10.69	117	1032307	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	12.90	152	538767	50.00	ug/l	0.00	

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	423237	41.41	ug/l	-0.01
Spiked Amount						
			Recovery	=	82.82%	
35) Dibromofluoromethane	5.55	113	457627	42.55	ug/l	0.00
Spiked Amount						
			Recovery	=	85.10%	
50) Toluene-d8	8.70	98	1039080	41.33	ug/l	-0.01
Spiked Amount						
			Recovery	=	82.66%	
62) 4-Bromofluorobenzene	11.93	95	446562	42.70	ug/l	0.00
Spiked Amount						
			Recovery	=	85.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	215545	24.24	ug/l	94
3) Chloromethane	1.50	50	101997	22.04	ug/l	# 85
4) Vinyl Chloride	1.56	62	101001	21.04	ug/l	96
5) Bromomethane	1.80	94	35388m	19.57	ug/l	
6) Chloroethane	1.89	64	39460	17.91	ug/l	94
7) Trichlorofluoromethane	2.09	101	151304	21.86	ug/l	99
8) Diethyl Ether	2.35	74	33602	21.45	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	102540	23.84	ug/l	95
10) Methyl Iodide	2.70	142	98251	19.55	ug/l	99
11) Tert butyl alcohol	3.29	59	28618m	80.94	ug/l	
12) 1,1-Dichloroethene	2.55	96	77137	23.42	ug/l	93
13) Acrolein	2.48	56	33855	107.10	ug/l	91
14) Allyl chloride	2.92	41	160015	21.23	ug/l	93
15) Acrylonitrile	3.39	53	120320	110.87	ug/l	95
16) Acetone	2.62	43	142958	110.82	ug/l	99
17) Carbon Disulfide	2.76	76	220625	21.87	ug/l	98
18) Methyl Acetate	2.95	43	52666	17.21	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	339432	20.94	ug/l	100
20) Methylene Chloride	3.07	84	95386	25.44	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	151616	26.04	ug/l	94
22) Diisopropyl ether	4.07	45	610288	21.52	ug/l	100
23) Vinyl Acetate	4.03	43	1621618	109.74	ug/l	100
24) 1,1-Dichloroethane	3.98	63	358199	22.07	ug/l	99
25) 2-Butanone	4.84	43	271671	100.54	ug/l	100
26) 2,2-Dichloropropane	4.80	77	307524	24.43	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	192505	19.67	ug/l	97
28) Bromochloromethane	5.15	49	143586	20.41	ug/l	97
29) Tetrahydrofuran	5.19	42	143600	97.15	ug/l	97
30) Chloroform	5.32	83	385879	21.82	ug/l	94
31) Cyclohexane	5.60	56	265688	22.68	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	305987	21.36	ug/l	98
36) 1,1-Dichloropropene	5.75	75	260567	21.76	ug/l	96
37) Ethyl Acetate	4.93	43	142803	19.58	ug/l	96
38) Carbon Tetrachloride	5.73	117	259996	21.06	ug/l	90

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Manual Integrations
 APPROVED

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	6/28/2018 1:15:37 PM
39) Methylcyclohexane	7.28	83	250808	22.08	ug/l	97	
40) Benzene	6.01	78	627600	21.84	ug/l	99	
41) Methacrylonitrile	5.13	41	63959	18.21	ug/l #	92	
42) 1,2-Dichloroethane	6.13	62	246234	19.39	ug/l	96	
43) Isopropyl Acetate	7.62	43	171849	18.76	ug/l #	93	
44) Trichloroethene	6.98	130	187338	19.91	ug/l	96	
45) 1,2-Dichloropropane	7.34	63	163151	20.50	ug/l	96	
46) Dibromomethane	7.46	93	114324	19.97	ug/l	91	
47) Bromodichloromethane	7.74	83	263129	20.54	ug/l	97	
48) Methyl methacrylate	7.50	41	100096	17.94	ug/l	99	
49) 1,4-Dioxane	7.48	88	21208	378.95	ug/l #	85	
51) 4-Methyl-2-Pentanone	8.59	43	583257	95.56	ug/l	98	
52) Toluene	8.80	92	344593	20.08	ug/l	95	
53) t-1,3-Dichloropropene	9.18	75	225929	21.11	ug/l	100	
54) cis-1,3-Dichloropropene	8.36	75	260905	21.05	ug/l	99	
55) 1,1,2-Trichloroethane	9.45	97	118289	18.98	ug/l	93	
56) Ethyl methacrylate	9.31	69	140098	19.70	ug/l	98	
57) 1,3-Dichloropropane	9.67	76	213662	20.96	ug/l	98	
58) 2-Chloroethyl Vinyl ether	8.19	63	363500	99.30	ug/l	99	
59) 2-Hexanone	9.78	43	442791	102.07	ug/l	96	
60) Dibromochloromethane	9.95	129	168900	19.35	ug/l	92	
61) 1,2-Dibromoethane	10.09	107	137562	19.82	ug/l	98	
64) Tetrachloroethene	9.51	164	174621	19.28	ug/l	96	
65) Chlorobenzene	10.72	112	398670	21.12	ug/l	98	
66) 1,1,1,2-Tetrachloroethane	10.85	131	160263	22.12	ug/l	94	
67) Ethyl Benzene	10.86	91	769583	24.16	ug/l	99	
68) m/p-Xylenes	11.01	106	469226	44.40	ug/l	97	
69) o-Xylene	11.40	106	235771	22.57	ug/l	95	
70) Styrene	11.43	104	388836	21.71	ug/l	100	
71) Bromoform	11.60	173	117041	19.50	ug/l	100	
73) Isopropylbenzene	11.77	105	686593	22.58	ug/l	96	
74) N-amyl acetate	11.64	43	220241	19.04	ug/l	98	
75) 1,1,2,2-Tetrachloroethane	12.08	83	141731	19.87	ug/l	94	
76) 1,2,3-Trichloropropane	12.11	75	141929	19.10	ug/l	94	
77) Bromobenzene	12.04	156	202262	21.14	ug/l	89	
78) n-propylbenzene	12.15	91	863826	22.43	ug/l	95	
79) 2-Chlorotoluene	12.22	91	500072	22.11	ug/l	94	
80) 1,3,5-Trimethylbenzene	12.31	105	560536	23.16	ug/l	100	
81) trans-1,4-Dichloro-2-buten	11.84	75	33778	20.00	ug/l	96	
82) 4-Chlorotoluene	12.32	91	578841	22.57	ug/l	93	
83) tert-Butylbenzene	12.57	119	607382	23.59	ug/l	93	
84) 1,2,4-Trimethylbenzene	12.62	105	558477	21.80	ug/l	97	
85) sec-Butylbenzene	12.76	105	708955	22.44	ug/l	98	
86) p-Isopropyltoluene	12.88	119	582046	22.86	ug/l	98	
87) 1,3-Dichlorobenzene	12.84	146	352452	22.39	ug/l	97	
88) 1,4-Dichlorobenzene	12.92	146	343564	22.12	ug/l	94	
89) n-Butylbenzene	13.19	91	615043	24.47	ug/l	98	
90) Hexachloroethane	13.40	117	141849	22.33	ug/l	88	
91) 1,2-Dichlorobenzene	13.19	146	303579	22.74	ug/l	98	
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22913	19.48	ug/l	75	

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ClientSampleId :
VD0627SBSD01

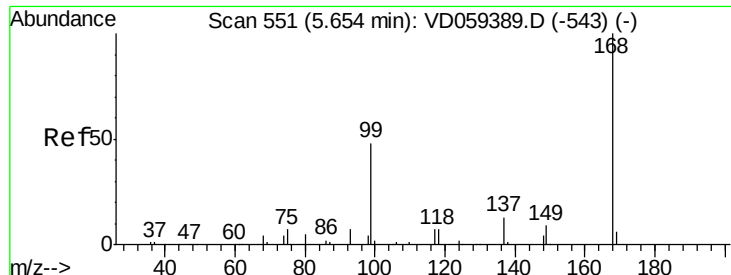
Manual Integrations
APPROVED

Quant Time: Jun 28 13:05:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	6/28/2018 1:15:37 PM
93) 1,2,4-Trichlorobenzene	14.33	180	287189	23.27	ug/l	92	
94) Hexachlorobutadiene	14.43	225	208370	22.44	ug/l	99	
95) Naphthalene	14.51	128	348987	20.29	ug/l	99	
96) 1,2,3-Trichlorobenzene	14.66	180	233125	21.01	ug/l	98	

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion:168 Resp: 999462

Ion Ratio Lower Upper

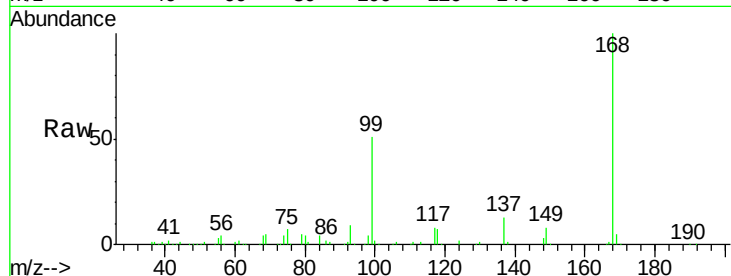
168 100

99 50.5 41.0 61.6

Manual Integrations

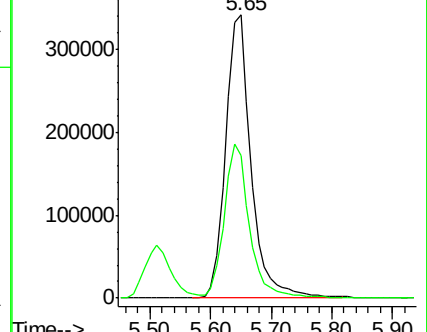
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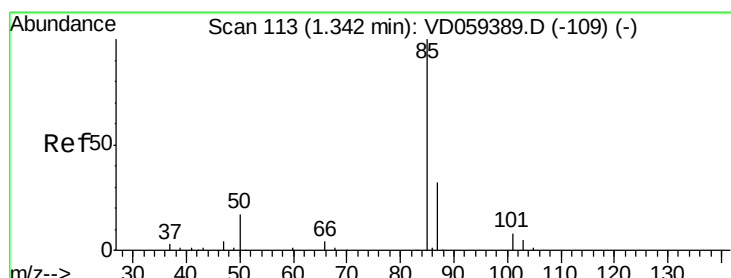
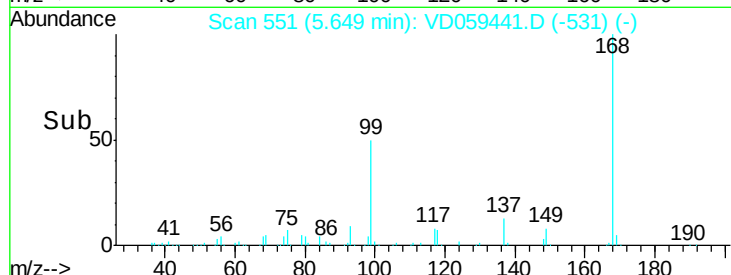


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



6/28/2018 1:15:37 PM



#2

Dichlorodifluoromethane

Concen: 24.24 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059441.D

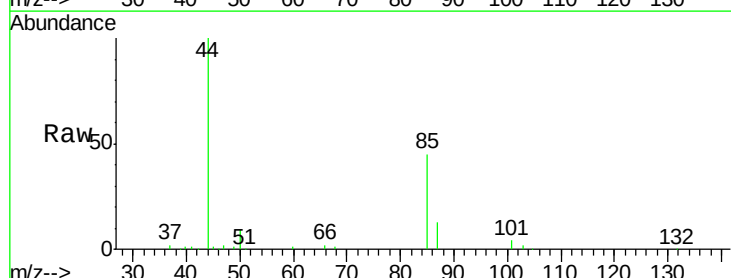
Acq: 27 Jun 2018 13:37

Tgt Ion: 85 Resp: 215545

Ion Ratio Lower Upper

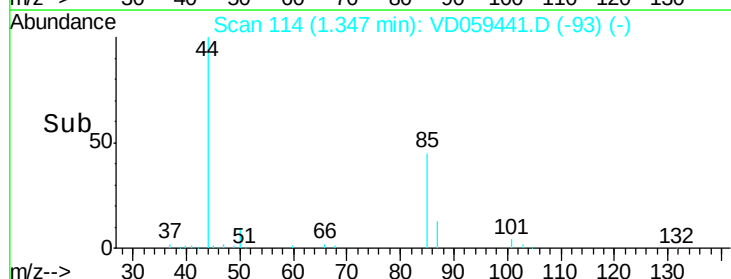
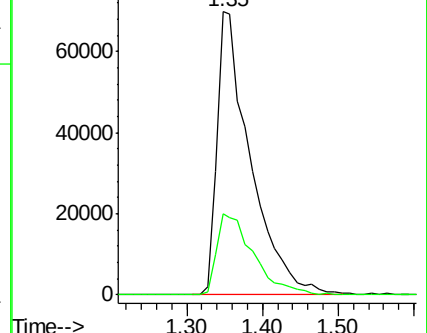
85 100

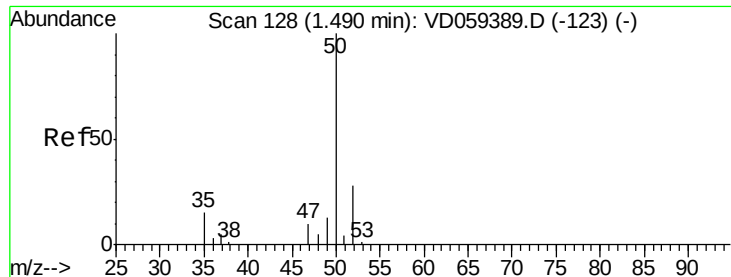
87 28.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.04 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 50 Resp: 101997

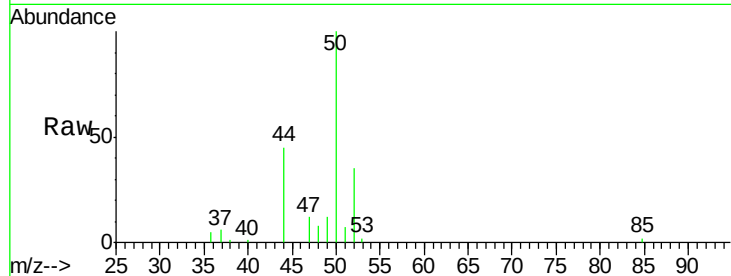
Ion Ratio Lower Upper

50 100

52 35.0 21.8 32.8#

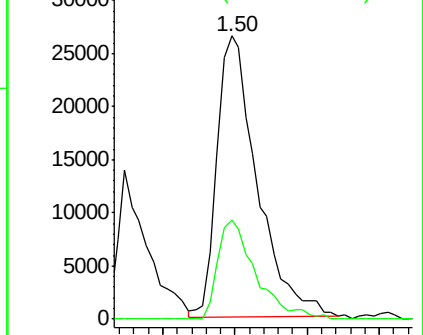
Manual Integrations
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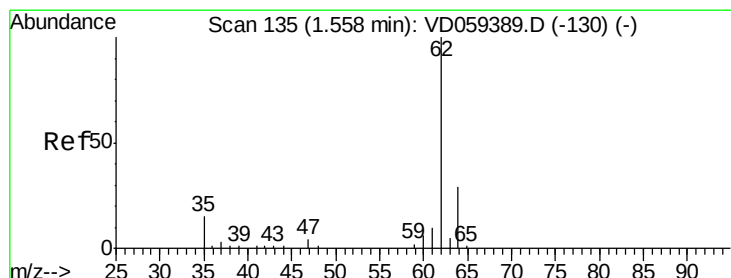
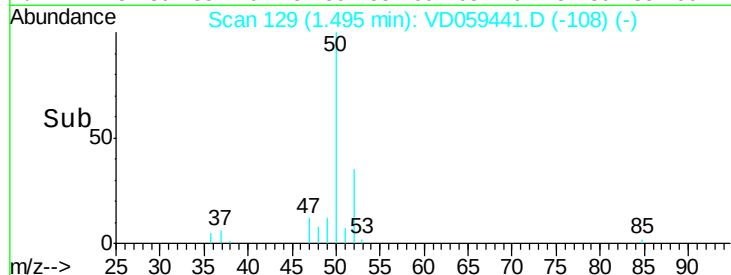


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



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#4

Vinyl Chloride

Concen: 21.04 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059441.D

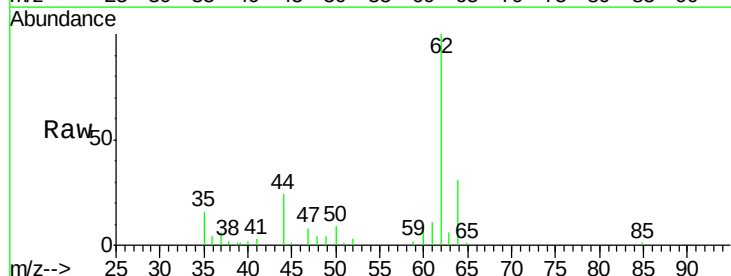
Acq: 27 Jun 2018 13:37

Tgt Ion: 62 Resp: 101001

Ion Ratio Lower Upper

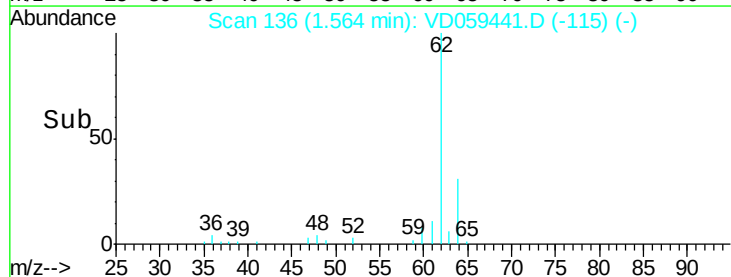
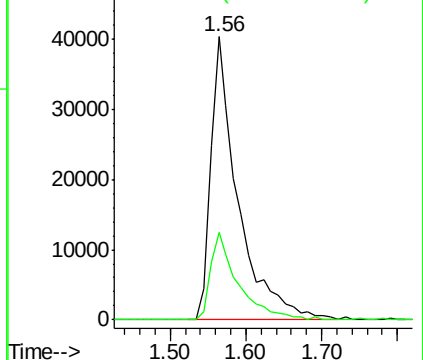
62 100

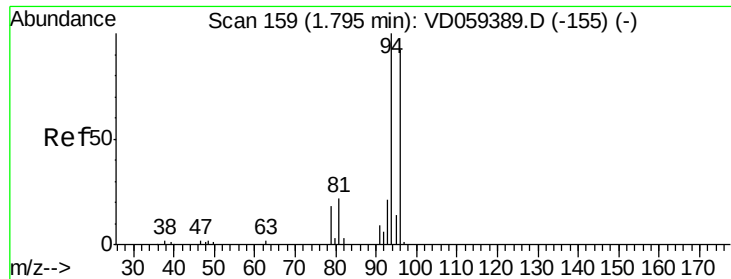
64 31.1 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.57 ug/l m

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBSD01

Tot Ion: 94 Resp: 35388

Ion Ratio Lower Upper

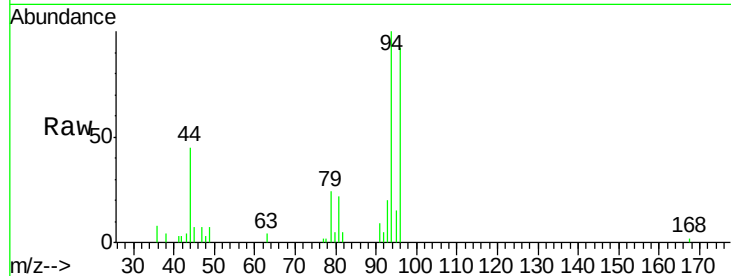
94 100

96 91.7 73.4 110.0

Manual Integrations

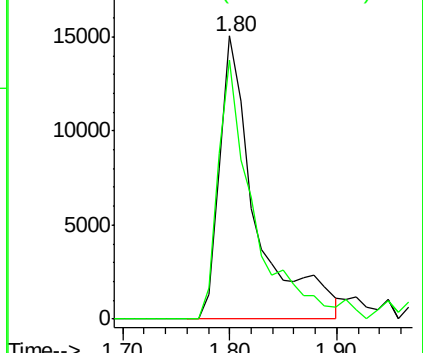
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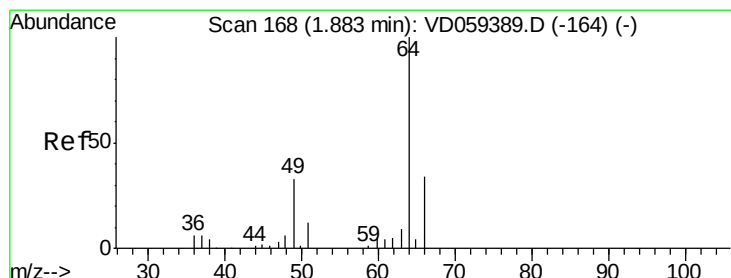
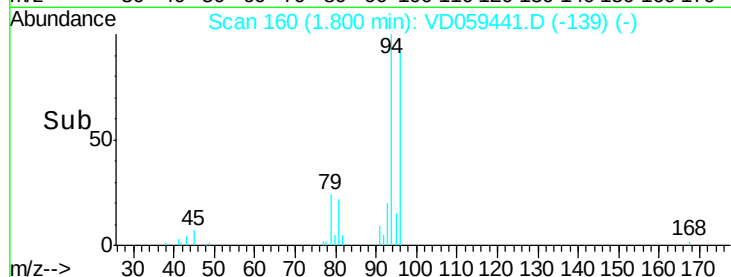


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



6/28/2018 1:15:37 PM



#6

Chloroethane

Concen: 17.91 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD059441.D

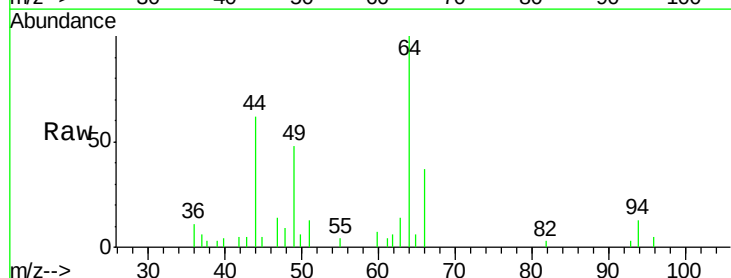
Acq: 27 Jun 2018 13:37

Tgt Ion: 64 Resp: 39460

Ion Ratio Lower Upper

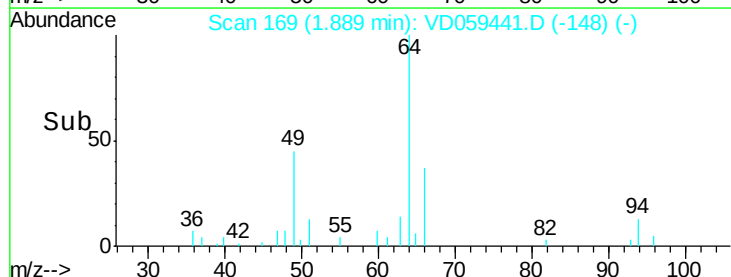
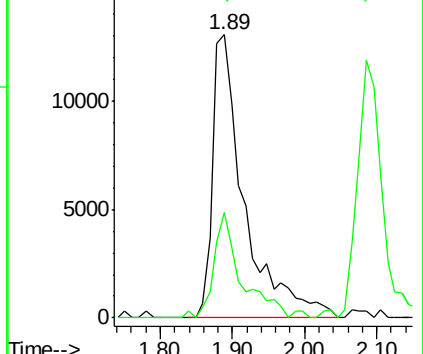
64 100

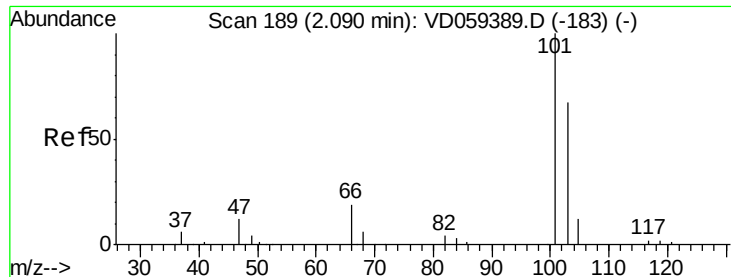
66 37.4 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

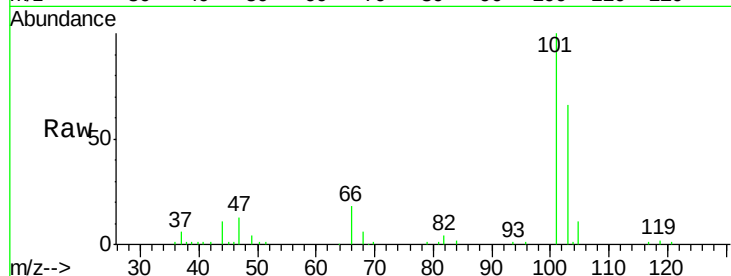
Trichlorofluoromethane
Concen: 21.86 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
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ClientSampleId :
VD0627SBSD01

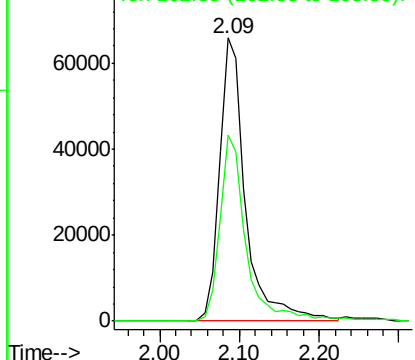
Tot Ion:101 Resp: 151304
Ion Ratio Lower Upper
101 100
103 65.6 53.4 80.0

Manual Integrations
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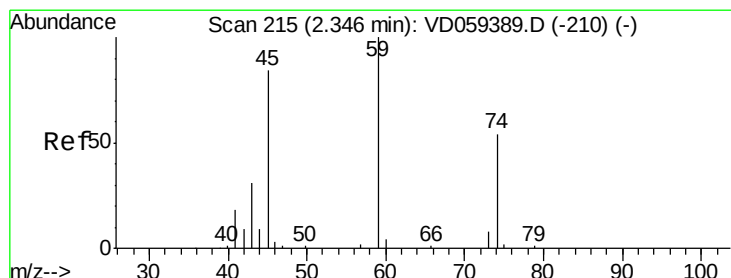
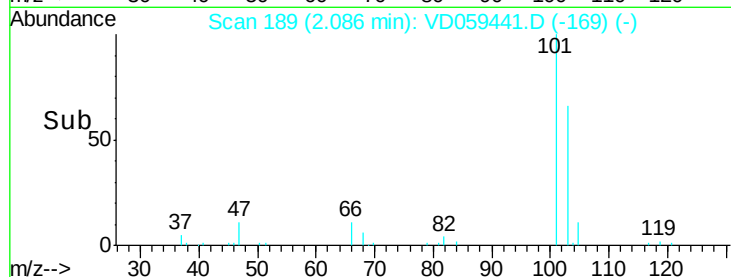
apatel



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



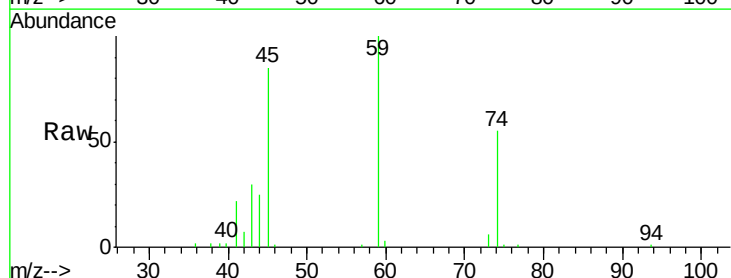
6/28/2018 1:15:37 PM



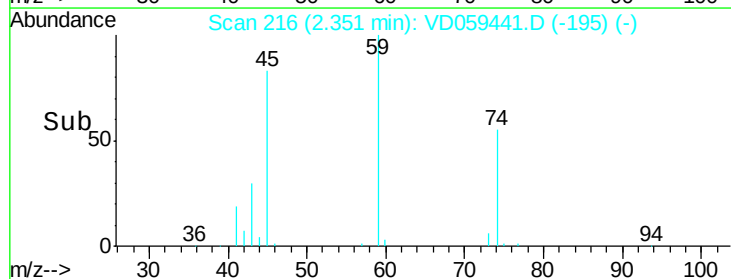
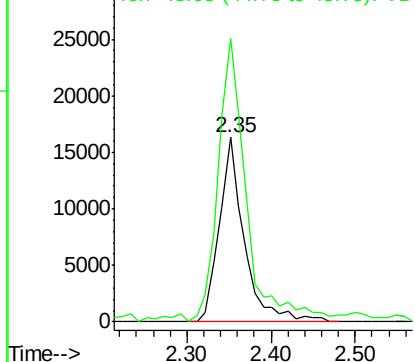
#8

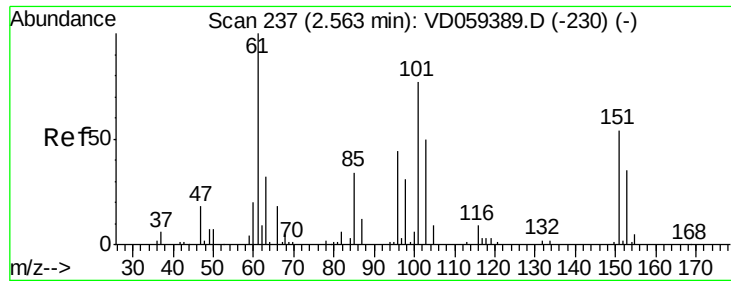
Diethyl Ether
Concen: 21.45 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 74 Resp: 33602
Ion Ratio Lower Upper
74 100
45 153.2 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.84 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

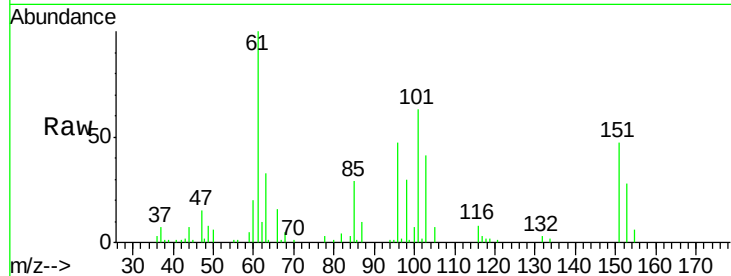
ClientSampleId :

VD0627SBS01

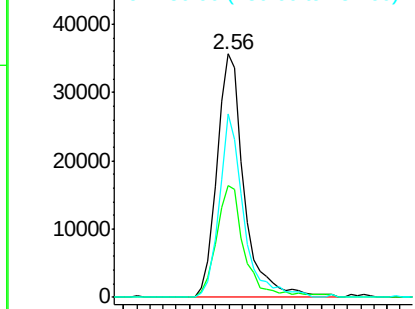
Tot Ion:	101	Resp:	102540
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.7	53.5
151	75.2	55.8	83.8

Manual Integrations
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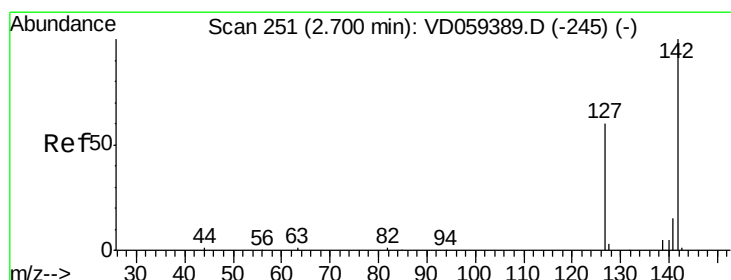
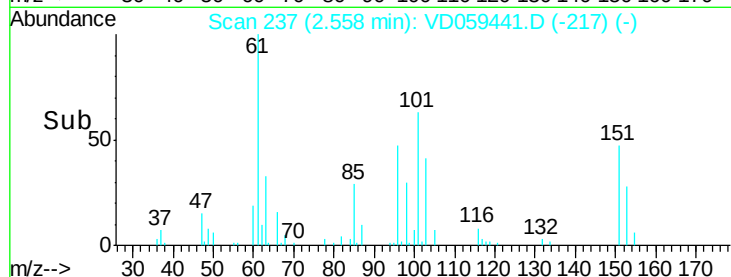
apatel



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



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#10

Methyl Iodide

Concen: 19.55 ug/l

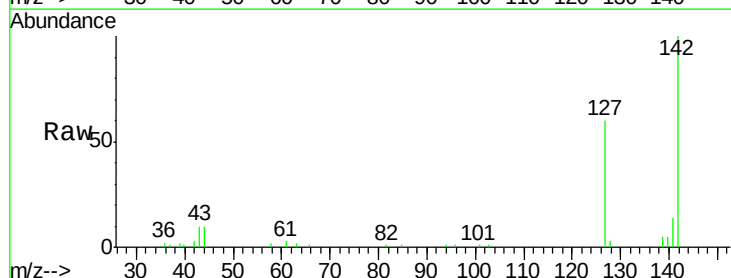
RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

