

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059850.D
 Acq On : 21 Aug 2018 12:35
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:37 PM

Quant Time: Aug 22 01:21:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1167873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1630895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1294234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	624546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	461658	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.50	113	624159	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	8.67	98	1661655	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.91	95	627980	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	181365	18.03	ug/l	97
3) Chloromethane	1.46	50	140276	16.46	ug/l	100
4) Vinyl Chloride	1.54	62	119336	17.47	ug/l	97
5) Bromomethane	1.76	94	12559	13.99	ug/l	85
6) Chloroethane	1.85	64	25252	16.34	ug/l	94
7) Trichlorofluoromethane	2.06	101	127529	18.55	ug/l	98
8) Diethyl Ether	2.31	74	29055	18.91	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.52	101	93623	21.41	ug/l	97
10) Methyl Iodide	2.66	142	70448	14.50	ug/l	99
11) Tert butyl alcohol	3.22	59	29880	86.48	ug/l	96
12) 1,1-Dichloroethene	2.51	96	67739	18.93	ug/l	90
13) Acrolein	2.44	56	26820	76.54	ug/l	97
14) Allyl chloride	2.88	41	163405	17.87	ug/l	99
15) Acrylonitrile	3.33	53	149501	93.48	ug/l	97
16) Acetone	2.58	43	149635	95.52	ug/l	97
17) Carbon Disulfide	2.73	76	181889	15.26	ug/l	96
18) Methyl Acetate	2.89	43	52911	15.21	ug/l #	92
19) Methyl tert-butyl Ether	3.37	73	367320	18.18	ug/l	97
20) Methylene Chloride	3.03	84	81054	14.56	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	177783	17.63	ug/l	95
22) Diisopropyl ether	4.03	45	879086	18.82	ug/l	98
23) Vinyl Acetate	3.98	43	2404918	95.85	ug/l	100
24) 1,1-Dichloroethane	3.93	63	377866	18.40	ug/l	100
25) 2-Butanone	4.79	43	399736	84.42	ug/l	98
26) 2,2-Dichloropropane	4.75	77	317936	19.73	ug/l	99
27) cis-1,2-Dichloroethene	4.75	96	240317	19.66	ug/l	96
28) Bromochloromethane	5.10	49	200509	19.27	ug/l	99
29) Tetrahydrofuran	5.14	42	215195	89.75	ug/l	99
30) Chloroform	5.28	83	394860	19.48	ug/l	100
31) Cyclohexane	5.55	56	326791	16.83	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	324963	19.02	ug/l	99
36) 1,1-Dichloropropene	5.70	75	274469	19.84	ug/l	98
37) Ethyl Acetate	4.88	43	192746	18.80	ug/l	99
38) Carbon Tetrachloride	5.68	117	278063	20.14	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	277154	18.73	ug/l	97
40) Benzene	5.97	78	708504	19.77	ug/l	99
41) Methacrylonitrile	5.08	41	100789	19.19	ug/l	97
42) 1,2-Dichloroethane	6.08	62	223310	19.14	ug/l	99
43) Isopropyl Acetate	7.58	43	251862	17.76	ug/l #	96
44) Trichloroethene	6.94	130	208570	19.57	ug/l	98
45) 1,2-Dichloropropane	7.31	63	203961	19.38	ug/l	99
46) Dibromomethane	7.42	93	125132	19.10	ug/l	96
47) Bromodichloromethane	7.71	83	284198	19.65	ug/l	98
48) Methyl methacrylate	7.46	41	141186	18.05	ug/l	97
49) 1,4-Dioxane	7.45	88	26123	394.67	ug/l	100
51) 4-Methyl-2-Pentanone	8.56	43	820635	86.56	ug/l	98
52) Toluene	8.76	92	457037	20.17	ug/l	97
53) t-1,3-Dichloropropene	9.15	75	257017	19.51	ug/l	98
54) cis-1,3-Dichloropropene	8.33	75	295979	18.76	ug/l	100
55) 1,1,2-Trichloroethane	9.42	97	165120	20.19	ug/l	97
56) Ethyl methacrylate	9.27	69	179846	19.07	ug/l	98
57) 1,3-Dichloropropane	9.63	76	232089	19.41	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.15	63	513236	93.34	ug/l	97
59) 2-Hexanone	9.75	43	617255	88.08	ug/l	100
60) Dibromochloromethane	9.92	129	204055	19.37	ug/l	97
61) 1,2-Dibromoethane	10.06	107	164454	18.82	ug/l	98
64) Tetrachloroethene	9.48	164	188398	19.88	ug/l	97
65) Chlorobenzene	10.69	112	518170	20.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	183235	21.51	ug/l	98
67) Ethyl Benzene	10.83	91	869923	19.43	ug/l	97
68) m/p-Xylenes	10.98	106	636512	38.78	ug/l	96
69) o-Xylene	11.38	106	316955	21.91	ug/l	99
70) Styrene	11.41	104	545837	21.67	ug/l	98
71) Bromoform	11.57	173	147986	19.33	ug/l	98
73) Isopropylbenzene	11.75	105	856641	20.13	ug/l	100
74) N-amyl acetate	11.62	43	338100	17.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.06	83	180331	17.98	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	185900	17.99	ug/l	99
77) Bromobenzene	12.02	156	231866	19.60	ug/l	90
78) n-propylbenzene	12.14	91	1102069	20.85	ug/l	99
79) 2-Chlorotoluene	12.19	91	590090	19.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.30	105	664762	18.95	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.82	75	54982	17.02	ug/l	93
82) 4-Chlorotoluene	12.30	91	671107	19.39	ug/l	97
83) tert-Butylbenzene	12.56	119	656800m	19.56	ug/l	
84) 1,2,4-Trimethylbenzene	12.61	105	690221	19.71	ug/l	99
85) sec-Butylbenzene	12.74	105	919453	20.65	ug/l	98
86) p-Isopropyltoluene	12.86	119	704735	20.18	ug/l	99
87) 1,3-Dichlorobenzene	12.82	146	408300	20.50	ug/l	96
88) 1,4-Dichlorobenzene	12.90	146	415769	21.06	ug/l	96
89) n-Butylbenzene	13.18	91	726989	19.04	ug/l	100
90) Hexachloroethane	13.38	117	186972	18.76	ug/l	73
91) 1,2-Dichlorobenzene	13.17	146	347045	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	25578	17.13	ug/l	62

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Quant Time: Aug 22 01:21:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	292812	20.48	ug/l	100
94) Hexachlorobutadiene	14.42	225	197082	20.49	ug/l	96
95) Naphthalene	14.50	128	438576	18.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	250838	20.02	ug/l	97

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

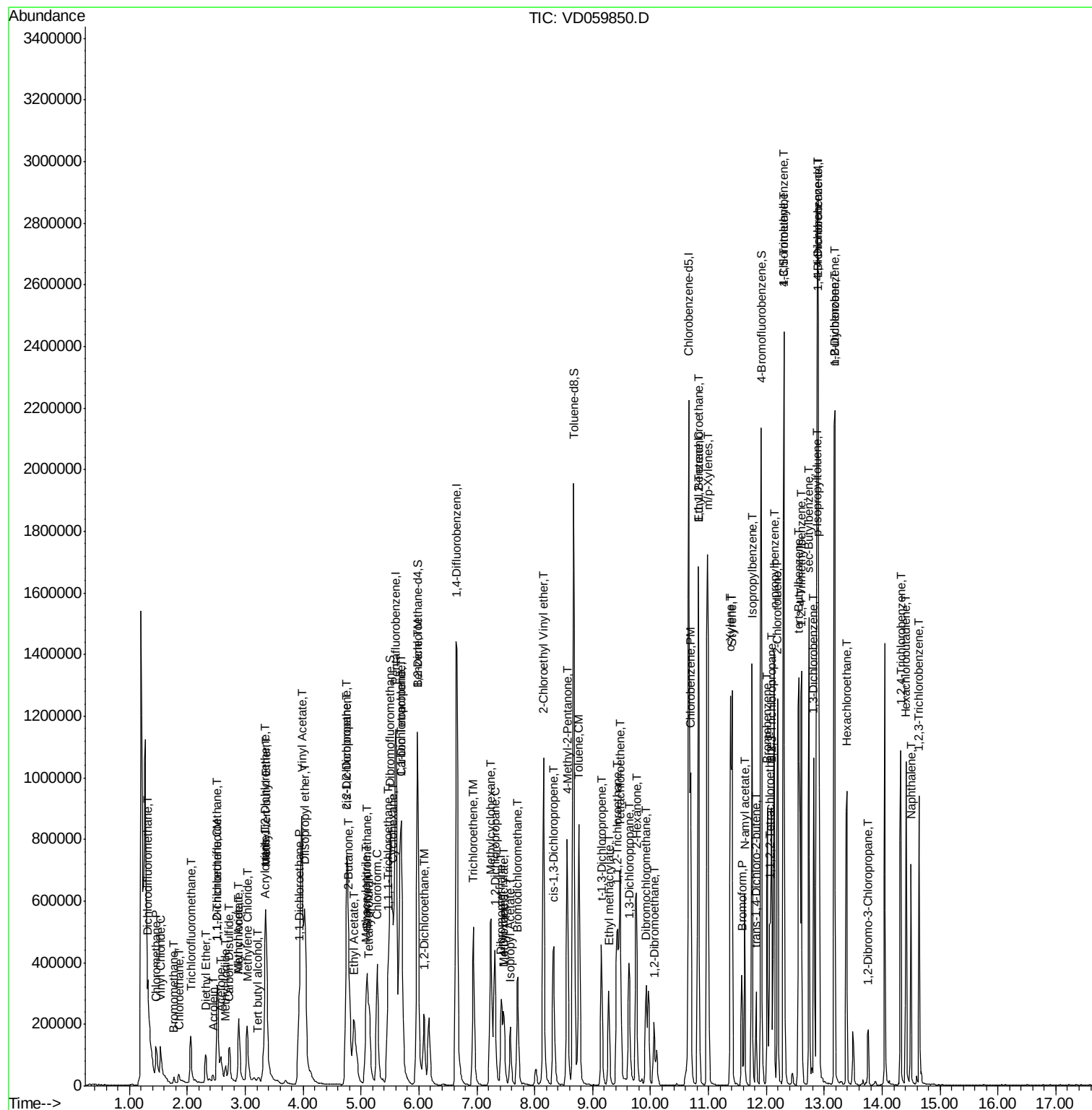
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Data File : VD059850.D
Acq On : 21 Aug 2018 12:35
Operator : JC/SY
Sample : VD0821SBS01
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ALS Vial : 4 Sample Multiplier: 1

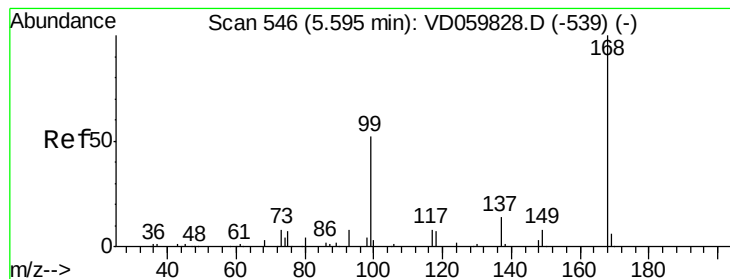
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:168 Resp: 1167873

Ion Ratio Lower Upper

168 100

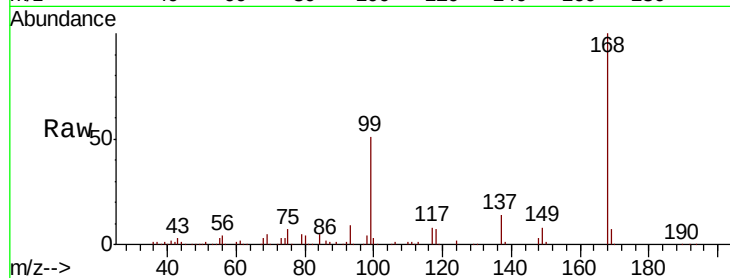
99 51.1 43.6 65.4

Manual Integrations

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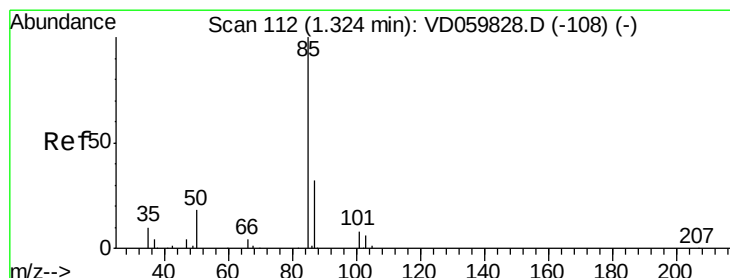
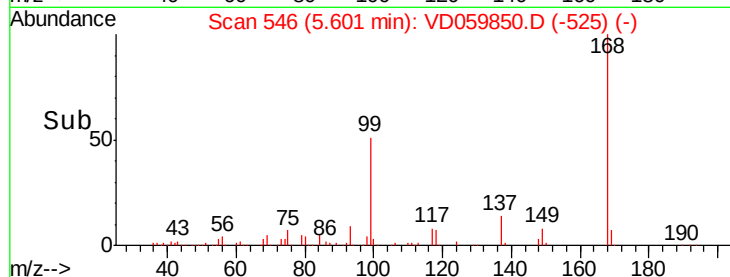
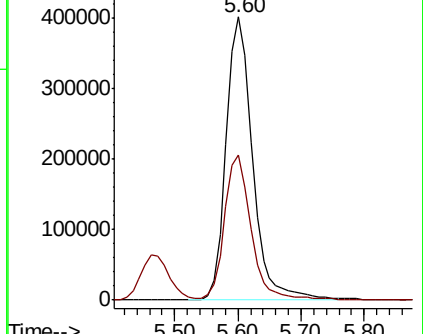
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.03 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059850.D

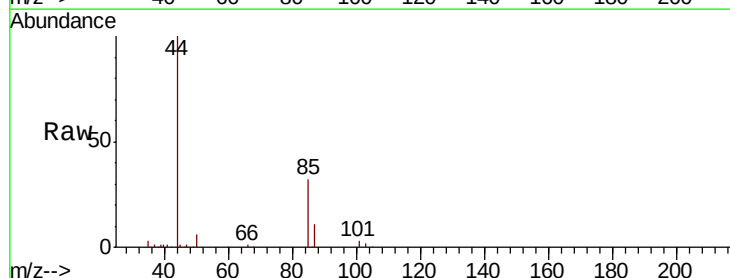
Acq: 21 Aug 2018 12:35

Tgt Ion: 85 Resp: 181365

Ion Ratio Lower Upper

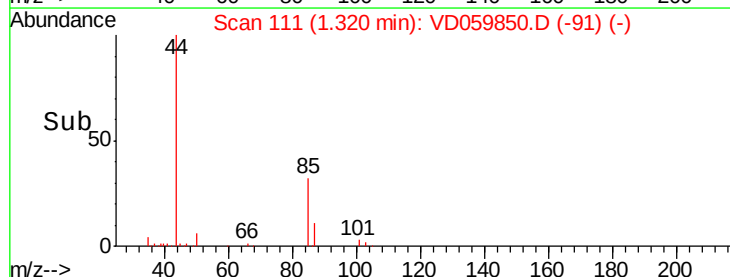
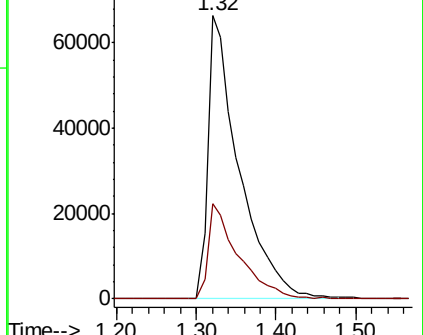
85 100

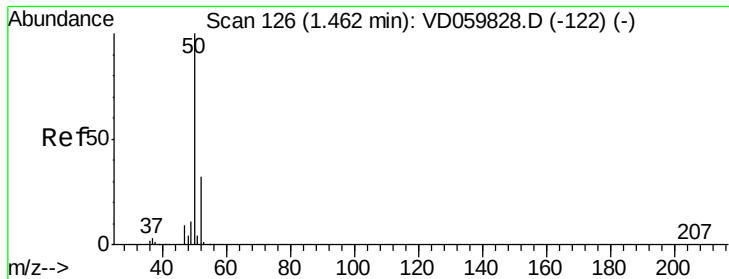
87 33.8 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.46 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 50 Resp: 140276

Ion Ratio Lower Upper

50 100

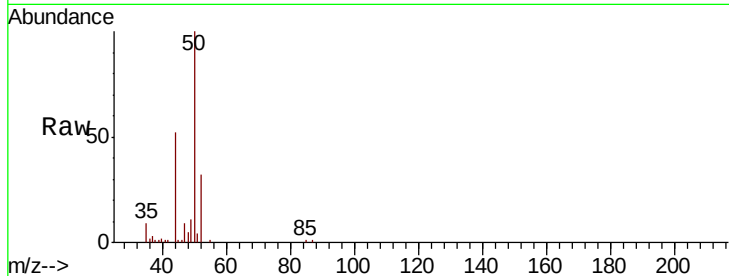
52 32.1 25.4 38.2

Manual Integrations

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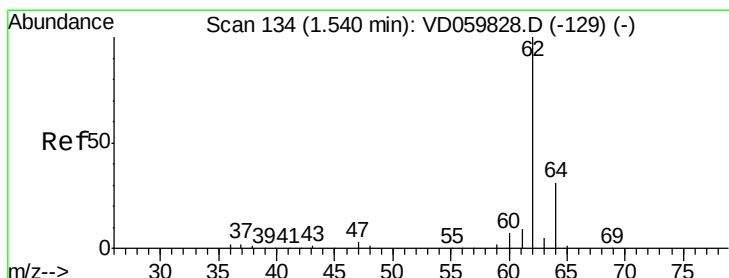
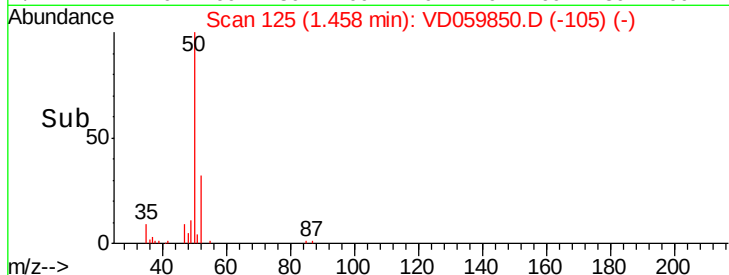
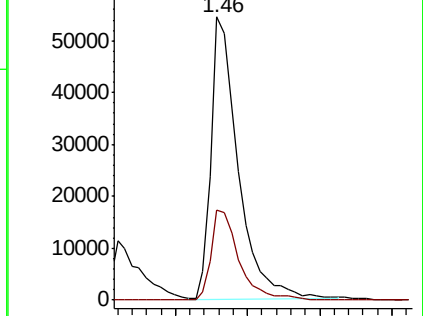
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.47 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059850.D

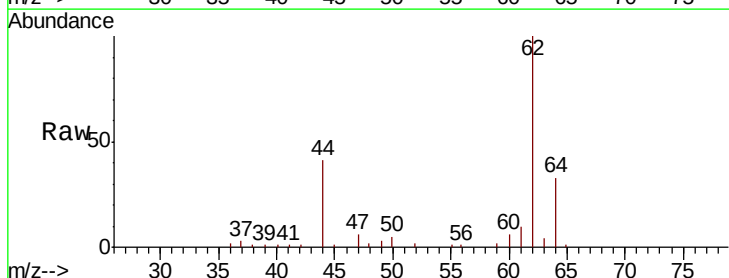
Acq: 21 Aug 2018 12:35

Tgt Ion: 62 Resp: 119336

Ion Ratio Lower Upper

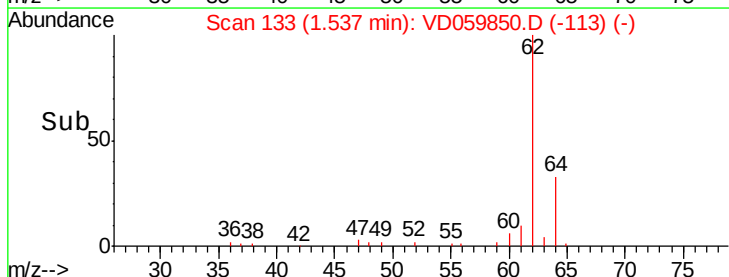
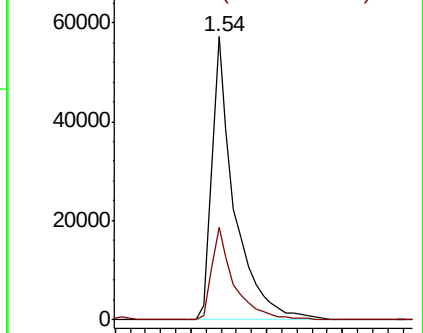
62 100

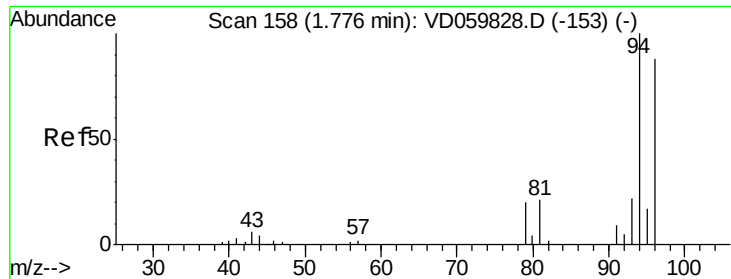
64 32.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.99 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 94 Resp: 12559

Ion Ratio Lower Upper

94 100

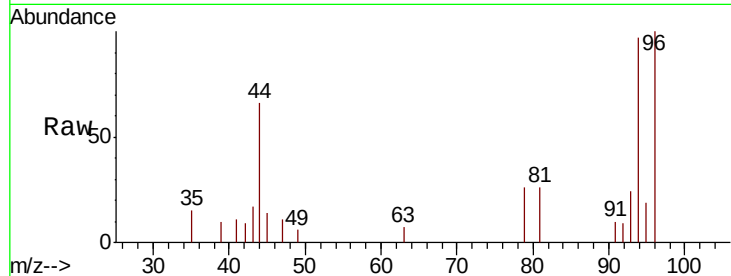
96 102.8 70.8 106.2

Manual Integrations

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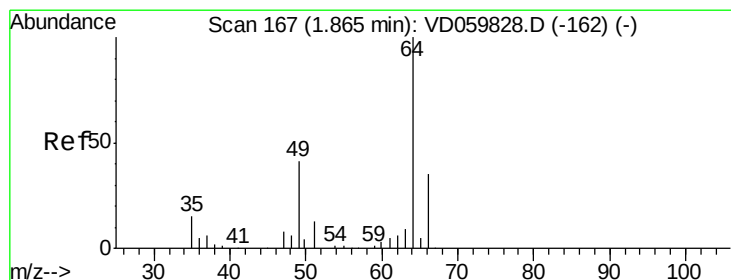
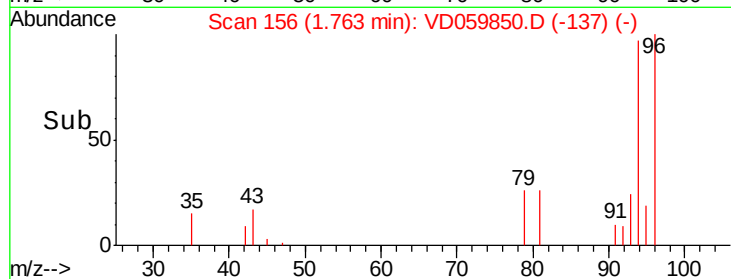
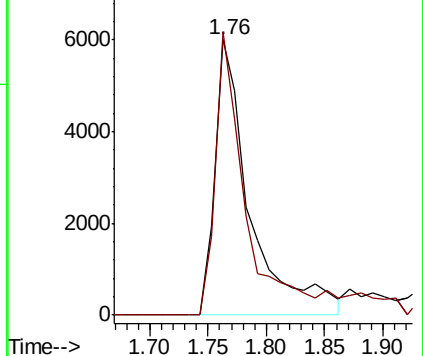
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.34 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059850.D