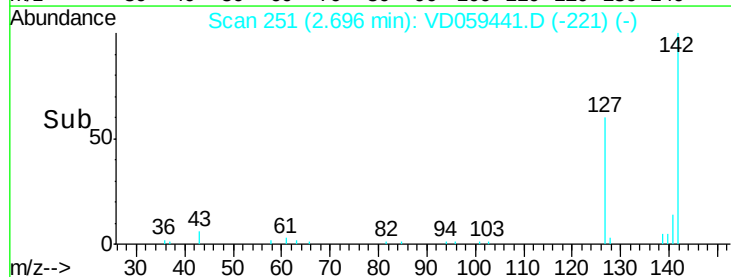
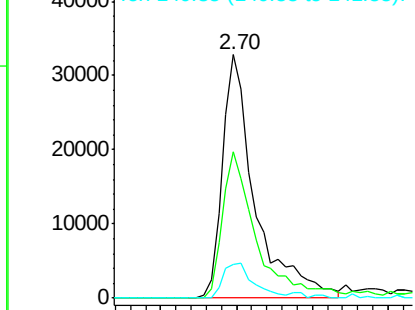
Lab File: VD059441.D

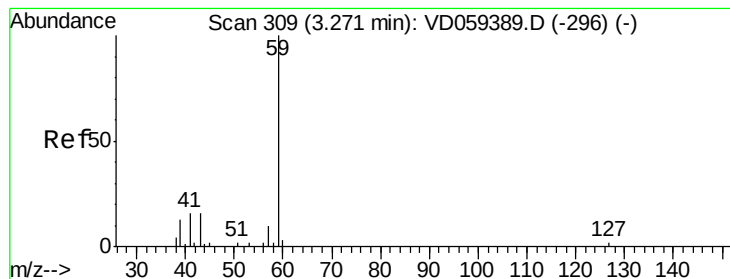
Acq: 27 Jun 2018 13:37

Tgt Ion:	142	Resp:	98251
Ion Ratio	Lower	Upper	
142	100		
127	60.3	48.4	72.6
141	13.6	12.1	18.1



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

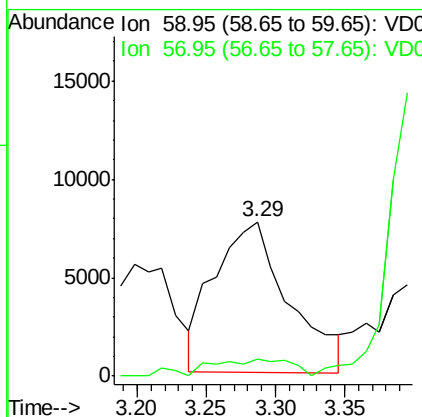
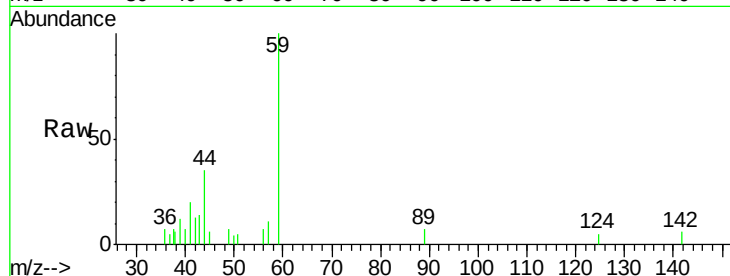
Tert butyl alcohol
Concen: 80.94 ug/l m
RT: 3.29 min Scan# 311
Delta R.T. 0.02 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

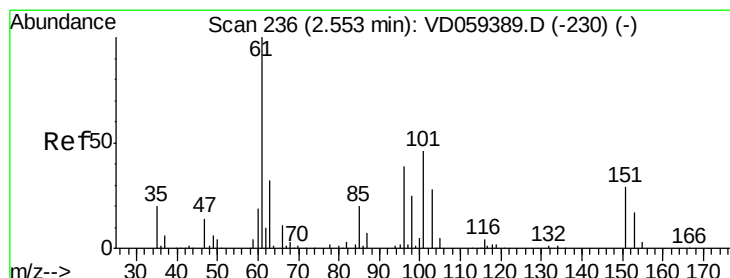
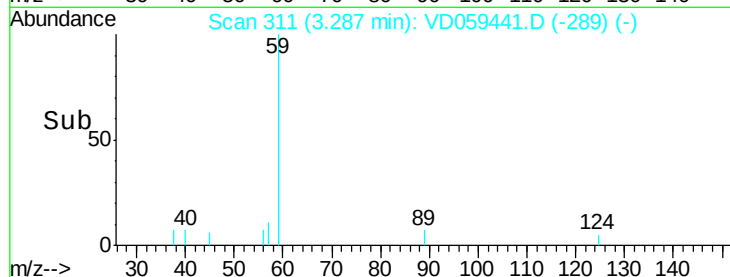
Tot Ion	59	Resp	28618
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

Manual Integrations
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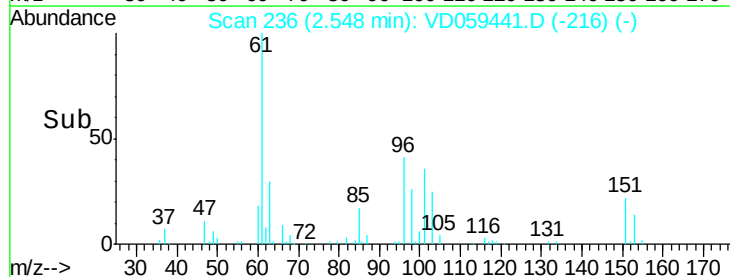
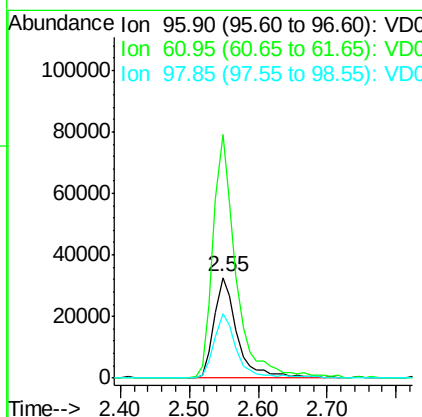
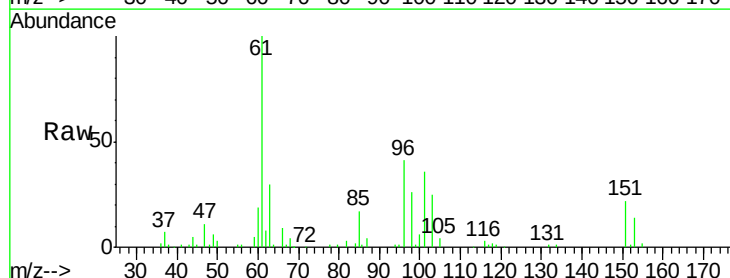
6/28/2018 1:15:37 PM

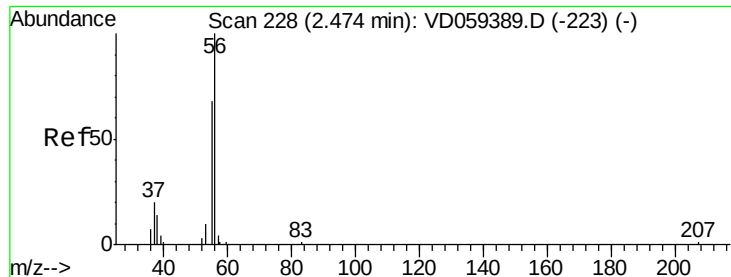


#12

1,1-Dichloroethene
Concen: 23.42 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	96	Resp	77137
Ion Ratio	100	Lower	Upper
61	241.7	205.4	308.0
98	63.9	51.0	76.4





#13

Acrolein

Concen: 107.10 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBSD01

Tot Ion: 56 Resp: 33855

Ion Ratio Lower Upper

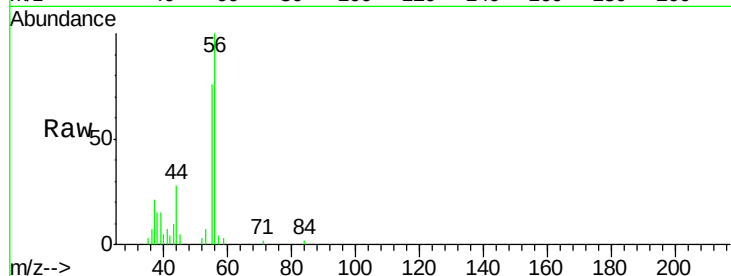
56 100

55 75.8 54.6 82.0

Manual Integrations

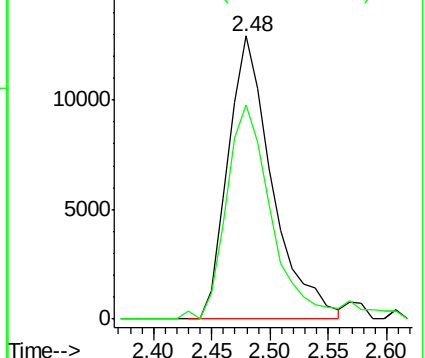
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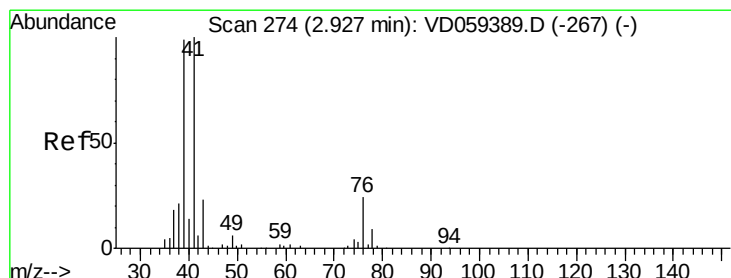
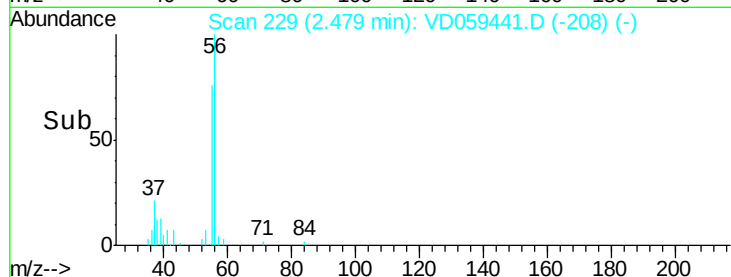


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



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#14

Allyl chloride

Concen: 21.23 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

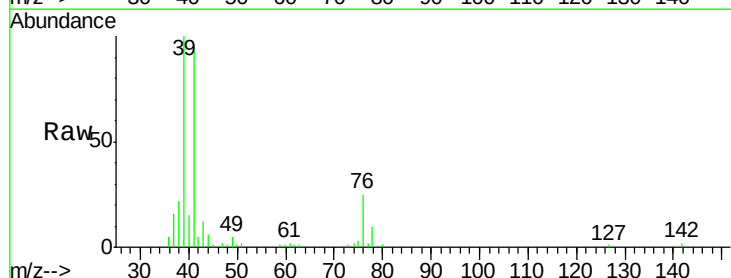
Tgt Ion: 41 Resp: 160015

Ion Ratio Lower Upper

41 100

39 108.1 79.1 118.7

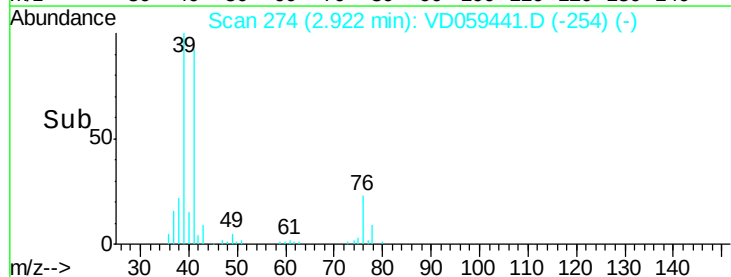
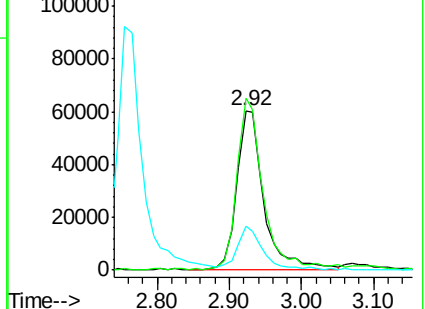
76 27.2 21.9 32.9

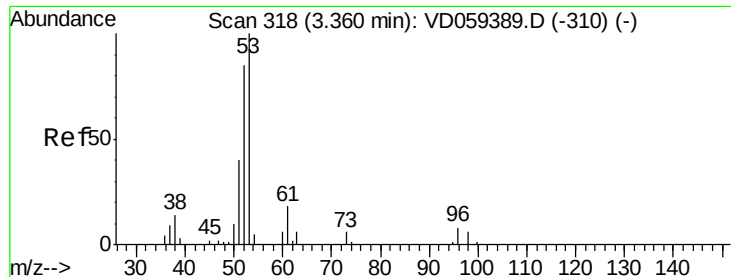


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.87 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

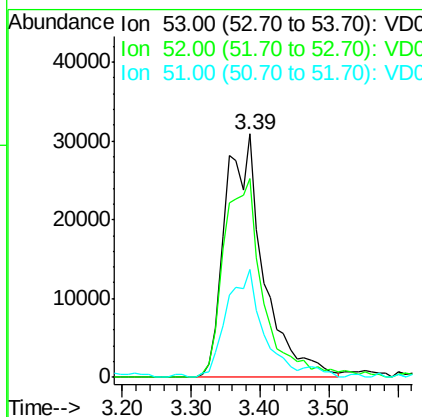
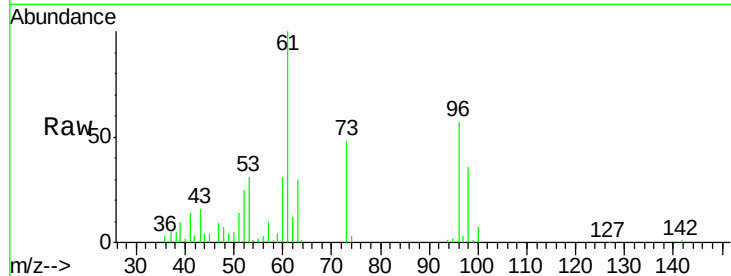
ClientSampleId :

VD0627SBS01

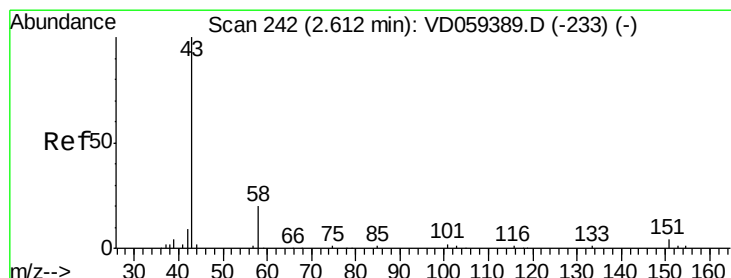
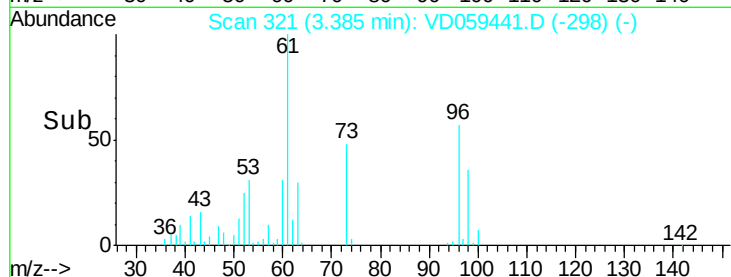
Tot Ion:	53	Resp:	120320
Ion Ratio	Lower	Upper	
53	100		
52	81.6	67.9	101.9
51	44.3	32.2	48.4

Manual Integrations
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#16

Acetone

Concen: 110.82 ug/l

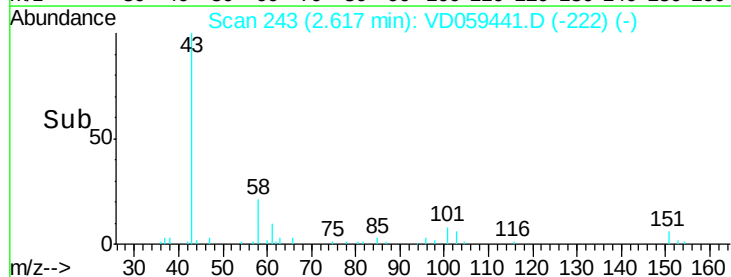
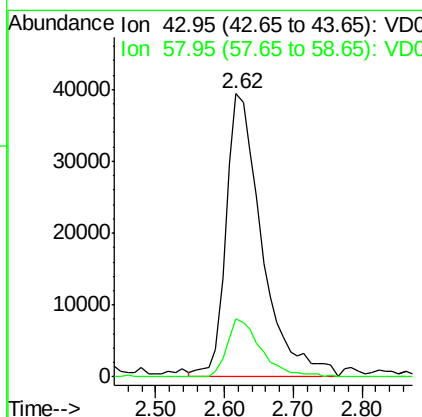
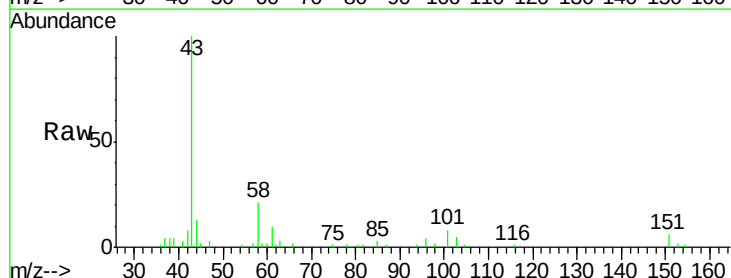
RT: 2.62 min Scan# 243

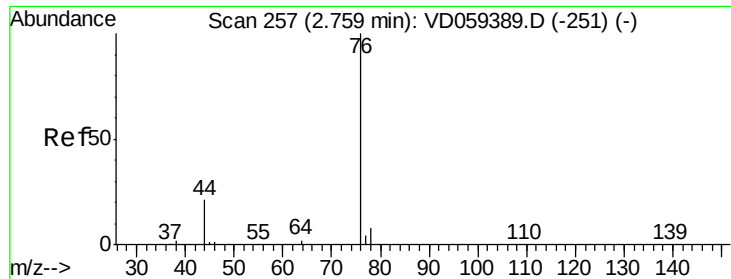
Delta R.T. 0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion:	43	Resp:	142958
Ion Ratio	Lower	Upper	
43	100		
58	20.5	16.8	25.2





#17

Carbon Disulfide

Concen: 21.87 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 76 Resp: 220625

Ion Ratio Lower Upper

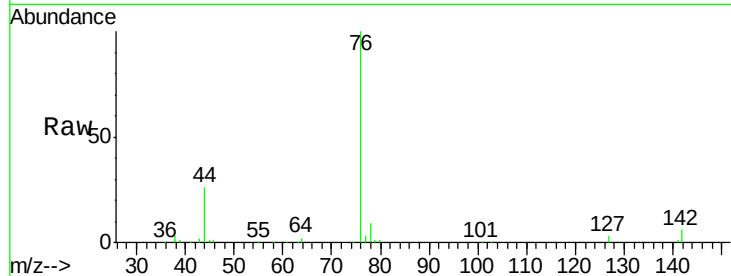
76 100

78 8.8 6.6 9.8

Manual Integrations

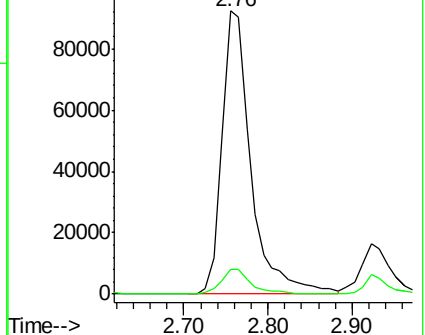
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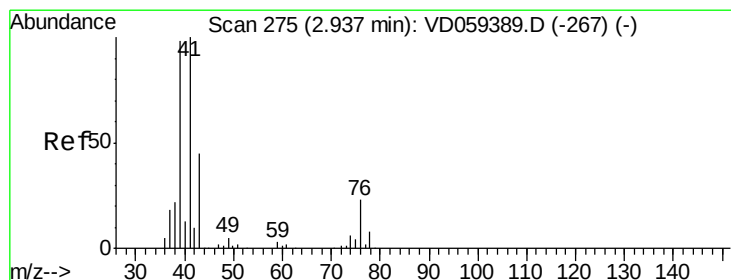
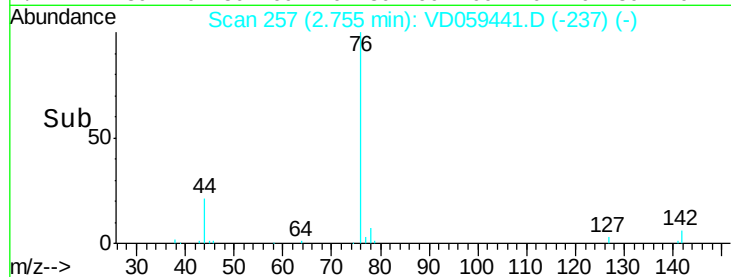


Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



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#18

Methyl Acetate

Concen: 17.21 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD059441.D

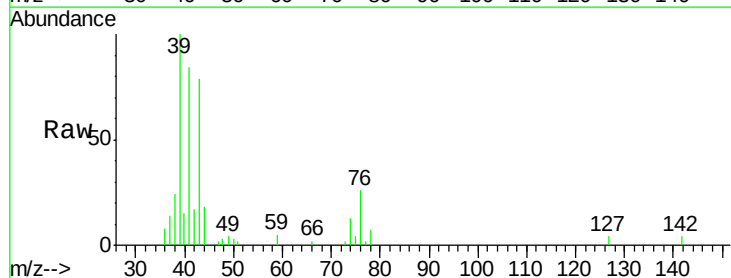
Acq: 27 Jun 2018 13:37

Tgt Ion: 43 Resp: 52666

Ion Ratio Lower Upper

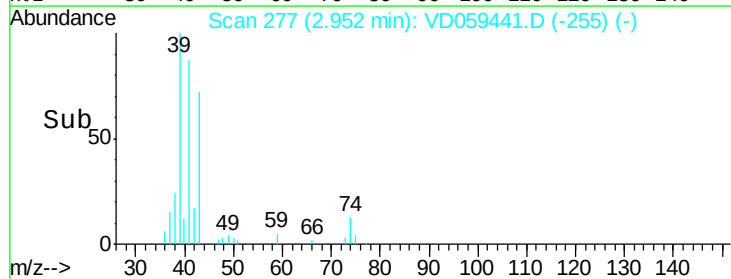
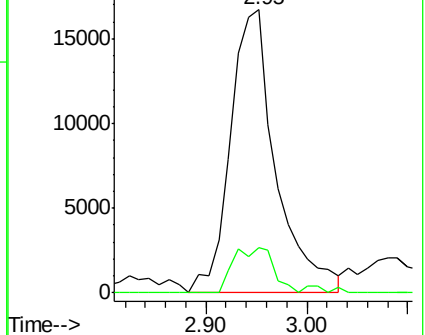
43 100

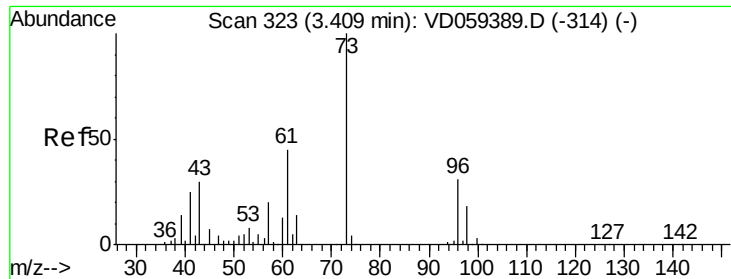
74 16.0 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





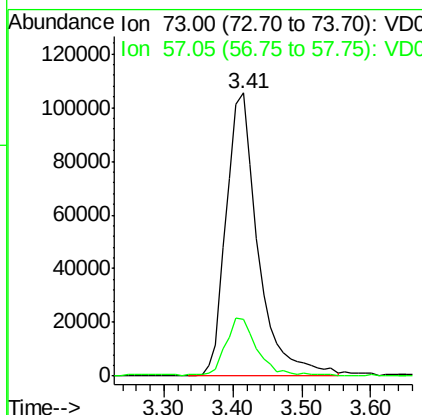
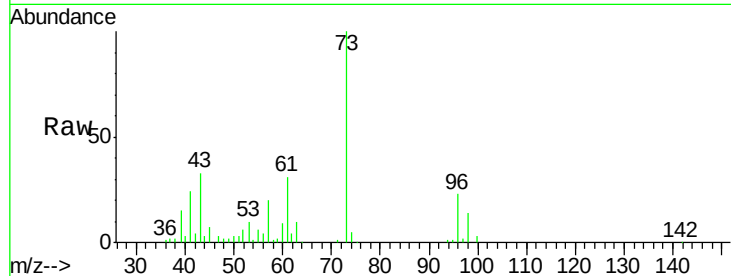
#19
Methyl tert-butyl Ether
Concen: 20.94 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

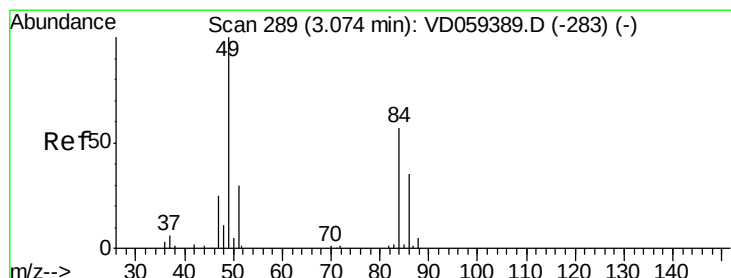
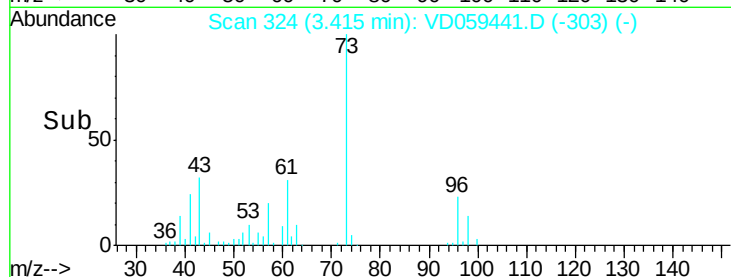
Tot Ion: 73 Resp: 339432
Ion Ratio Lower Upper
73 100
57 19.9 16.1 24.1

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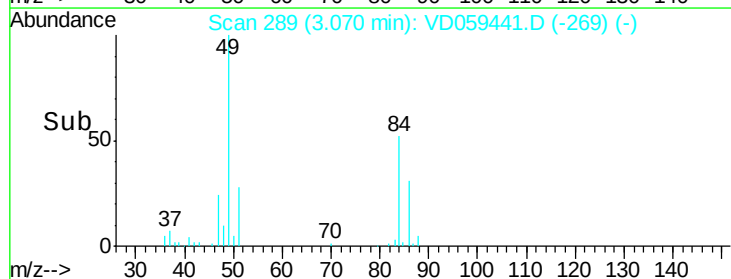
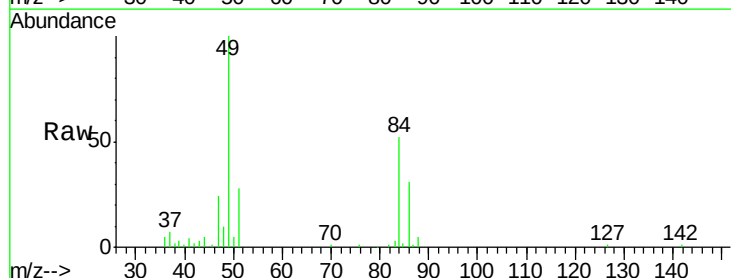
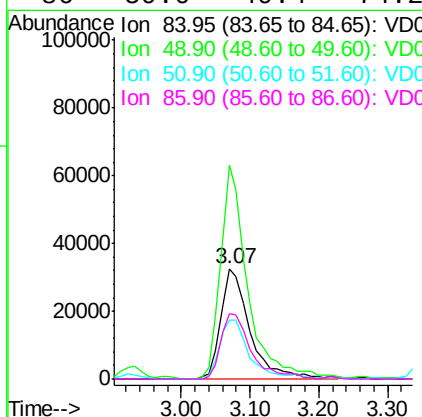


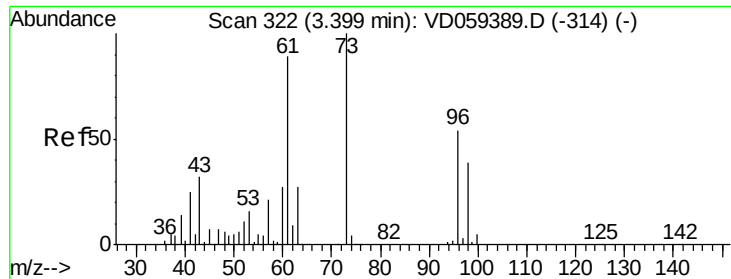
6/28/2018 1:15:37 PM



#20
Methylene Chloride
Concen: 25.44 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 84 Resp: 95386
Ion Ratio Lower Upper
84 100
49 193.4 140.3 210.5
51 53.2 41.6 62.4
86 59.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 26.04 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

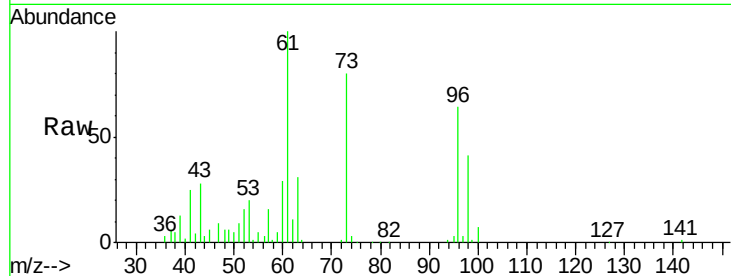
ClientSampleId :

VD0627SBSD01

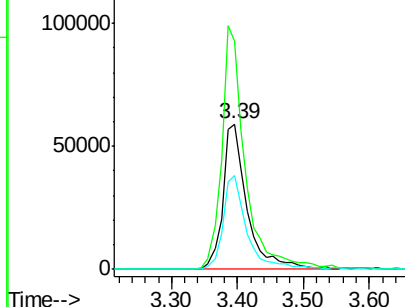
Tot Ion:	96	Resp:	151616
Ion	Ratio	Lower	Upper
96	100		
61	157.1	131.0	196.4
98	64.7	56.8	85.2

Manual Integrations
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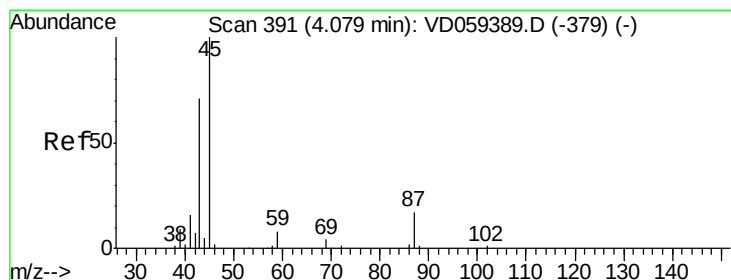
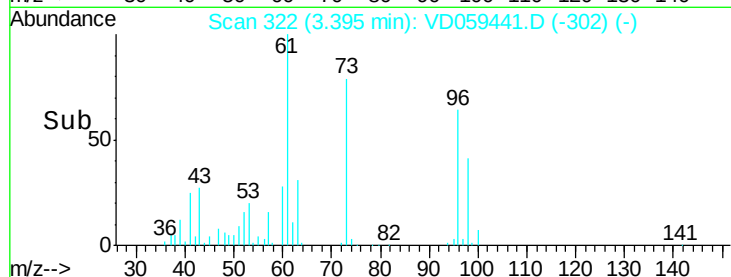
apatel



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



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#22

Diisopropyl ether

Concen: 21.52 ug/l

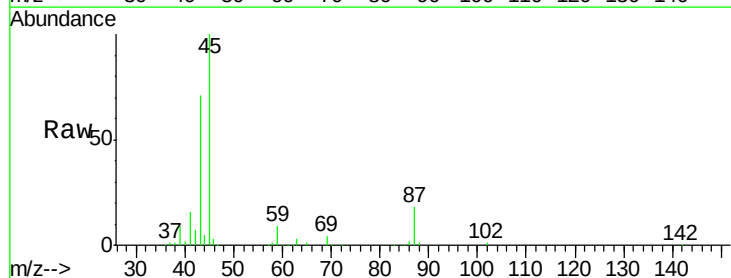
RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

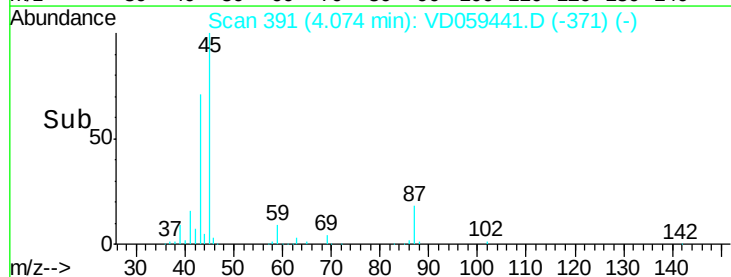
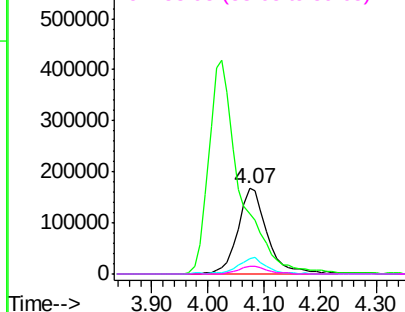
Lab File: VD059441.D

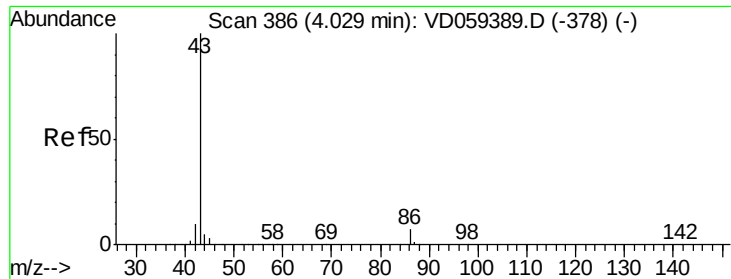
Acq: 27 Jun 2018 13:37

Tgt Ion:	45	Resp:	610288
Ion	Ratio	Lower	Upper
45	100		
43	70.8	56.9	85.3
87	17.8	14.2	21.4
59	9.3	7.0	10.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.74 ug/l

RT: 4.03 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 43 Resp: 1621618

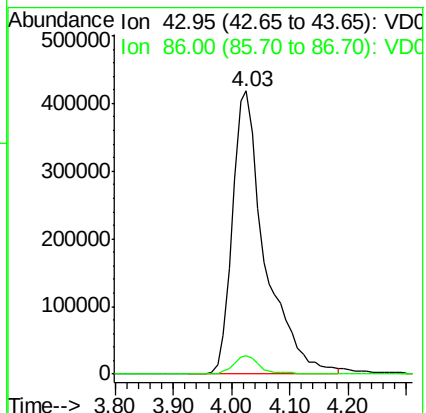
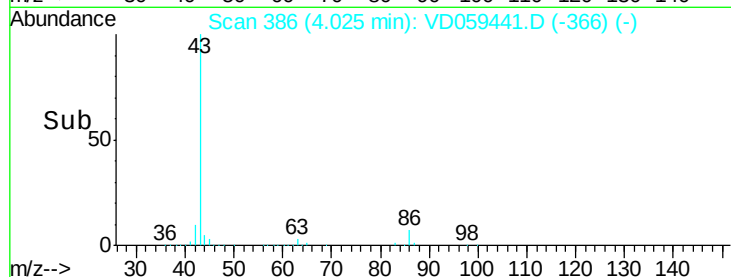
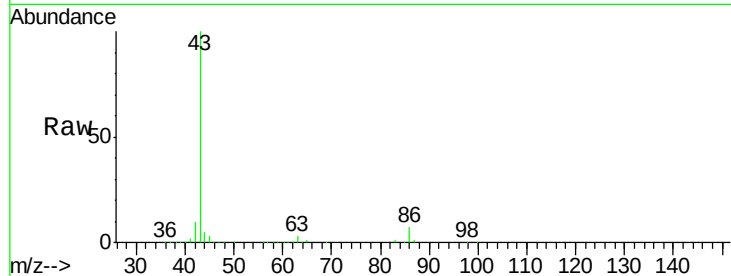
Ion Ratio Lower Upper

43 100

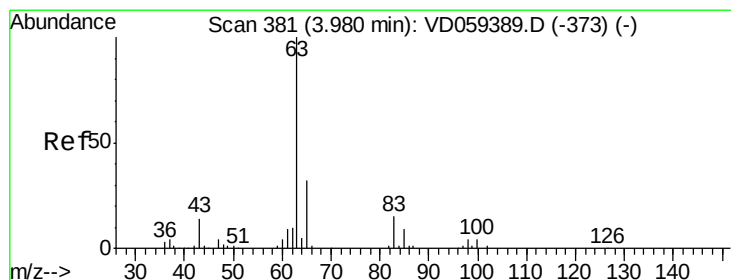
86 6.6 5.2 7.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.07 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

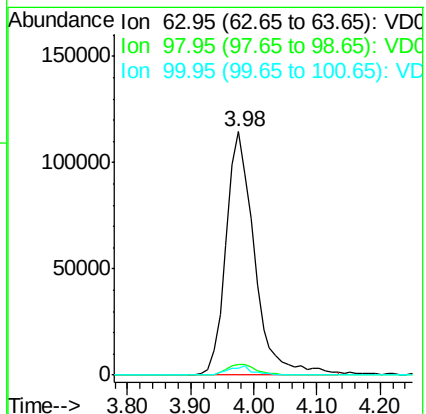
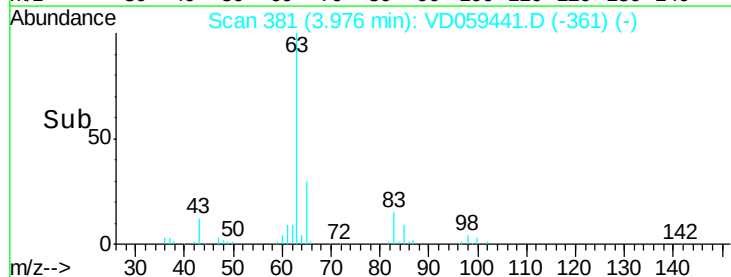
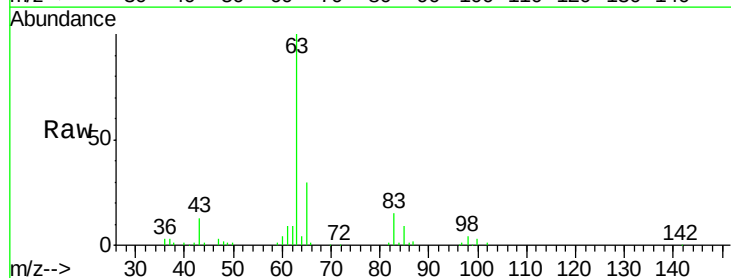
Tgt Ion: 63 Resp: 358199

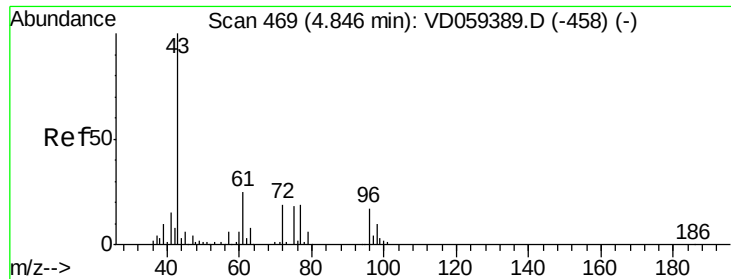
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 3.0 1.8 5.5





#25

2-Butanone

Concen: 100.54 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tot Ion: 43 Resp: 271671

Ion Ratio Lower Upper

43 100

72 19.4 15.4 23.2

Instrument :

MSVOA_D

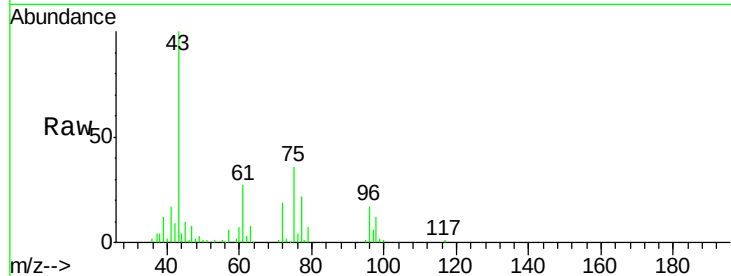
ClientSampleId :

VD0627SBS01

Manual Integrations

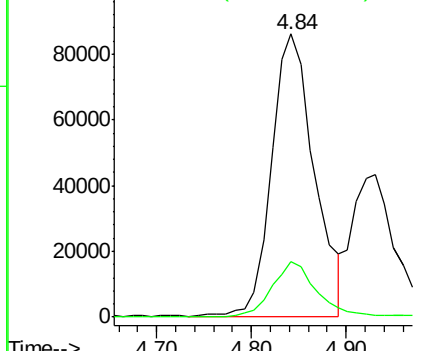
APPROVED

apatel

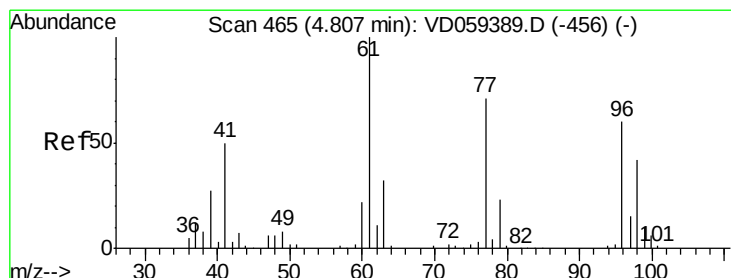
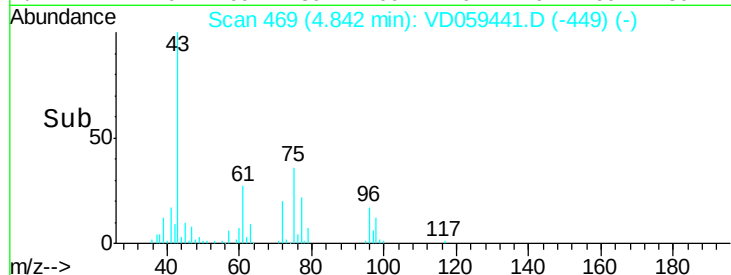


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



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#26

2,2-Dichloropropane

Concen: 24.43 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059441.D

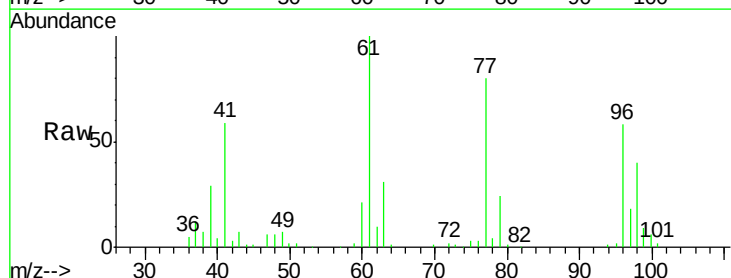
Acq: 27 Jun 2018 13:37

Tgt Ion: 77 Resp: 307524

Ion Ratio Lower Upper

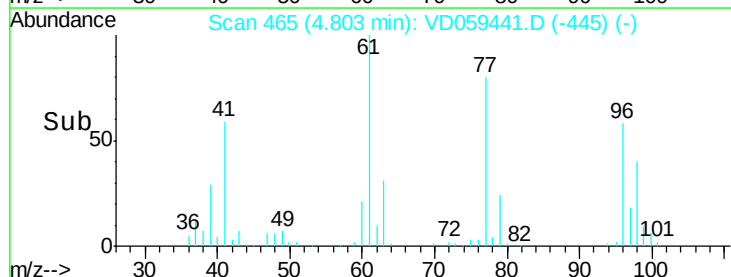
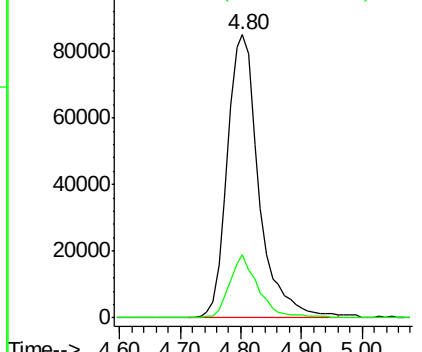
77 100

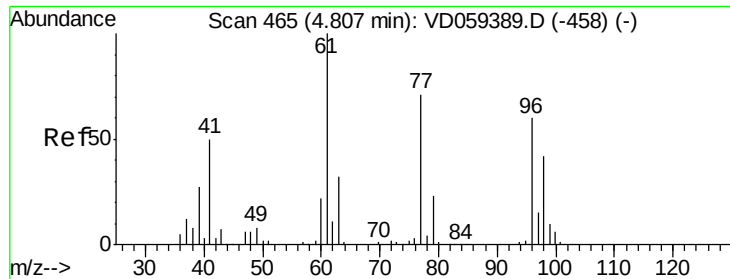
97 22.2 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

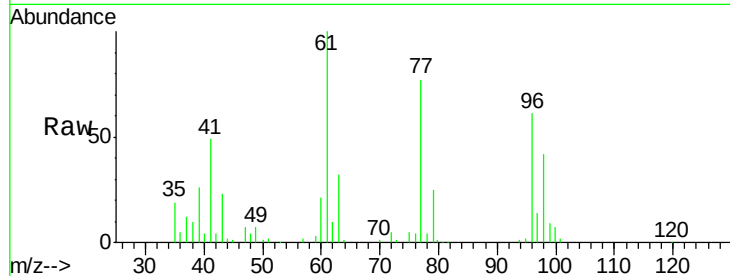
cis-1,2-Dichloroethene
Concen: 19.67 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

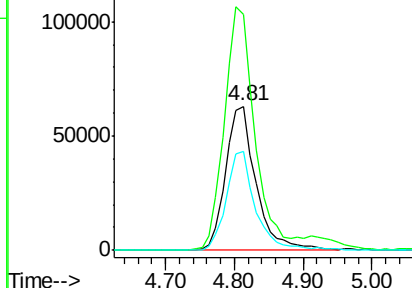
Tot Ion	Ratio	Resp	Lower	Upper
96	100	192505		
61	163.9	0.0	335.8	
98	69.0	0.0	141.0	

Manual Integrations
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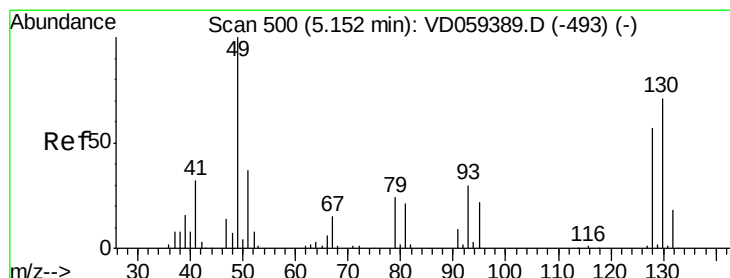
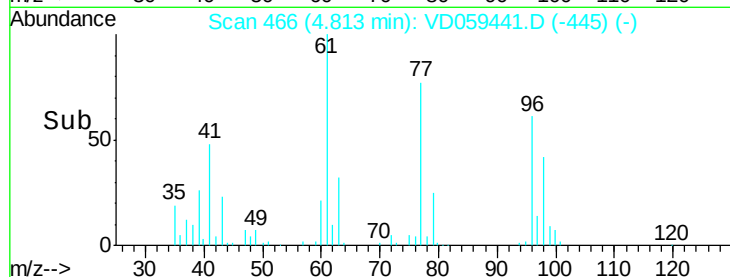
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



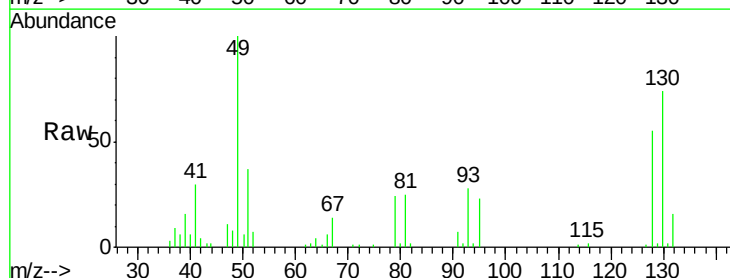
6/28/2018 1:15:37 PM



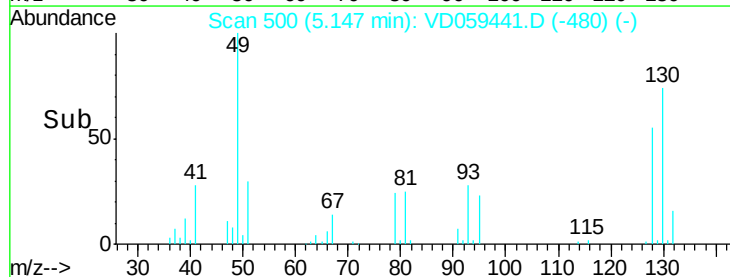
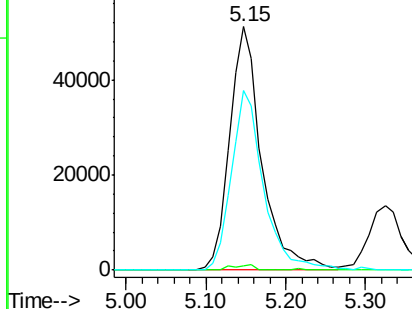
#28

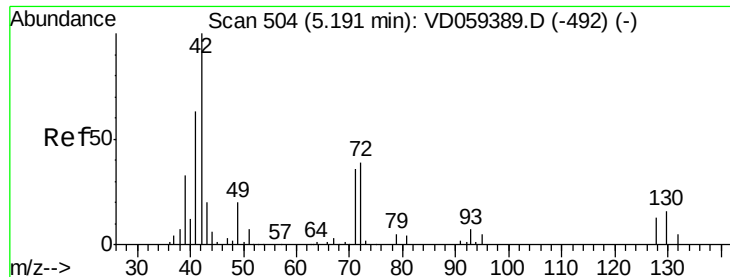
Bromochloromethane
Concen: 20.41 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143586		
129	1.9	0.0	4.4	
130	74.0	57.0	85.6	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





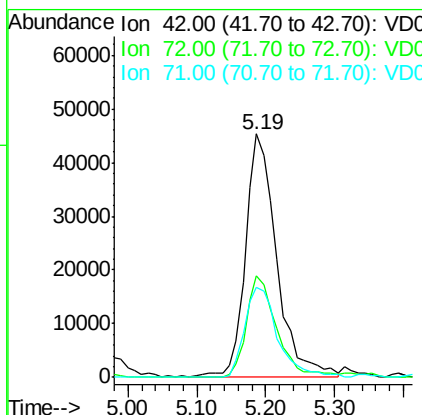
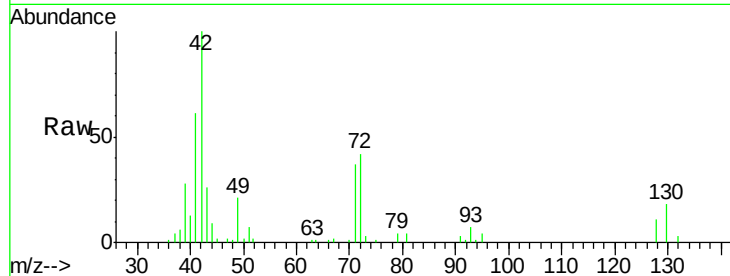
#29
Tetrahydrofuran
Concen: 97.15 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

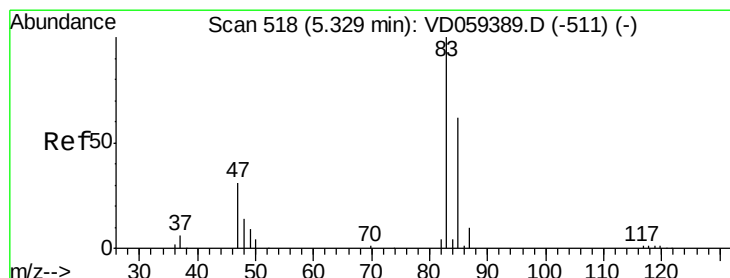
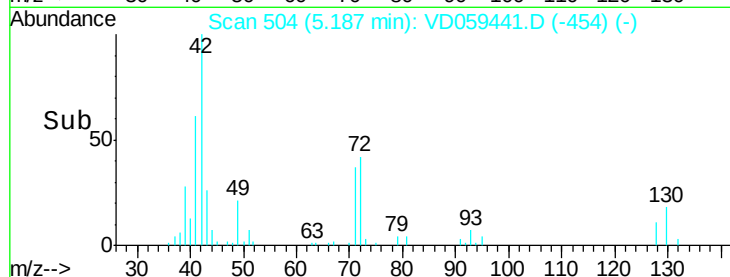
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.4	47.2
71	39.1	29.7	44.5

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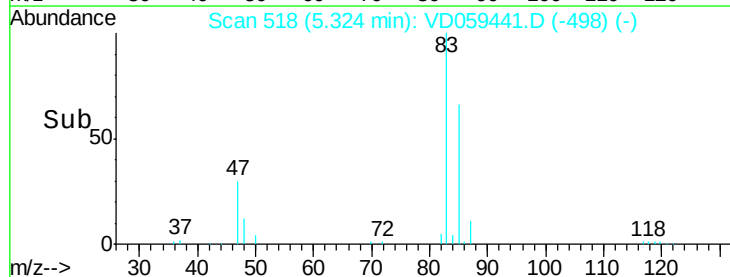
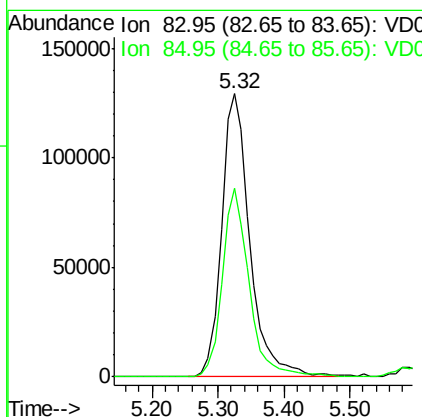
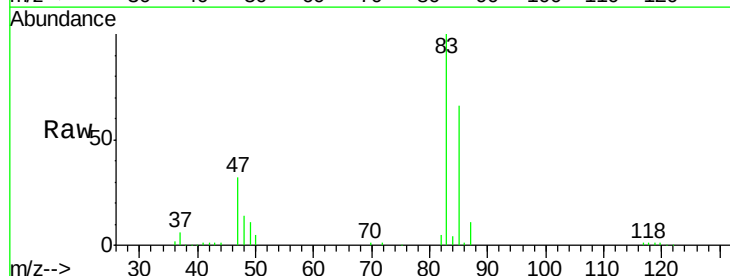


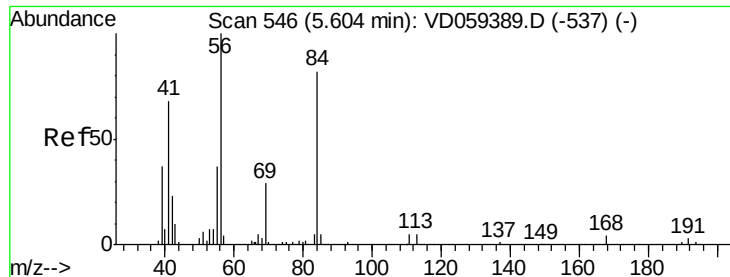
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#30
Chloroform
Concen: 21.82 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.3	73.9





#31

Cyclohexane

Concen: 22.68 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

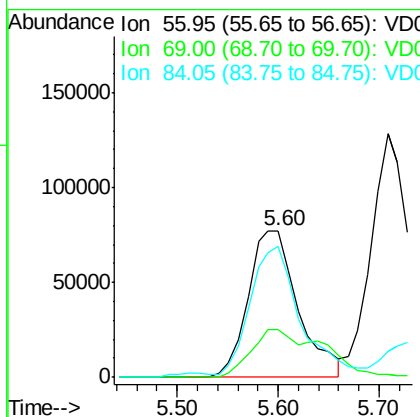
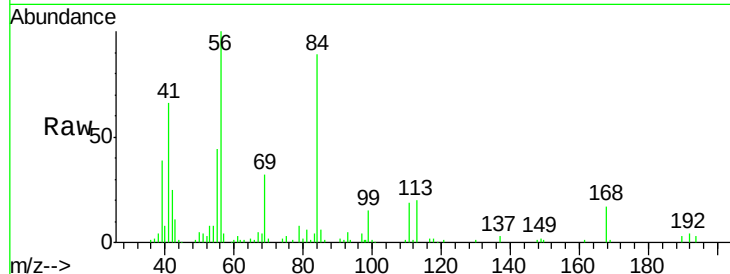
ClientSampleId :

VD0627SBSD01

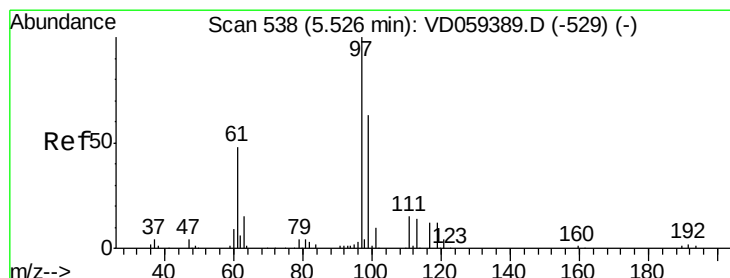
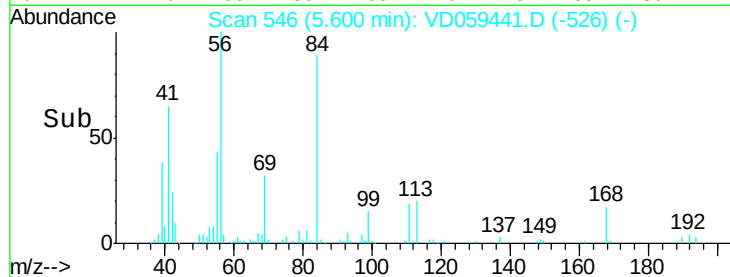
Tot Ion:	56	Resp:	265688
Ion	Ratio	Lower	Upper
56	100		
69	32.1	22.9	34.3
84	88.9	67.3	100.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.36 ug/l

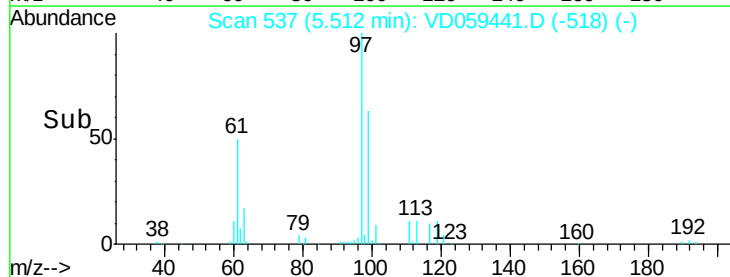
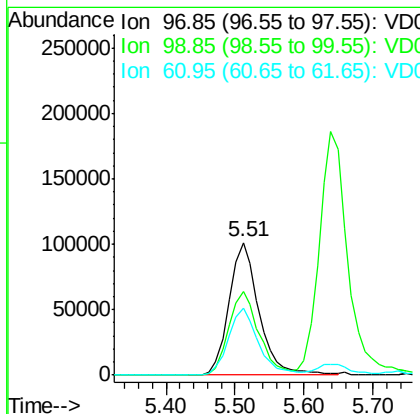
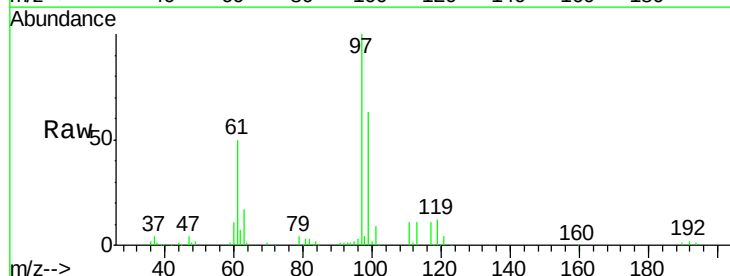
RT: 5.51 min Scan# 537

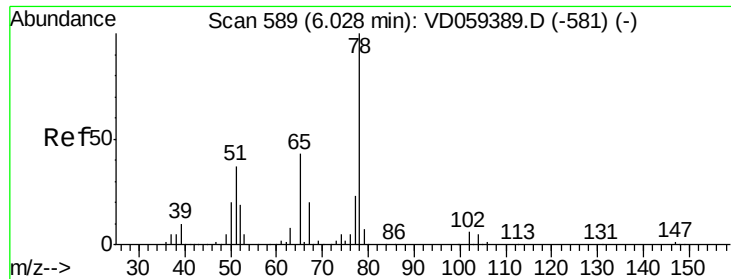
Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion:	97	Resp:	305987
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.2	75.4
61	50.3	38.6	57.8





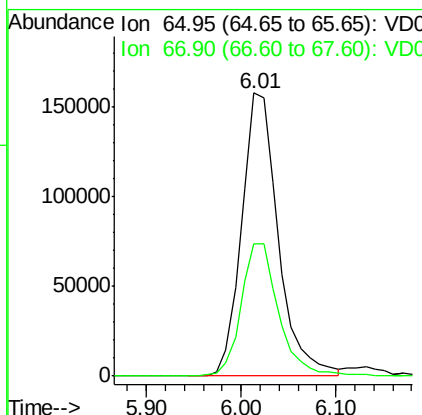
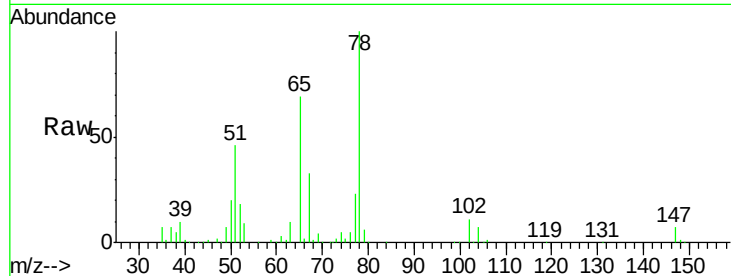
#33
 1,2-Dichloroethane-d4
 Concen: 21.36 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

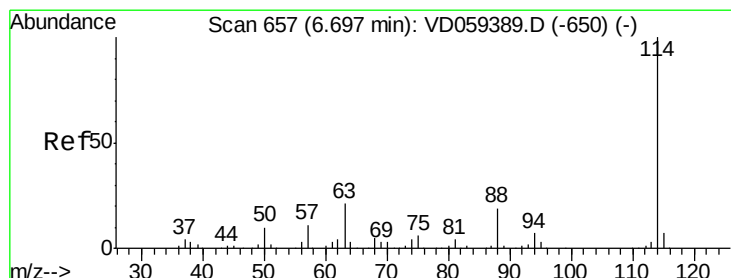
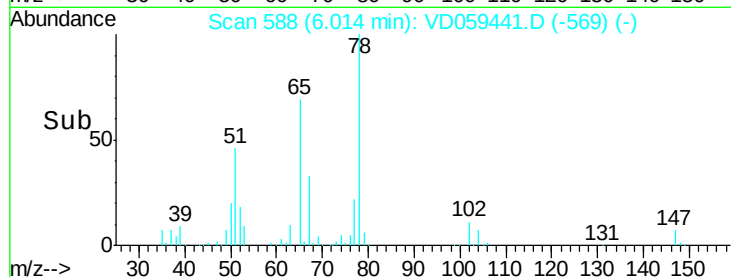
Tot Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	93.8