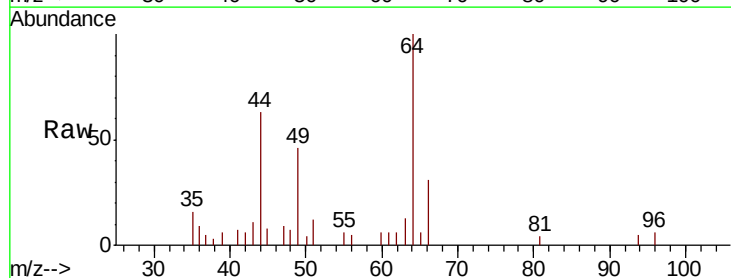
Acq: 21 Aug 2018 12:35

Tgt Ion: 64 Resp: 25252

Ion Ratio Lower Upper

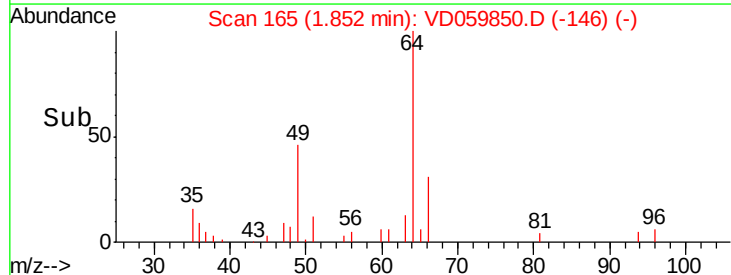
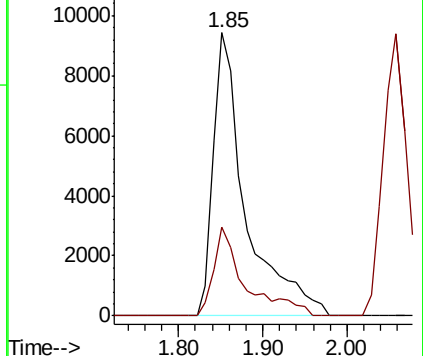
64 100

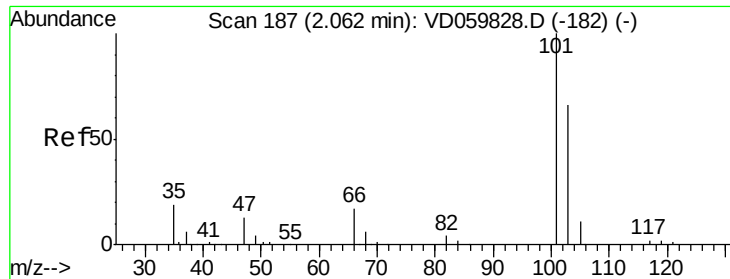
66 31.2 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

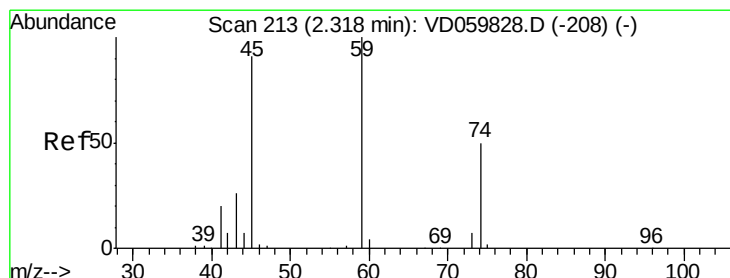
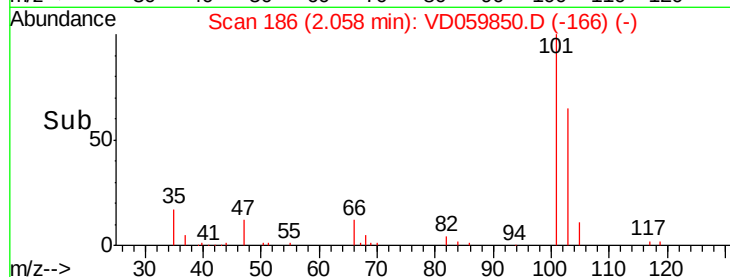
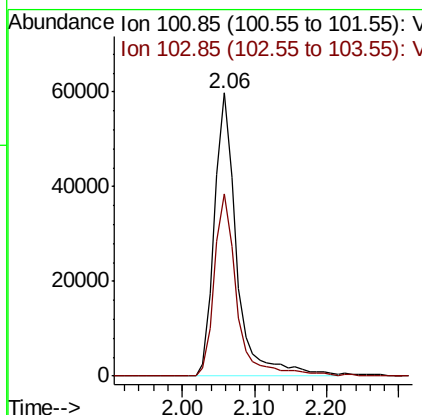
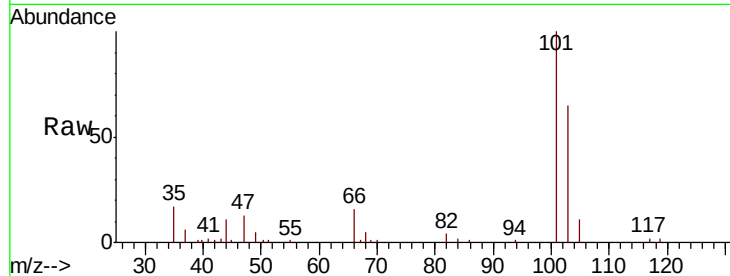
Trichlorofluoromethane
Concen: 18.55 ug/l
RT: 2.06 min Scan# 186
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 127529
Ion Ratio Lower Upper
101 100
103 64.6 53.0 79.4

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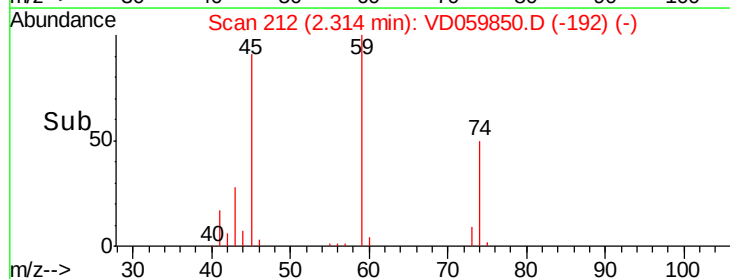
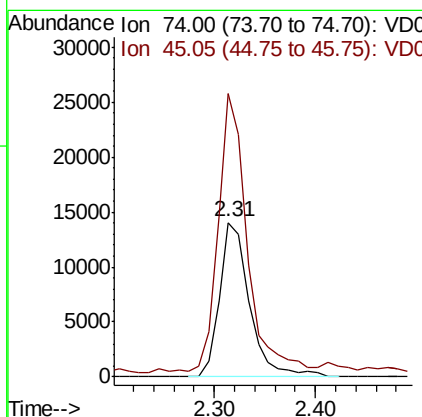
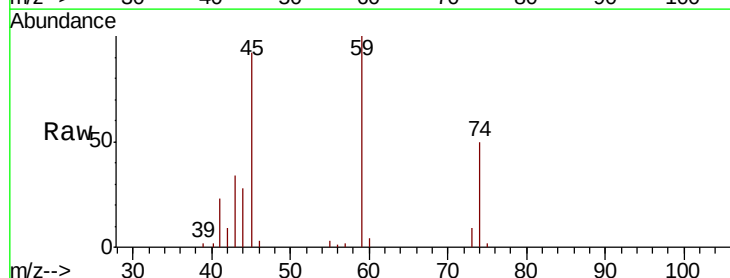
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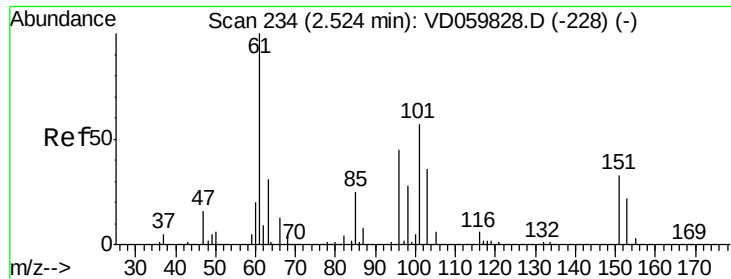


#8

Diethyl Ether
Concen: 18.91 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion: 74 Resp: 29055
Ion Ratio Lower Upper
74 100
45 183.2 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.41 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

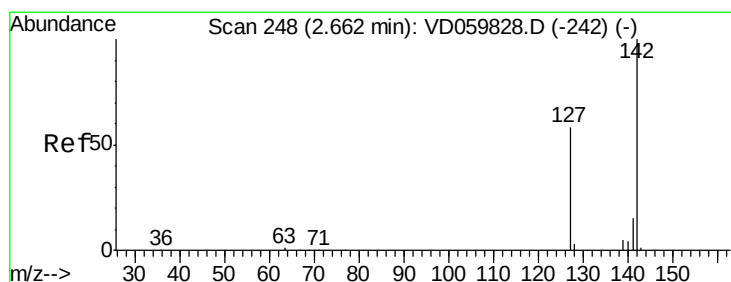
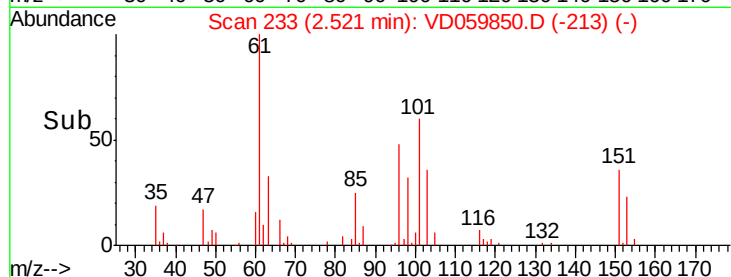
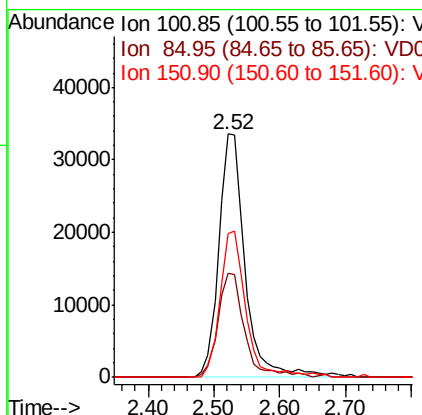
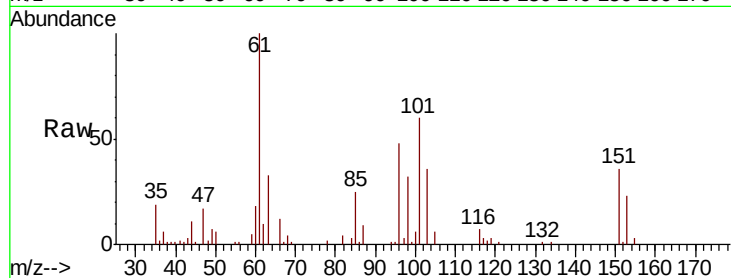
ClientSampleId :

VD0821SBS01

Tot Ion:	101	Resp:	93623
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.7	53.5
151	59.2	45.8	68.6

Manual Integrations
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apatel
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#10

Methyl Iodide

Concen: 14.50 ug/l

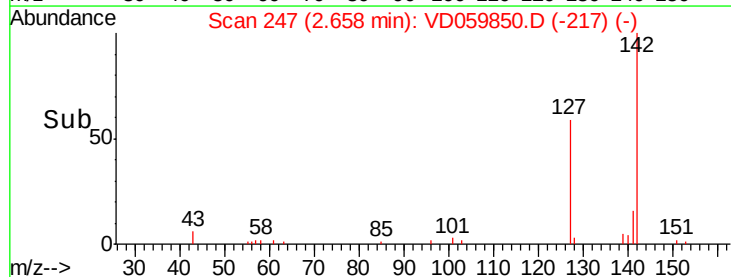
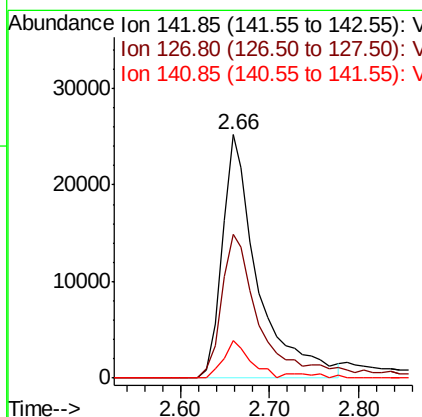
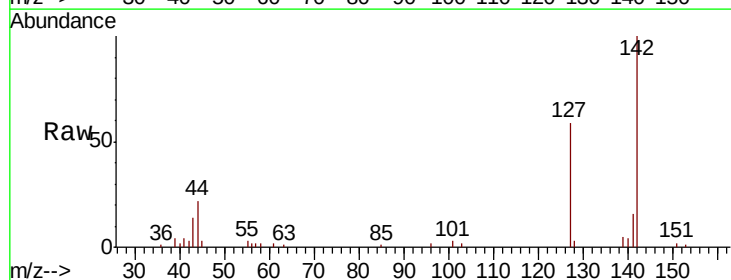
RT: 2.66 min Scan# 247

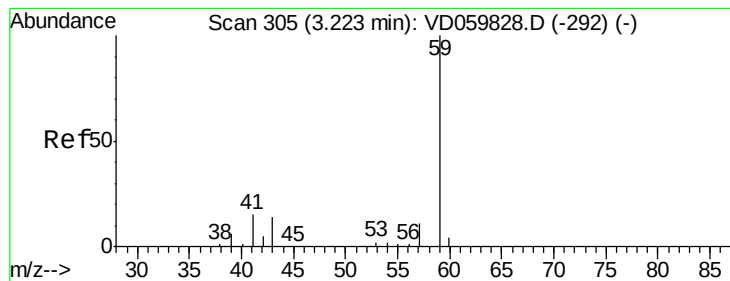
Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	142	Resp:	70448
Ion Ratio	Lower	Upper	
142	100		
127	59.0	46.6	69.8
141	15.6	11.7	17.5





#11

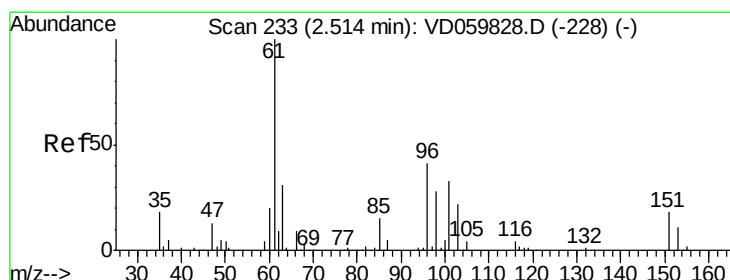
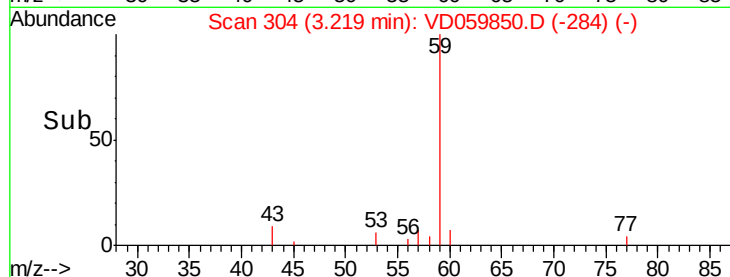
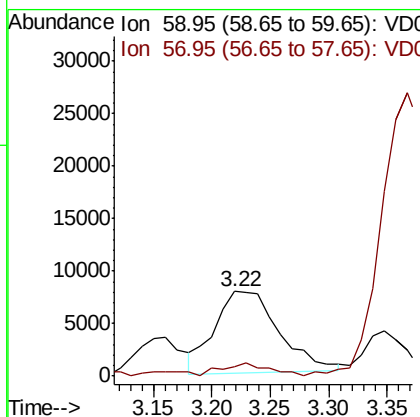
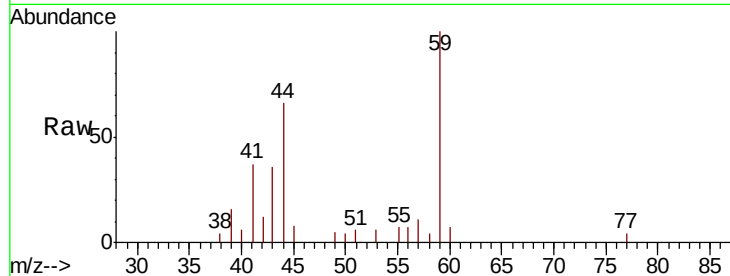
Tert butyl alcohol
Concen: 86.48 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	10.3	15.5

Manual Integrations
APPROVED

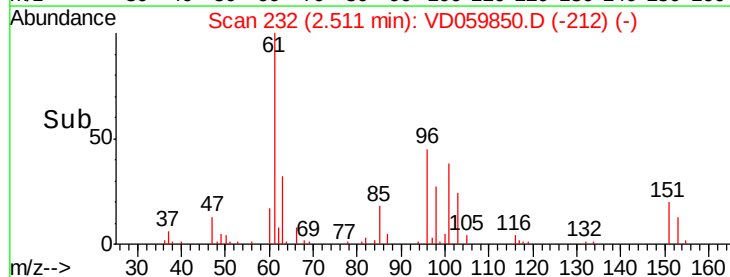
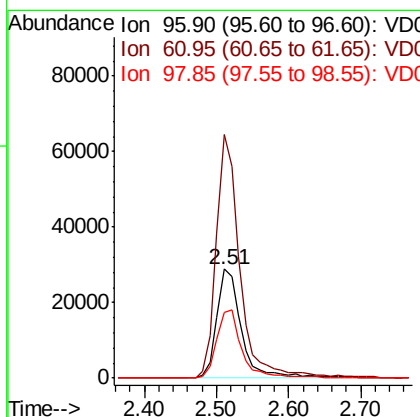
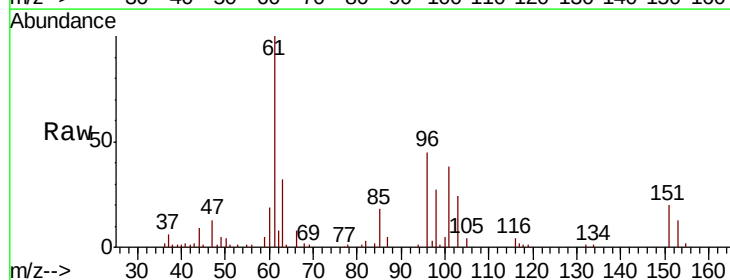
apatel
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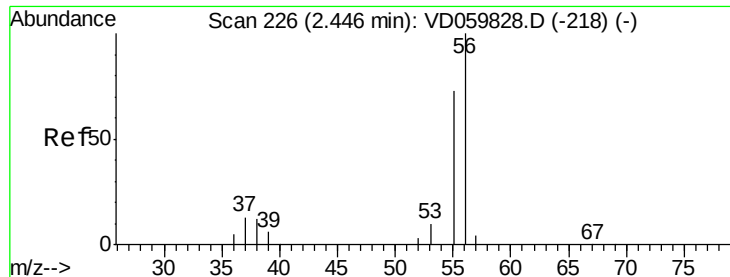


#12

1,1-Dichloroethene
Concen: 18.93 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	224.1	194.0	291.0
98	60.5	53.4	80.0





#13

Acrolein

Concen: 76.54 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 56 Resp: 26820

Ion Ratio Lower Upper

56 100

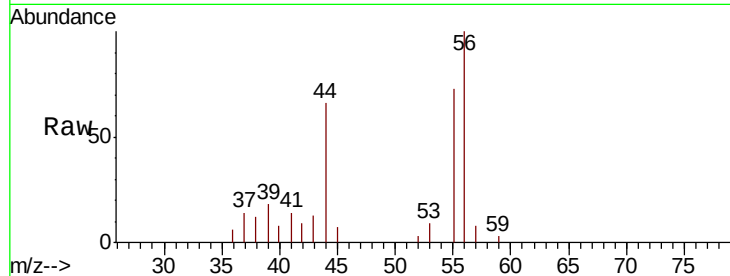
55 73.2 60.4 90.6

Manual Integrations

APPROVED

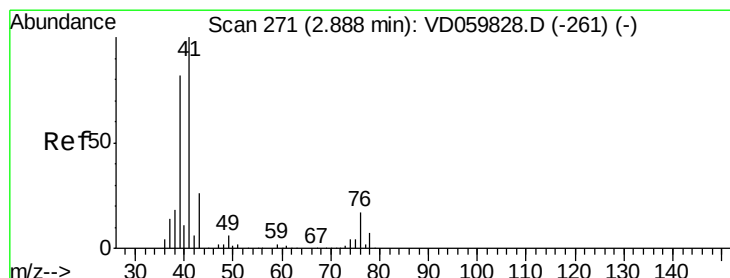
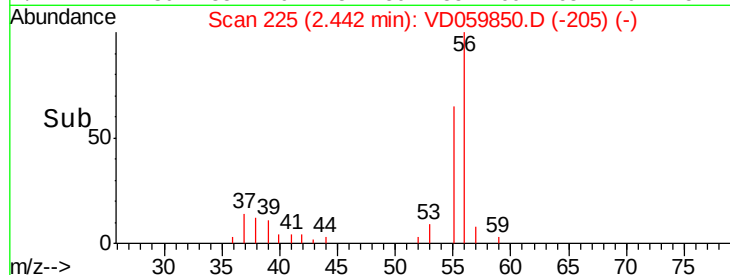
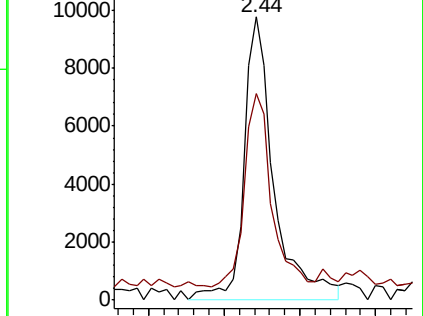
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.87 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