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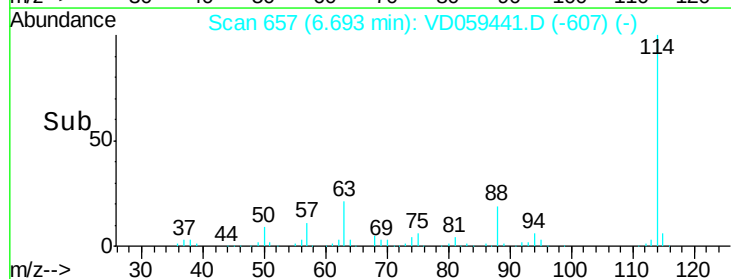
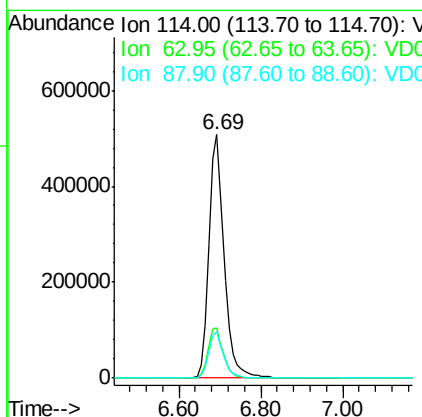
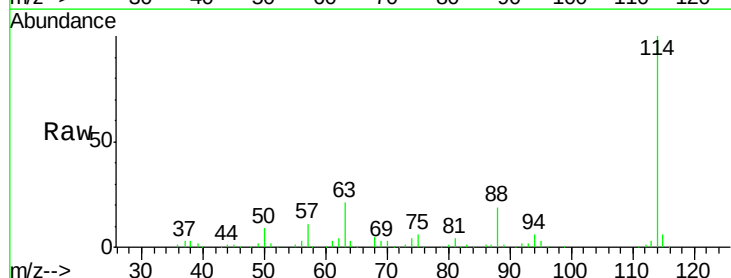


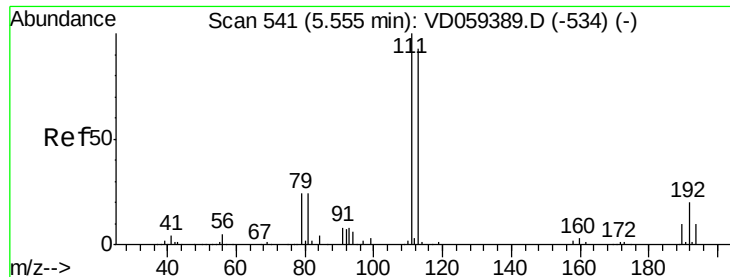
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	19.3	0.0	38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

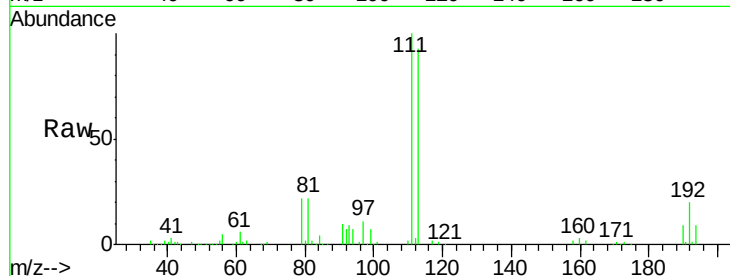
ClientSampleId :

VD0627SBSD01

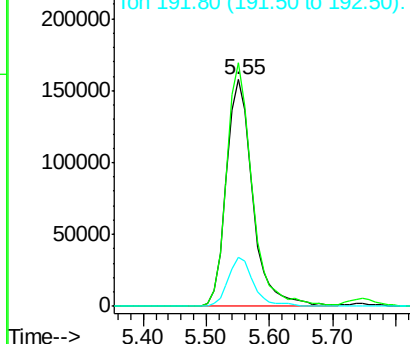
Tot Ion:	113	Resp:	457627
Ion	Ratio	Lower	Upper
113	100		
111	107.3	85.7	128.5
192	21.7	16.9	25.3

Manual Integrations
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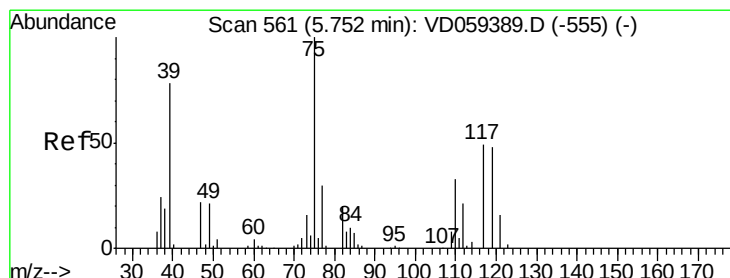
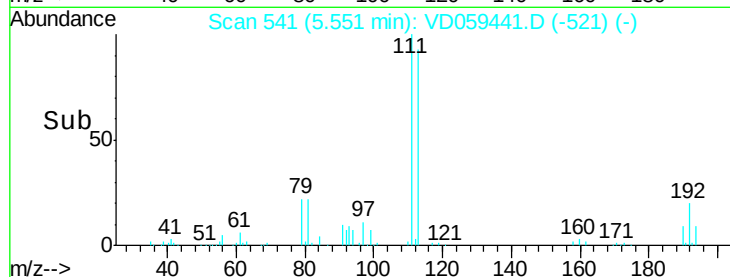
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



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#36

1,1-Dichloropropene

Concen: 21.76 ug/l

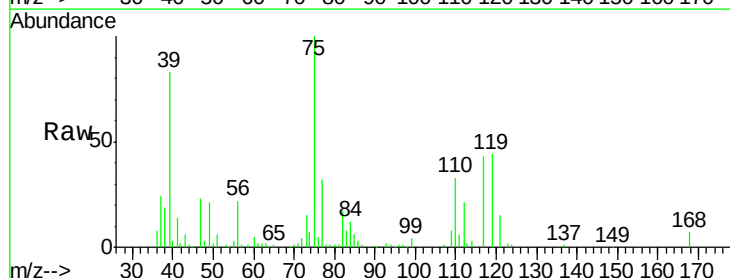
RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

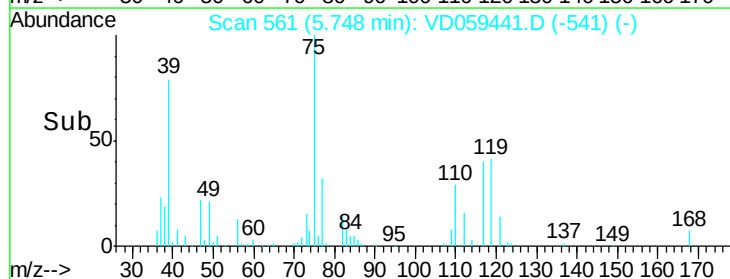
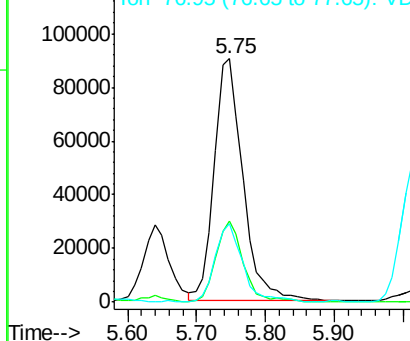
Lab File: VD059441.D

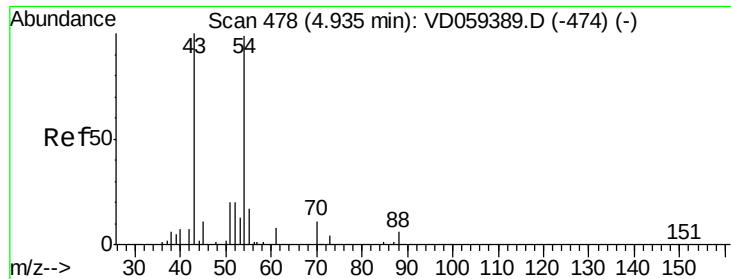
Acq: 27 Jun 2018 13:37

Tgt Ion:	75	Resp:	260567
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.1	48.2
77	32.4	23.4	35.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





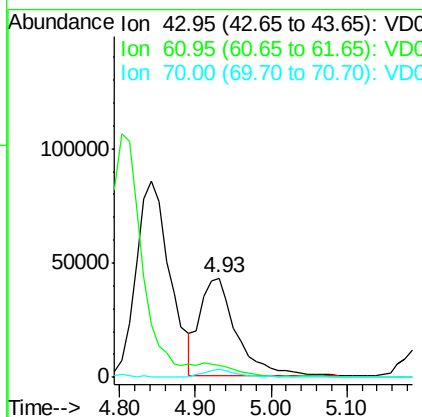
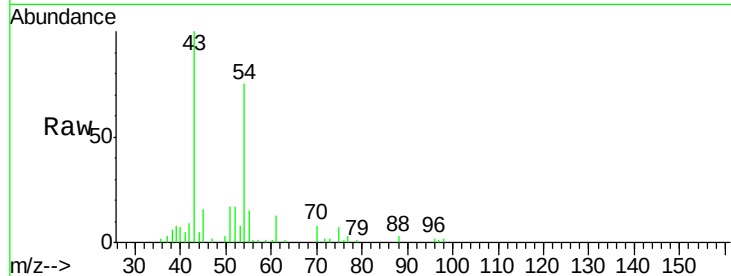
#37
Ethyl Acetate
Concen: 19.58 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

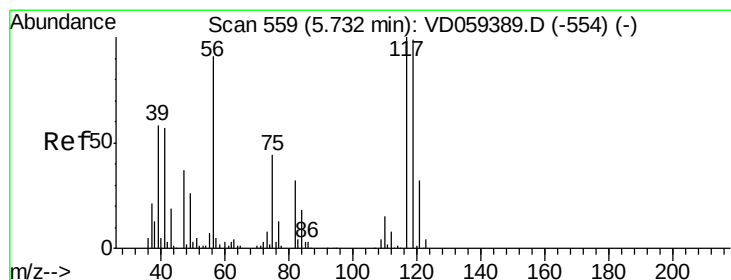
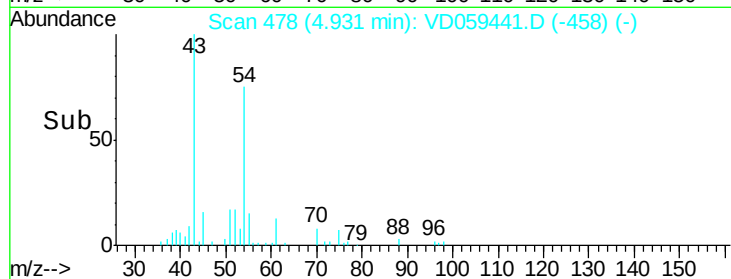
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.8	17.8
70	8.5	6.1	9.1

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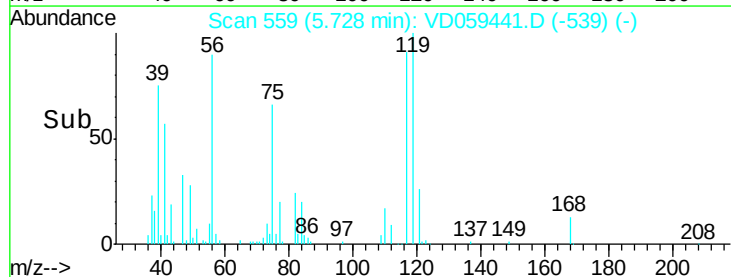
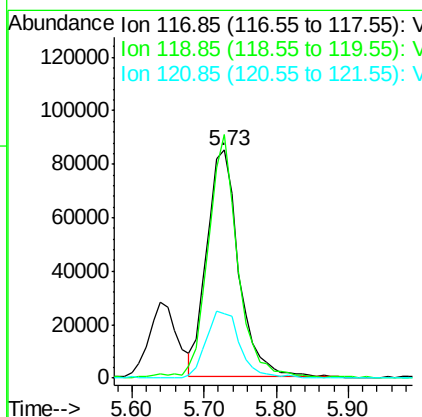
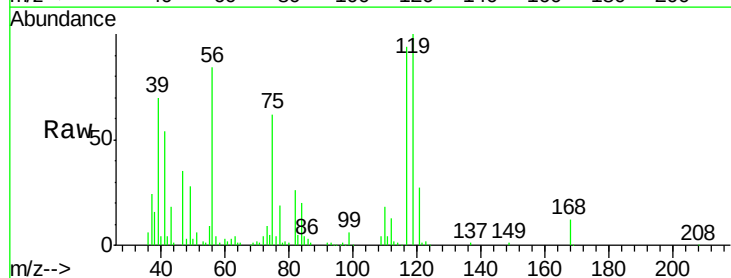


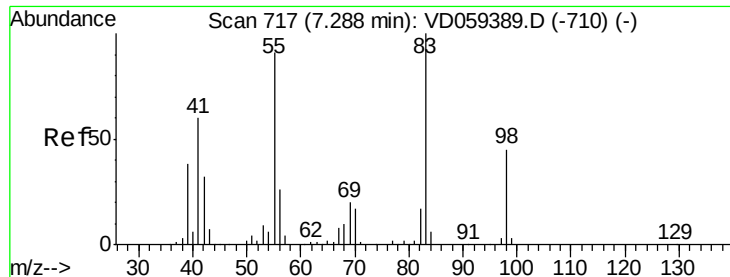
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#38
Carbon Tetrachloride
Concen: 21.06 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.8	76.6	115.0
121	28.4	25.0	37.4





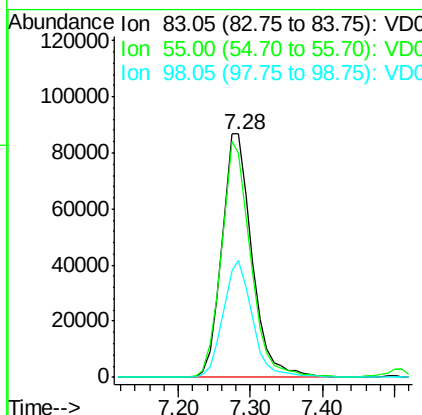
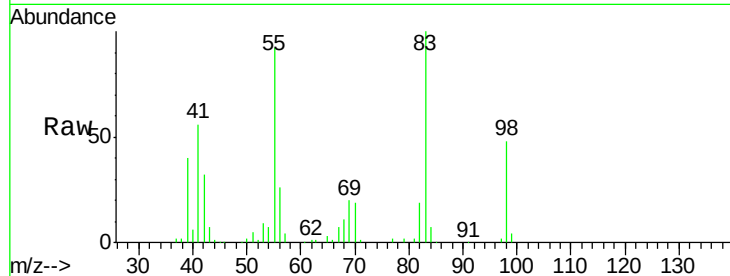
#39
Methylvlcyclohexane
Concen: 22.08 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

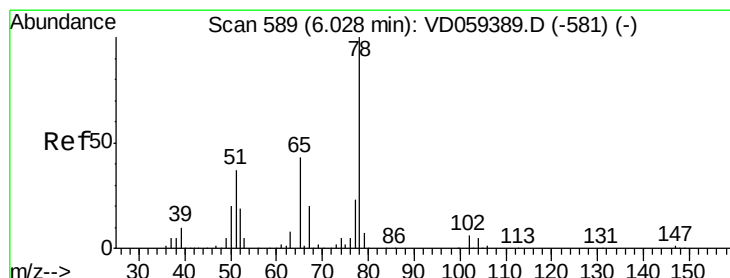
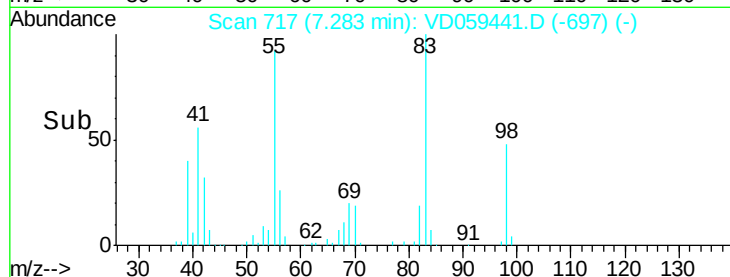
Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	72.6	109.0
98	47.8	35.8	53.6

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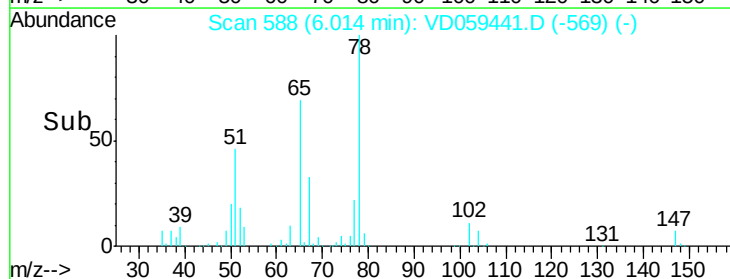
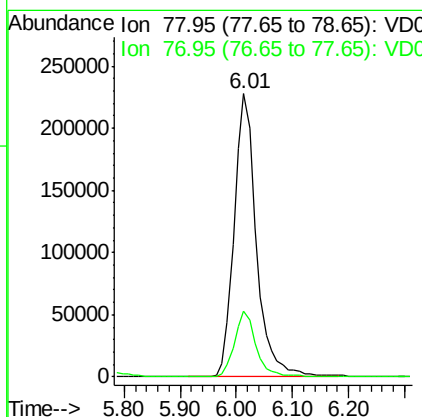
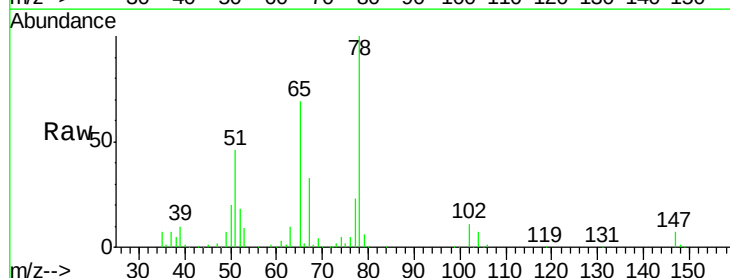


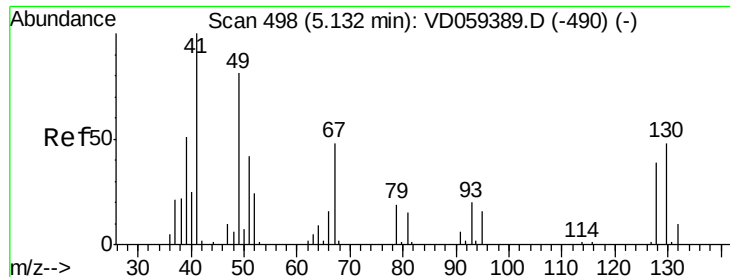
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#40
Benzene
Concen: 21.84 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.1	27.1





#41

Methacrylonitrile

Concen: 18.21 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

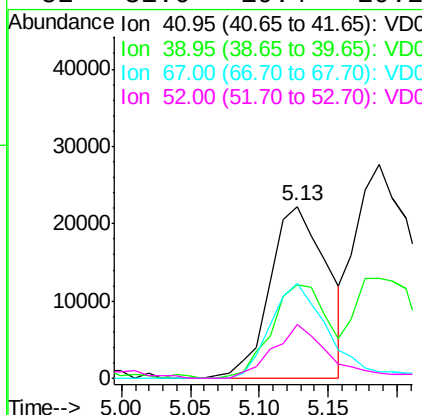
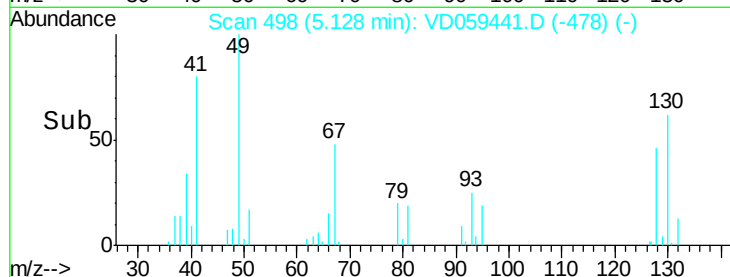
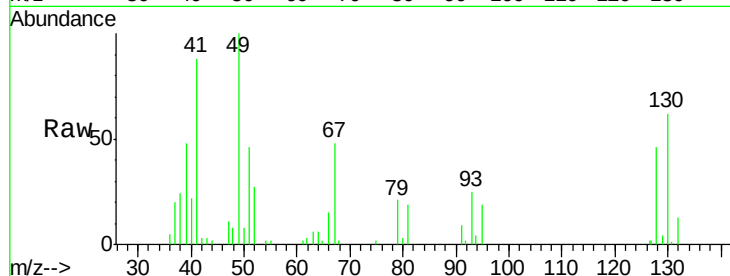
VD0627SBSD01

Tot Ion: 41 Resp: 63959

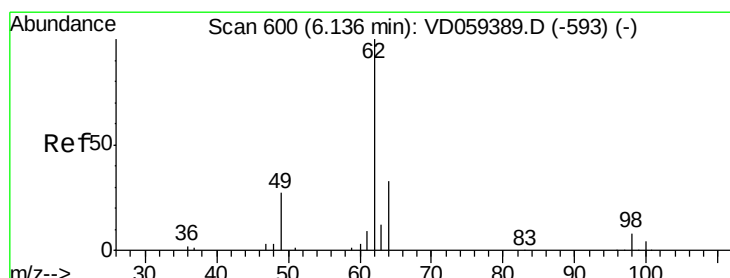
Ion	Ratio	Lower	Upper
41	100		
39	54.0	41.5	62.3
67	54.8	38.7	58.1
52	31.0	19.4	29.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.39 ug/l

RT: 6.13 min Scan# 600

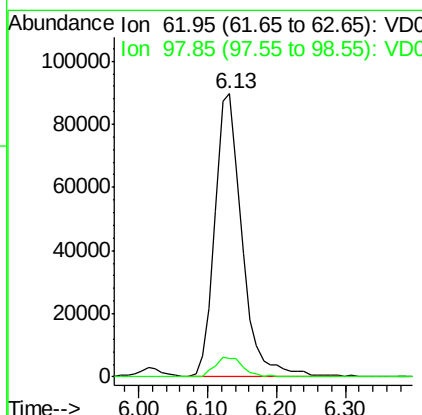
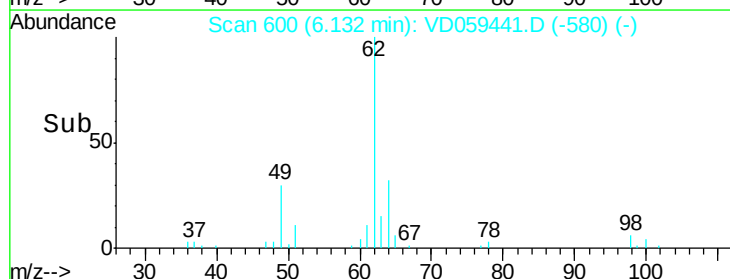
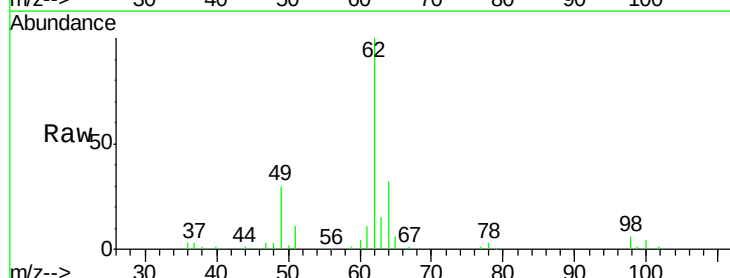
Delta R.T. -0.00 min

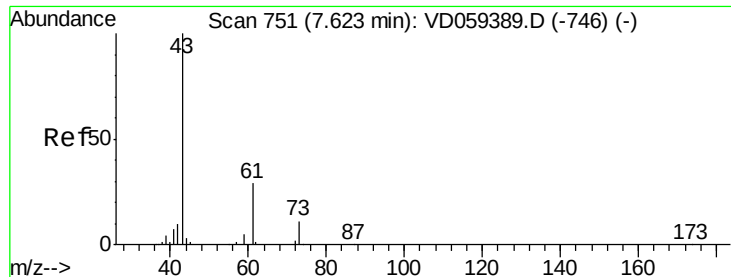
Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion: 62 Resp: 246234

Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 18.76 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

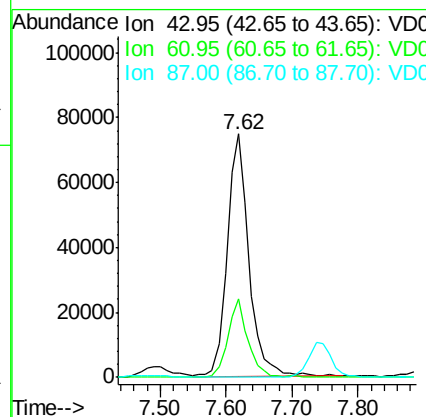
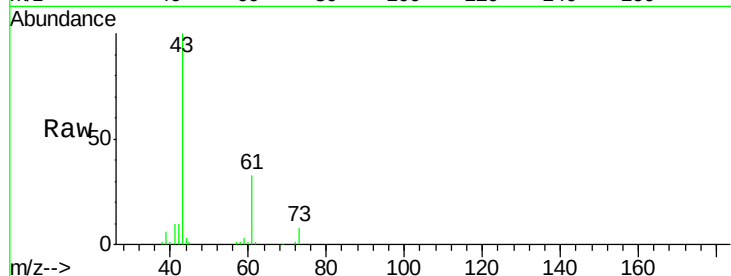
ClientSampleId :

VD0627SBSD01

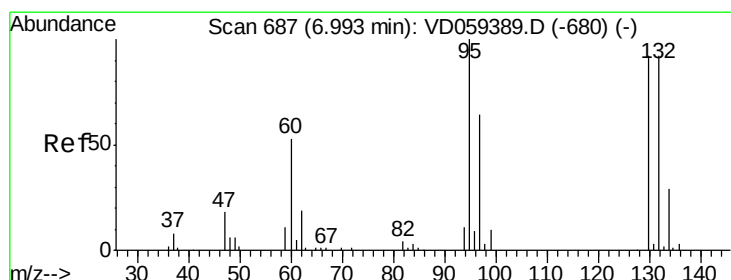
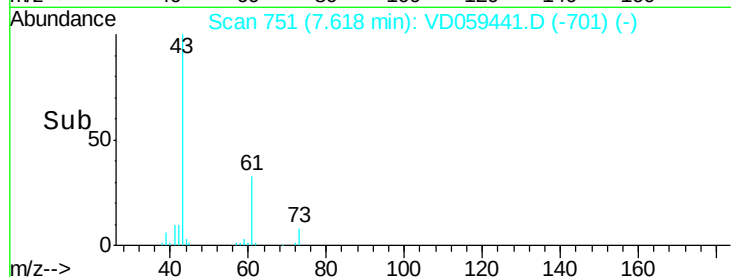
Tot Ion:	43	Resp:	171849
Ion	Ratio	Lower	Upper
43	100		
61	32.5	23.1	34.7
87	0.0	0.2	0.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.91 ug/l

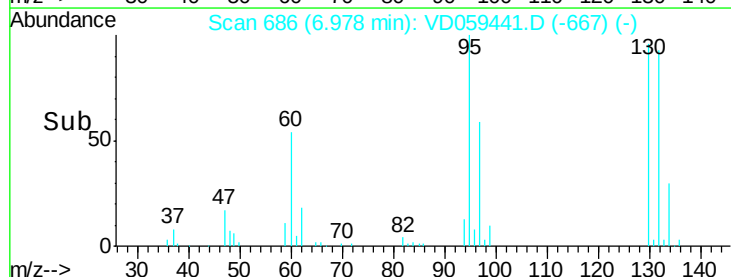
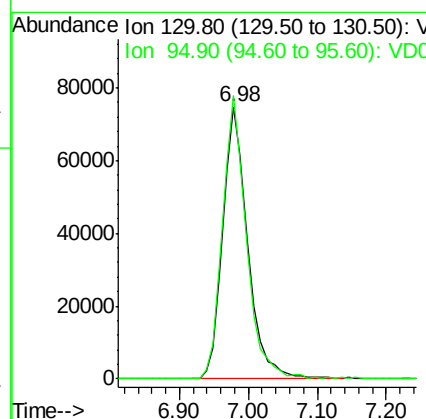
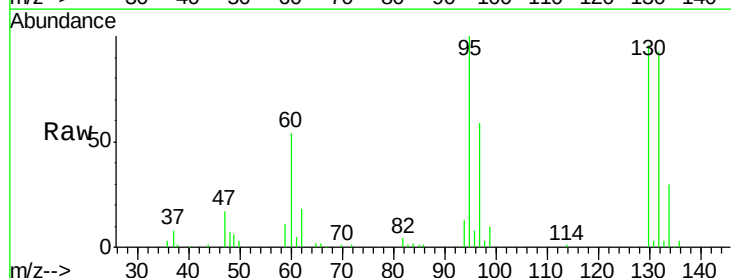
RT: 6.98 min Scan# 686

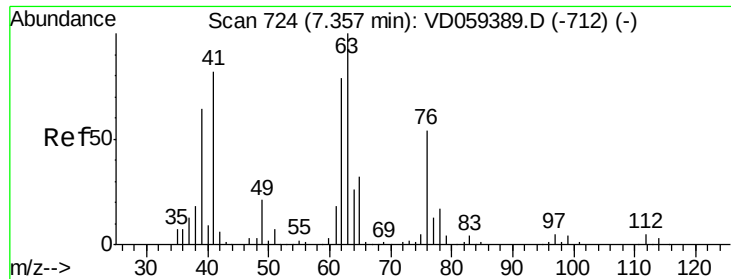
Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion:	130	Resp:	187338
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	216.4





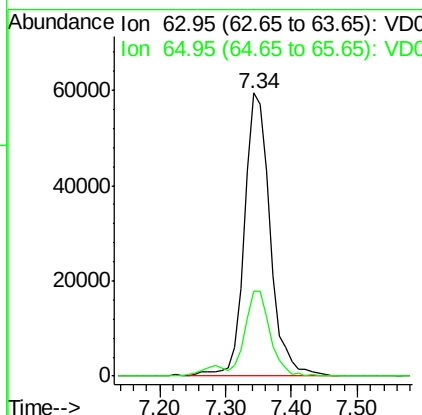
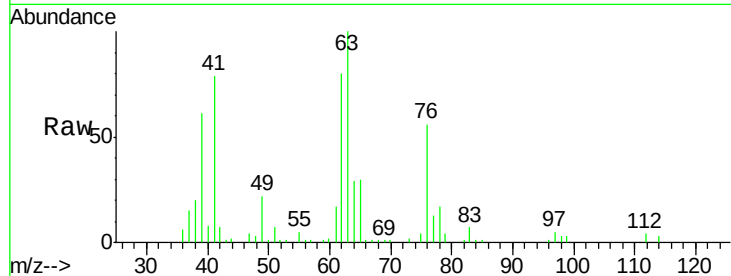
#45
 1,2-Dichloropropane
 Concen: 20.50 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

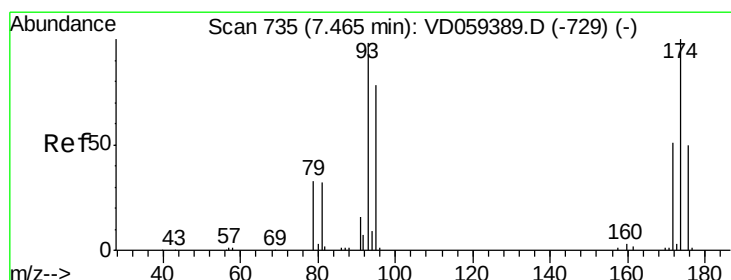
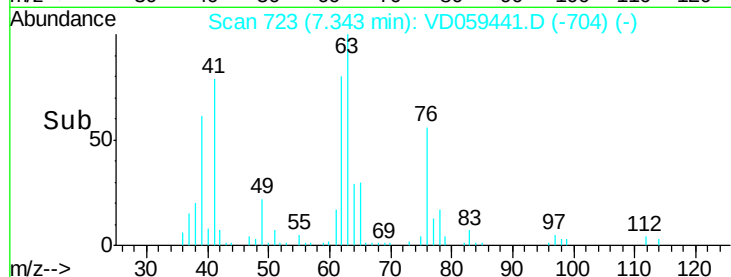
Tot Ion: 63 Resp: 163151
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.7 38.5

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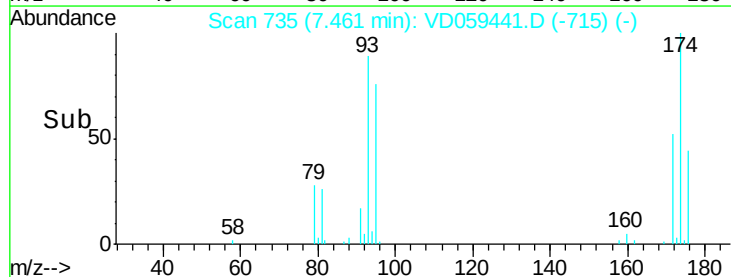
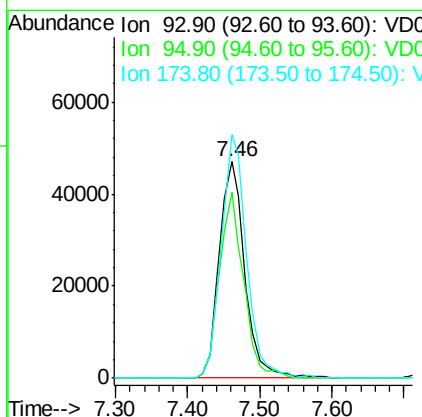
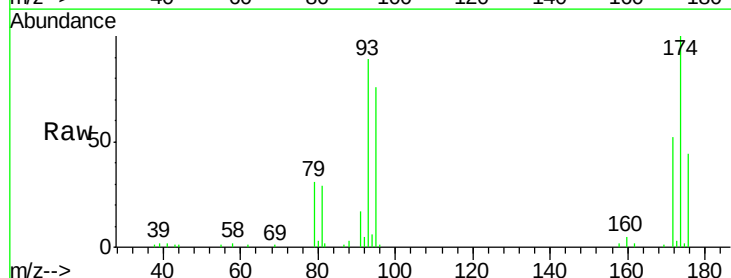