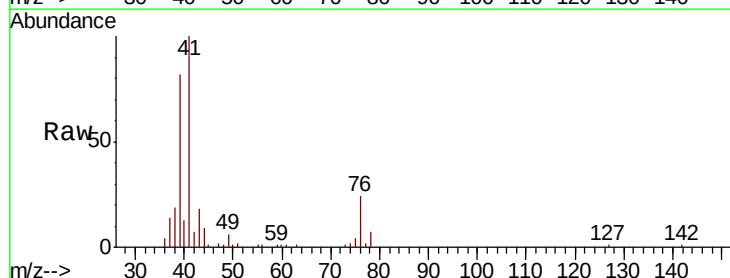
Tgt Ion: 41 Resp: 163405

Ion Ratio Lower Upper

41 100

39 81.9 65.9 98.9

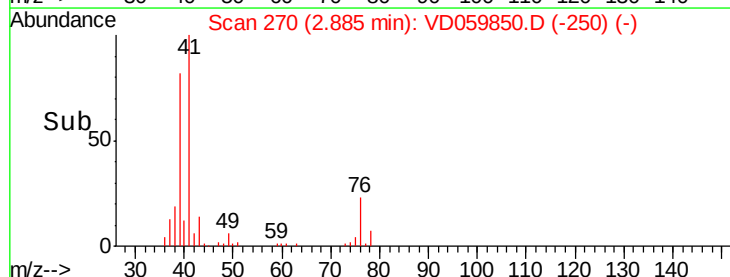
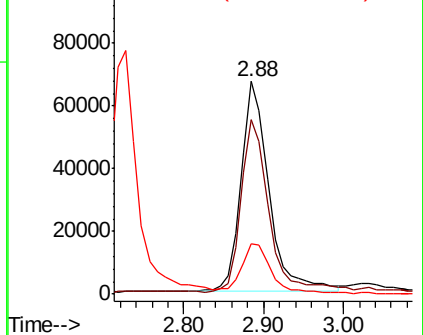
76 23.7 19.9 29.9

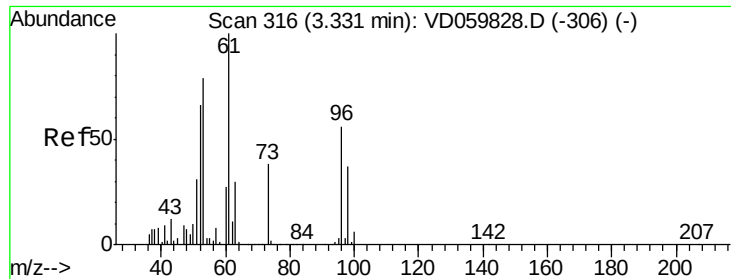


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.48 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

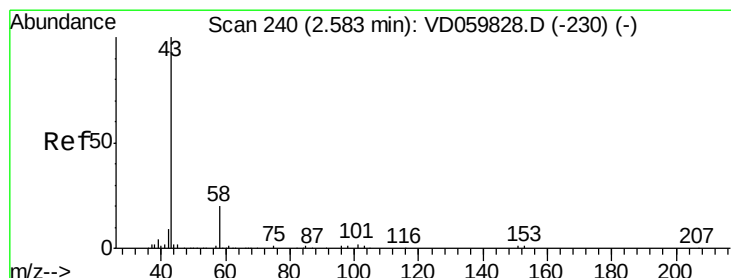
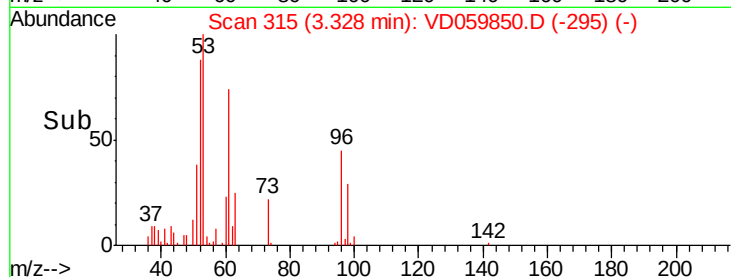
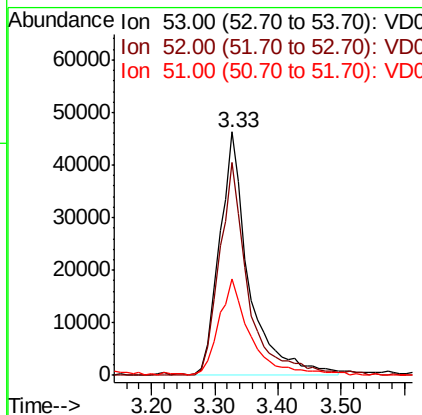
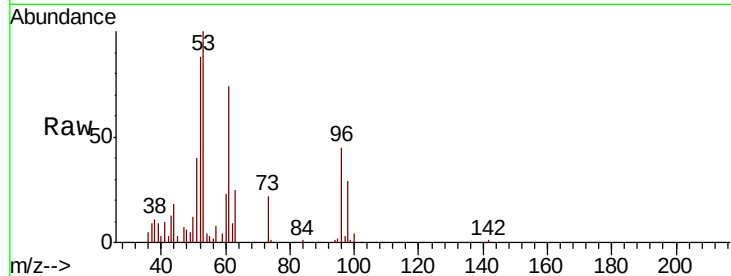
ClientSampleId :

VD0821SBS01

Tot Ion:	53	Resp:	149501
Ion	Ratio	Lower	Upper
53	100		
52	87.5	66.8	100.2
51	39.8	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 95.52 ug/l

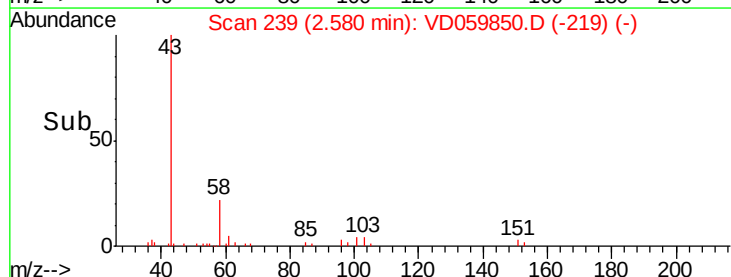
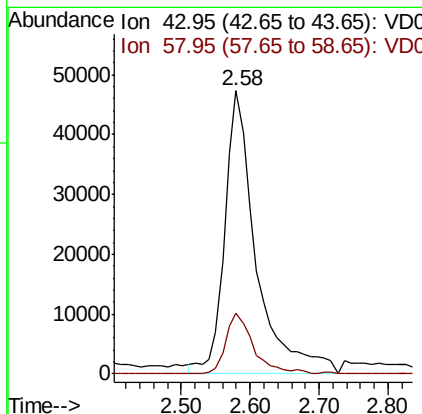
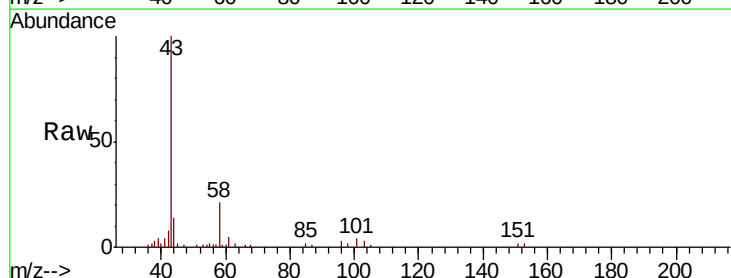
RT: 2.58 min Scan# 239

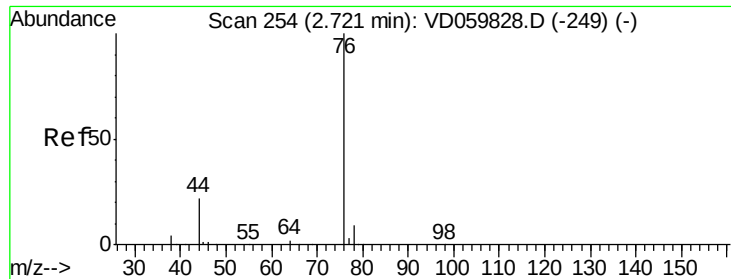
Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	43	Resp:	149635
Ion	Ratio	Lower	Upper
43	100		
58	21.4	16.2	24.2





#17

Carbon Disulfide

Concen: 15.26 ug/l

RT: 2.73 min Scan# 254

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 76 Resp: 181889

Ion Ratio Lower Upper

76 100

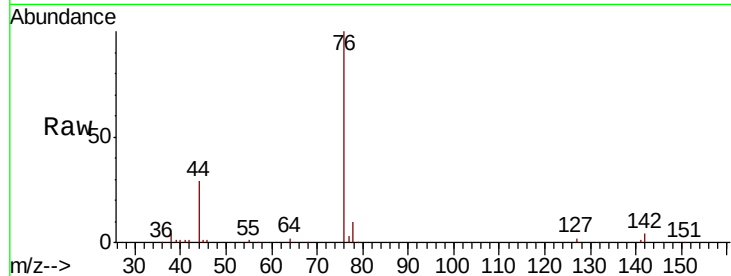
78 10.1 7.0 10.6

Manual Integrations

APPROVED

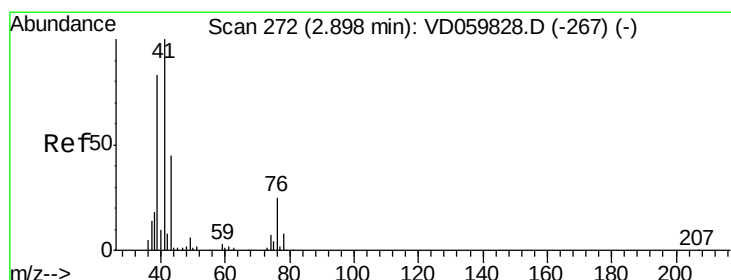
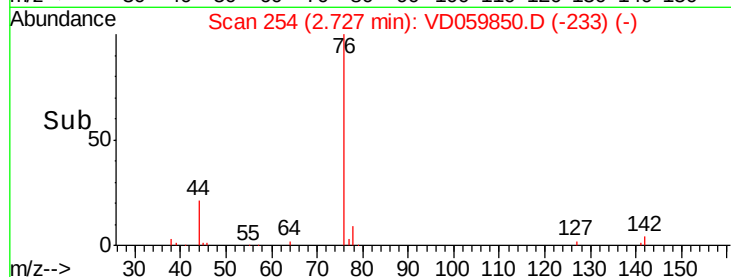
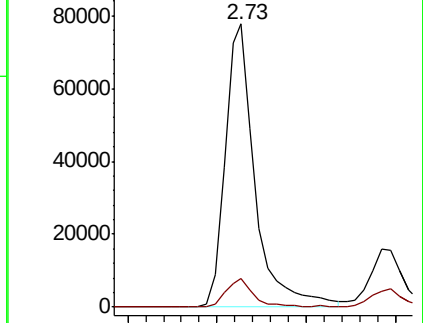
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 15.21 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD059850.D

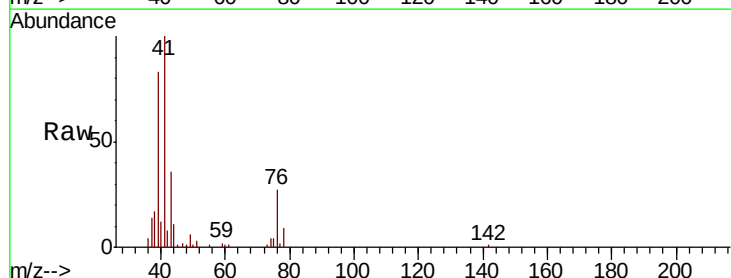
Acq: 21 Aug 2018 12:35

Tgt Ion: 43 Resp: 52911

Ion Ratio Lower Upper

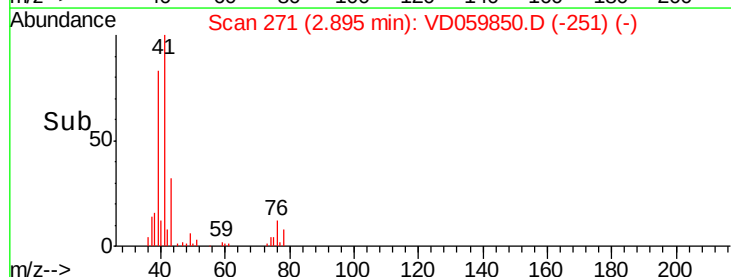
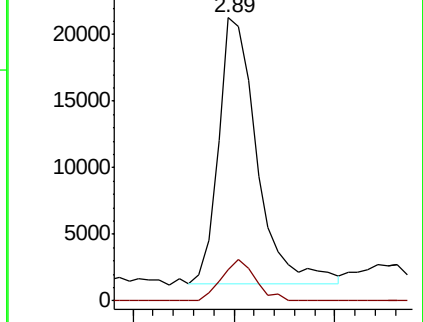
43 100

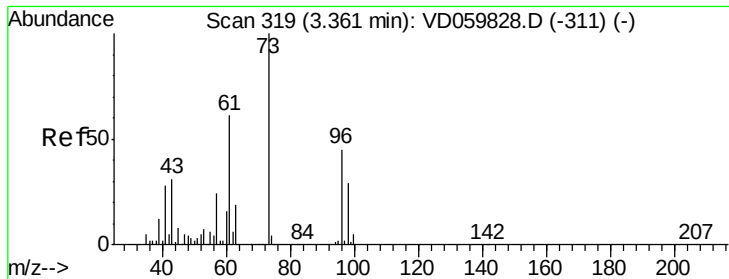
74 11.1 11.4 17.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





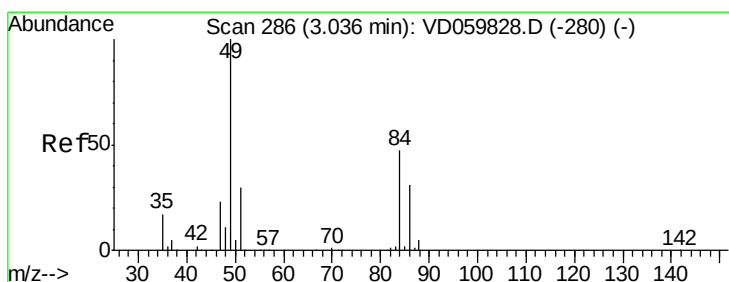
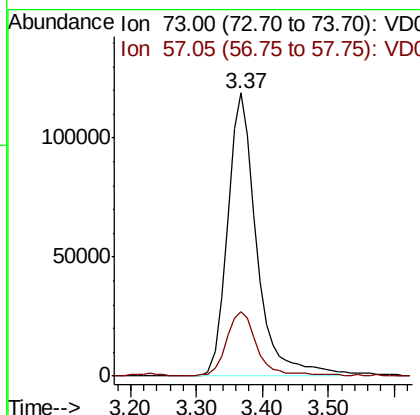
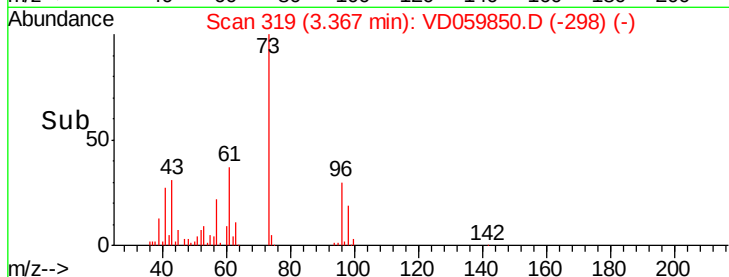
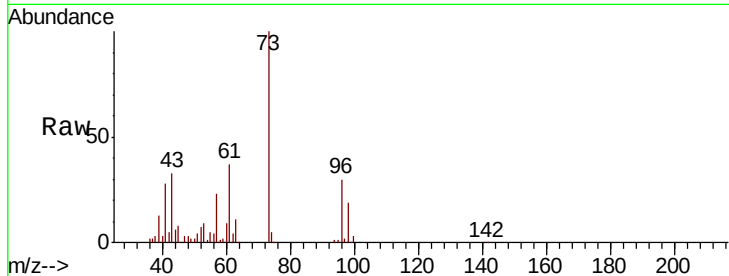
#19
Methyl tert-butyl Ether
Concen: 18.18 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampled :
VD0821SBS01

Tot Ion: 73 Resp: 367320
Ion Ratio Lower Upper
73 100
57 22.7 19.4 29.0

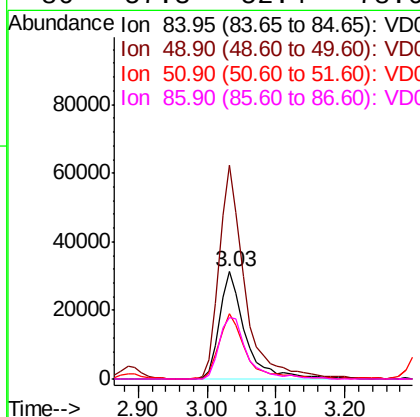
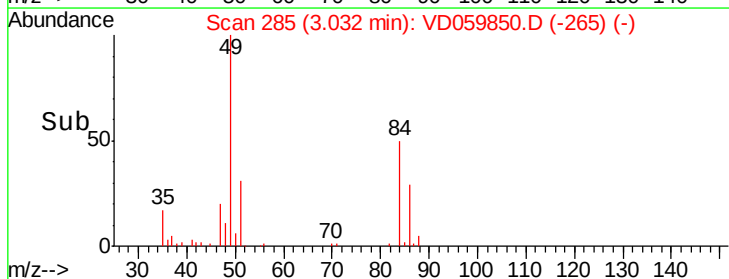
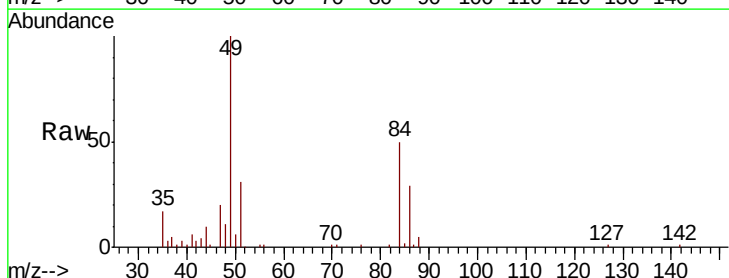
Manual Integrations
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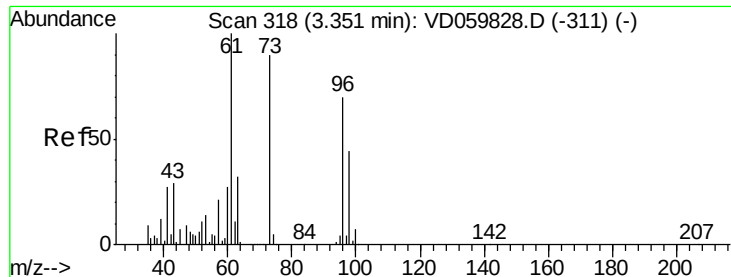
apatel
8/22/2018 12:42:37 PM



#20
Methylene Chloride
Concen: 14.56 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion: 84 Resp: 81054
Ion Ratio Lower Upper
84 100
49 198.7 170.4 255.6
51 61.1 51.4 77.0
86 57.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 17.63 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

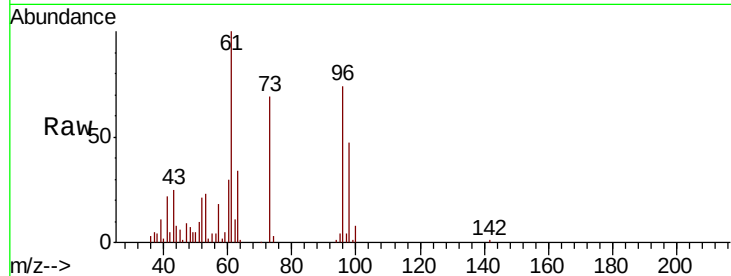
ClientSampleId :

VD0821SBS01

Tot Ion:	96	Resp:	177783
Ion	Ratio	Lower	Upper
96	100		
61	134.4	114.1	171.1
98	63.0	50.1	75.1

Manual Integrations
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apatel
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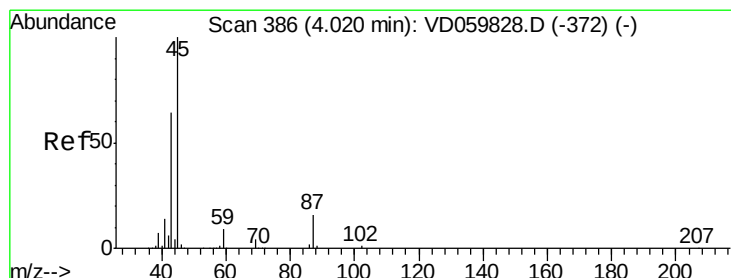
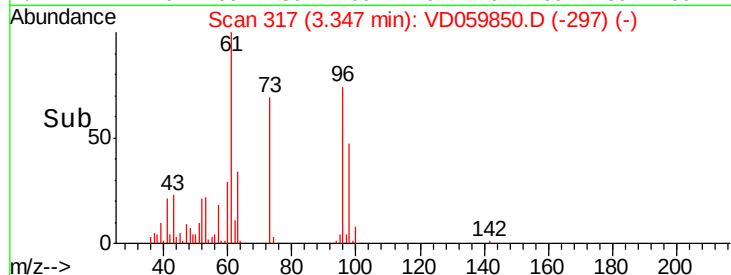
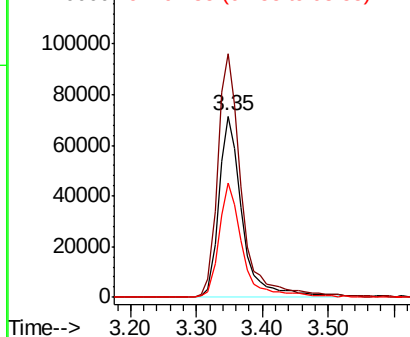


Abundance

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



#22

Diisopropyl ether

Concen: 18.82 ug/l

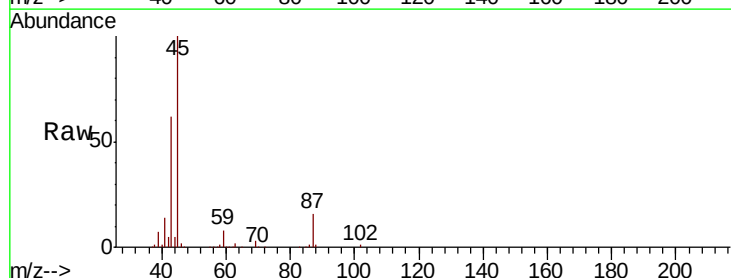
RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	45	Resp:	879086
Ion	Ratio	Lower	Upper
45	100		
43	61.7	51.1	76.7
87	15.6	12.5	18.7
59	8.1	7.1	10.7



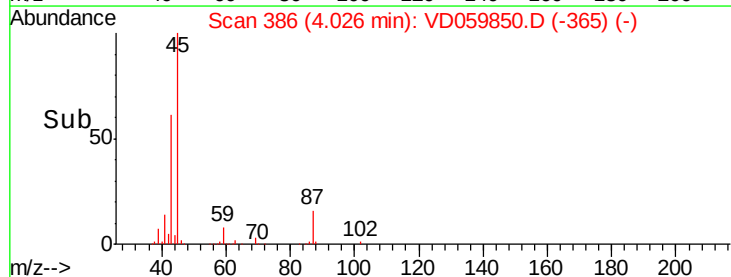
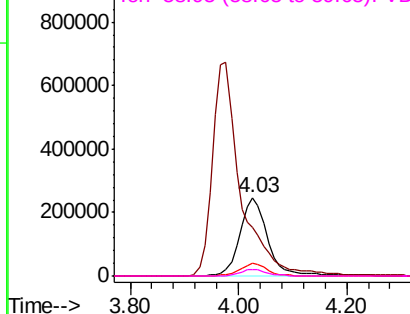
Abundance

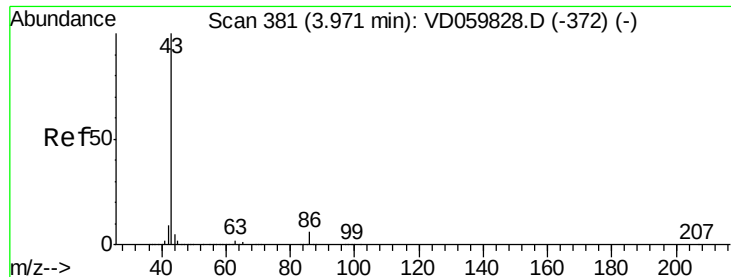
Ion 45.05 (44.75 to 45.75): VDC

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: 95.85 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 2404918

Ion Ratio Lower Upper

43 100

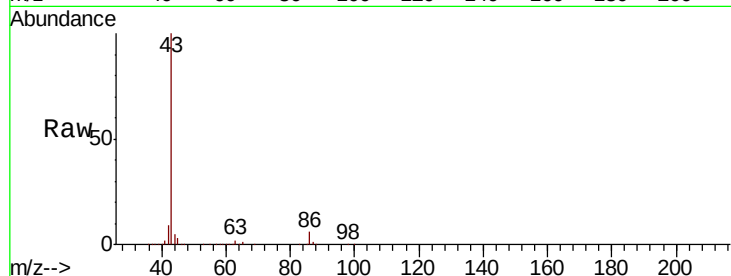
86 5.9 4.6 7.0

Manual Integrations

APPROVED

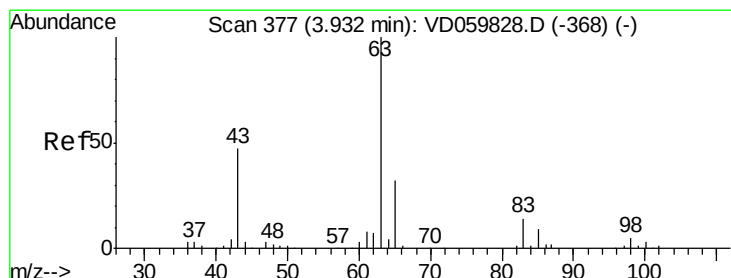
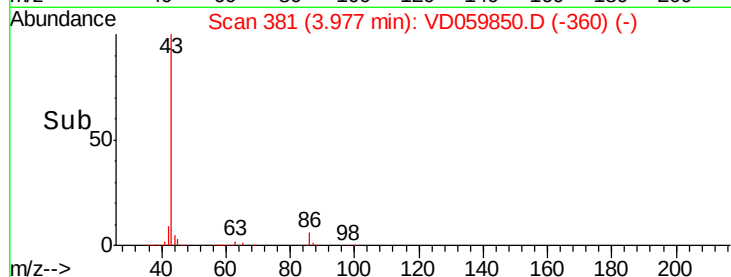
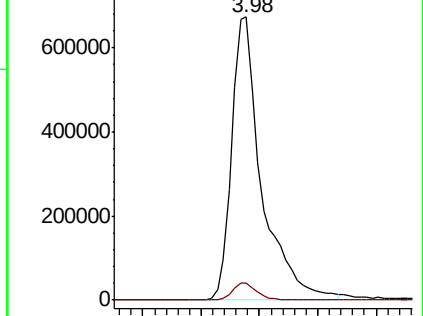
apatel

8/22/2018 12:42:37 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.40 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

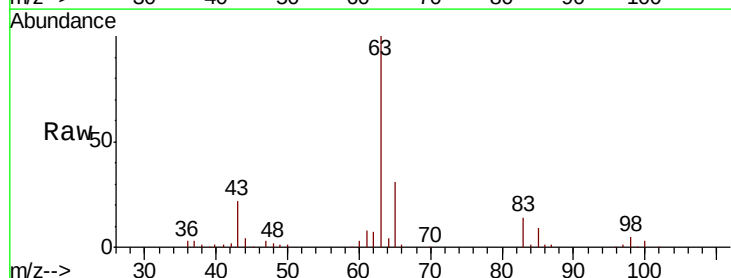
Tgt Ion: 63 Resp: 377866

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

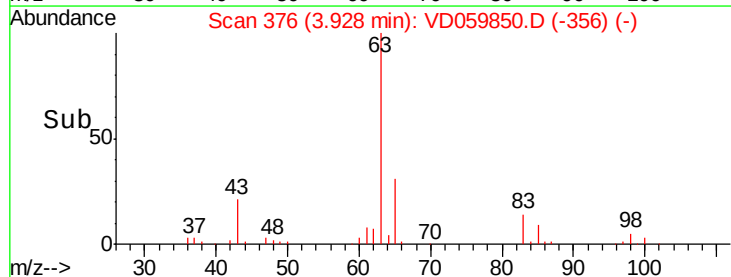
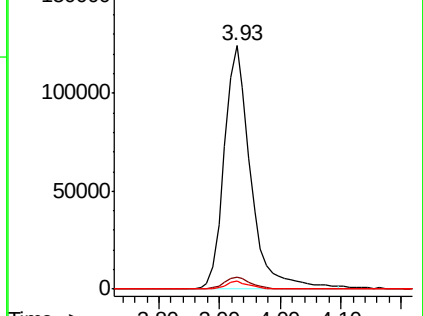
100 3.3 1.7 5.0

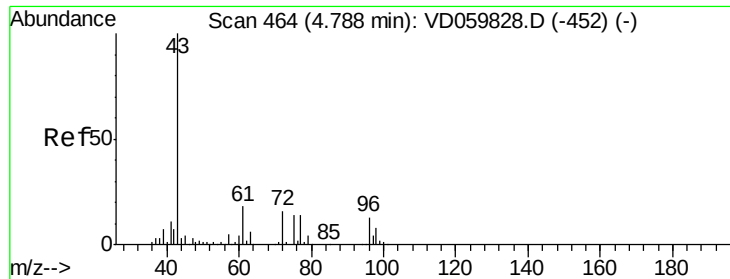


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 84.42 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 399736

Ion Ratio Lower Upper

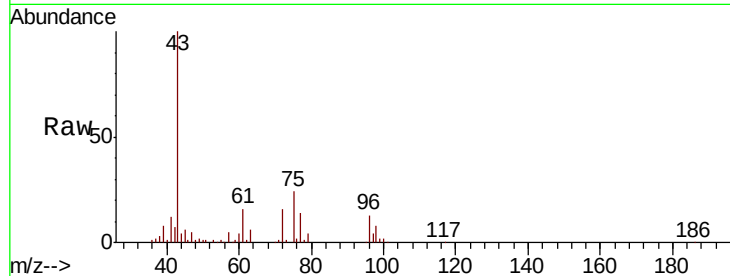
43 100

72 16.3 12.4 18.6

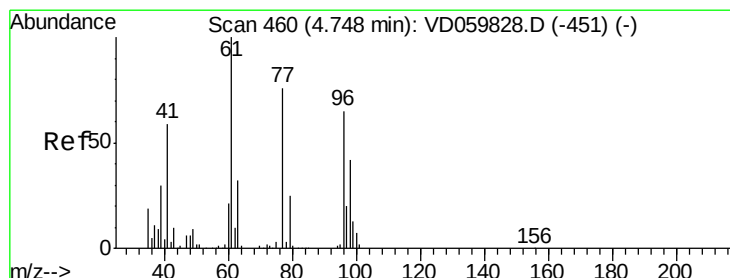
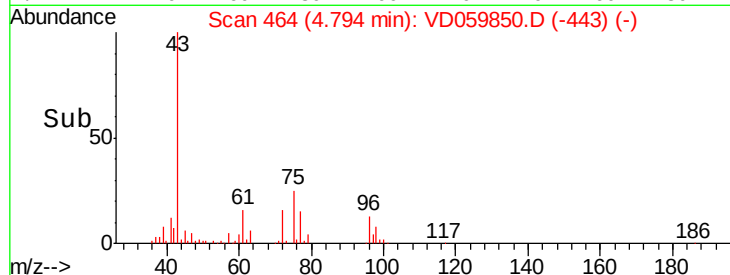
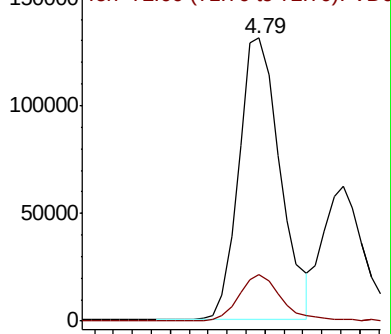
Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.73 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059850.D

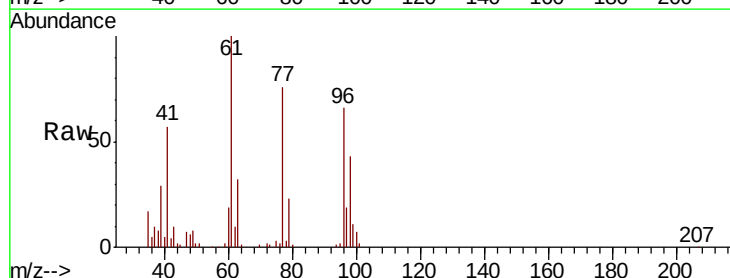
Acq: 21 Aug 2018 12:35

Tgt Ion: 77 Resp: 317936

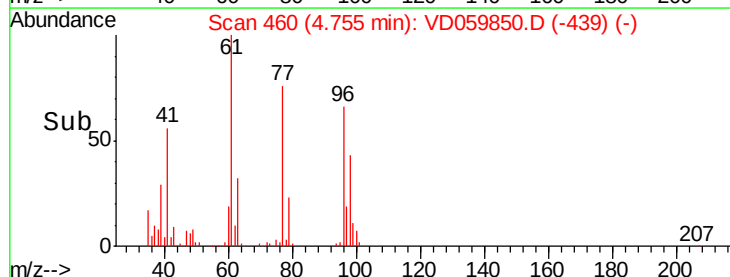
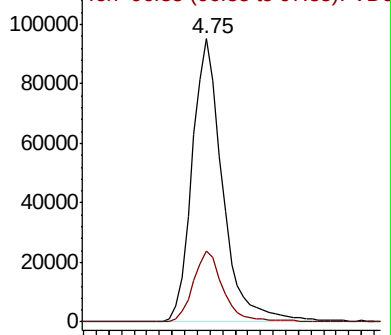
Ion Ratio Lower Upper

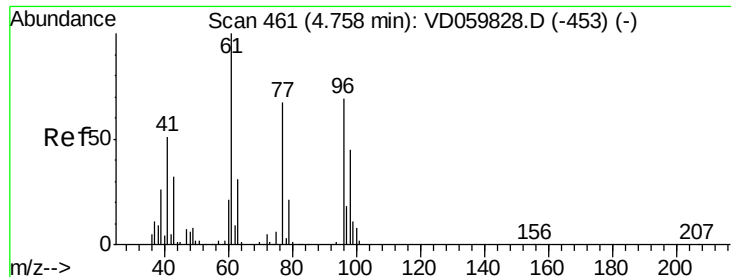
77 100

97 25.2 13.0 38.9



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: 19.66 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

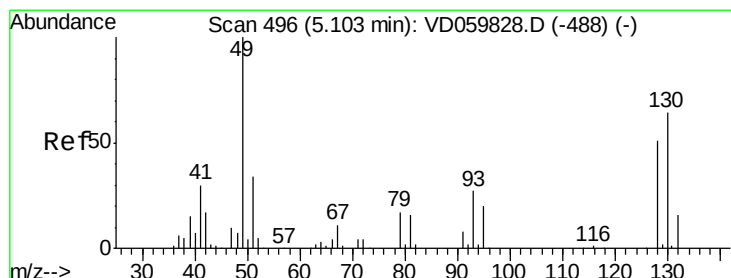
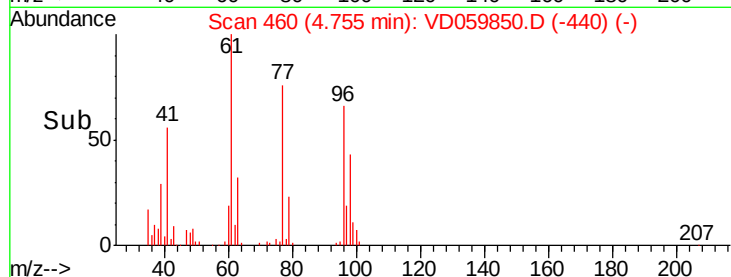
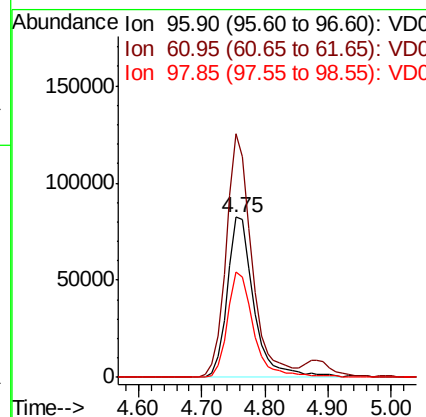
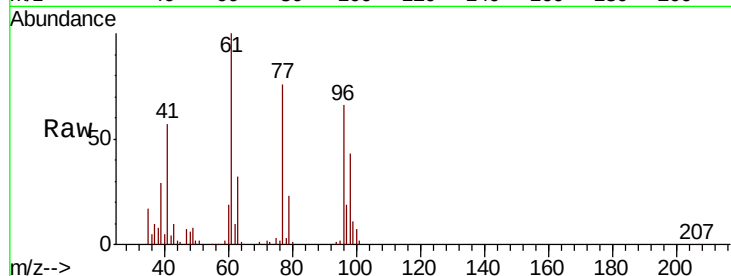
ClientSampleId :

VD0821SBS01

Tot Ion:	96	Resp:	240317
Ion Ratio	Lower	Upper	
96	100		
61	152.2	0.0	291.8
98	66.0	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.27 ug/l

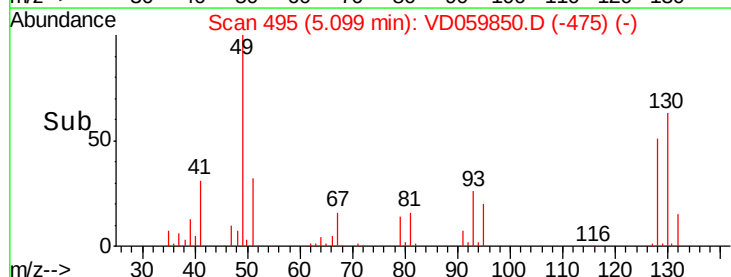
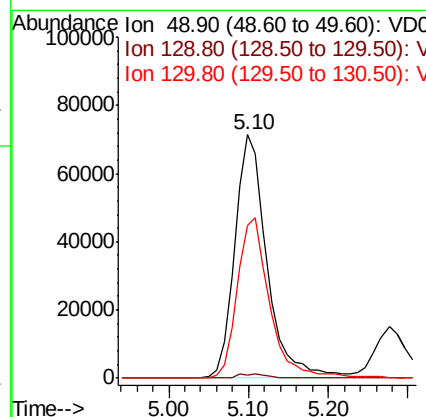
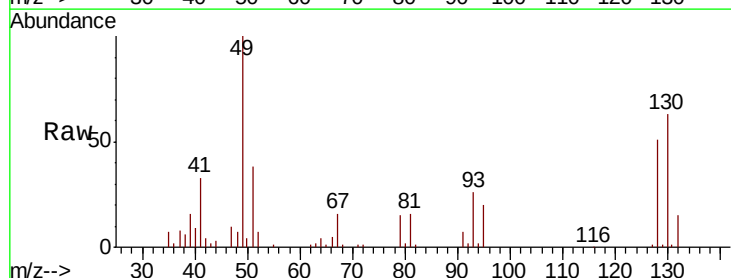
RT: 5.10 min Scan# 495

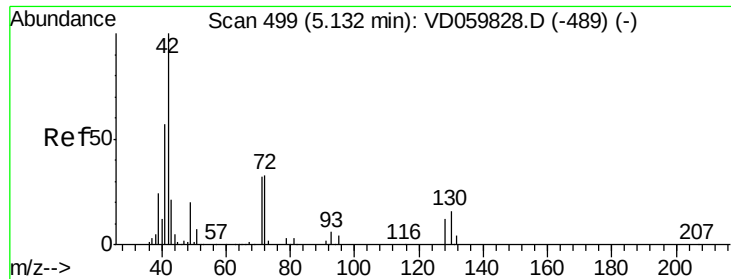
Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	49	Resp:	200509
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.8
130	62.8	51.0	76.6





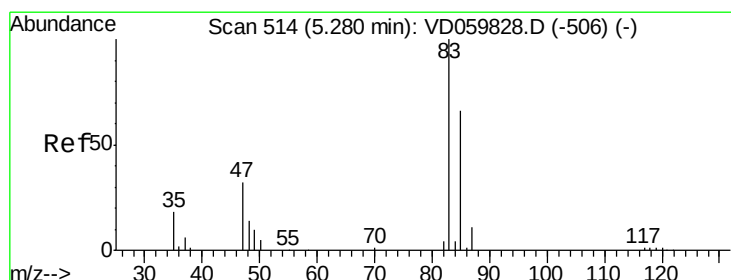
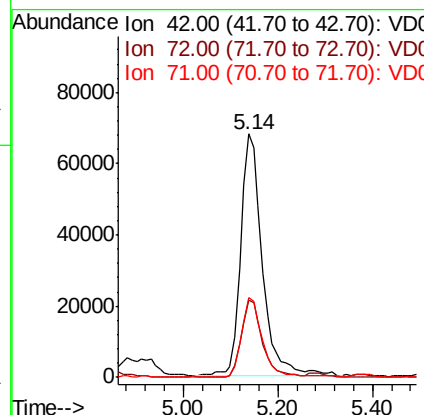
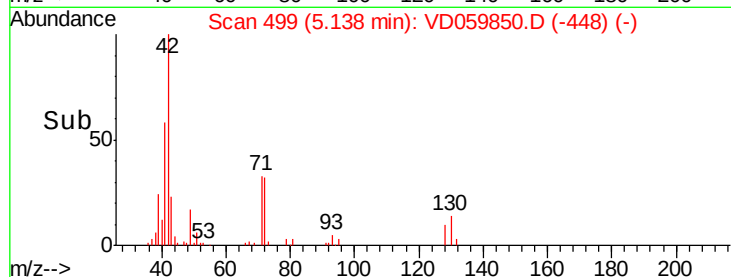
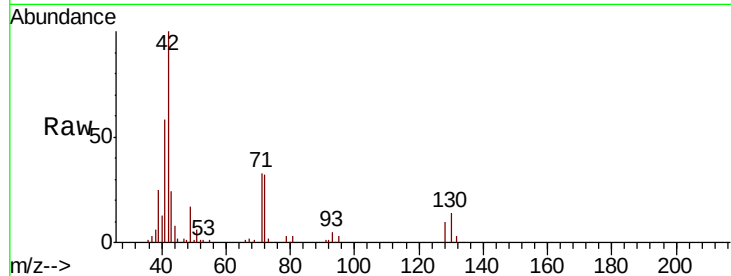
#29
Tetrahydrofuran
Concen: 89.75 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.7	25.8	38.6
71	32.1	25.7	38.5

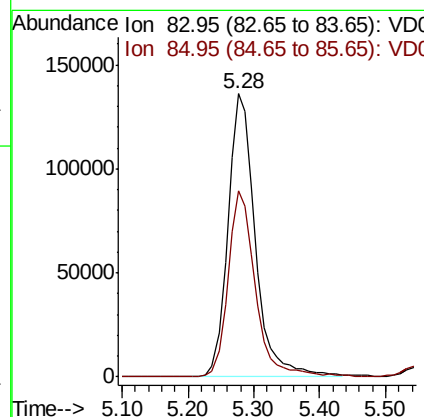
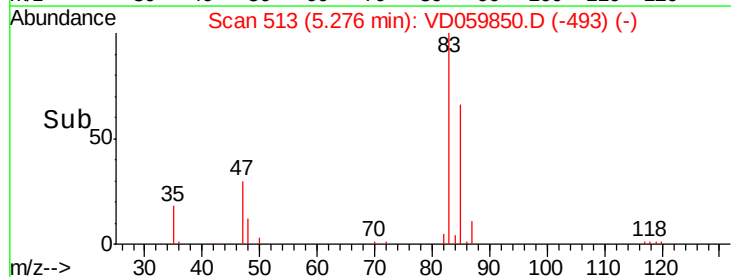
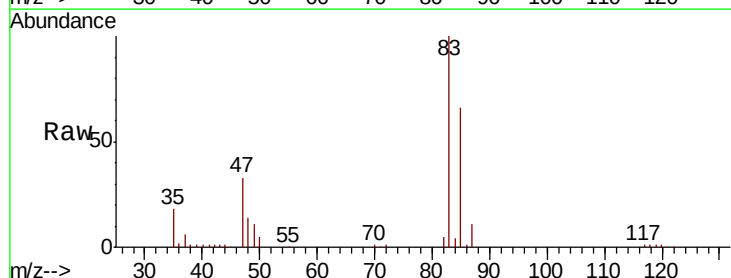
Manual Integrations
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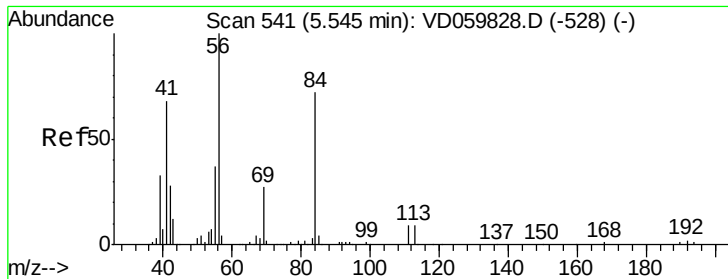
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#30
Chloroform
Concen: 19.48 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.9	79.3