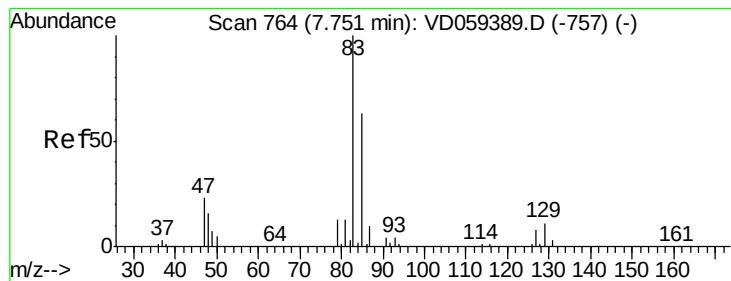
6/28/2018 1:15:37 PM



#46
 Dibromomethane
 Concen: 19.97 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 93 Resp: 114324
 Ion Ratio Lower Upper
 93 100
 95 86.0 63.4 95.0
 174 112.6 81.4 122.2





#47

Bromodichloromethane

Concen: 20.54 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

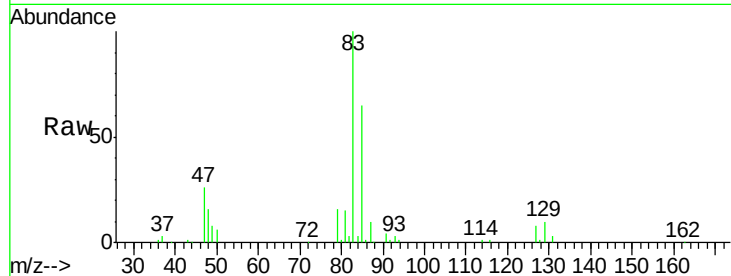
ClientSampleId :

VD0627SBSD01

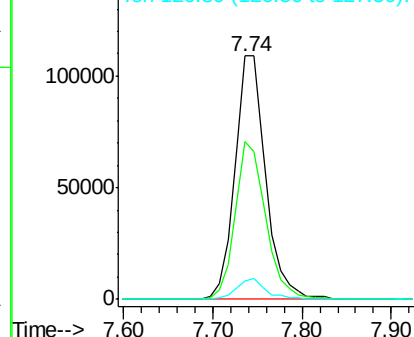
Tot Ion:	83	Resp:	263129
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.1	75.1
127	7.7	6.1	9.1

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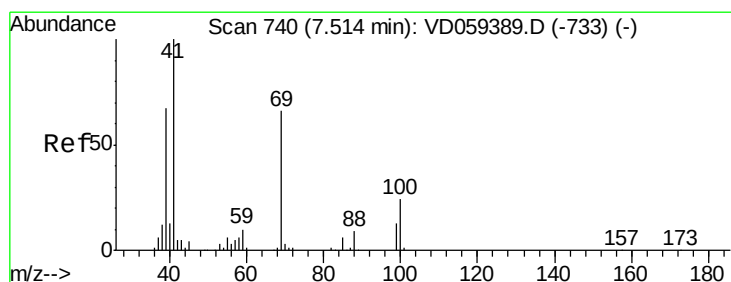
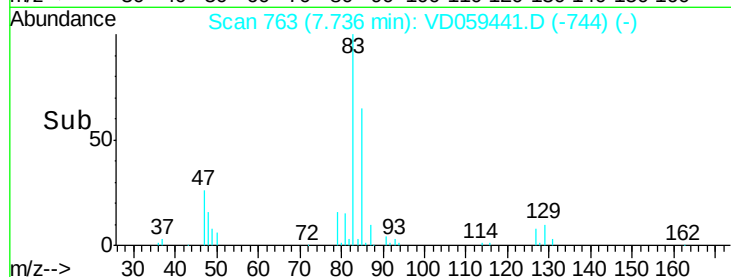
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



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#48

Methyl methacrylate

Concen: 17.94 ug/l

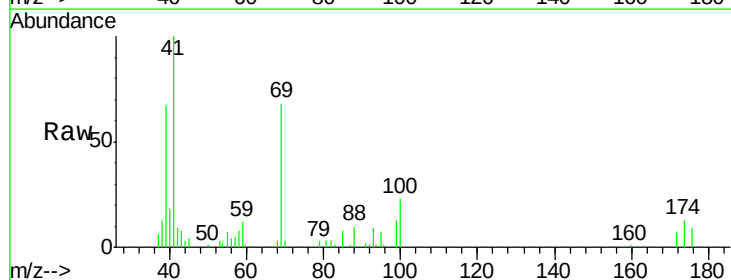
RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

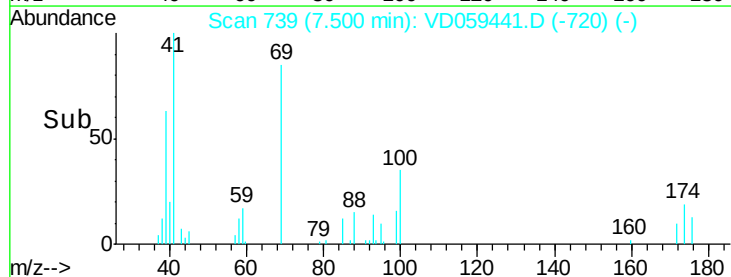
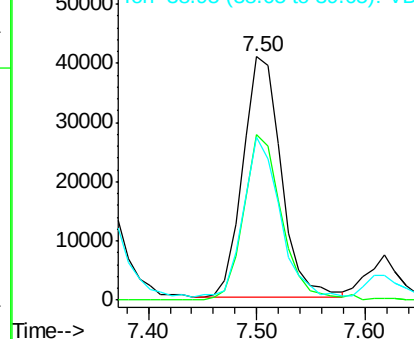
Lab File: VD059441.D

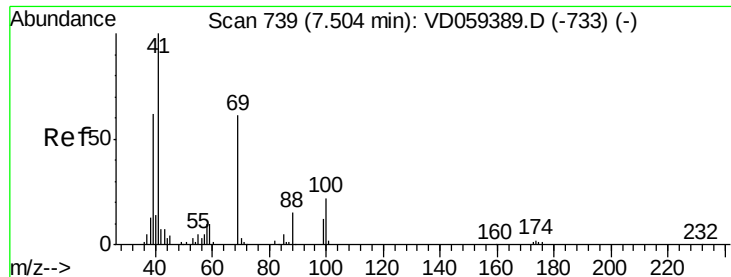
Acq: 27 Jun 2018 13:37

Tgt Ion:	41	Resp:	100096
Ion	Ratio	Lower	Upper
41	100		
69	67.9	52.6	79.0
39	66.8	53.6	80.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





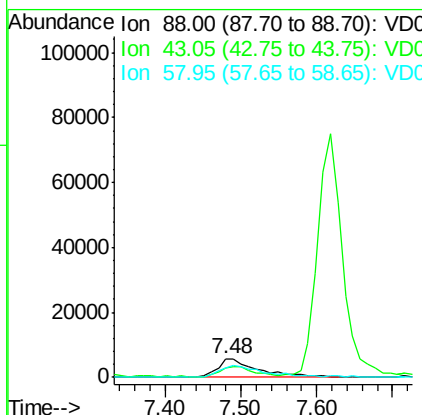
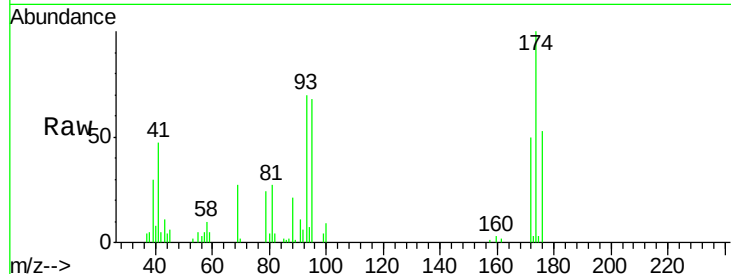
#49
1,4-Dioxane
Concen: 378.95 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

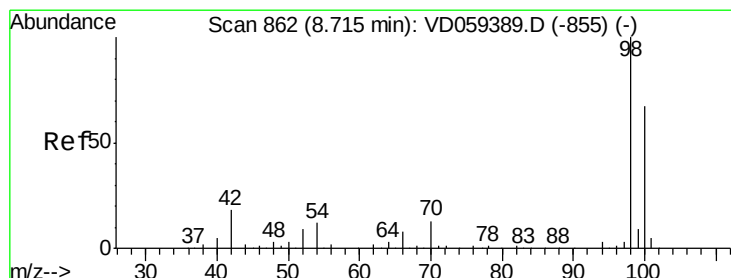
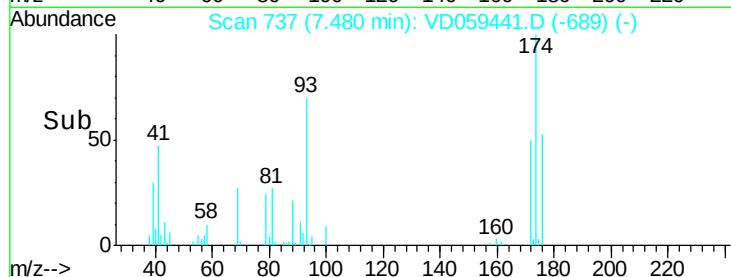
Tot Ion	Ratio	Lower	Upper
88	100		
43	50.1	41.0	61.4
58	46.5	53.4	80.0#

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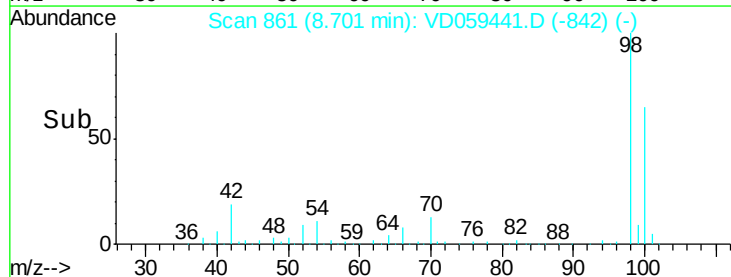
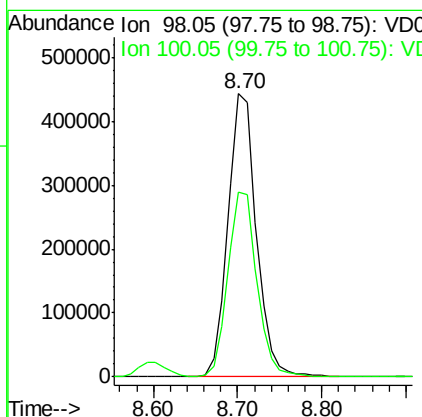
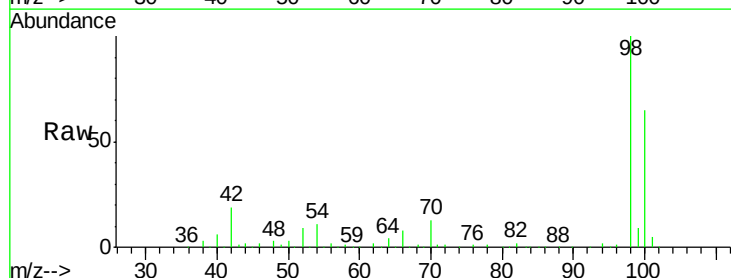


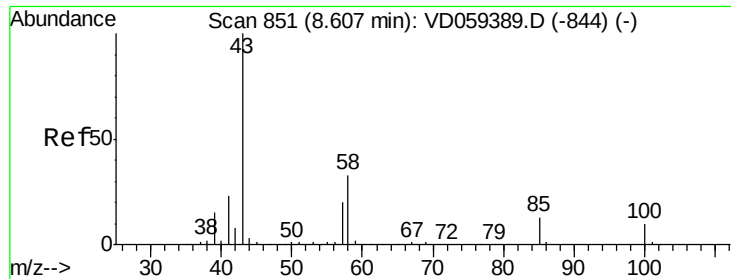
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#50
Toluene-d8
Concen: 378.95 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 95.56 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tot Ion: 43 Resp: 583257

Ion Ratio Lower Upper

43 100

58 34.2 26.3 39.5

Instrument :

MSVOA_D

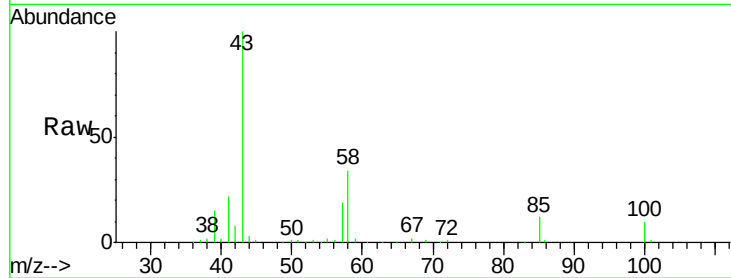
ClientSampleId :

VD0627SBS01

Manual Integrations

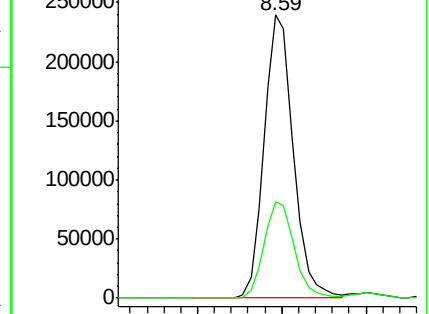
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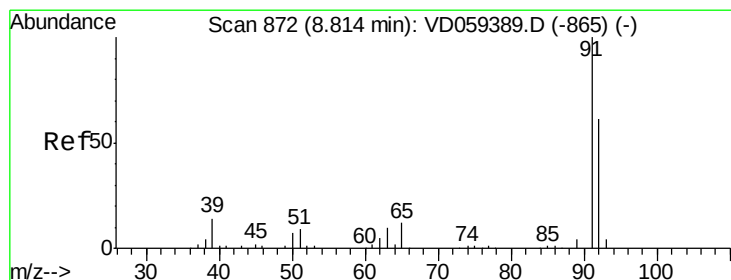
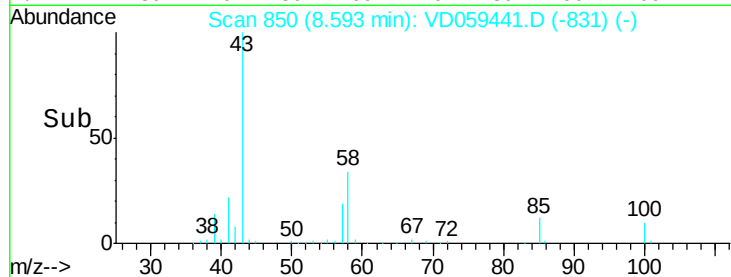


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



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#52

Toluene

Concen: 20.08 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059441.D

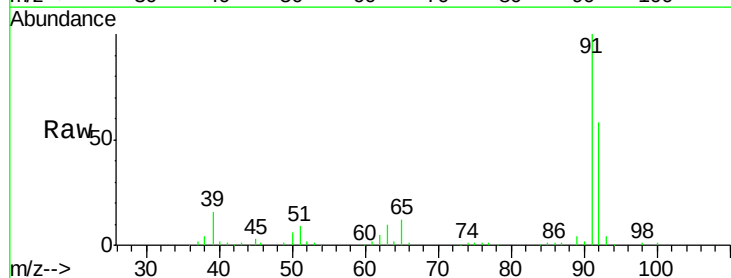
Acq: 27 Jun 2018 13:37

Tgt Ion: 92 Resp: 344593

Ion Ratio Lower Upper

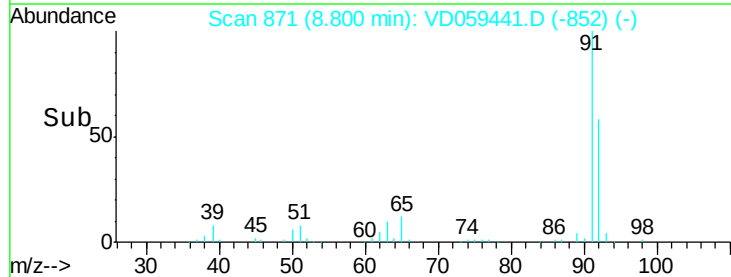
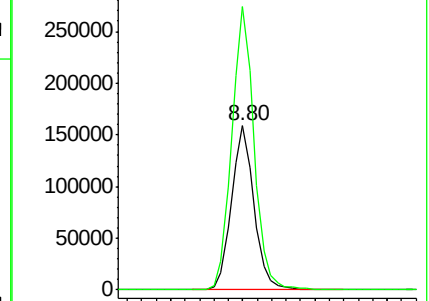
92 100

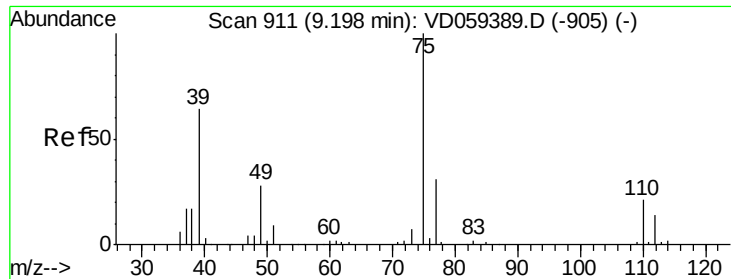
91 172.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.11 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tot Ion: 75 Resp: 225929

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0

Instrument :

MSVOA_D

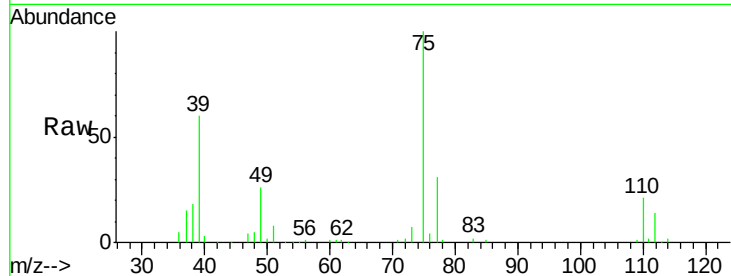
ClientSampleId :

VD0627SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

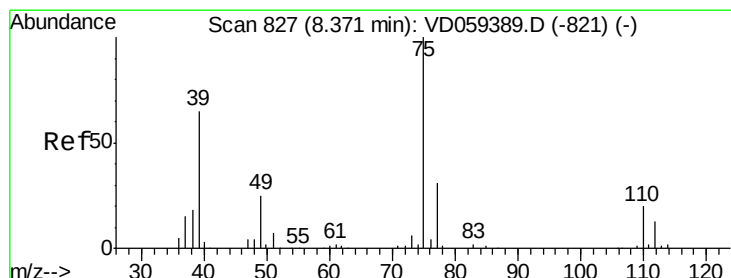
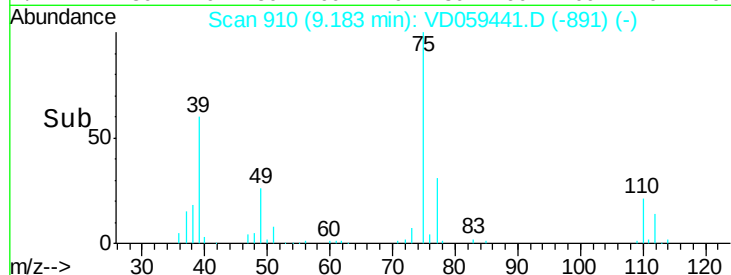
9.18

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.05 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

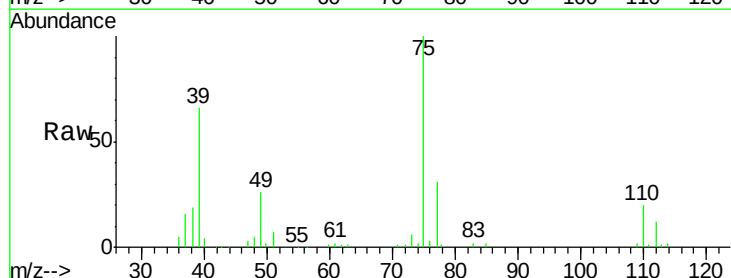
Tgt Ion: 75 Resp: 260905

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1

39 66.4 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.36

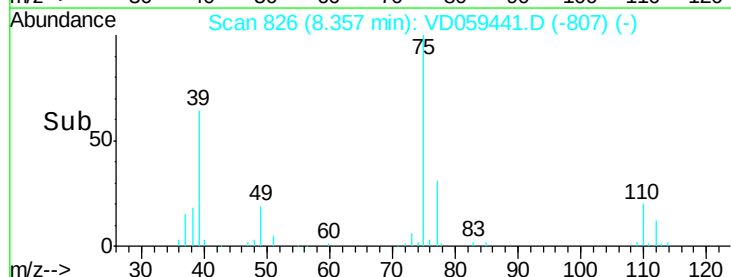
150000

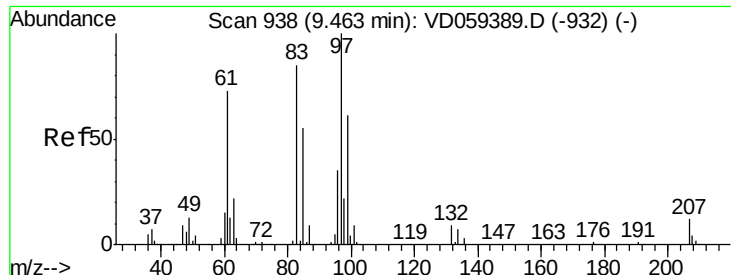
100000

50000

0

Time-->





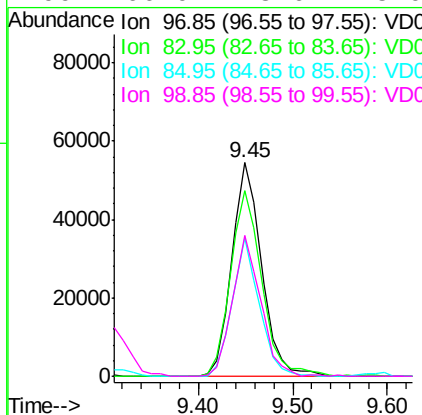
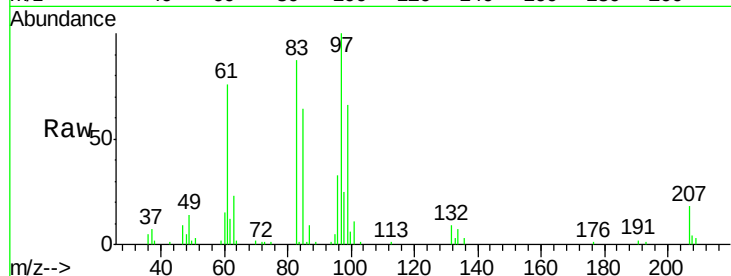
#55
1,1,2-Trichloroethane
Concen: 18.98 ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

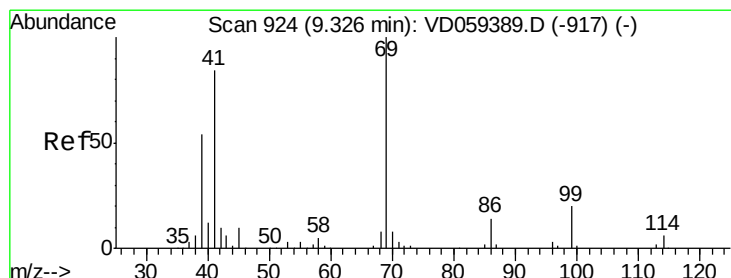
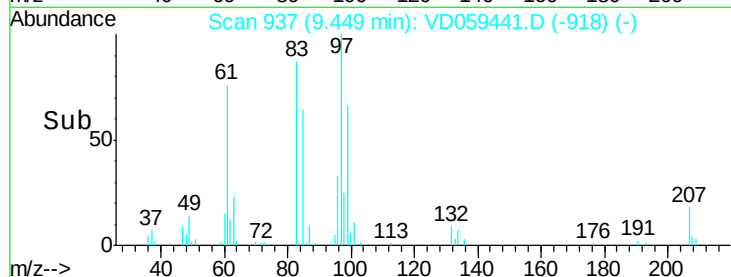
Tot Ion:	97	Resp:	118289
Ion Ratio	Lower	Upper	
97	100		
83	87.0	67.7	101.5
85	64.5	44.3	66.5
99	66.0	48.6	73.0

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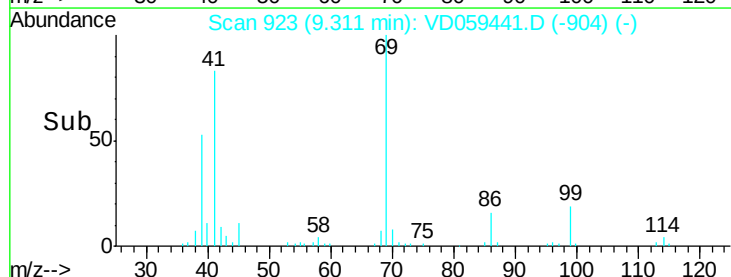
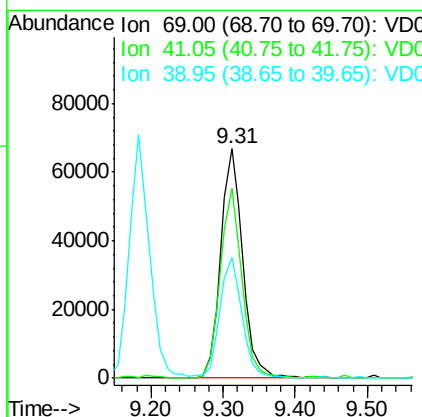
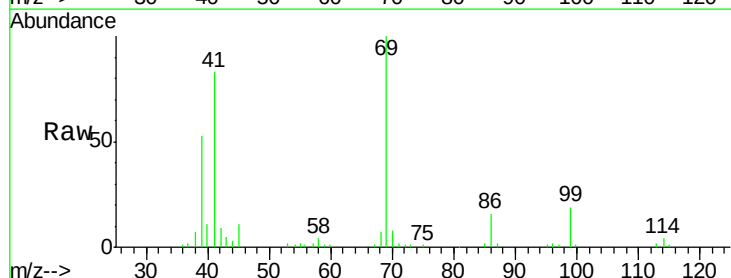


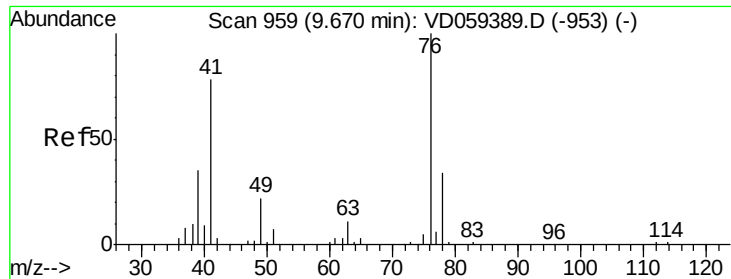
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#56
Ethyl methacrylate
Concen: 19.70 ug/l
RT: 9.31 min Scan# 923
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:	69	Resp:	140098
Ion Ratio	Lower	Upper	
69	100		
41	82.6	67.4	101.0
39	52.6	43.7	65.5





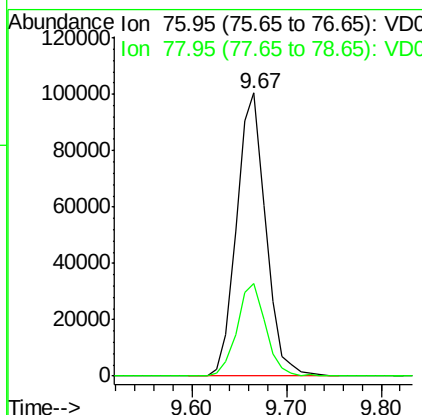
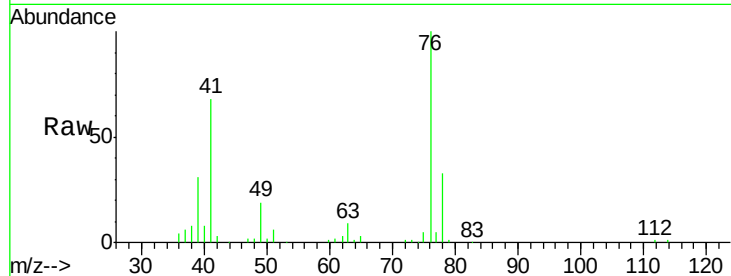
#57
 1,3-Dichloropropane
 Concen: 20.96 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

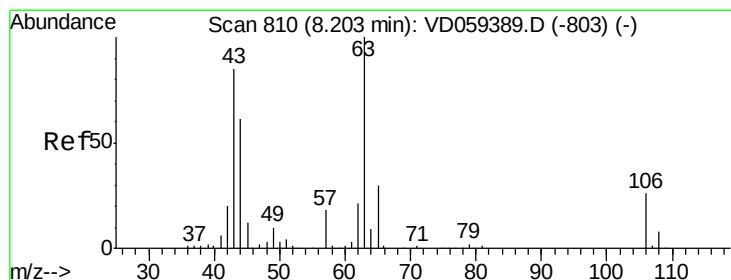
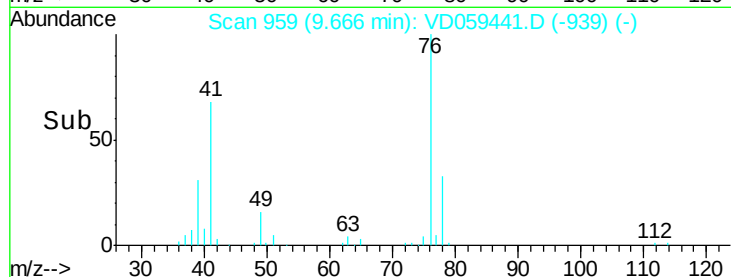
Tot Ion: 76 Resp: 213662
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.8 40.2

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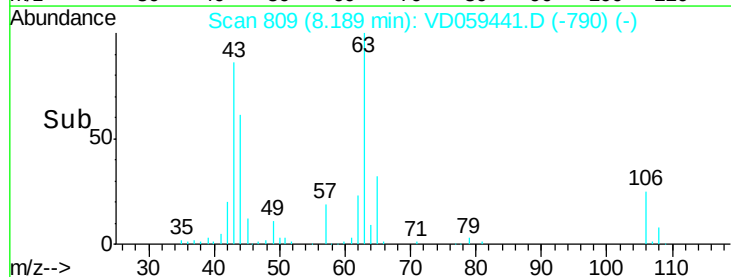
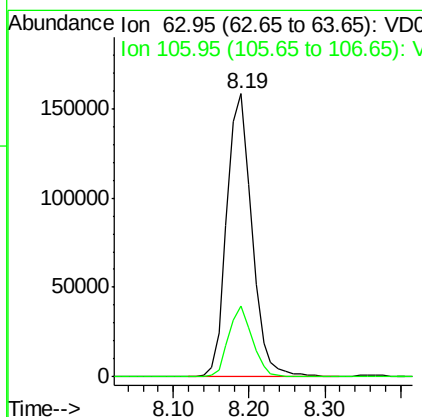
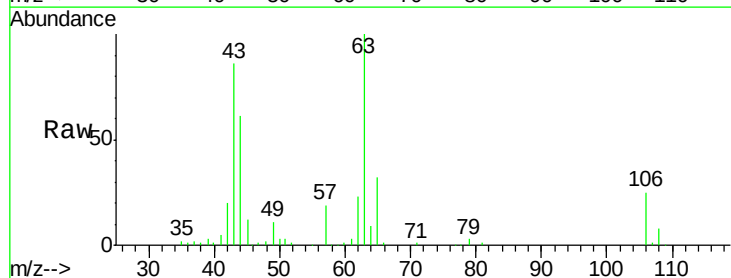


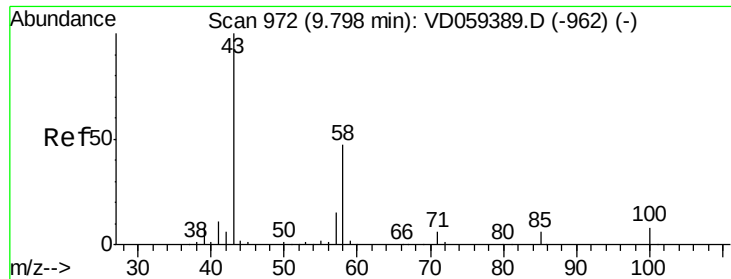
6/28/2018 1:15:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.30 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 63 Resp: 363500
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.6 31.0