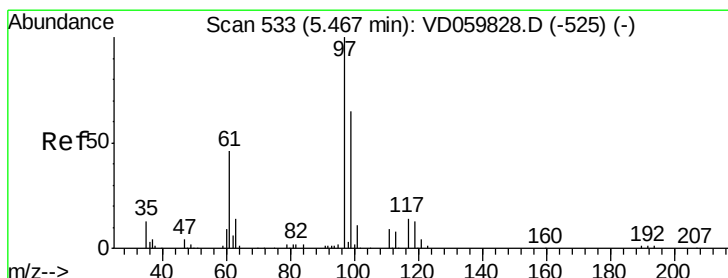
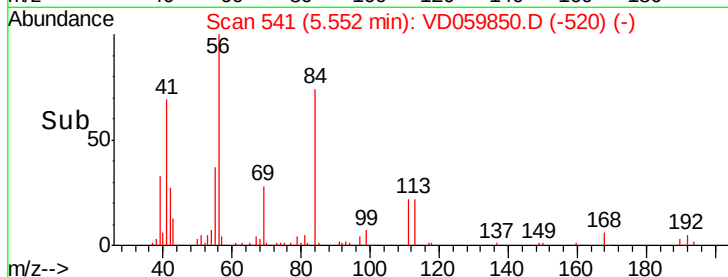
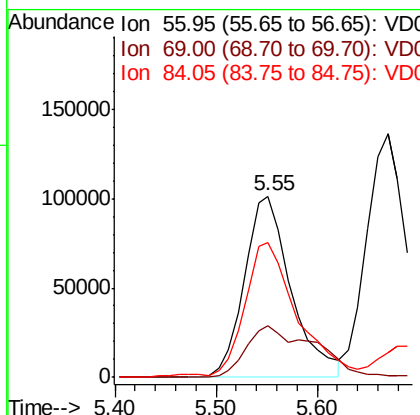
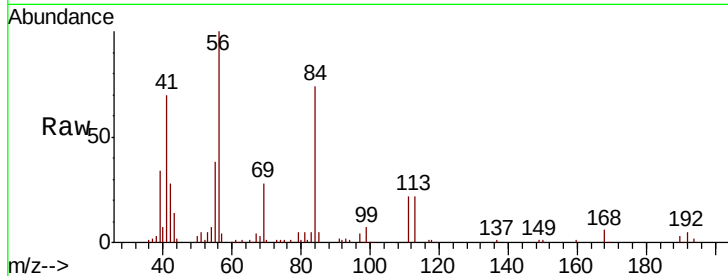
#31
Cyclohexane
Concen: 16.83 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	21.7	32.5
84	74.3	57.8	86.6

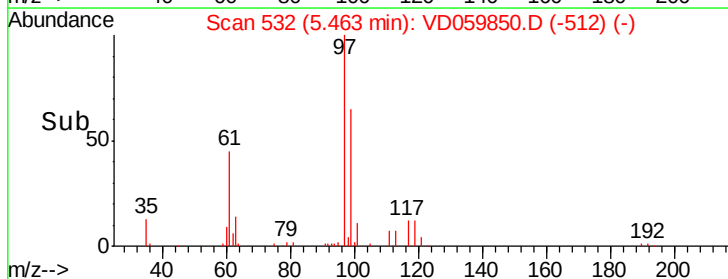
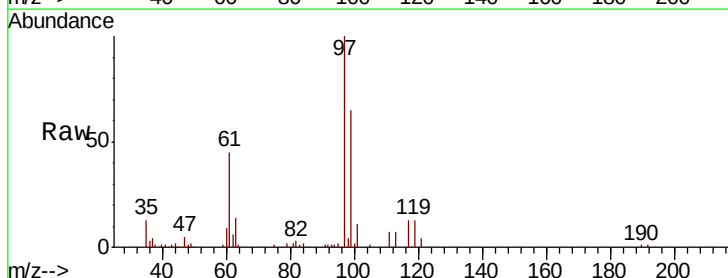
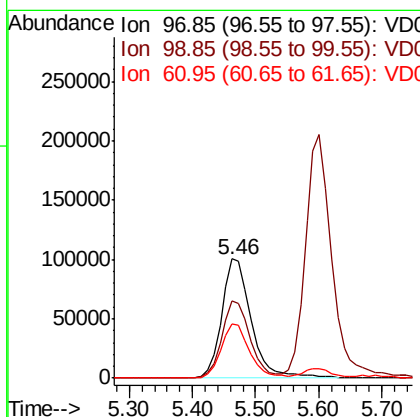
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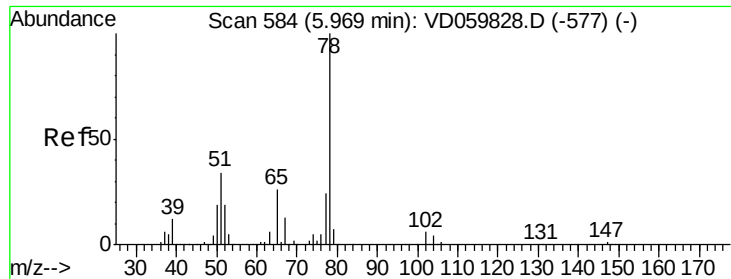
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#32
1,1,1-Trichloroethane
Concen: 19.02 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	45.4	37.0	55.6





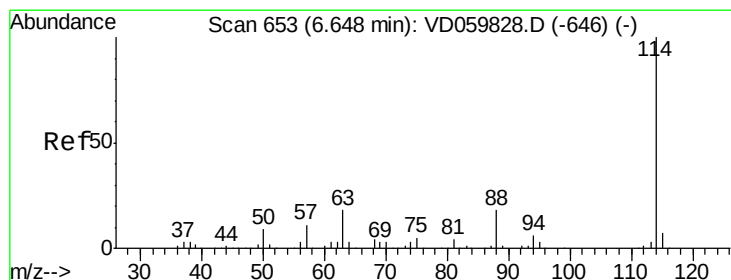
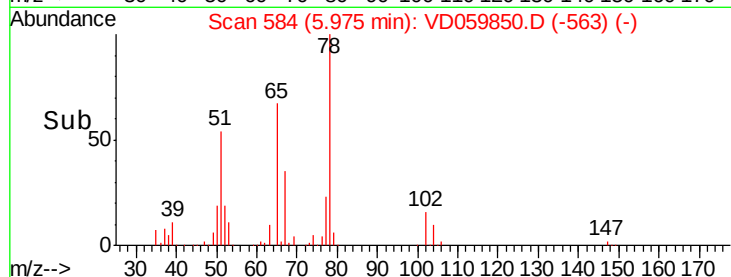
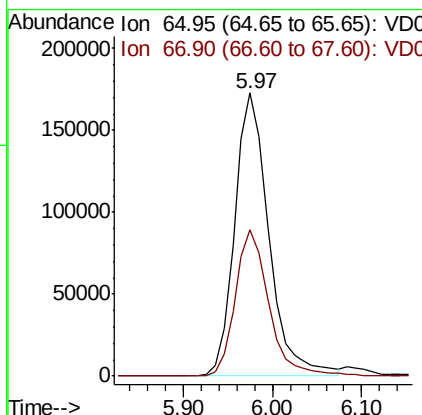
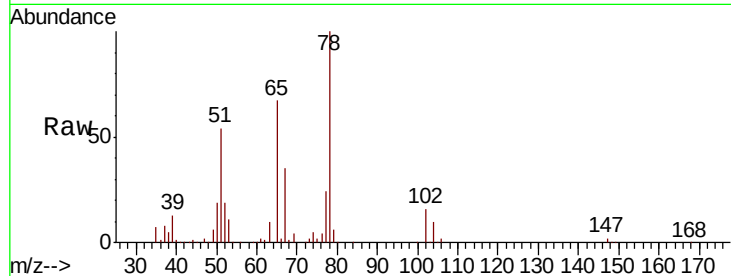
#33
 1,2-Dichloroethane-d4
 Concen: 19.02 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	461658		
67	51.8	0.0	102.4	

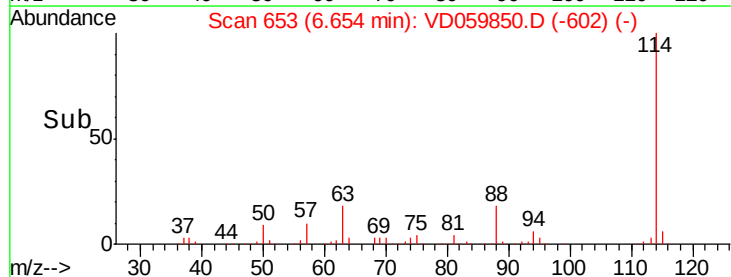
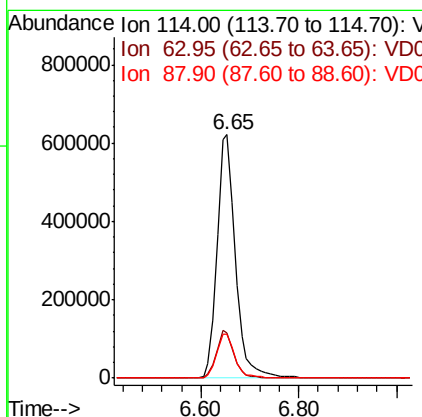
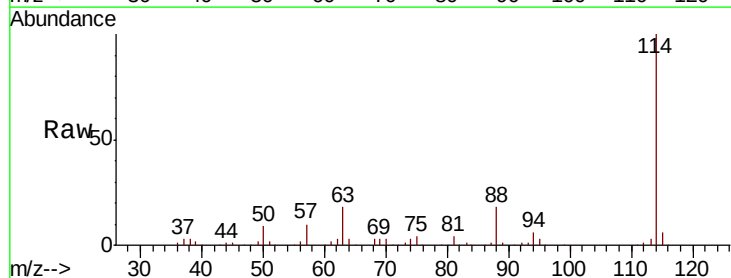
Manual Integrations
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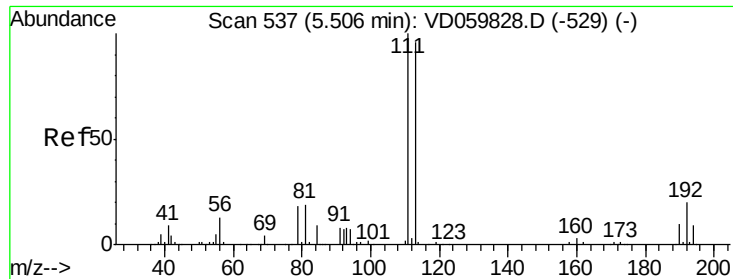
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1630895		
63	18.4	0.0	37.0	
88	18.2	0.0	37.0	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

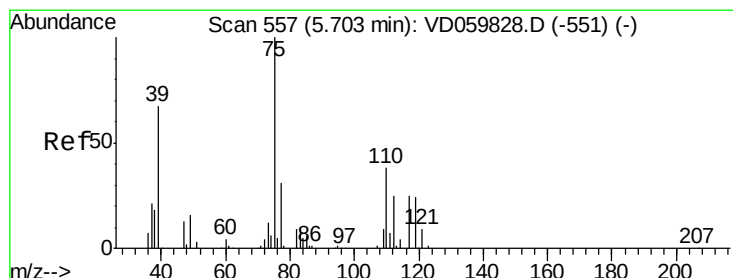
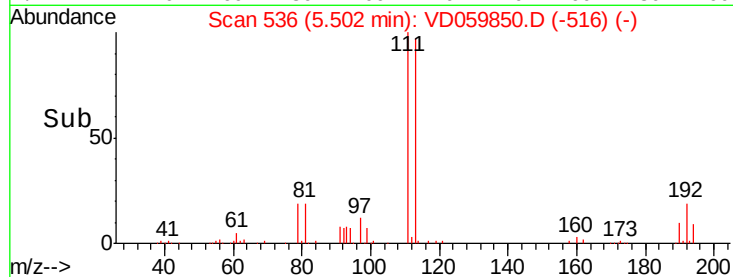
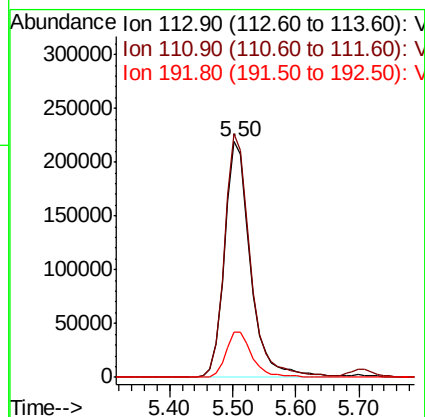
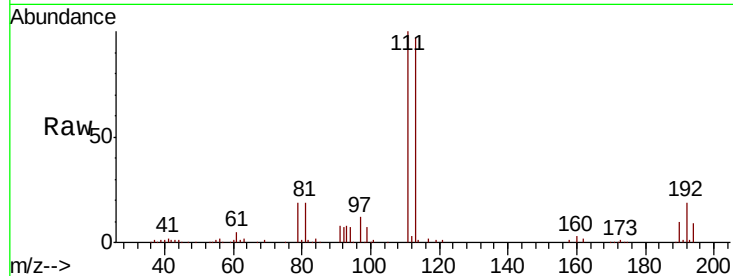
ClientSampleId :

VD0821SBS01

Tot Ion:	113	Resp:	624159
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.3	124.9
192	19.2	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.84 ug/l

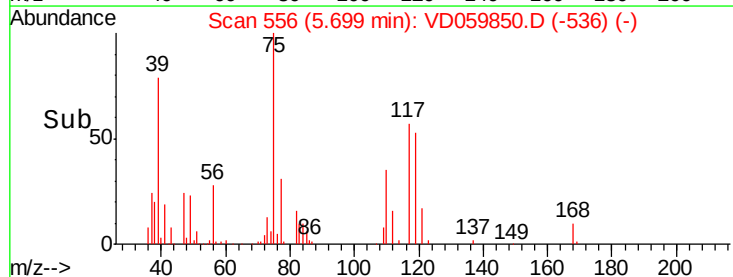
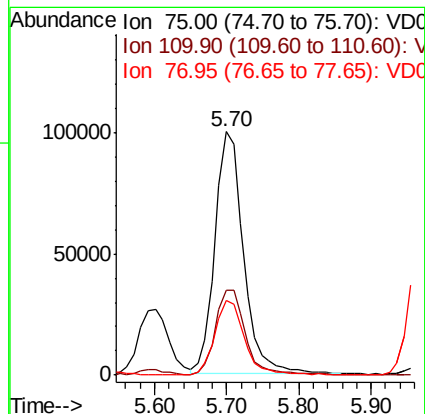
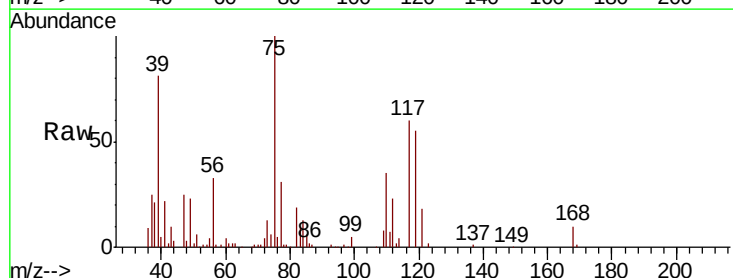
RT: 5.70 min Scan# 556

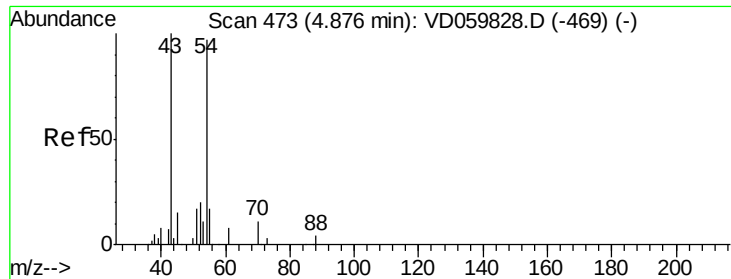
Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	75	Resp:	274469
Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.8	56.4
77	30.8	24.9	37.3





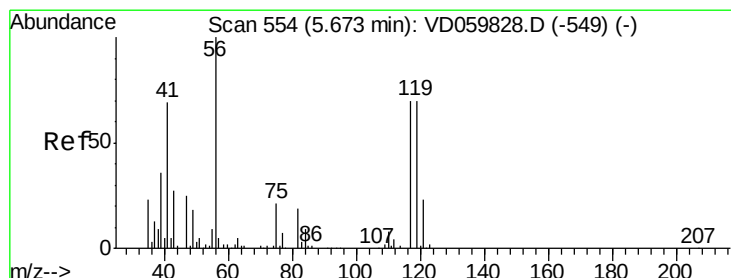
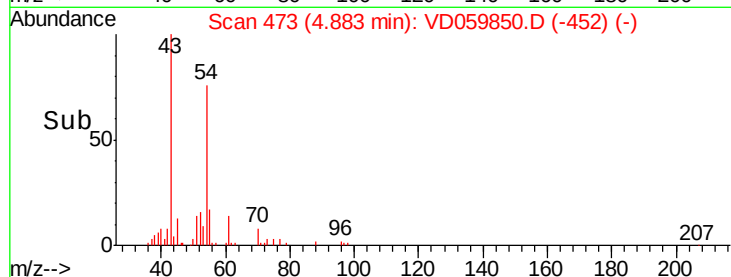
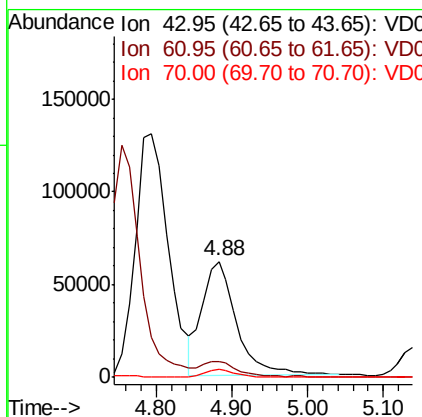
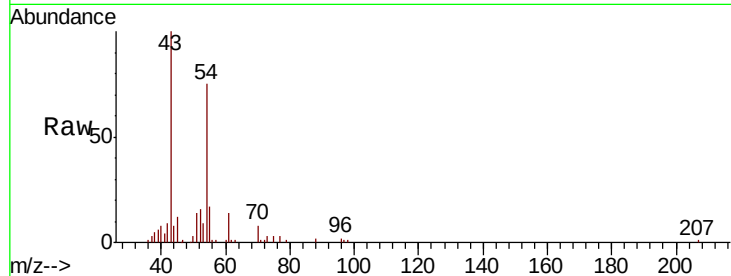
#37
Ethyl Acetate
Concen: 18.80 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	7.5	6.2	9.2

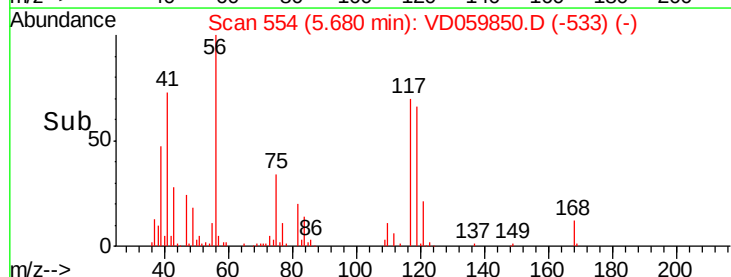
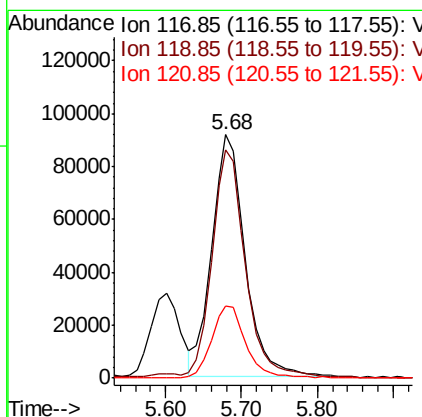
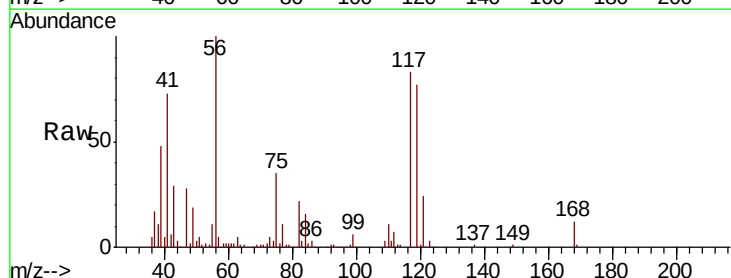
Manual Integrations
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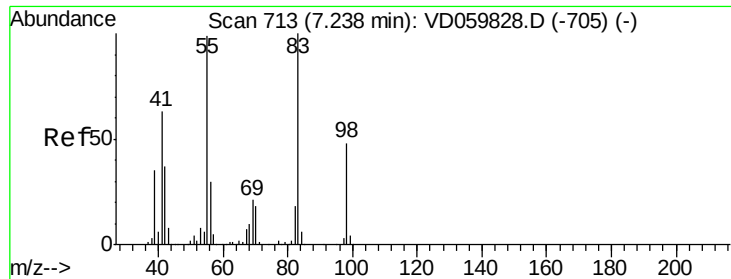
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#38
Carbon Tetrachloride
Concen: 20.14 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.0	115.4
121	29.5	24.7	37.1





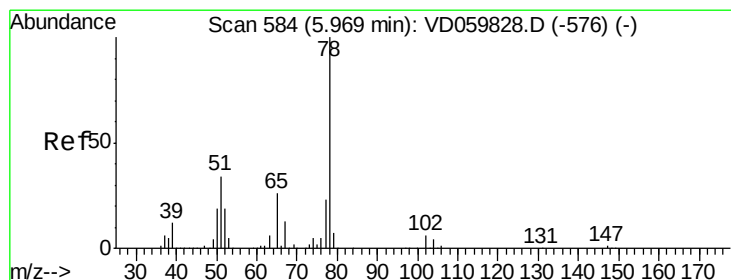
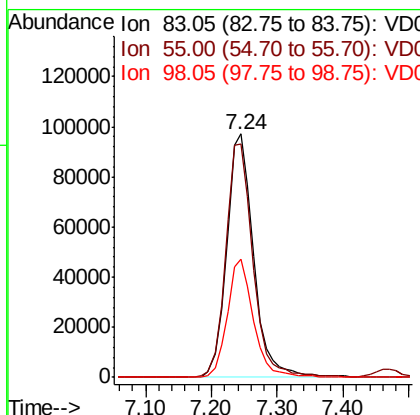
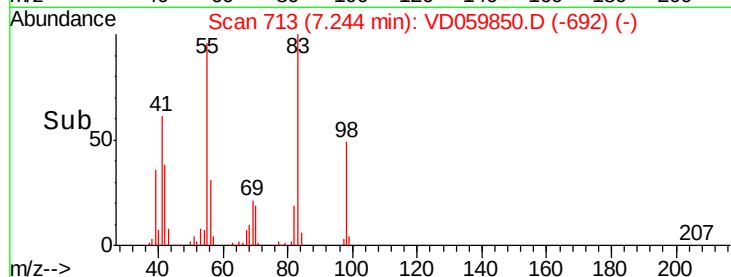
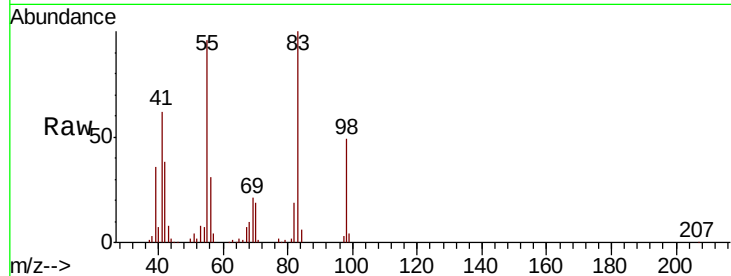
#39
Methylvlcyclohexane
Concen: 18.73 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	83	Resp	277154
Ion Ratio	Lower	Upper	
83	100		
55	95.7	79.0	118.6
98	48.7	38.1	57.1

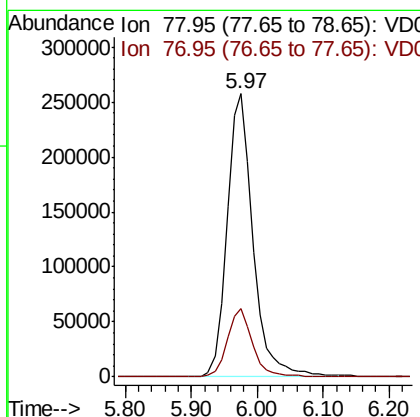
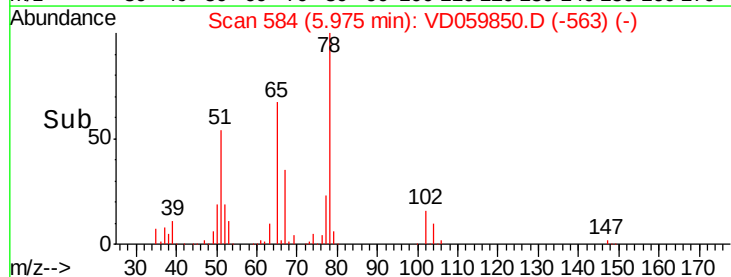
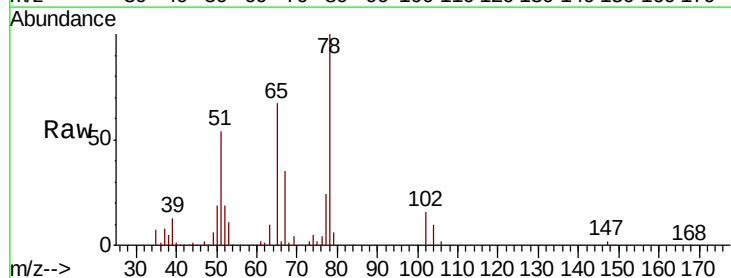
Manual Integrations
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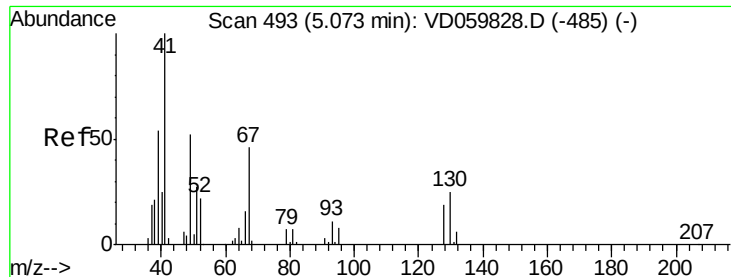
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#40
Benzene
Concen: 19.77 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	78	Resp	708504
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.8	28.2





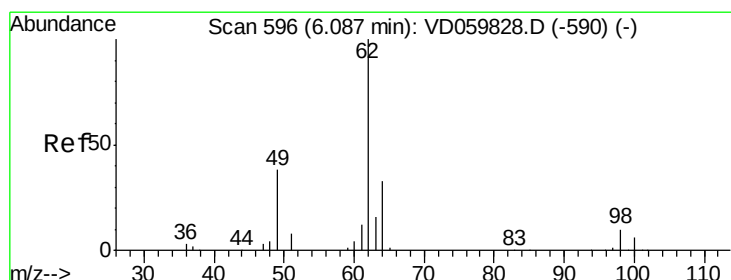
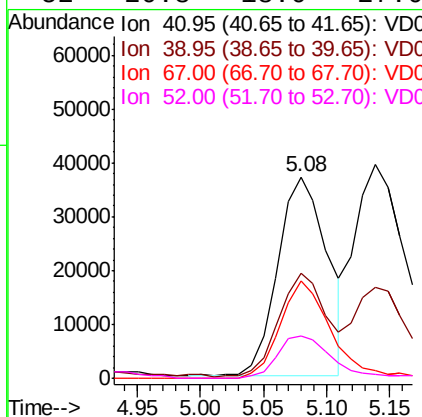
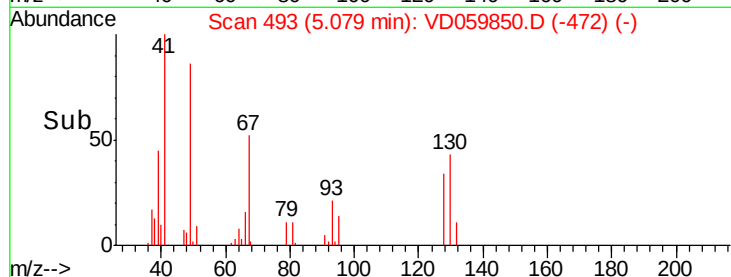
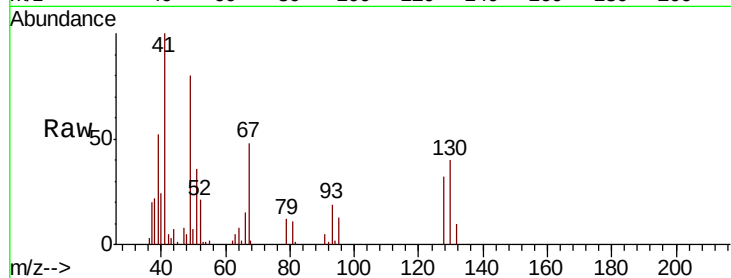
#41
Methacrylonitrile
Concen: 19.19 ug/l
RT: 5.08 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.5	43.0	64.6		
67	48.1	36.7	55.1		
52	20.8	18.0	27.0		

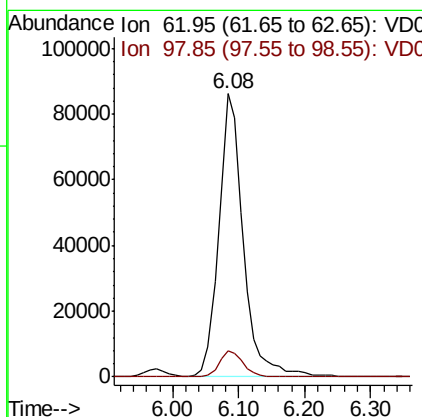
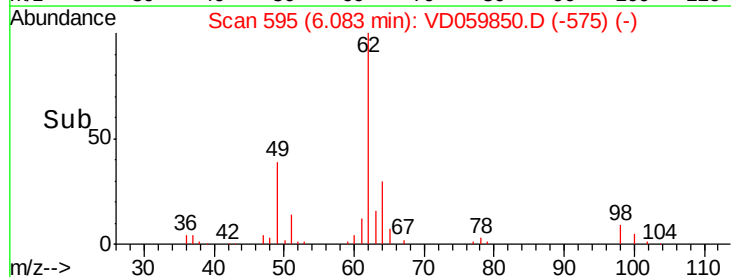
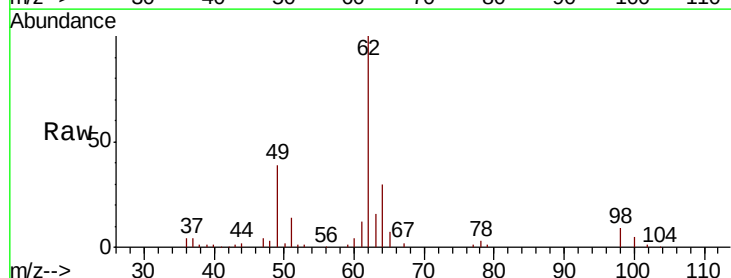
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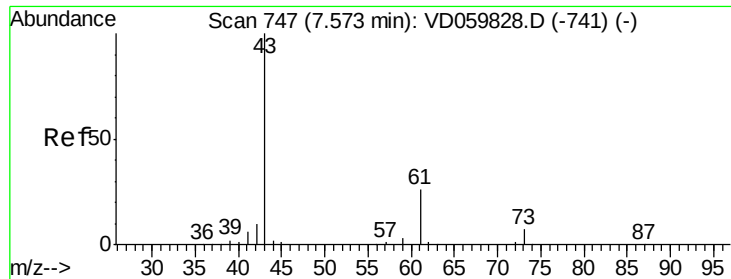
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#42
1,2-Dichloroethane
Concen: 19.14 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.3	0.0	19.4		





#43

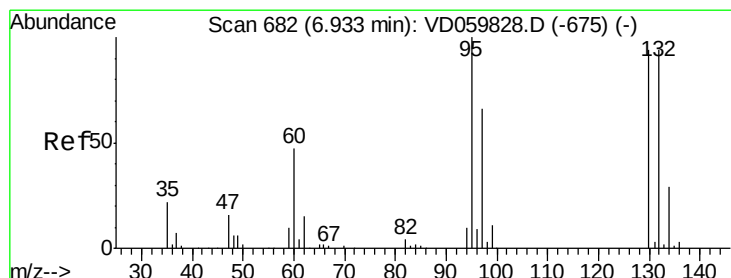
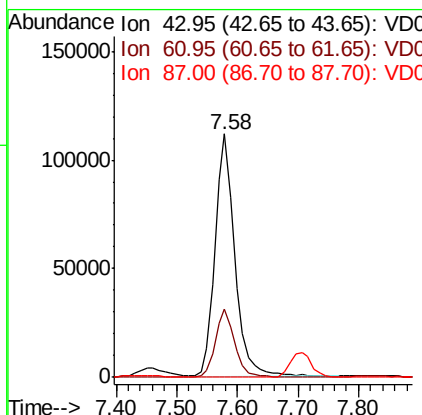
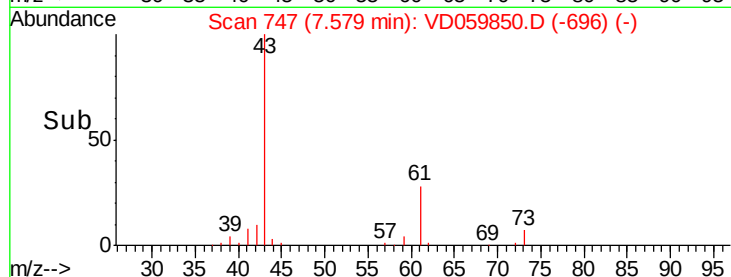
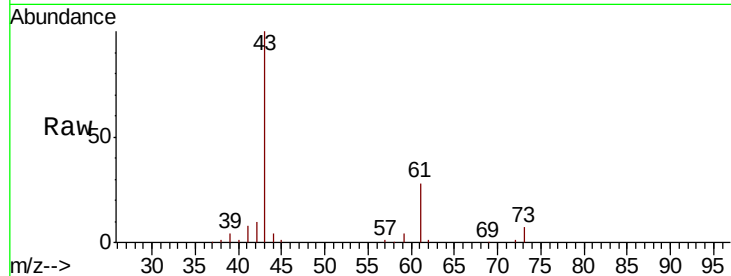
Isopropyl Acetate
 Concen: 17.76 ug/l
 RT: 7.58 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.0	31.4
87	0.0	0.2	0.4

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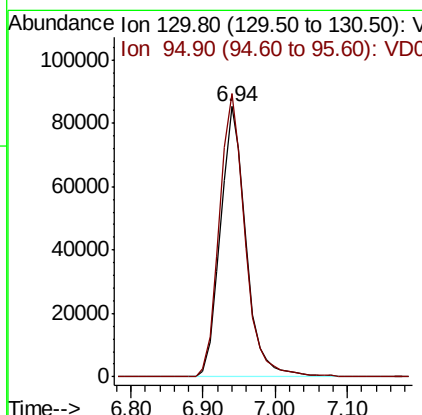
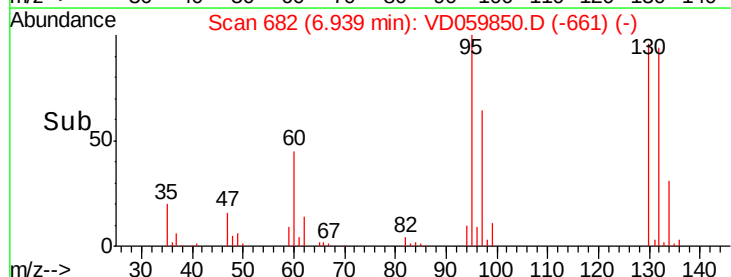
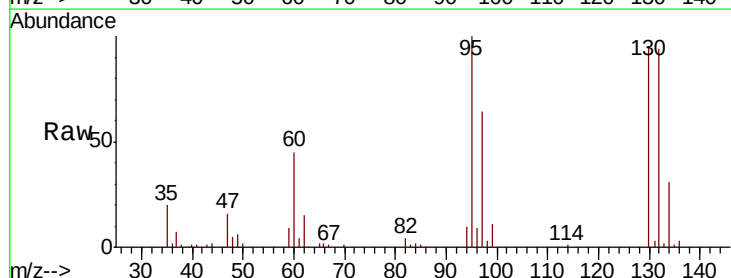
apatel
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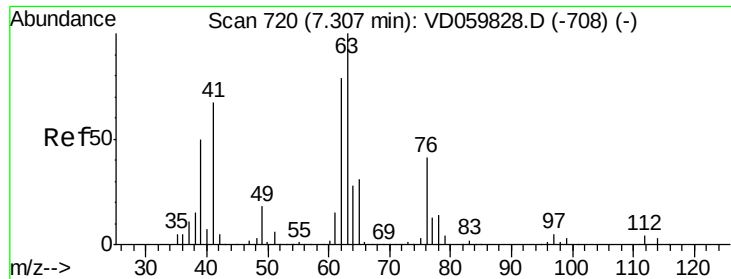


#44

Trichloroethene
 Concen: 19.57 ug/l
 RT: 6.94 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	213.0





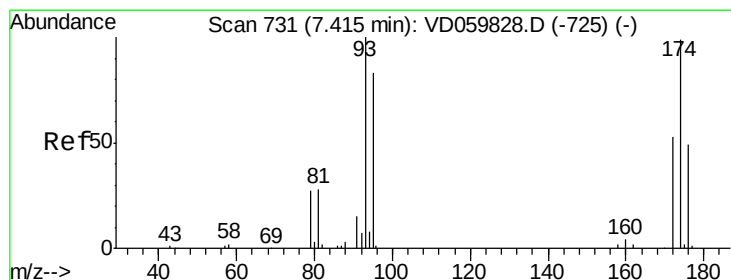
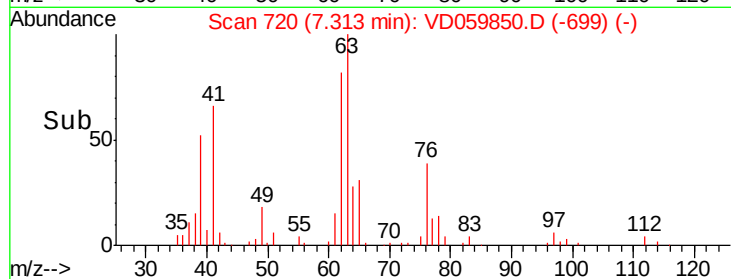
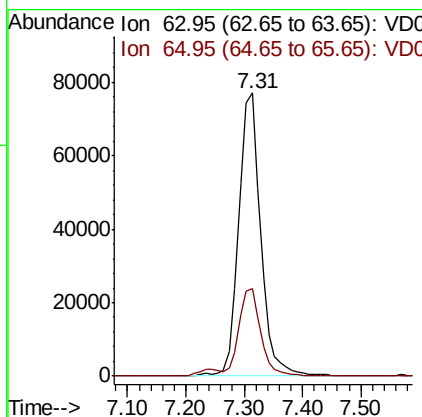
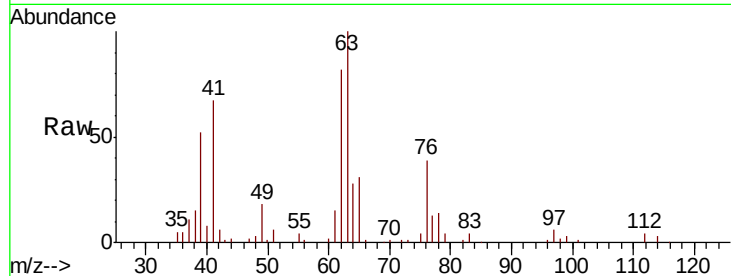
#45
 1,2-Dichloropropane
 Concen: 19.38 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7

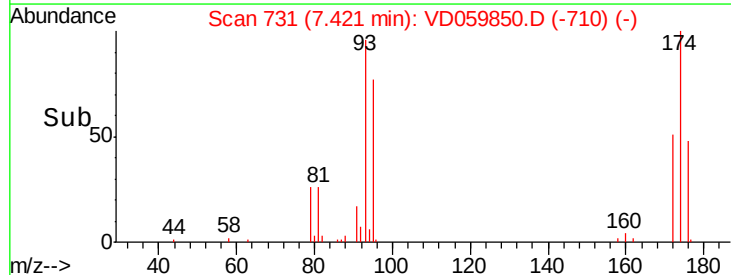
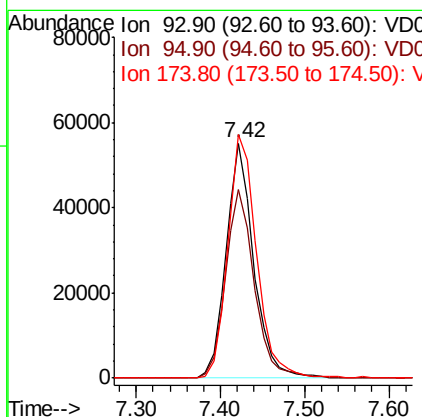
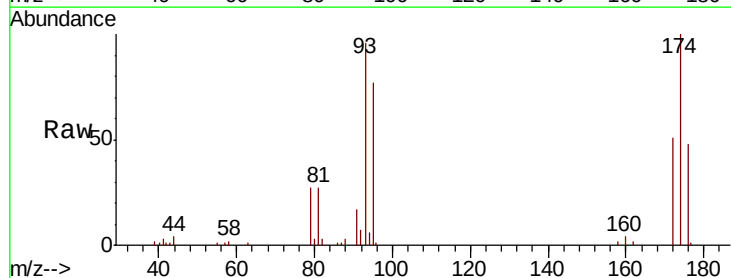
Manual Integrations
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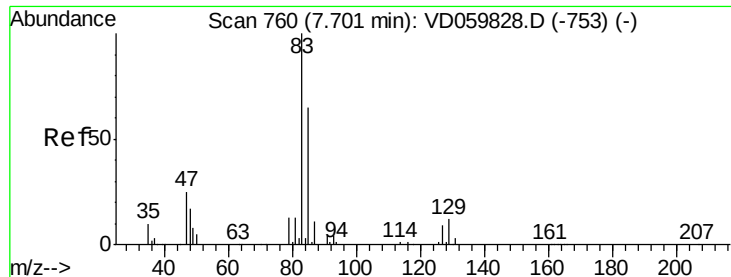
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#46
 Dibromomethane
 Concen: 19.10 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	66.3	99.5
174	103.7	79.4	119.0





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 7.71 min Scan# 760

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

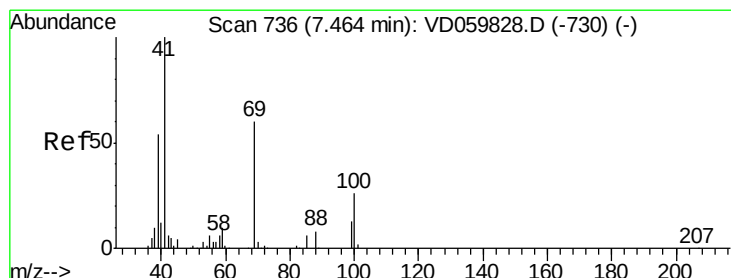
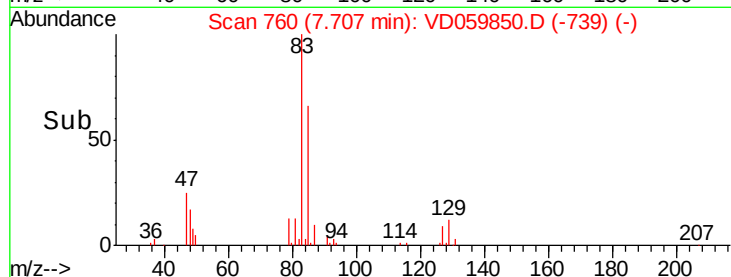
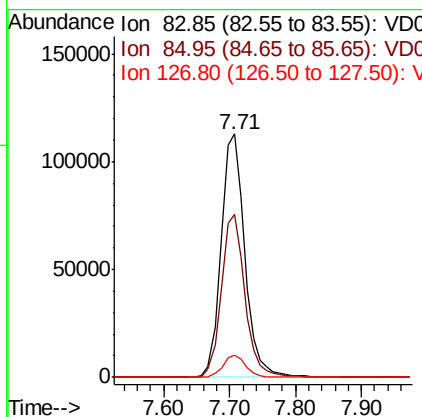
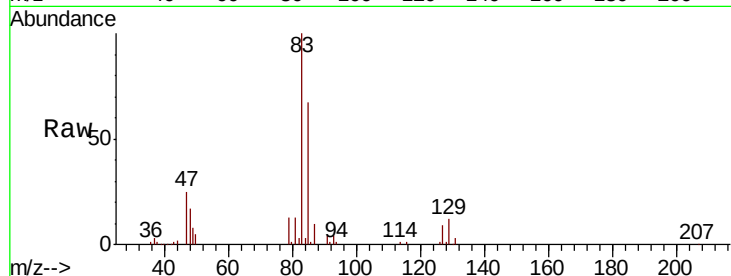
ClientSampleId :

VD0821SBS01

Tot Ion:	83	Resp:	284198
Ion Ratio	Lower	Upper	
83	100		
85	66.8	52.2	78.4
127	9.1	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.05 ug/l

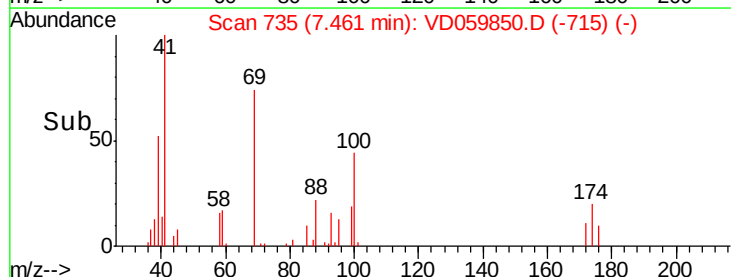
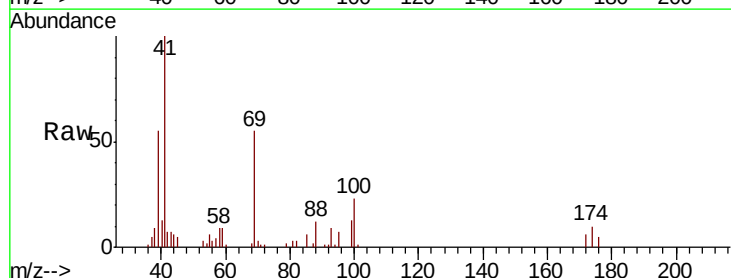
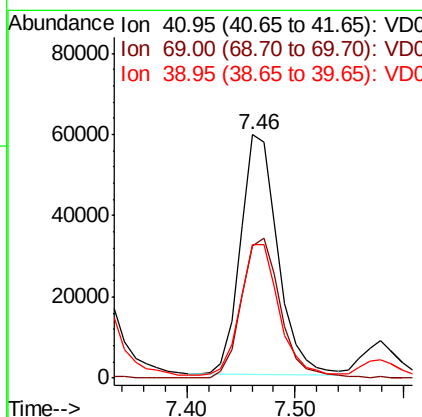
RT: 7.46 min Scan# 735