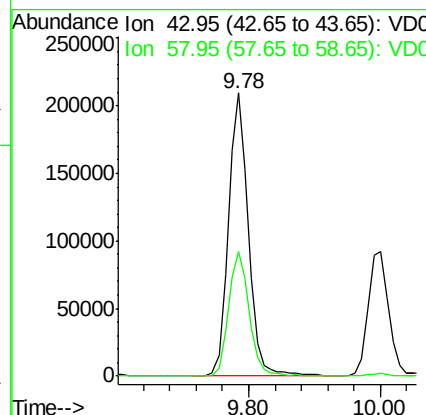
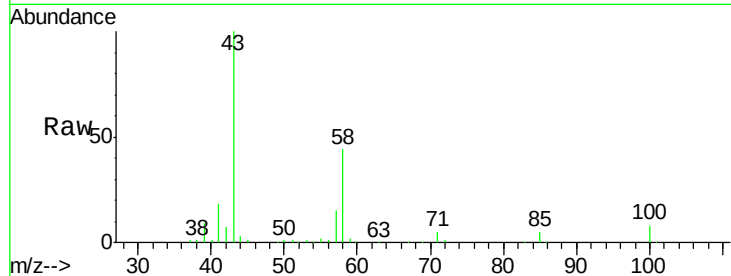
#59
2-Hexanone
Concen: 102.07 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

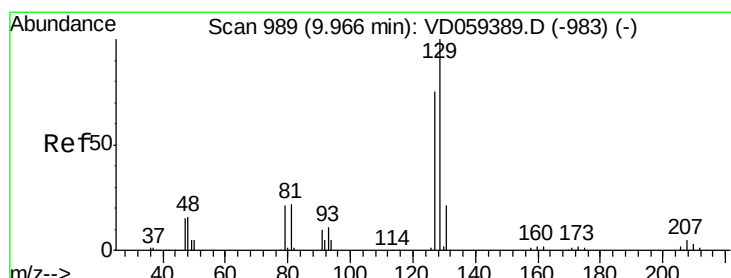
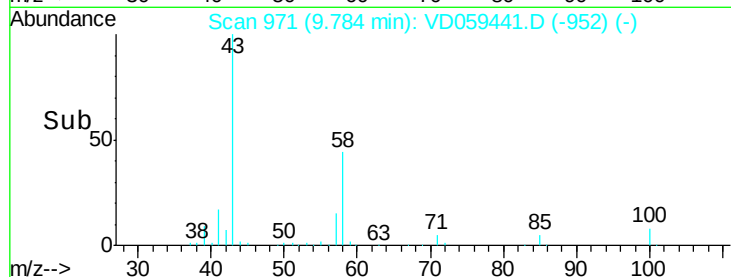
Tot Ion	Ratio	Lower	Upper
43	100		
58	43.9	23.3	69.9

Manual Integrations
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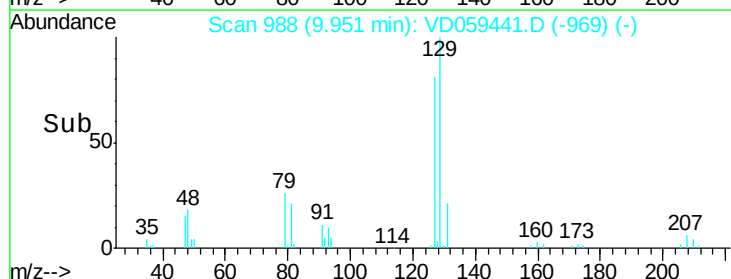
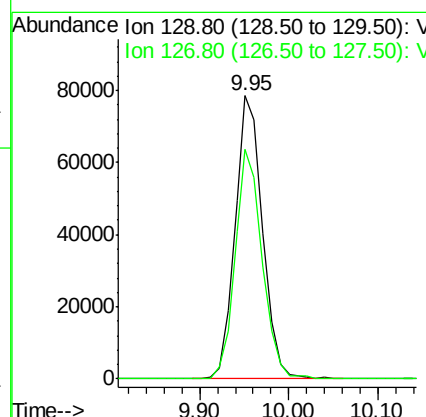
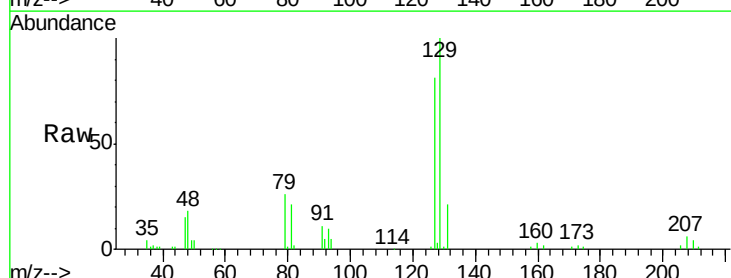


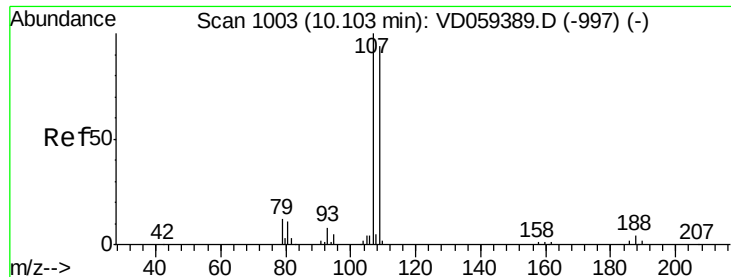
6/28/2018 1:15:37 PM



#60
Dibromochloromethane
Concen: 19.35 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.2	37.3	111.8





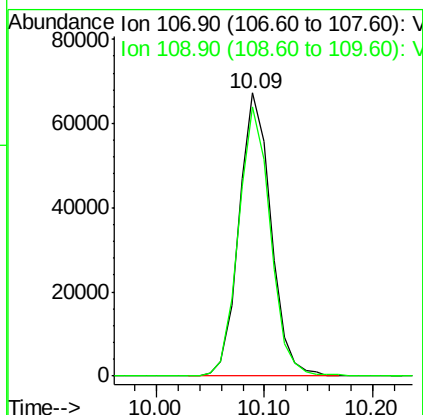
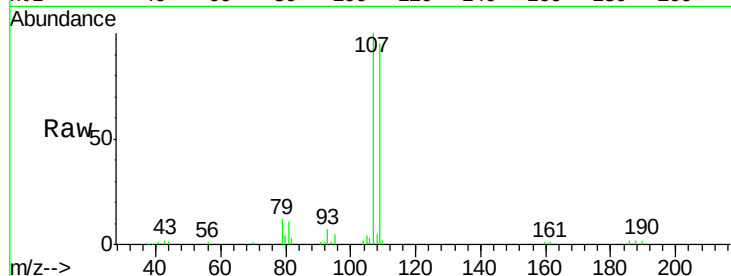
#61
 1,2-Dibromoethane
 Concen: 19.82 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

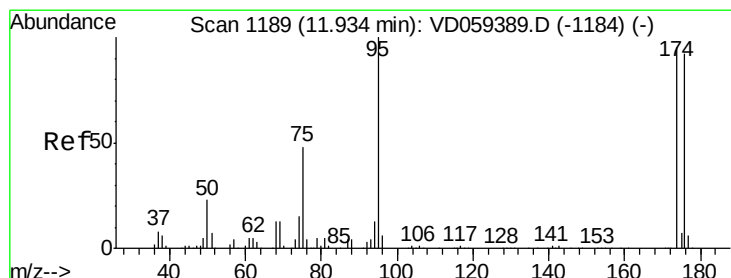
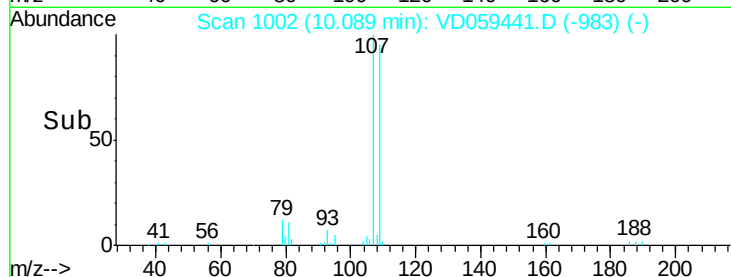
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.6

Manual Integrations
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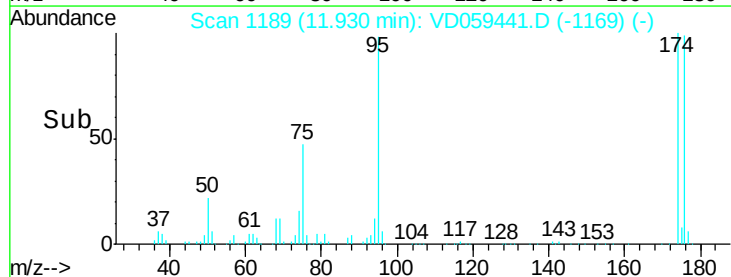
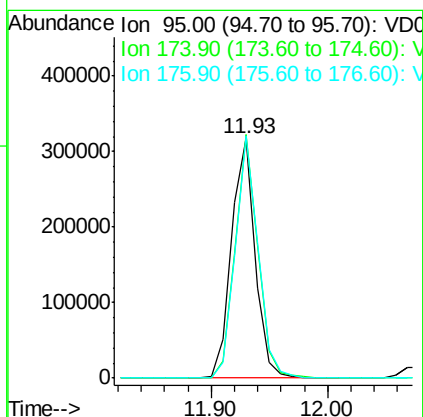
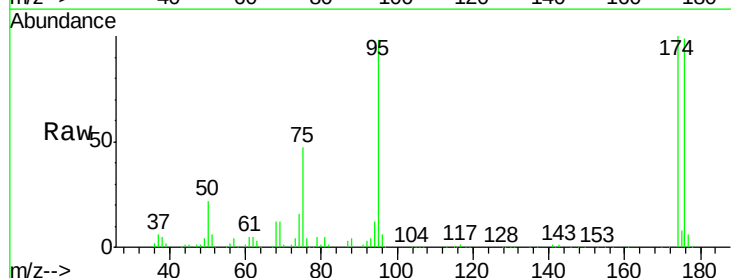


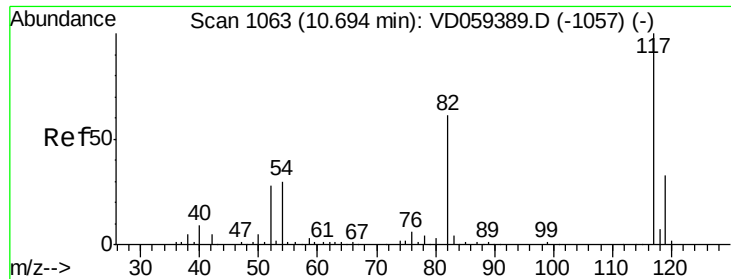
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#62
 4-Bromofluorobenzene
 Concen: 19.82 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.6	0.0	190.4
176	101.0	0.0	183.2





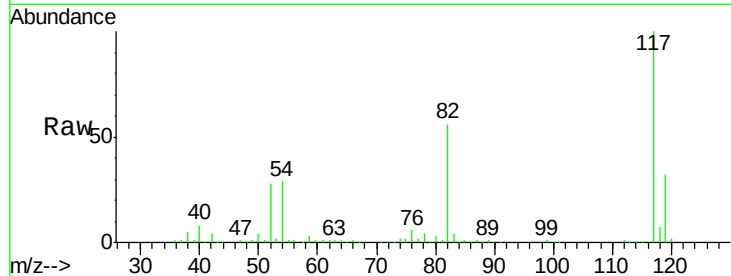
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	49.0	73.6
119	32.4	26.2	39.4

Manual Integrations
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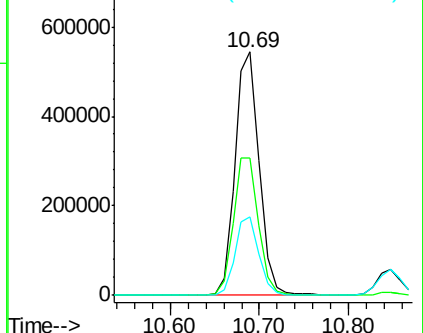


Abundance

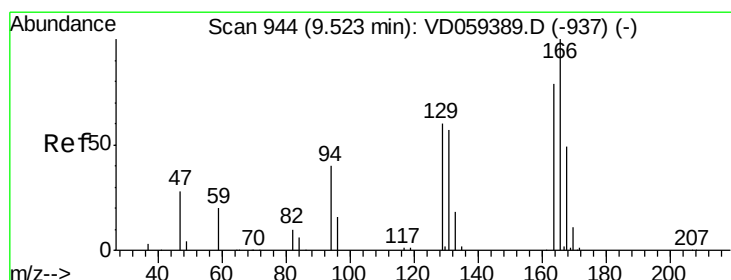
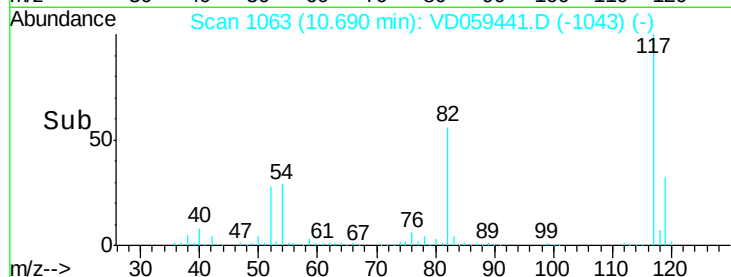
Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



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#64
Tetrachloroethene
Concen: 19.28 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.4	152.2
129	77.8	60.9	91.3
131	76.5	58.2	87.4

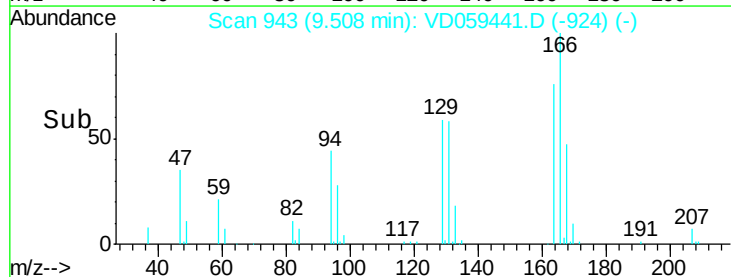
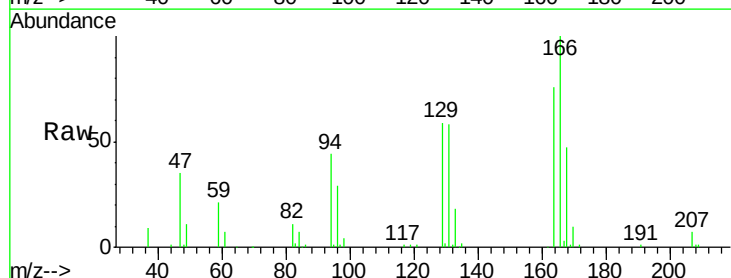
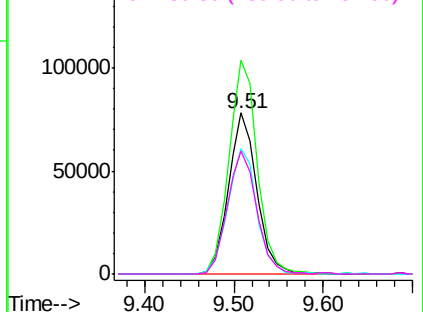
Abundance

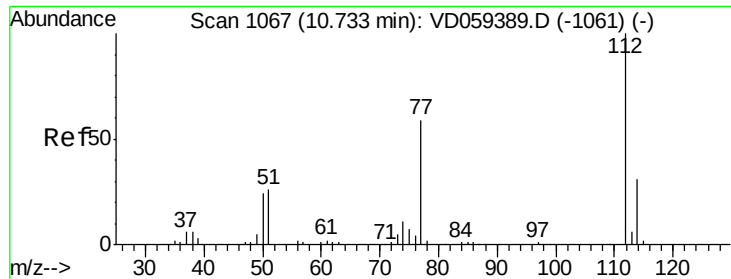
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





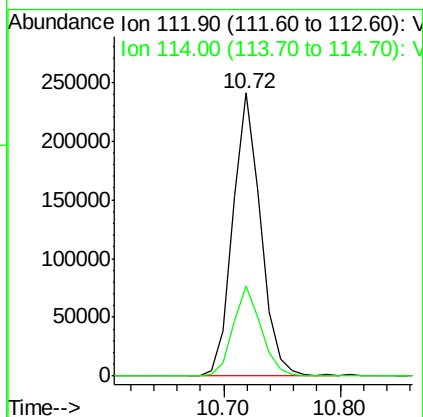
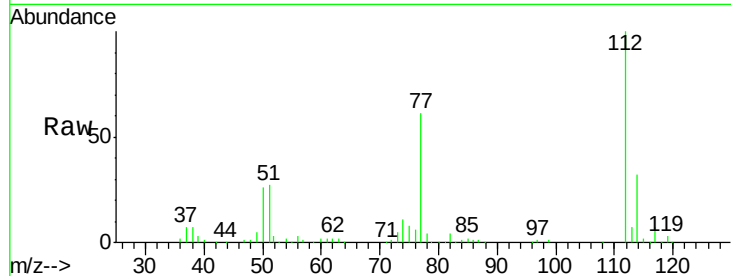
#65
Chlorobenzene
Concen: 21.12 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

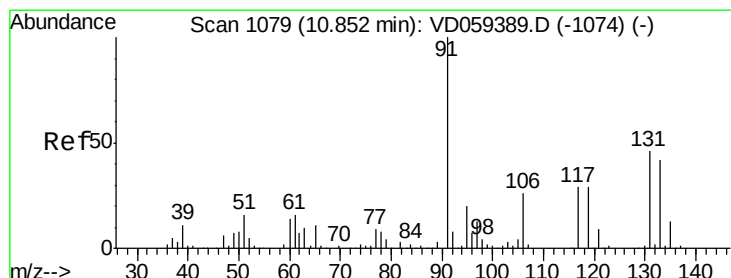
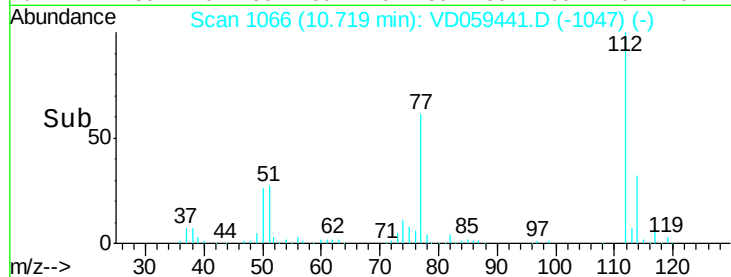
Tot Ion:112 Resp: 398670
Ion Ratio Lower Upper
112 100
114 32.0 24.6 37.0

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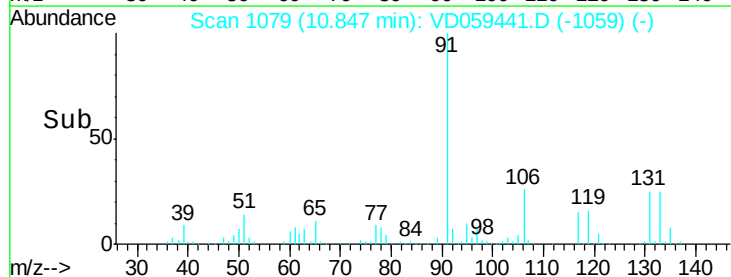
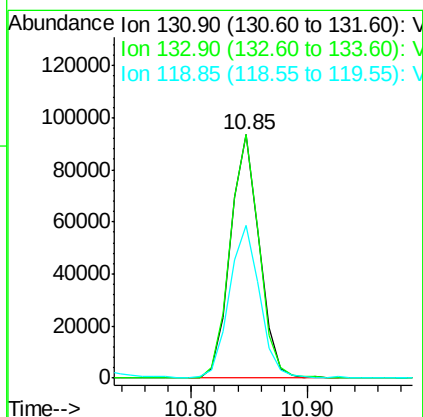
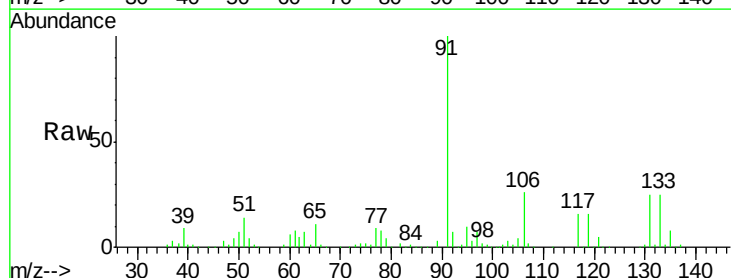


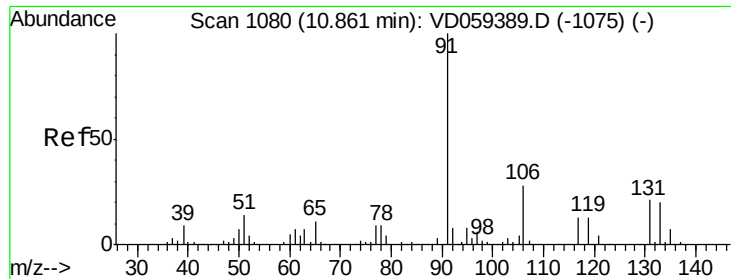
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.12 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:131 Resp: 160263
Ion Ratio Lower Upper
131 100
133 99.8 45.7 137.1
119 63.0 32.3 96.9





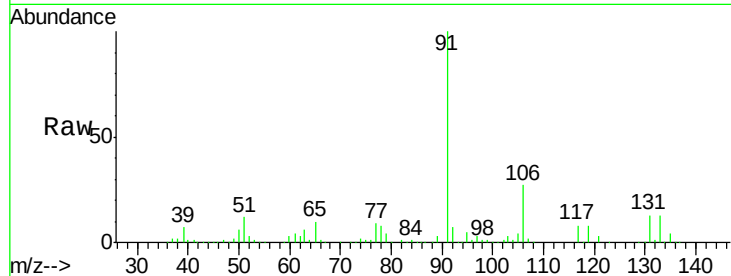
#67
Ethyl Benzene
Concen: 24.16 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

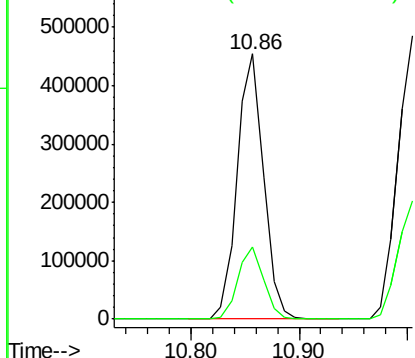
Tot Ion: 91 Resp: 769583
Ion Ratio Lower Upper
91 100
106 27.4 22.3 33.5

Manual Integrations
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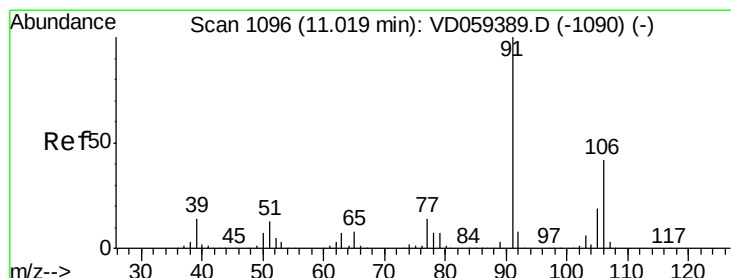
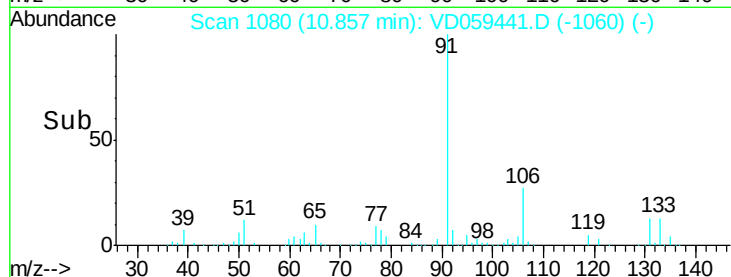
apatel



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

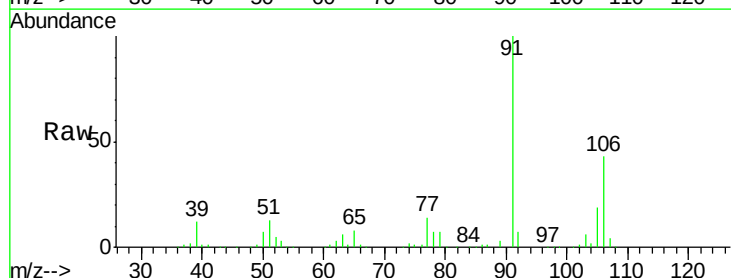


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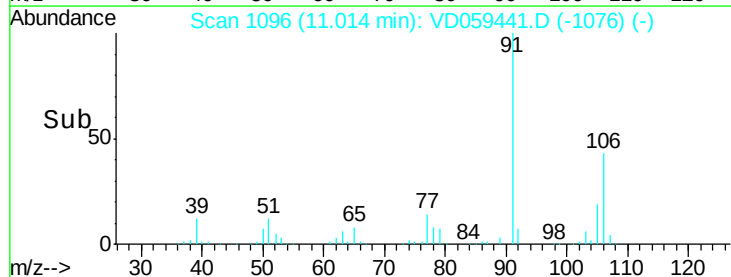
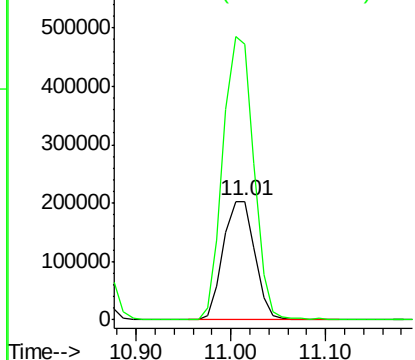


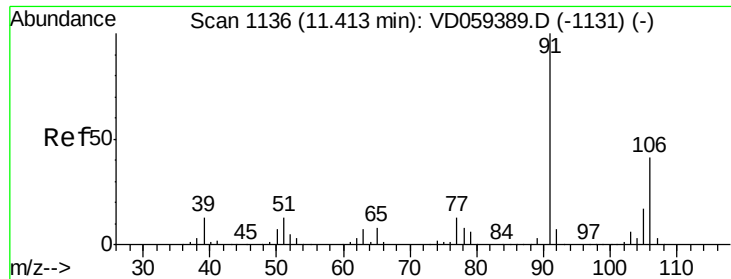
#68
m/p-Xylenes
Concen: 44.40 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion: 106 Resp: 469226
Ion Ratio Lower Upper
106 100
91 233.0 191.0 286.6



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





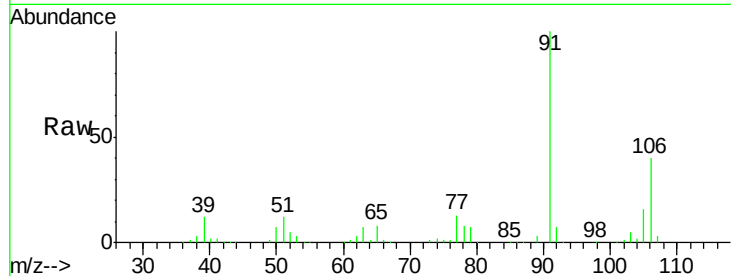
#69
o-Xylene
Concen: 22.57 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleID :
VD0627SBS01

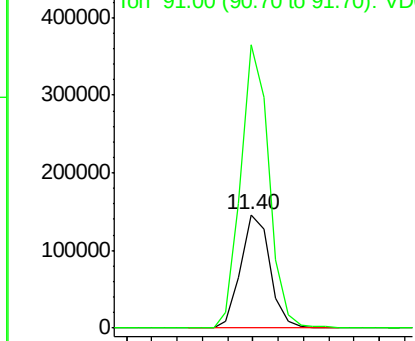
Tot Ion:106 Resp: 235771
Ion Ratio Lower Upper
106 100
91 250.2 121.0 362.8

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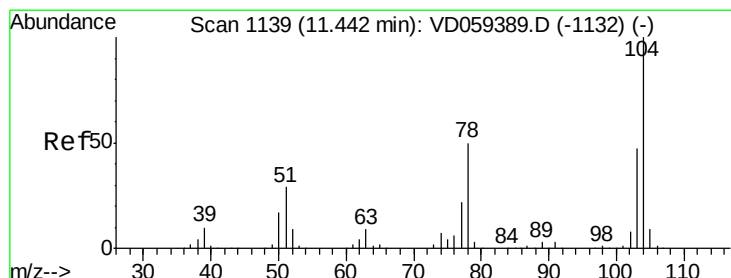
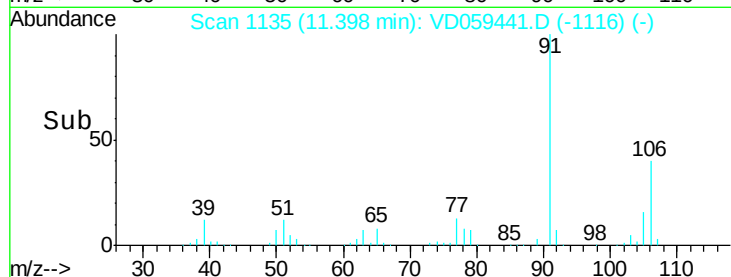
apatel



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

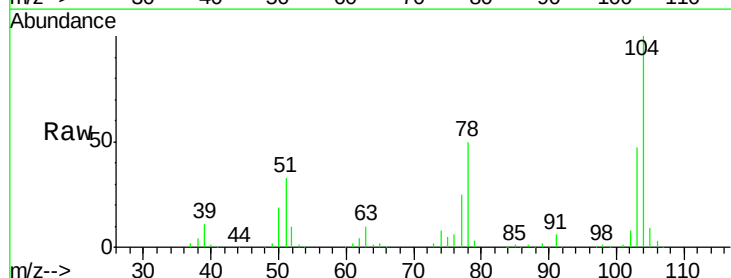


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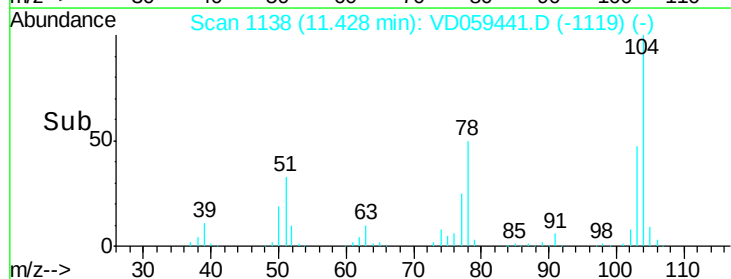
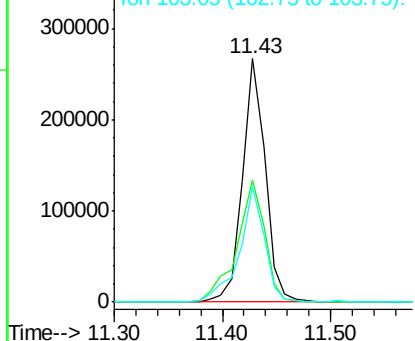


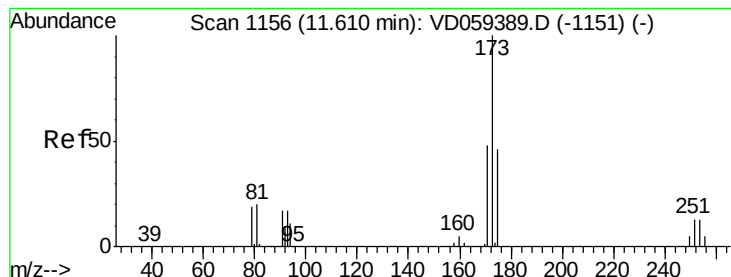
#70
Styrene
Concen: 21.71 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion:104 Resp: 388836
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 47.4 37.8 56.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.50 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