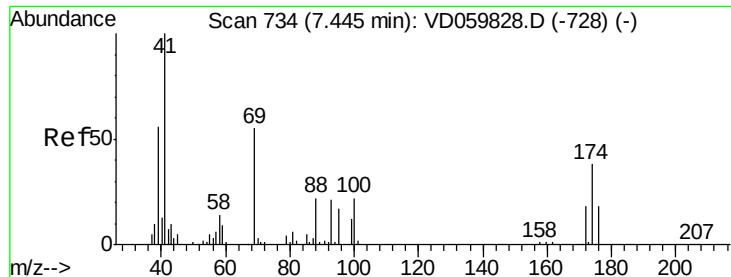
Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	41	Resp:	141186
Ion Ratio	Lower	Upper	
41	100		
69	54.6	47.0	70.4
39	54.9	43.4	65.2





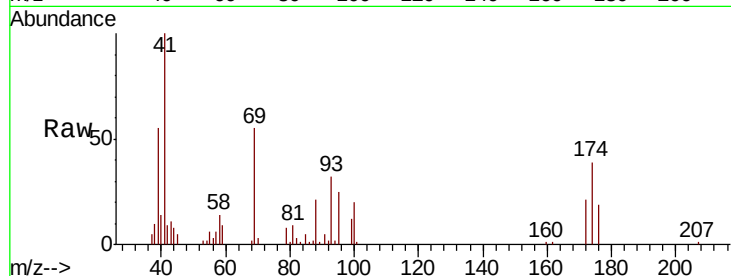
#49
1,4-Dioxane
Concen: 394.67 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

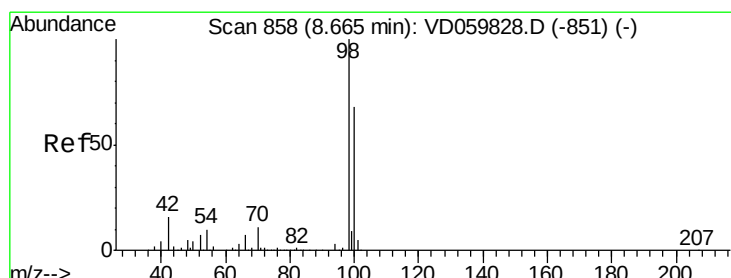
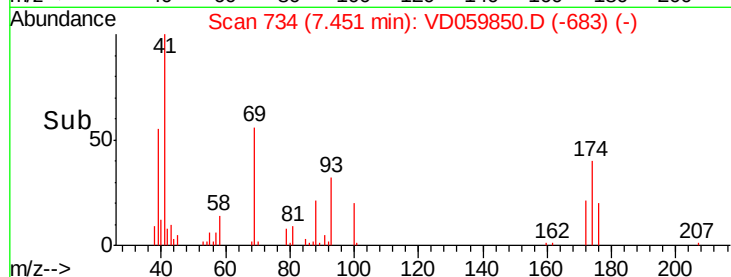
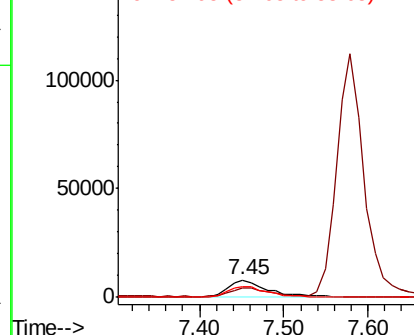
Tot Ion	Ratio	Resp	Lower	Upper
88	100	26123		
43	51.4		41.4	62.0
58	65.2		52.4	78.6

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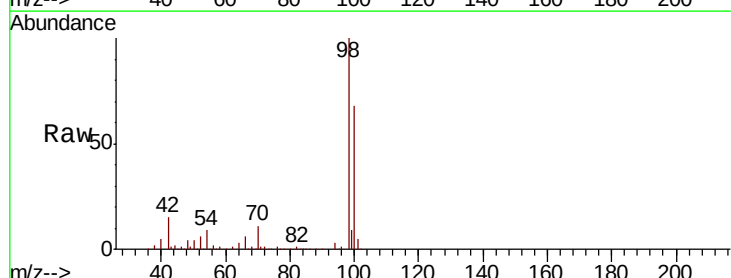


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

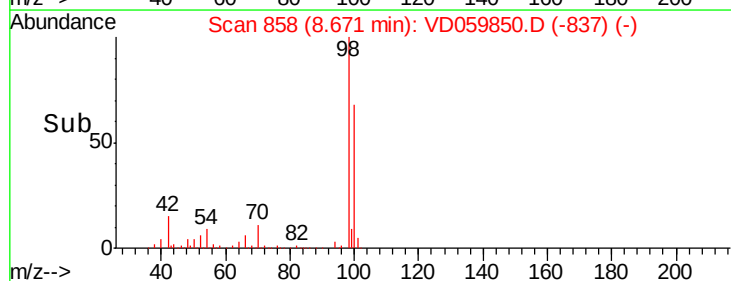
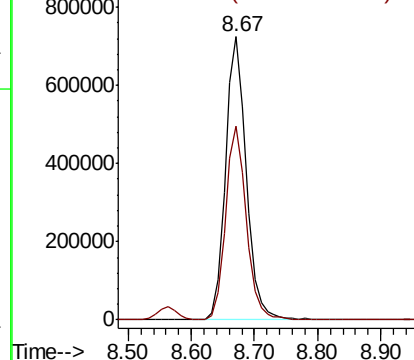


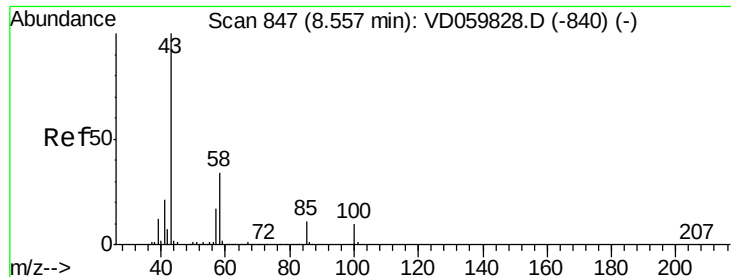
#50
Toluene-d8
Concen: 394.67 ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1661655		
100	68.4		55.0	82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 86.56 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 820635

Ion Ratio Lower Upper

43 100

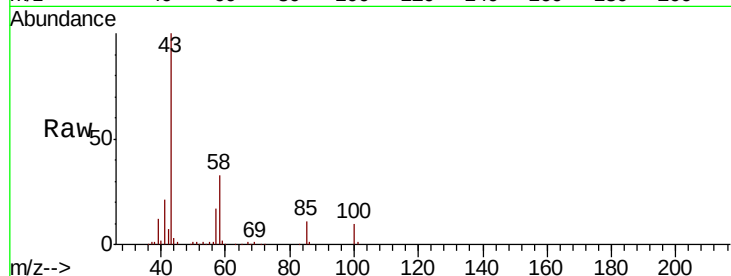
58 32.7 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.56

400000

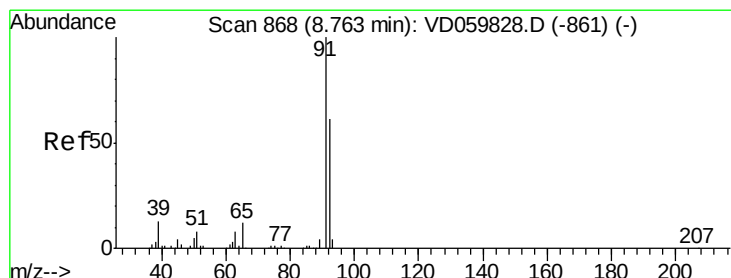
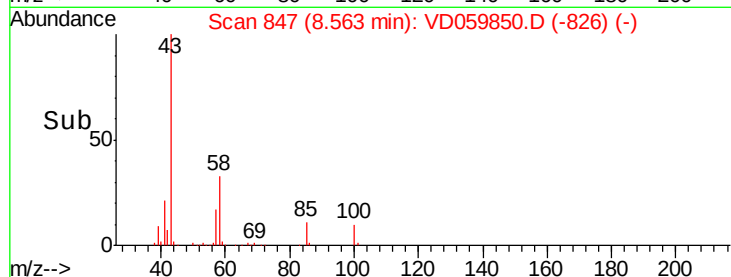
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.17 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059850.D

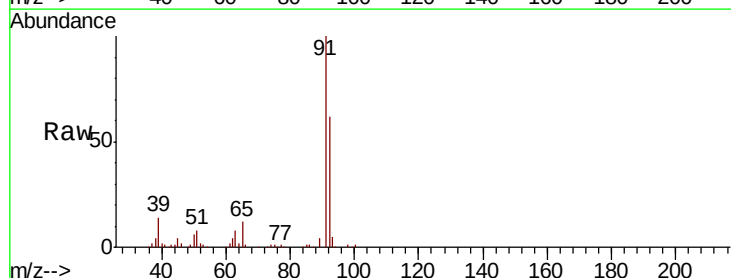
Acq: 21 Aug 2018 12:35

Tgt Ion: 92 Resp: 457037

Ion Ratio Lower Upper

92 100

91 160.8 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.76

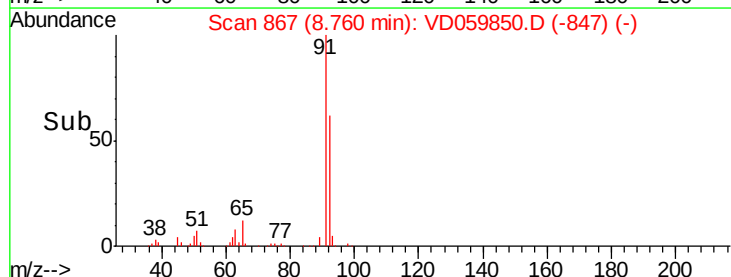
300000

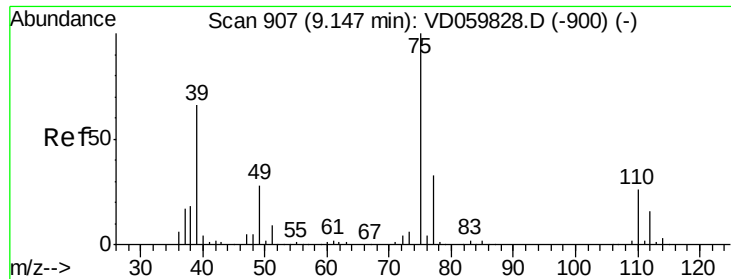
200000

100000

0

Time-->





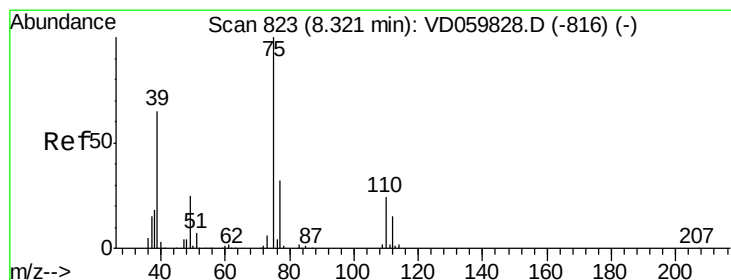
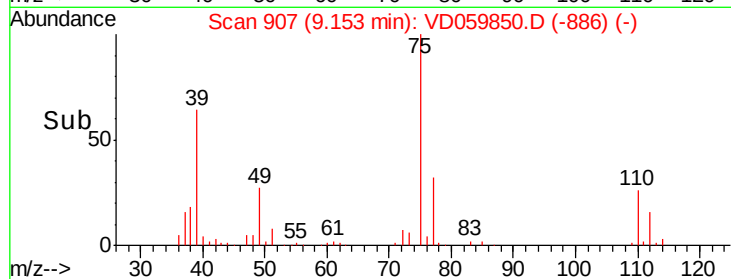
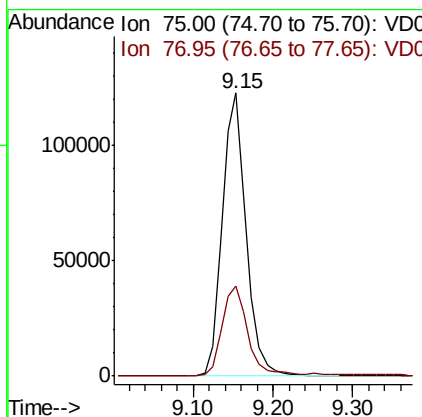
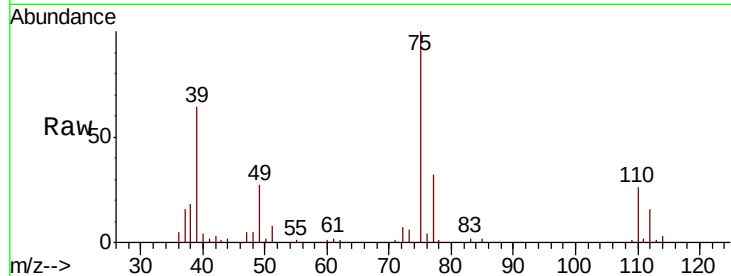
#53
 t-1,3-Dichloropropene
 Concen: 19.51 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.3	39.5

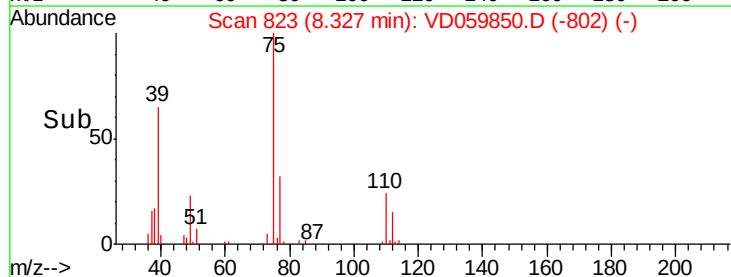
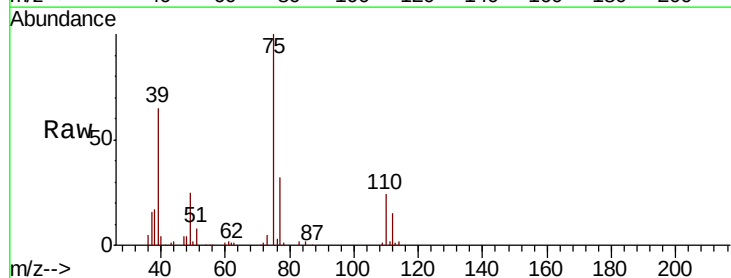
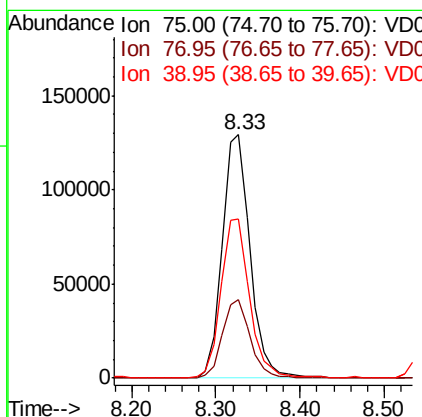
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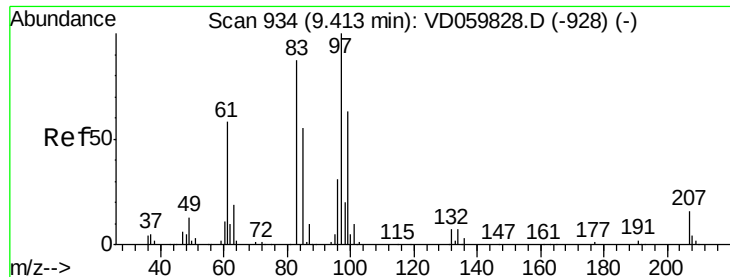
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#54
 cis-1,3-Dichloropropene
 Concen: 18.76 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.8
39	65.4	52.2	78.4





#55

1,1,2-Trichloroethane

Concen: 20.19 ug/l

RT: 9.42 min Scan# 934

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

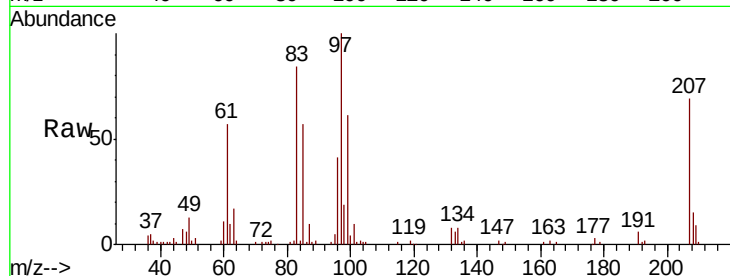
ClientSampleId :

VD0821SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		165120		
83	84.3	69.2	103.8		
85	56.7	44.3	66.5		
99	60.7	50.6	76.0		

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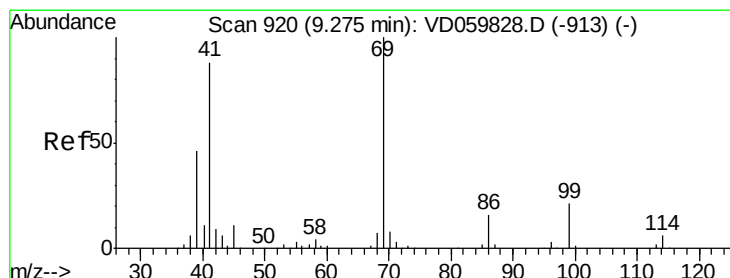
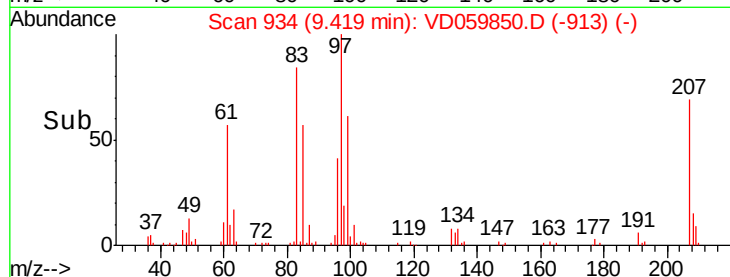
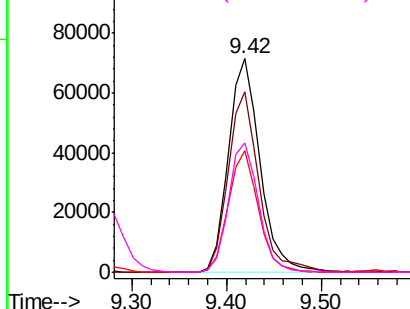
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.07 ug/l

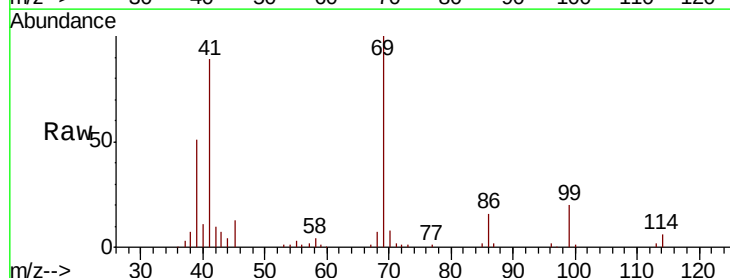
RT: 9.27 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		179846		
41	88.7	71.0	106.4		
39	50.8	38.0	57.0		

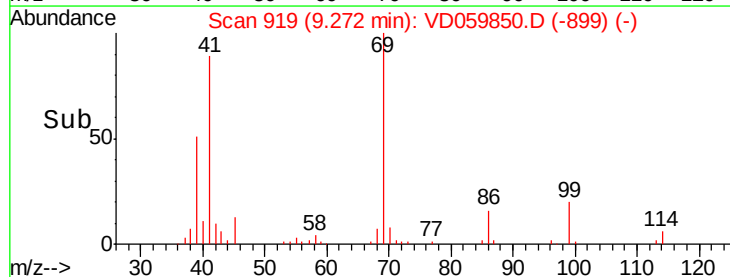
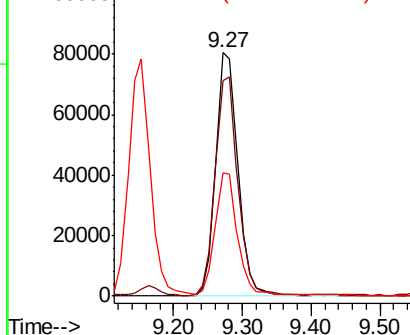


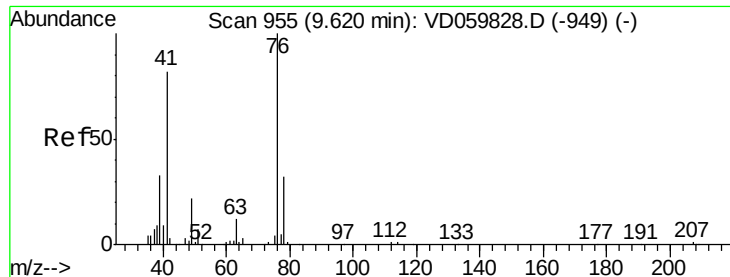
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