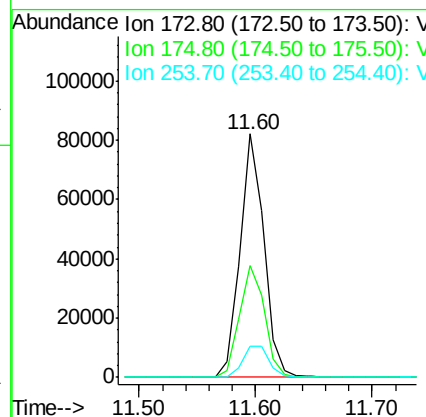
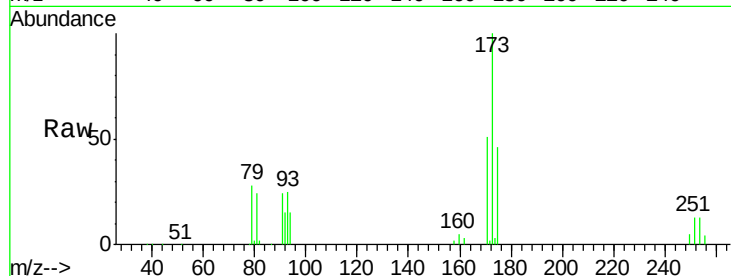
ClientSampleId :

VD0627SBS01

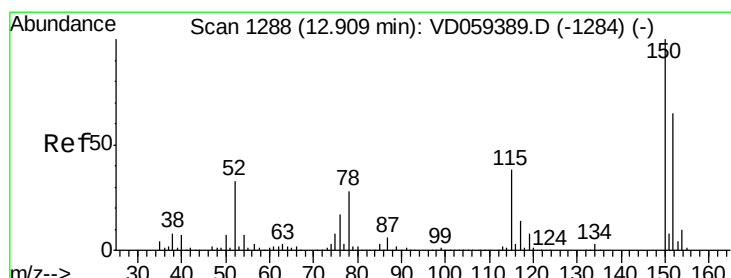
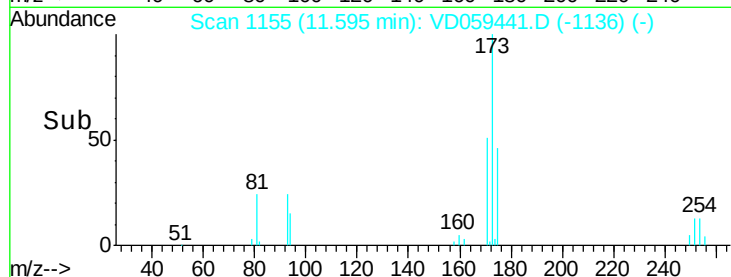
Tot Ion:	173	Resp:	117041
Ion Ratio	Lower	Upper	
173	100		
175	45.8	22.8	68.4
254	12.5	10.1	15.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

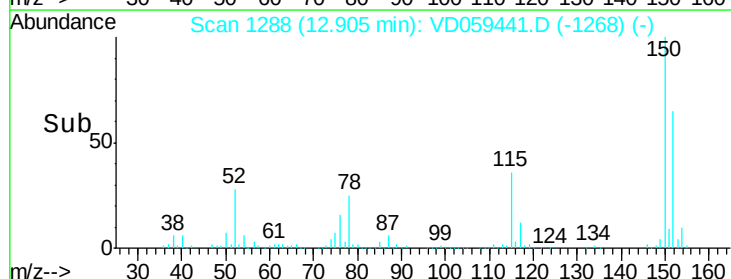
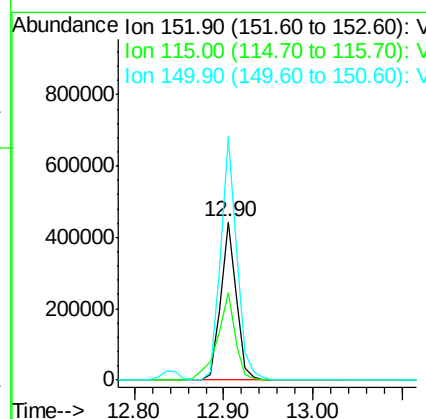
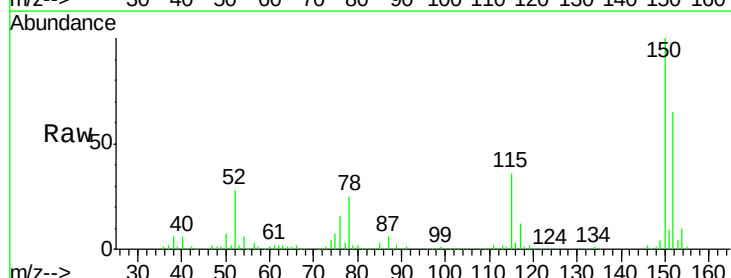
RT: 12.90 min Scan# 1288

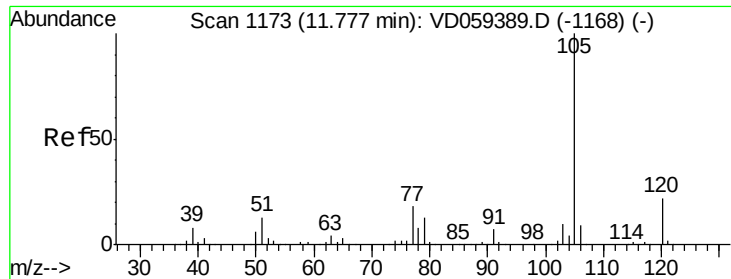
Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion:	152	Resp:	538767
Ion Ratio	Lower	Upper	
152	100		
115	55.0	29.4	88.3
150	154.0	0.0	308.2





#73

Isopropylbenzene

Concen: 22.58 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 105 Resp: 686593

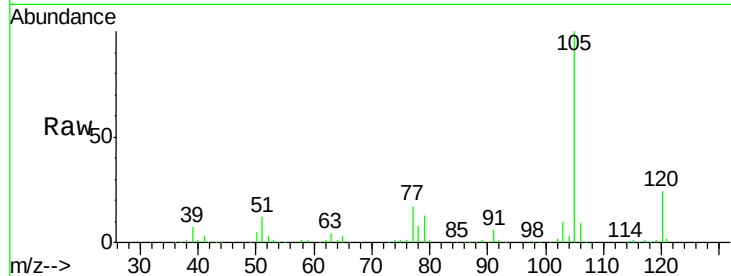
Ion Ratio Lower Upper

105 100

120 23.9 11.0 33.0

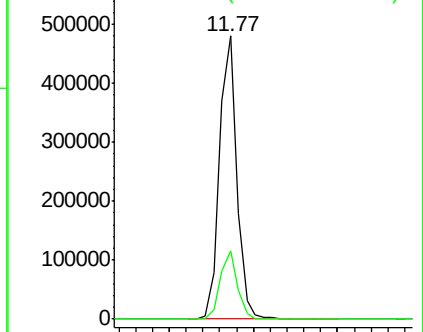
Manual Integrations
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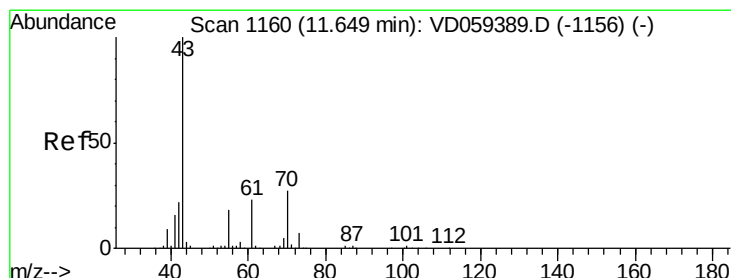
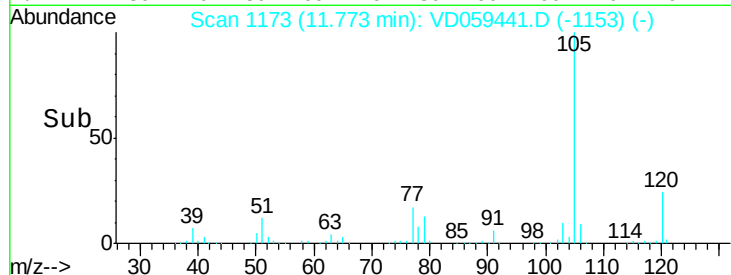


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



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#74

N-ethyl acetate

Concen: 19.04 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Tgt Ion: 43 Resp: 220241

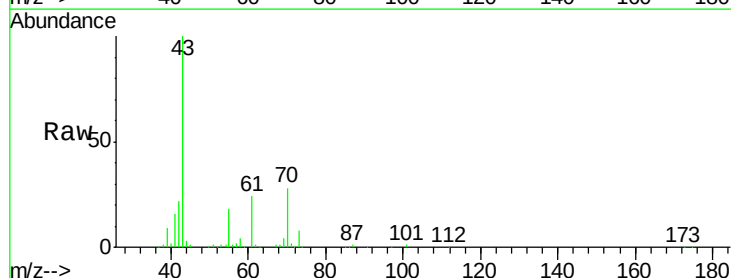
Ion Ratio Lower Upper

43 100

70 27.8 21.7 32.5

55 18.0 14.6 22.0

61 24.2 18.0 27.0

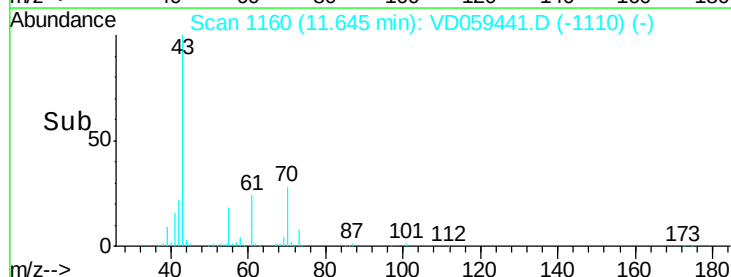
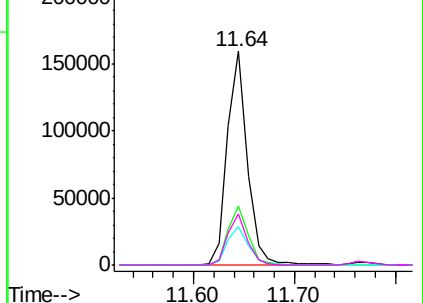


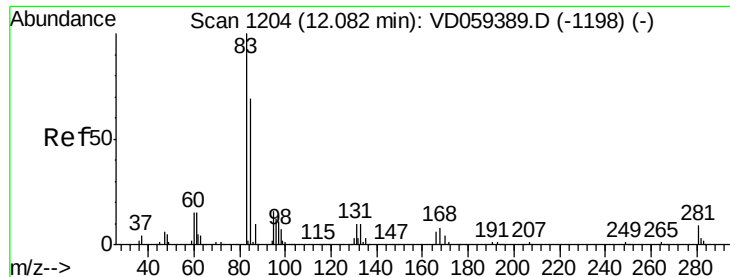
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

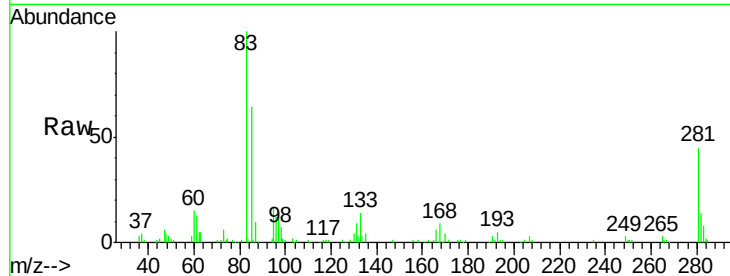
ClientSampleId :

VD0627SBS01

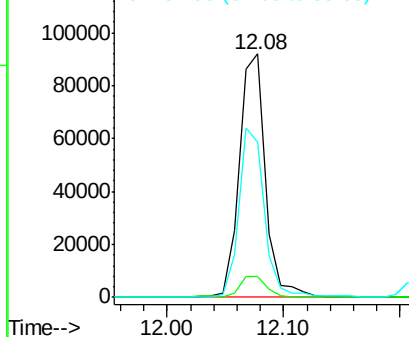
Tot Ion:	83	Resp:	141731
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.9	14.6
85	63.7	34.6	103.8

Manual Integrations
APPROVED

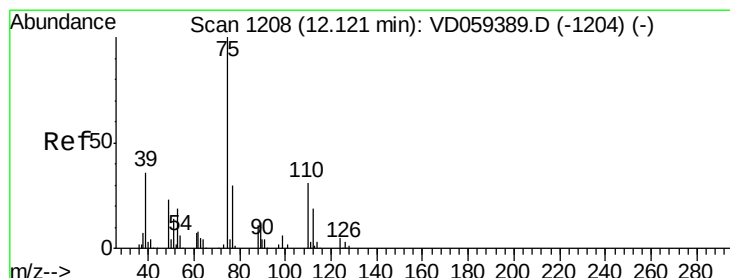
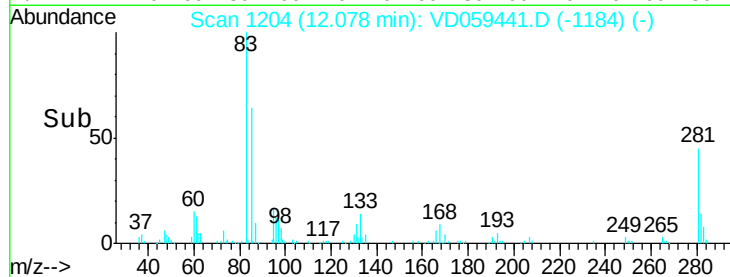
apatel



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



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#76

1,2,3-Trichloropropane

Concen: 19.10 ug/l

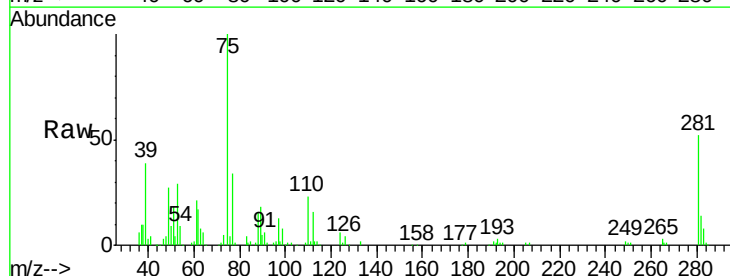
RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

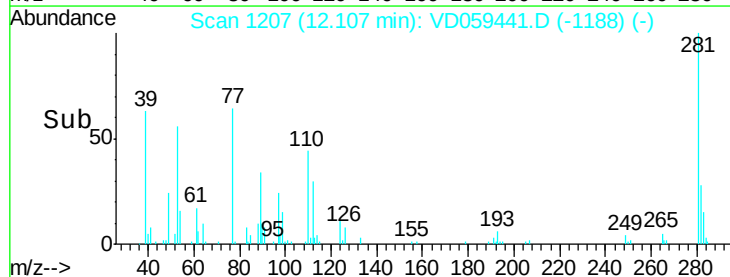
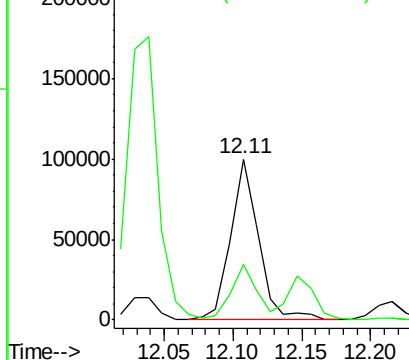
Lab File: VD059441.D

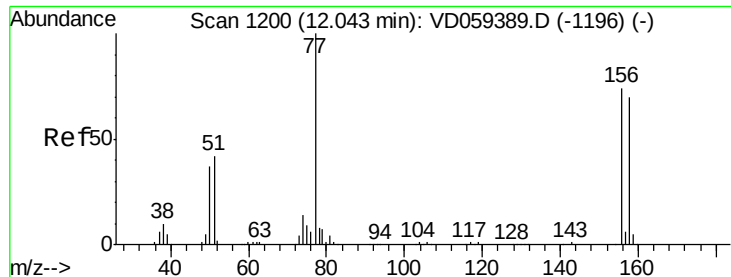
Acq: 27 Jun 2018 13:37

Tgt Ion:	75	Resp:	141929
Ion Ratio	Lower	Upper	
75	100		
77	34.4	15.6	46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.14 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

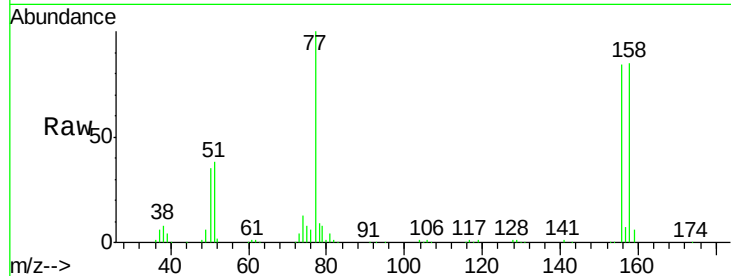
ClientSampleId :

VD0627SBS01

Tot Ion:	156	Resp:	202262
Ion Ratio	Lower	Upper	
156	100		
77	119.3	68.0	203.8
158	101.7	47.7	143.1

Manual Integrations
APPROVED

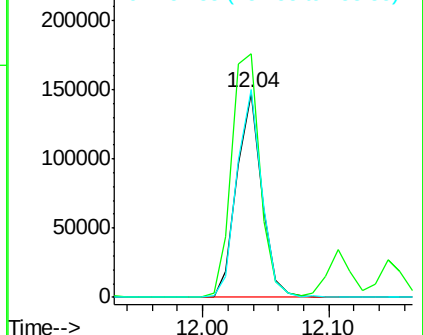
apatel



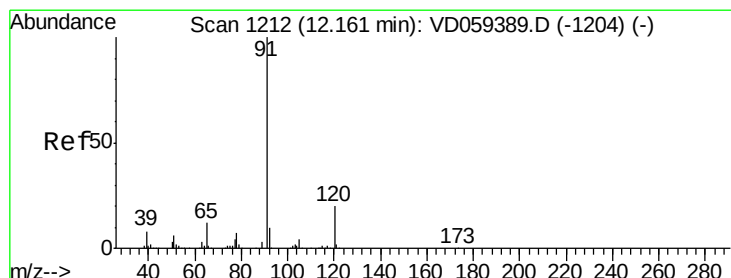
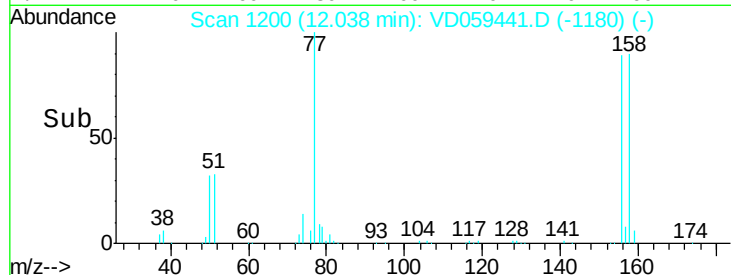
Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



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#78

n-propylbenzene

Concen: 22.43 ug/l

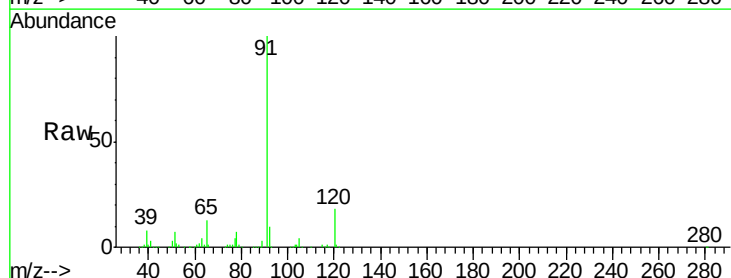
RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059441.D

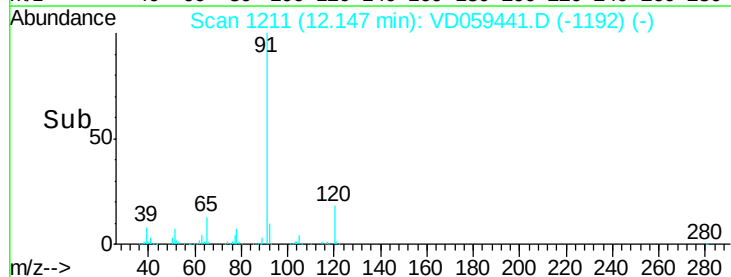
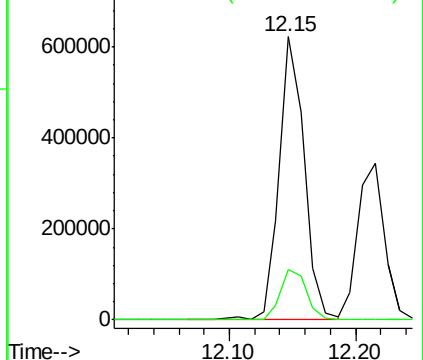
Acq: 27 Jun 2018 13:37

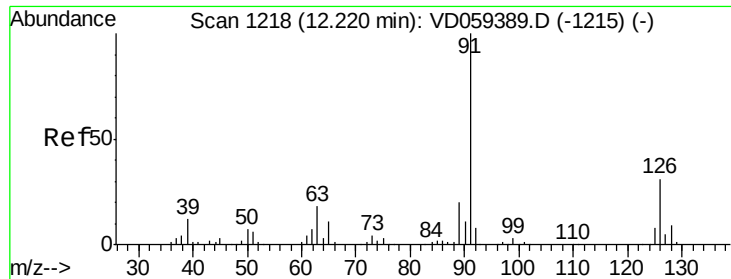
Tgt Ion:	91	Resp:	863826
Ion Ratio	Lower	Upper	
91	100		
120	17.6	10.0	29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





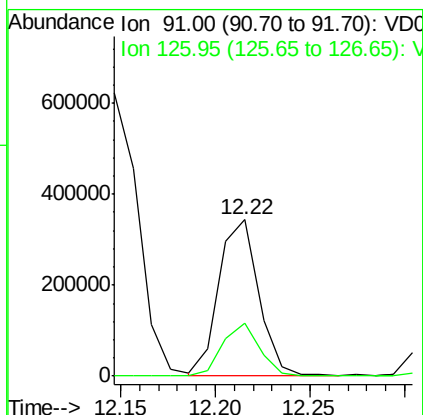
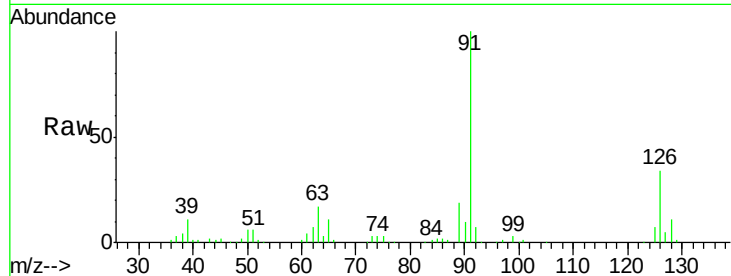
#79
 2-Chlorotoluene
 Concen: 22.11 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

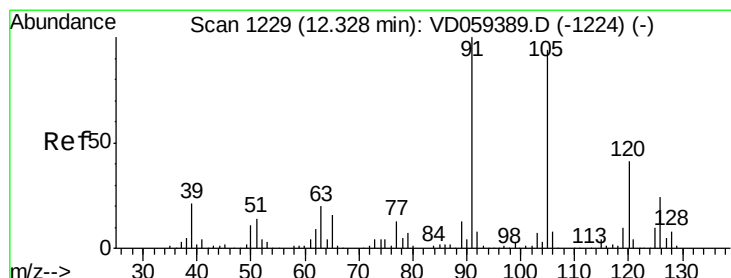
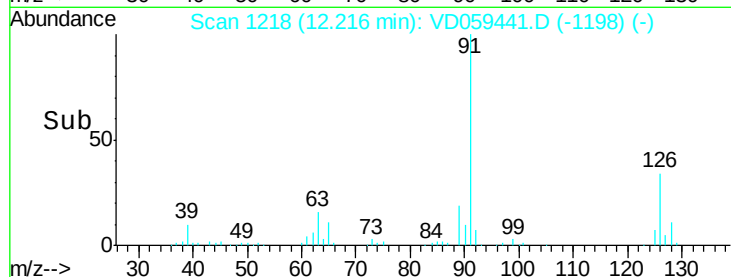
Tot Ion: 91 Resp: 500072
 Ion Ratio Lower Upper
 91 100
 126 33.8 15.2 45.5

Manual Integrations
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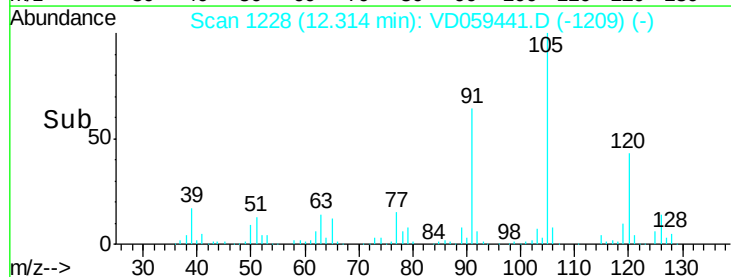
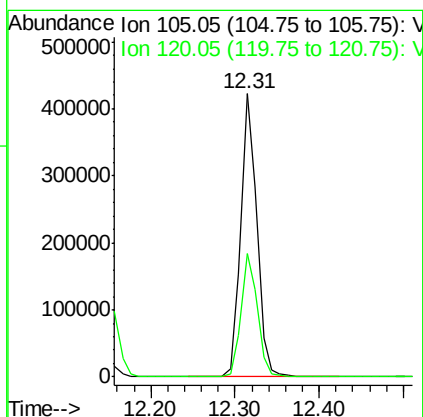
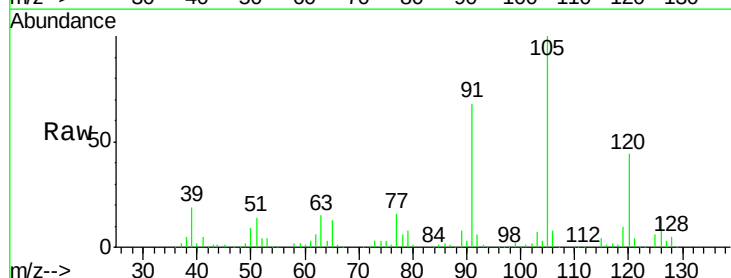


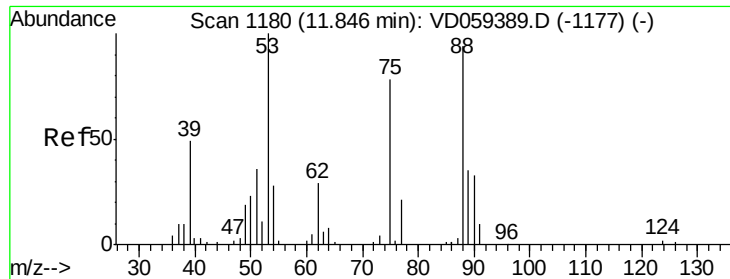
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.16 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion: 105 Resp: 560536
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.00 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion: 75 Resp: 33778

Ion Ratio Lower Upper

75 100

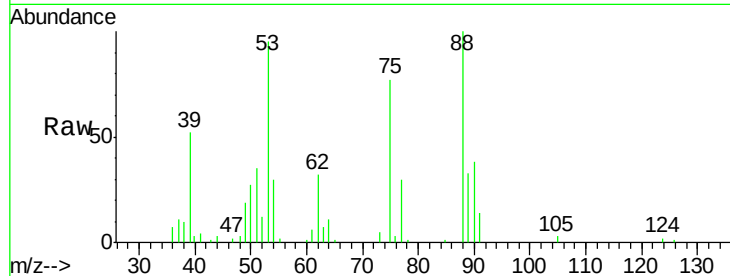
53 123.3 102.6 154.0

89 42.6 35.9 53.9

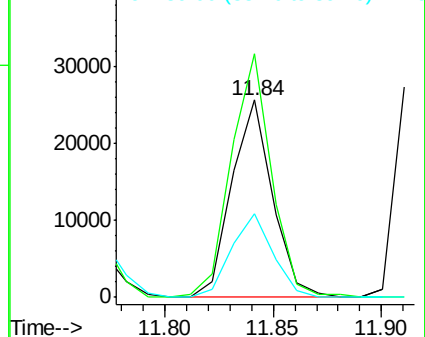
Manual Integrations

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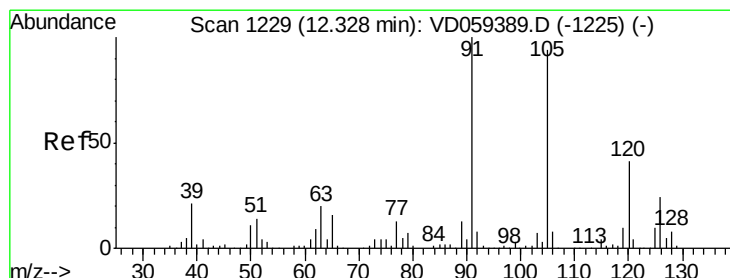
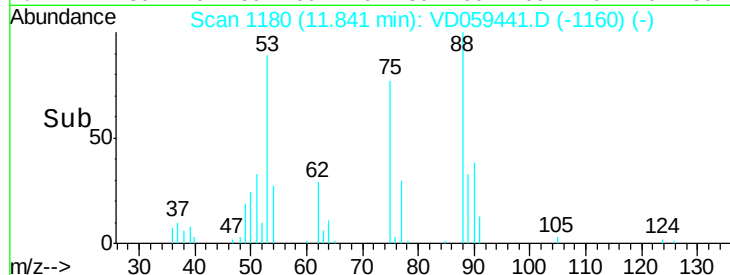
apatel



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



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#82

4-Chlorotoluene

Concen: 22.57 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059441.D

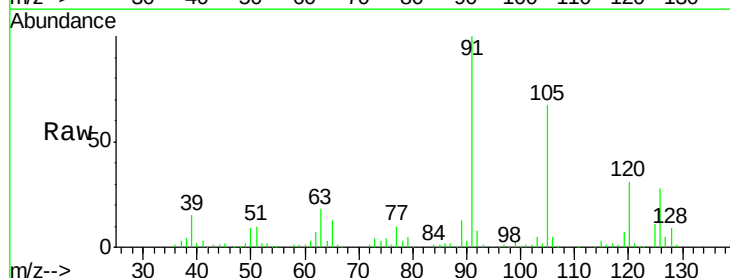
Acq: 27 Jun 2018 13:37

Tgt Ion: 91 Resp: 578841

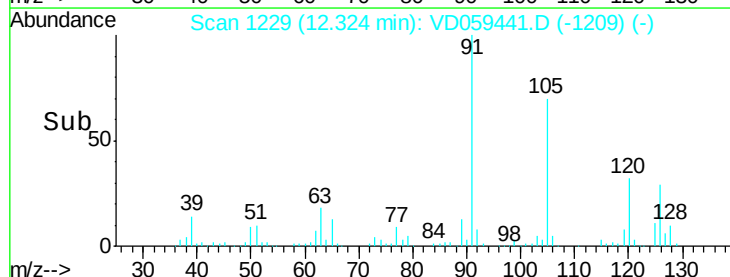
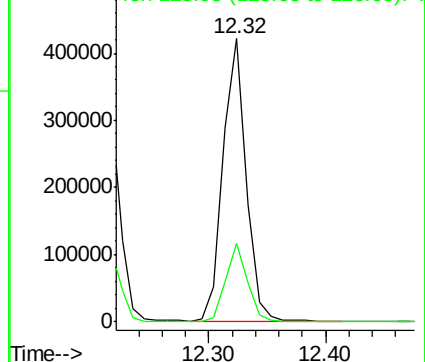
Ion Ratio Lower Upper

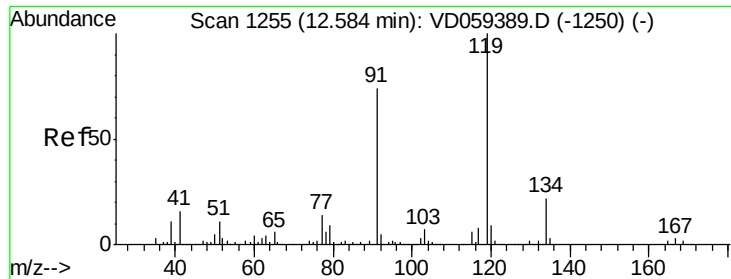
91 100

126 27.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





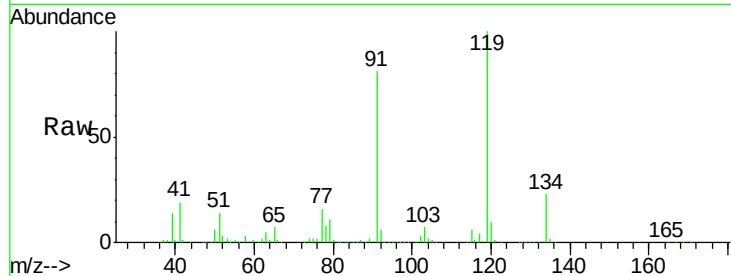
#83
 tert-Butylbenzene
 Concen: 23.59 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

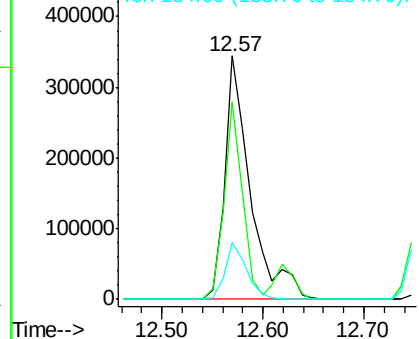
Tot Ion	Ratio	Lower	Upper
119	100		
91	81.3	36.9	110.7
134	23.2	11.2	33.6

Manual Integrations
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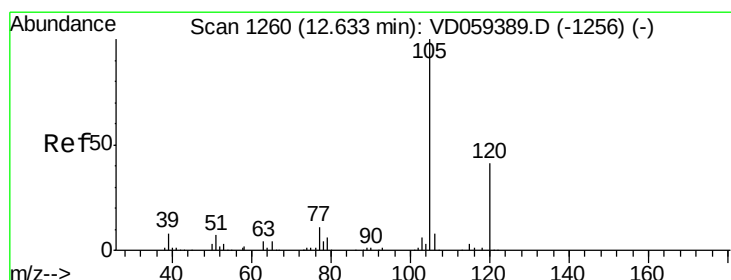
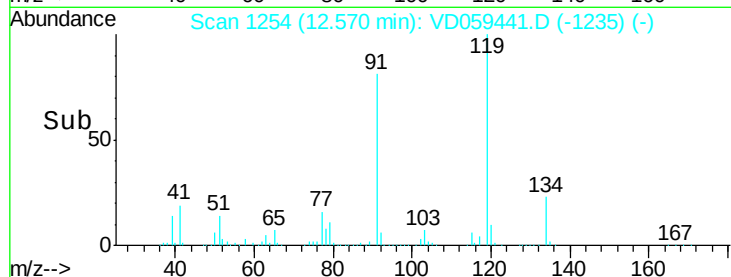
apatel



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

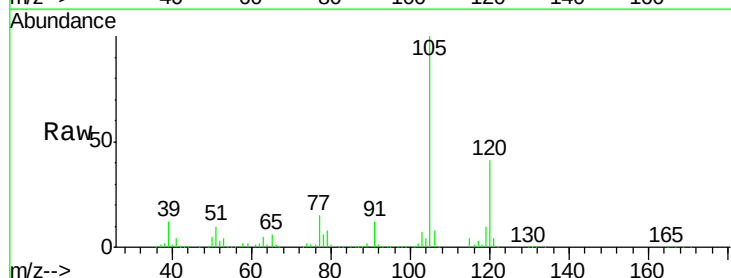


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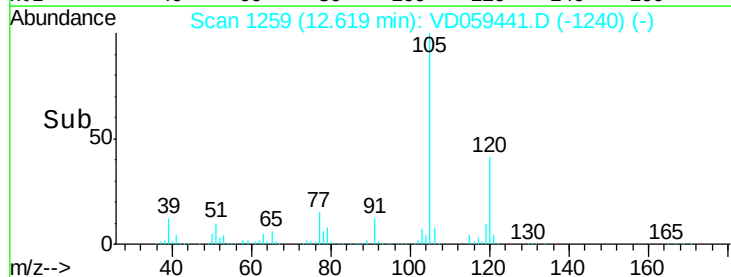
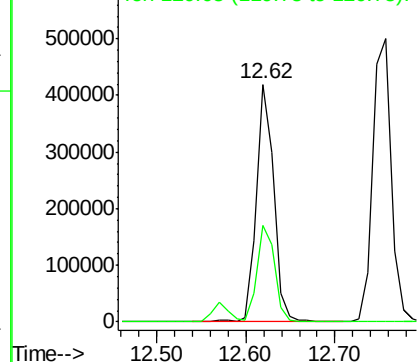


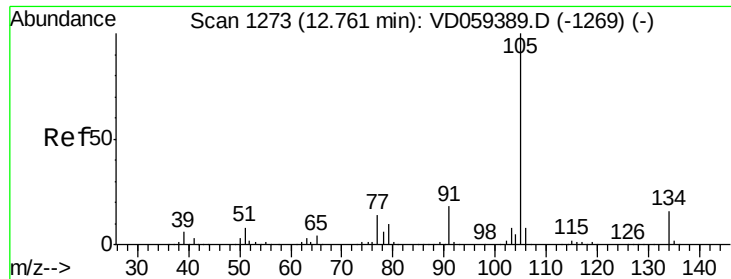
#84
 1,2,4-Trimethylbenzene
 Concen: 21.80 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.8	21.5	64.5



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.44 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

Instrument :

MSVOA_D

ClientSampleId :

VD0627SBS01

Tot Ion:105 Resp: 708955

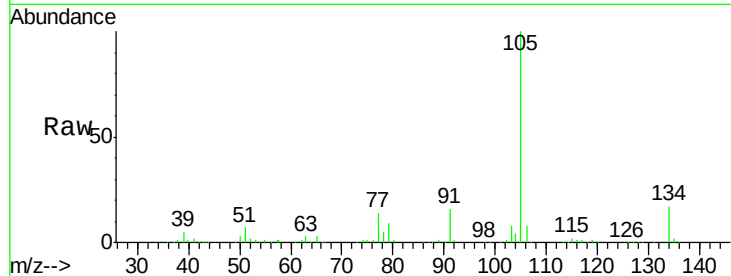
Ion Ratio Lower Upper

105 100

134 17.1 8.2 24.6

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.76

500000

400000

300000

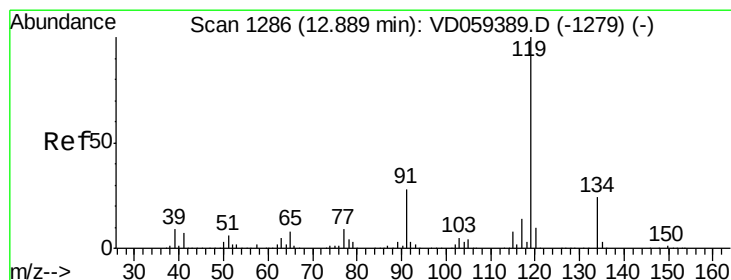
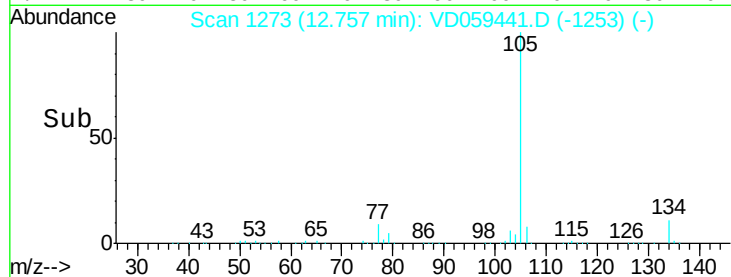
200000

100000

0

Time-->

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#86

p-Isopropyltoluene

Concen: 22.86 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059441.D

Acq: 27 Jun 2018 13:37

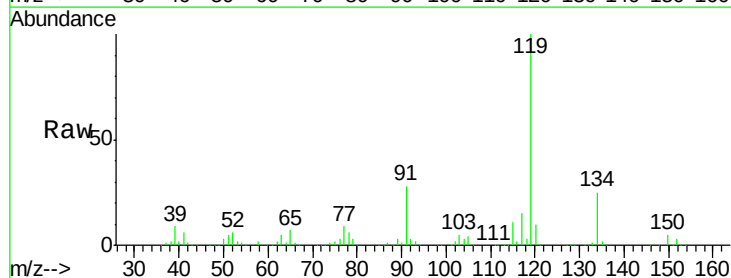
Tgt Ion:119 Resp: 582046

Ion Ratio Lower Upper

119 100

134 24.8 11.9 35.5

91 27.5 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

600000

500000

400000

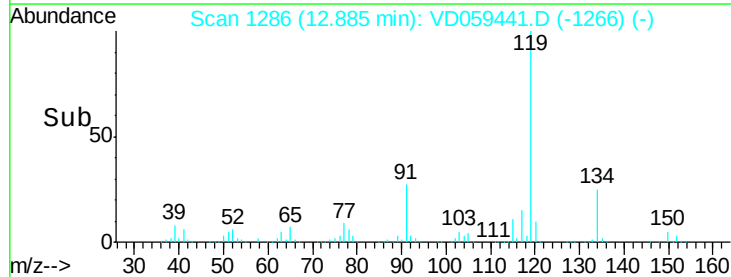
300000

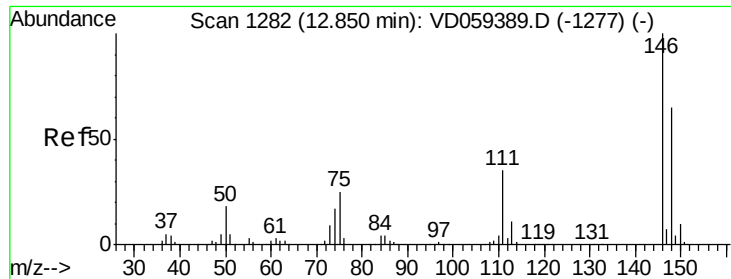
200000

100000

0

Time-->





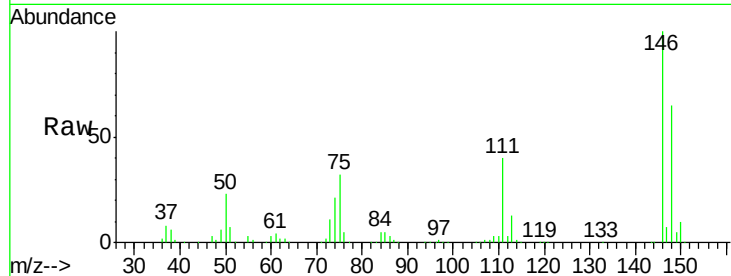
#87
 1,3-Dichlorobenzene
 Concen: 22.39 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

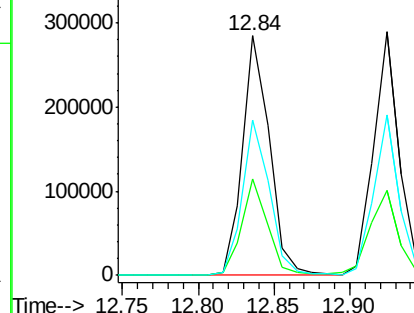
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	17.6	52.8
148	65.1	32.4	97.2

Manual Integrations
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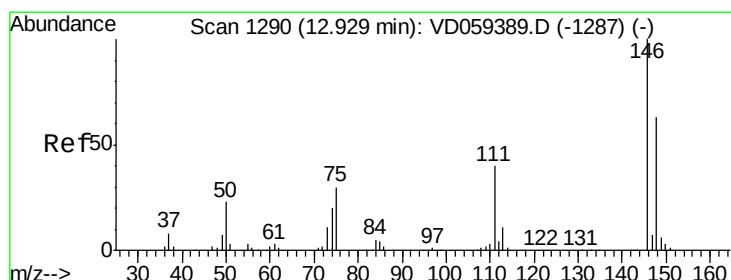
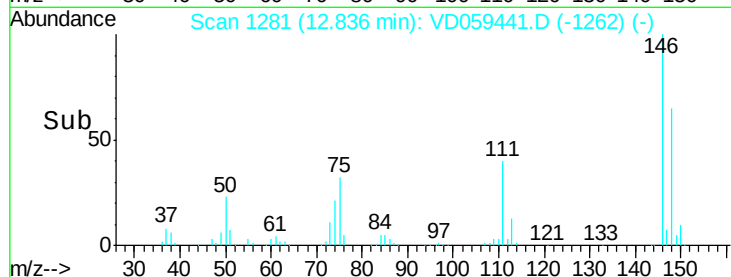
apatel



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

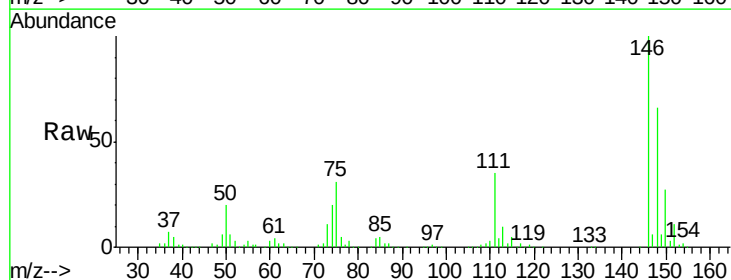


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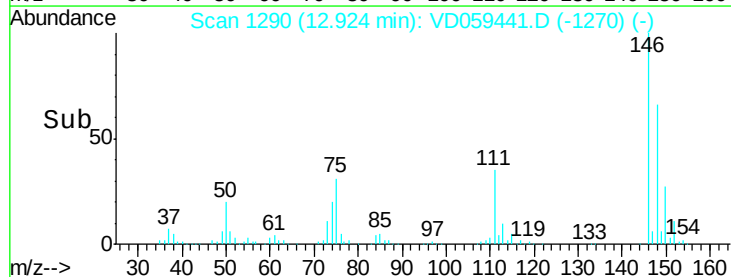
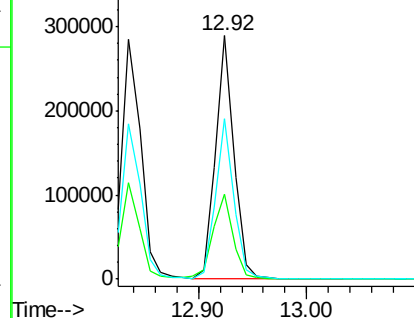


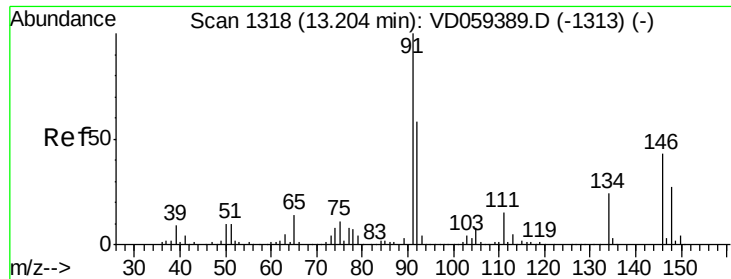
#88
 1,4-Dichlorobenzene
 Concen: 22.12 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.1	60.2
148	65.9	31.4	94.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





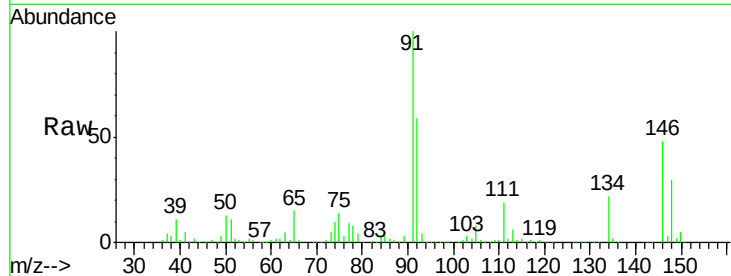
#89
n-Butylbenzene
Concen: 24.47 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	28.8	86.5
134	21.6	11.9	35.7

Manual Integrations
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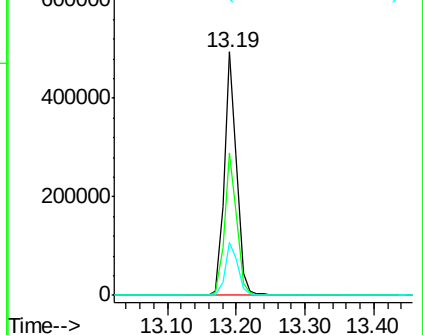


Abundance

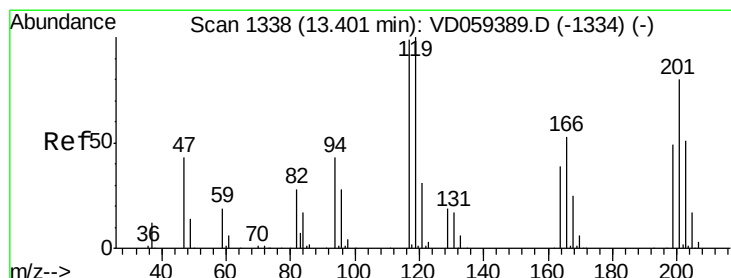
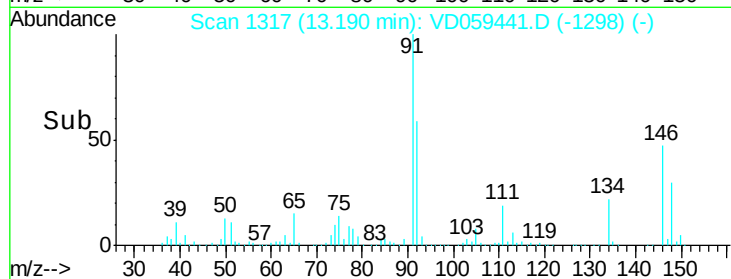
Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

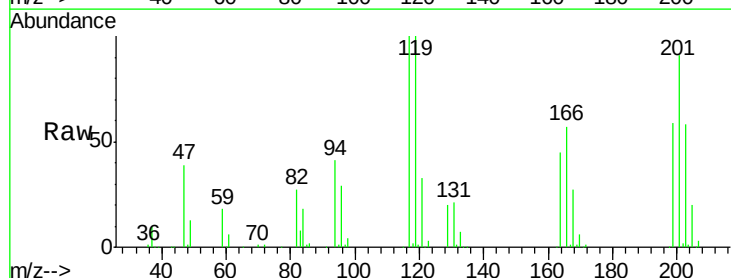


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#90
Hexachloroethane
Concen: 22.33 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

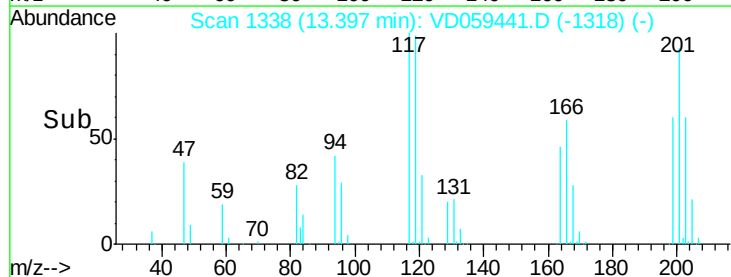
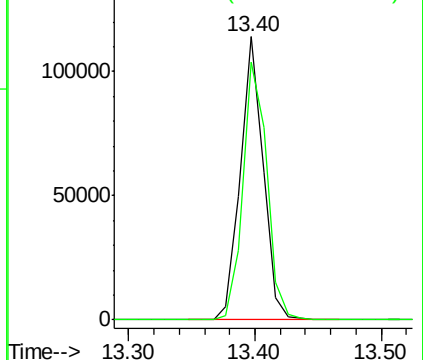
Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	40.1	120.3

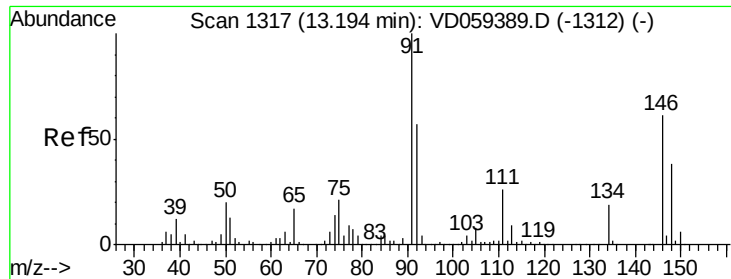


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





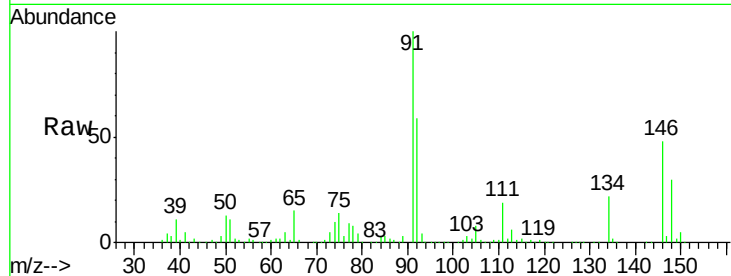
#91
 1,2-Dichlorobenzene
 Concen: 22.74 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

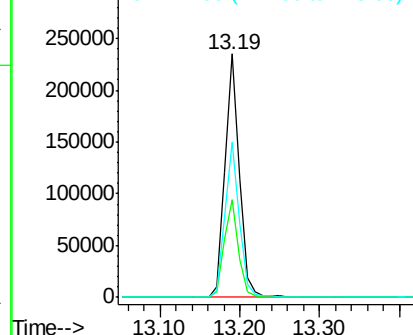
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.4	64.2
148	64.0	31.6	95.0

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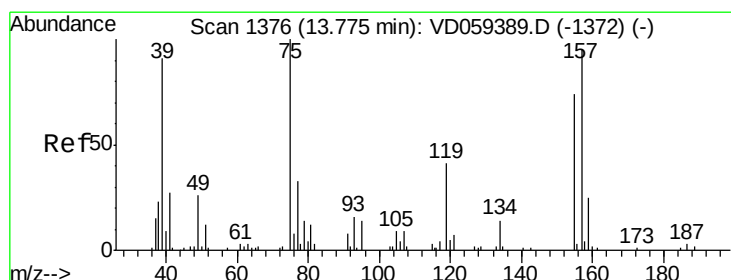
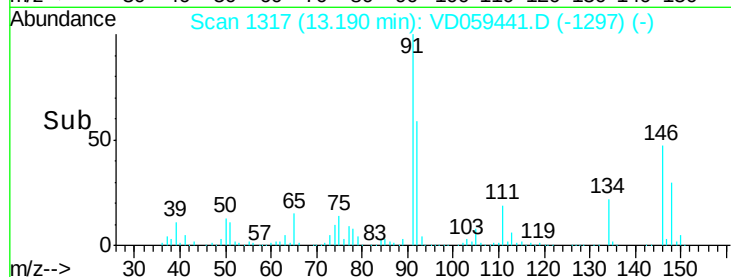
apatel



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

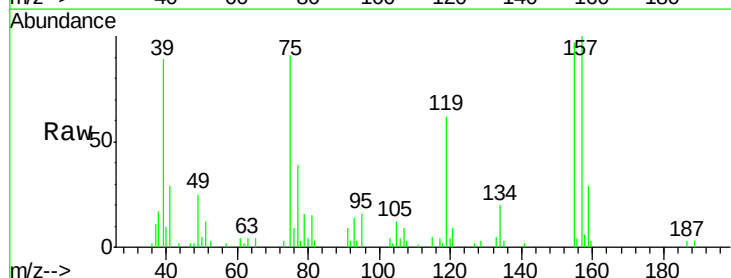


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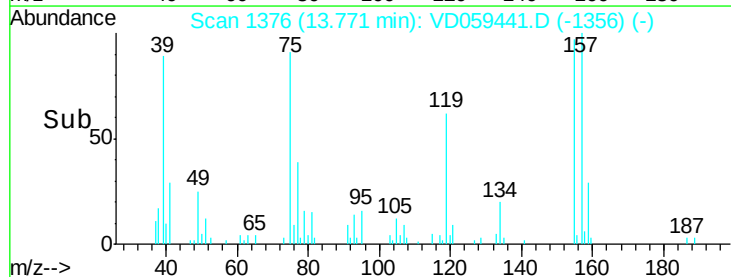
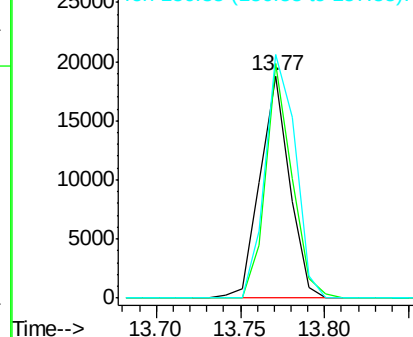


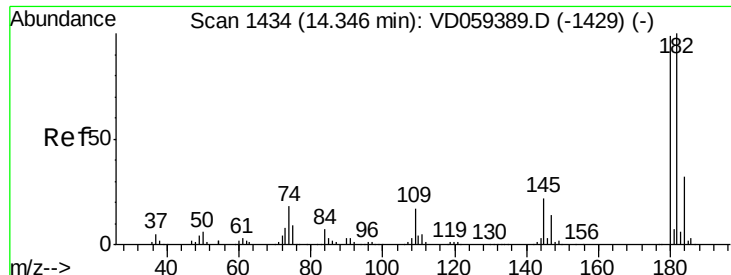
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.8	37.2	111.6
157	109.7	47.4	142.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





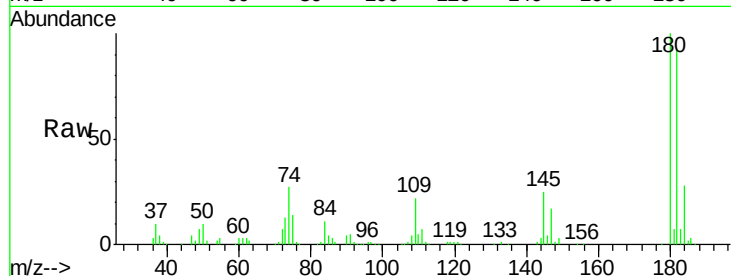
#93
 1,2,4-Trichlorobenzene
 Concen: 23.27 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBSD01

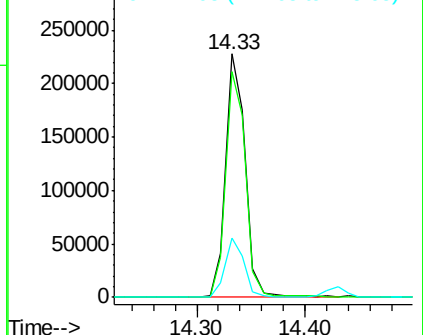
Tot Ion	Ratio	Resp	Lower	Upper
180	100	287189		
182	92.7	50.4	151.2	
145	24.6	11.0	33.0	

Manual Integrations
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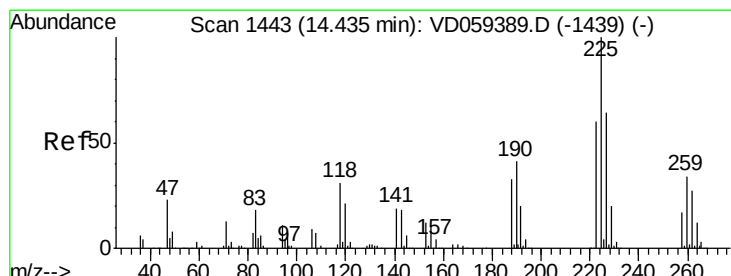
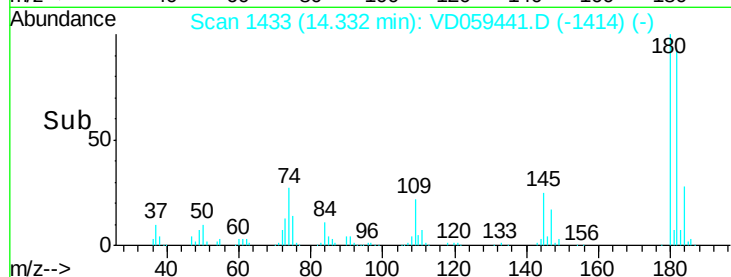
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Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

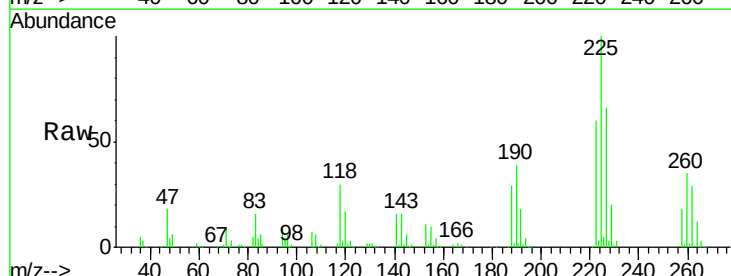


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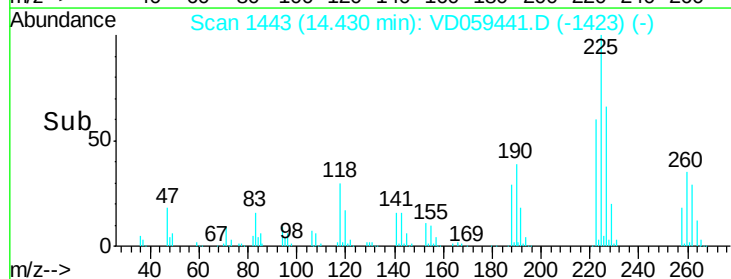
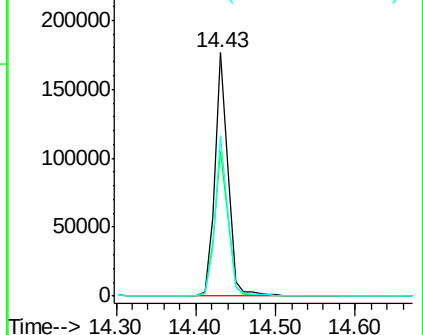


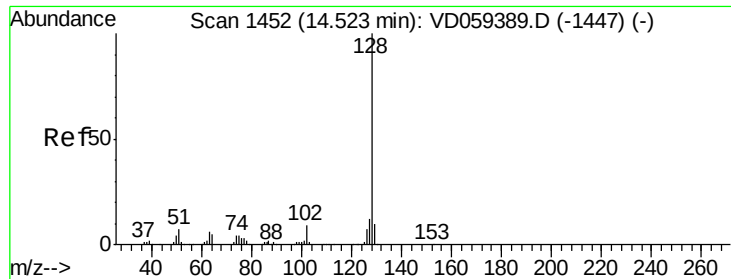
#94
 Hexachlorobutadiene
 Concen: 22.44 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059441.D
 Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	208370		
223	59.8	30.0	90.1	
227	66.0	32.1	96.5	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





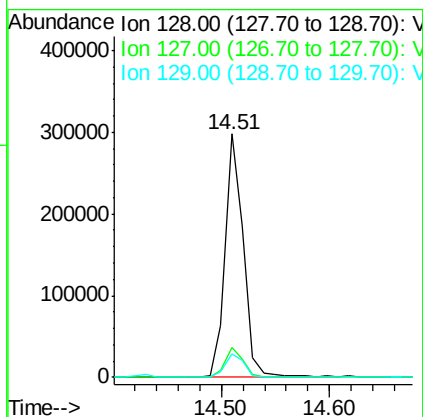
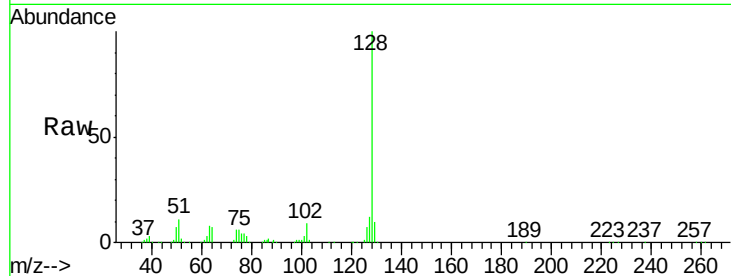
#95
Naphthalene
Concen: 20.29 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Instrument :
MSVOA_D
ClientSampleId :
VD0627SBSD01

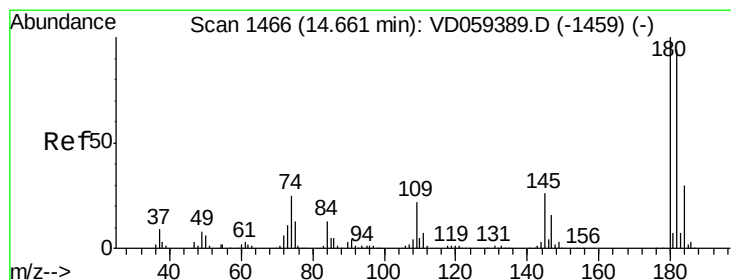
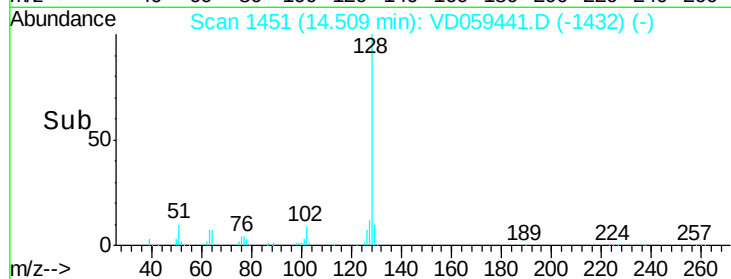
Tot Ion	Ratio	Resp	Lower	Upper
128	100	348987		
127	12.4		9.6	14.4
129	9.7		8.2	12.2

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#96
1,2,3-Trichlorobenzene
Concen: 21.01 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059441.D
Acq: 27 Jun 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	233125		
182	97.0		47.1	141.4
145	26.6		13.1	39.3