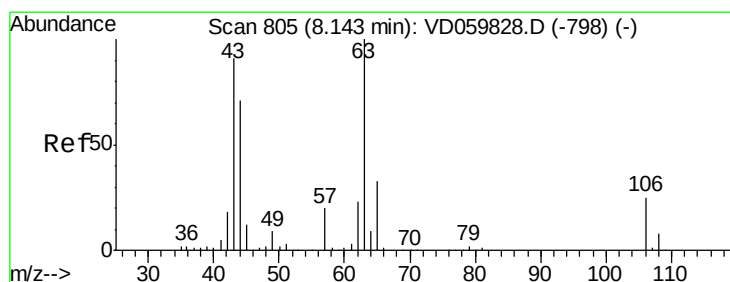
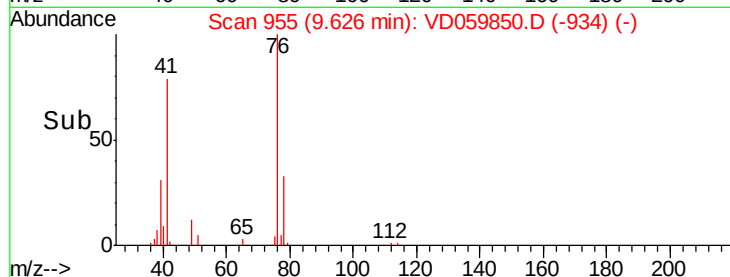
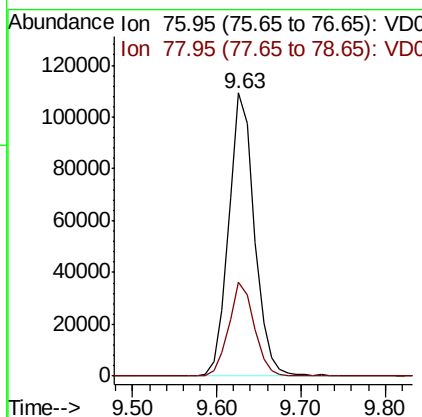
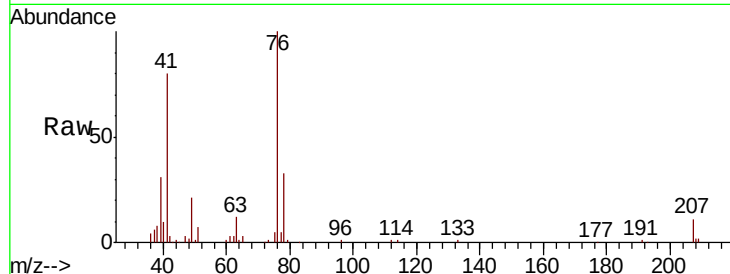
#57
 1,3-Dichloropropane
 Concen: 19.41 ug/l
 RT: 9.63 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

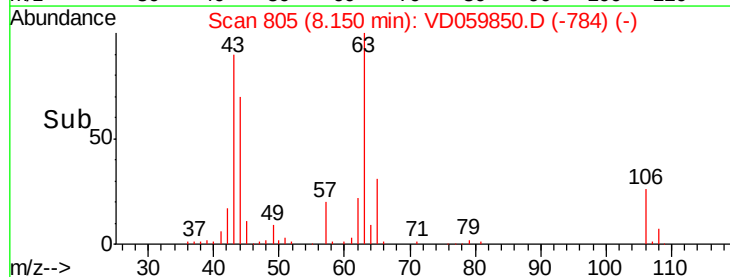
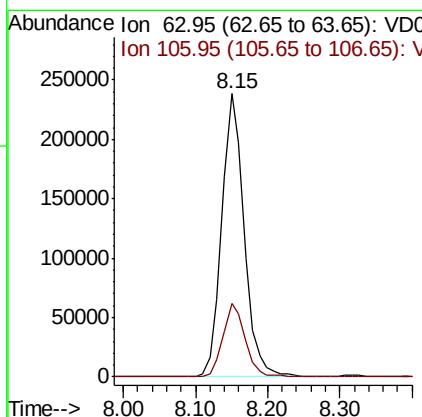
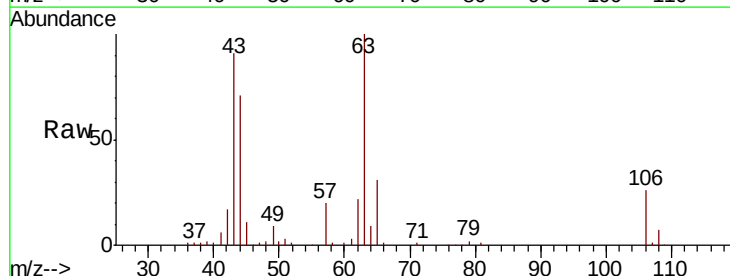
Manual Integrations
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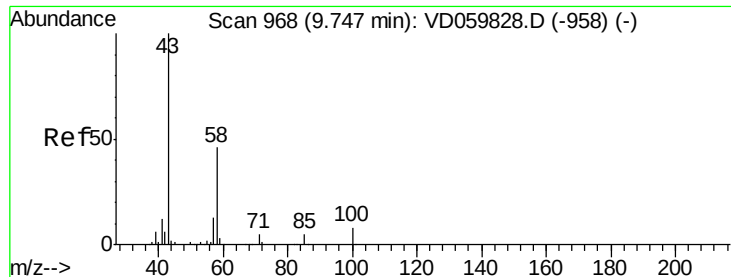
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#58
 2-Chloroethyl Vinyl ether
 Concen: 93.34 ug/l
 RT: 8.15 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	19.6	29.4





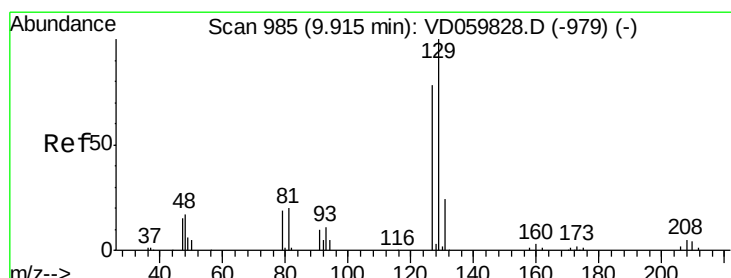
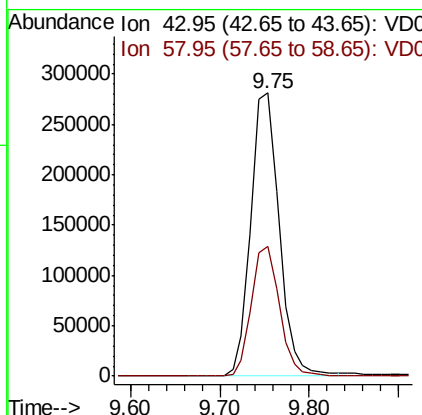
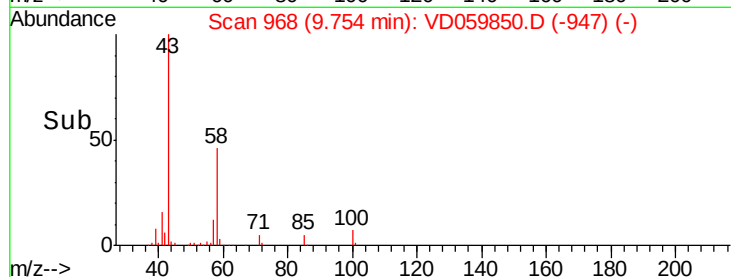
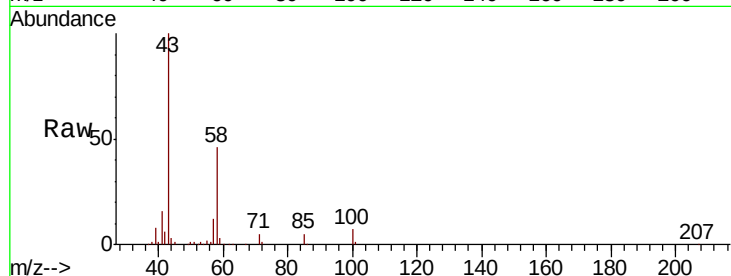
#59
2-Hexanone
Concen: 88.08 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 43 Resp: 617255
Ion Ratio Lower Upper
43 100
58 45.8 23.1 69.2

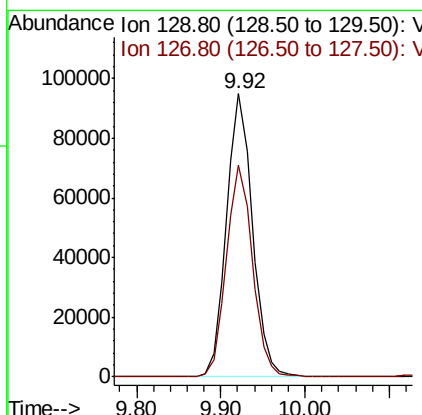
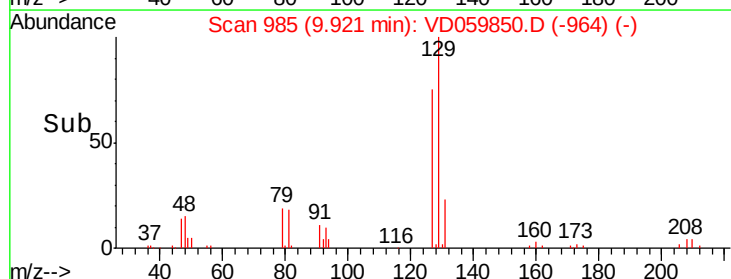
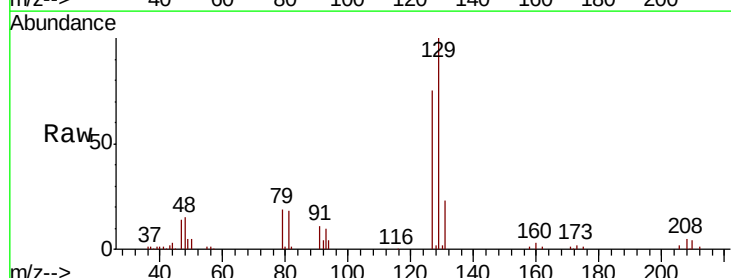
Manual Integrations
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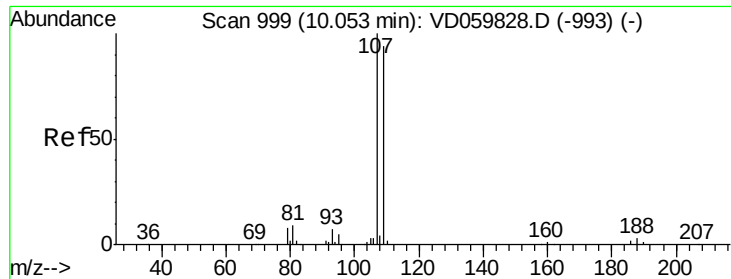
apatel
8/22/2018 12:42:37 PM



#60
Dibromochloromethane
Concen: 19.37 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion: 129 Resp: 204055
Ion Ratio Lower Upper
129 100
127 75.0 39.0 116.9





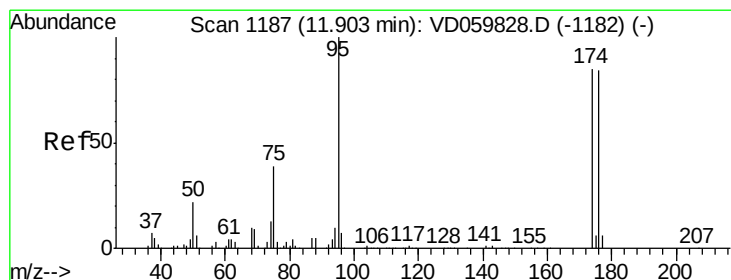
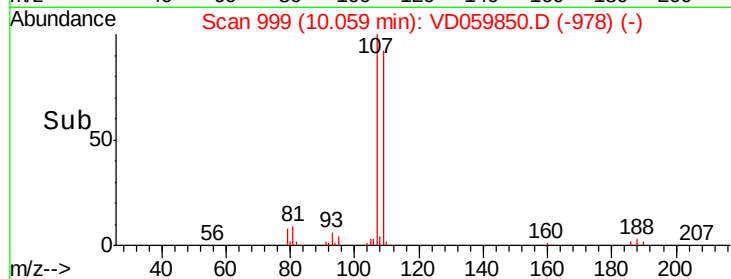
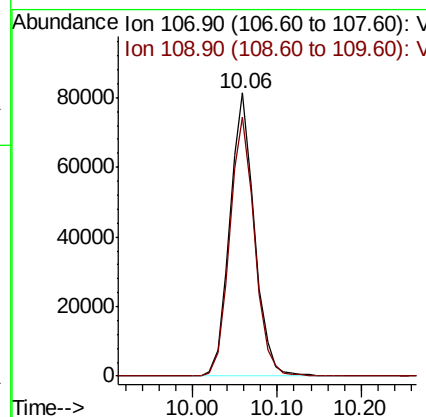
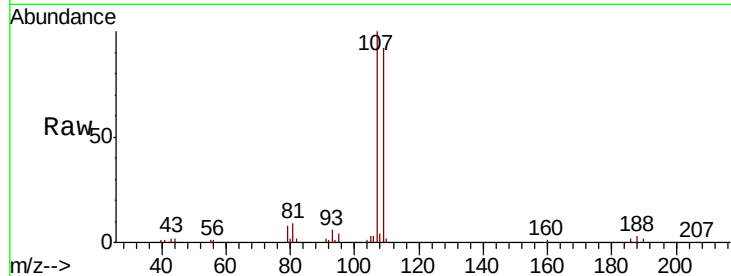
#61
 1,2-Dibromoethane
 Concen: 18.82 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.0	112.6

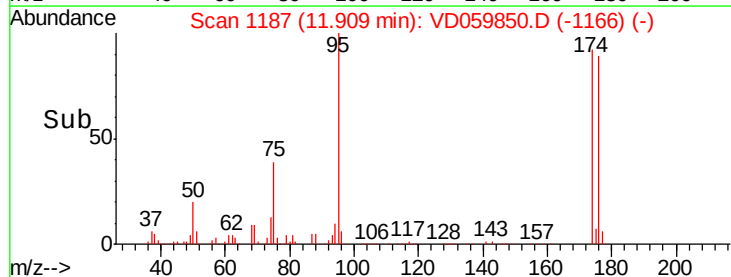
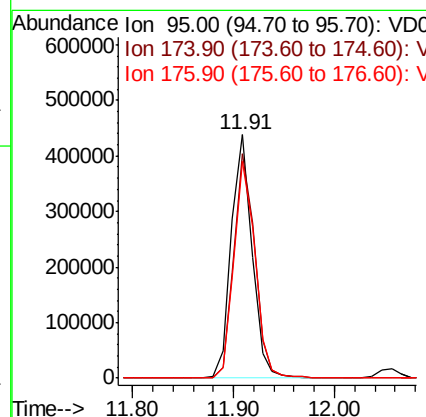
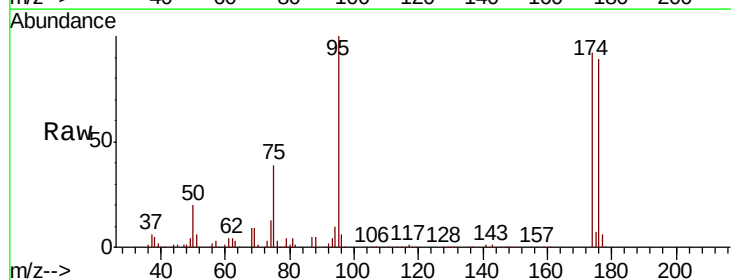
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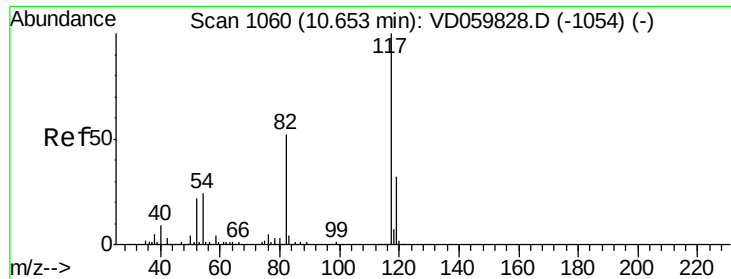
apatel
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#62
 4-Bromofluorobenzene
 Concen: 18.82 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	169.2
176	89.0	0.0	168.0





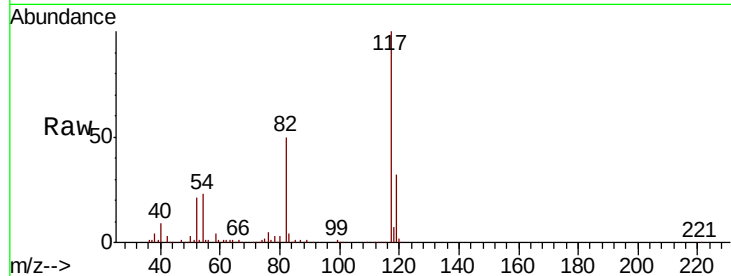
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.6	62.4
119	31.8	25.6	38.4

Manual Integrations
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apatel
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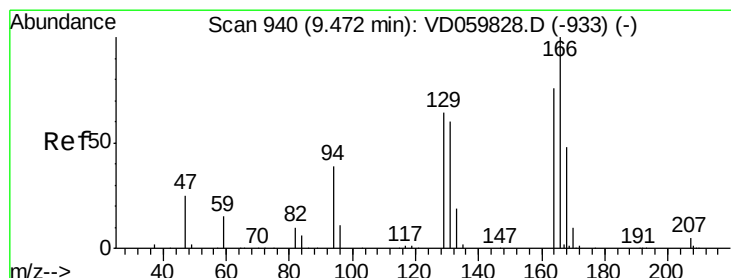
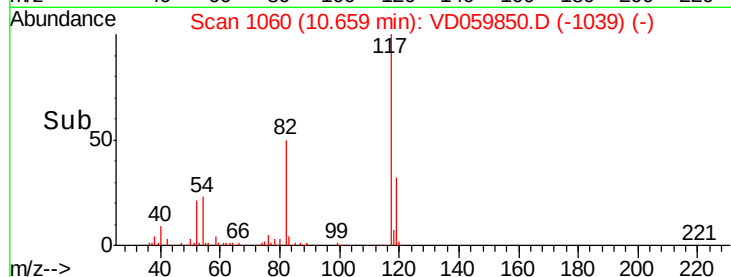
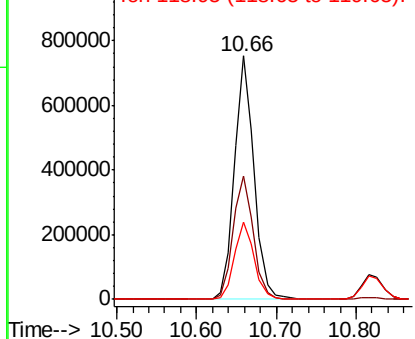


Abundance

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



#64
Tetrachloroethene
Concen: 19.88 ug/l
RT: 9.48 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	104.9	157.3
129	78.0	66.7	100.1
131	77.7	63.1	94.7

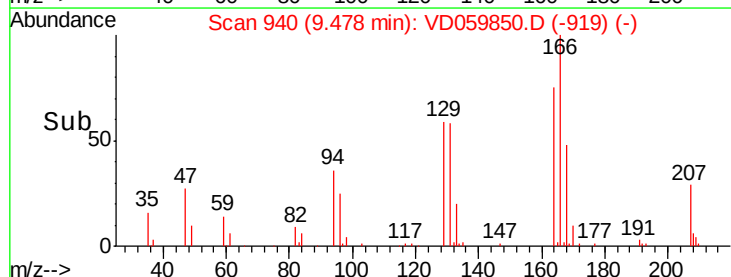
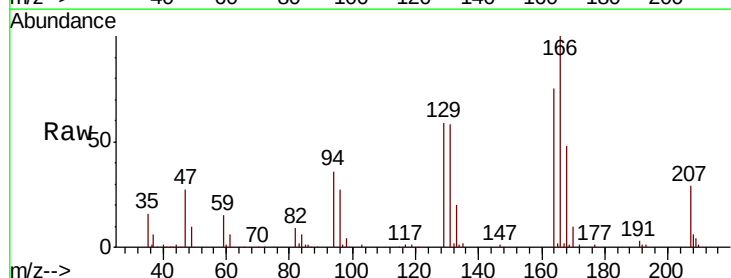
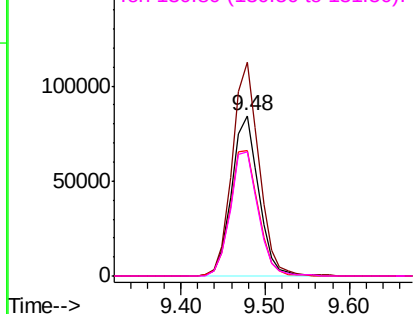
Abundance

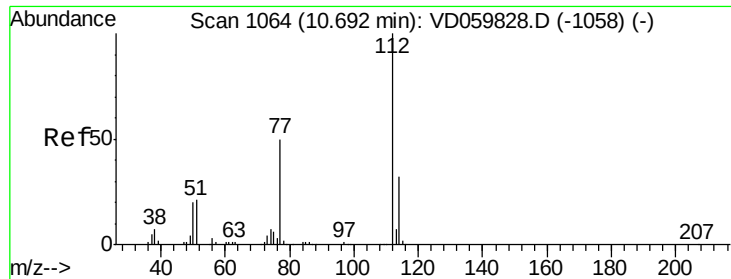
Ion 163.85 (163.55 to 164.55): V

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





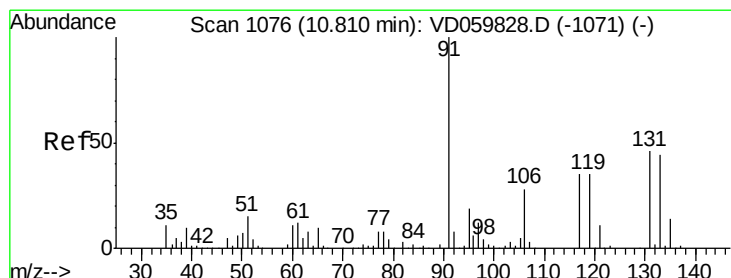
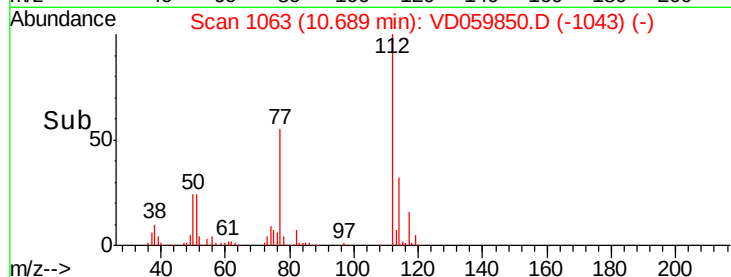
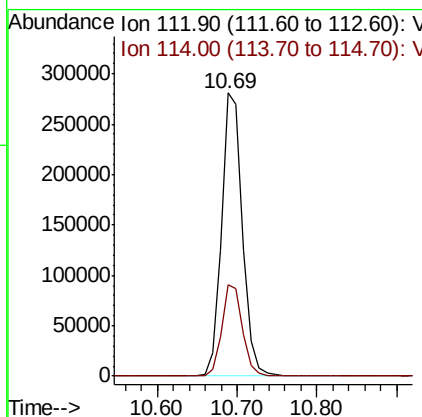
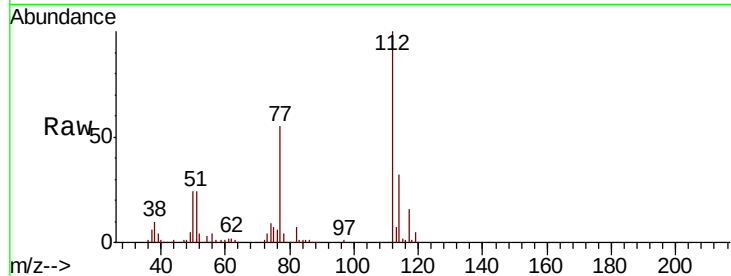
#65
Chlorobenzene
Concen: 20.76 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:112 Resp: 518170
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

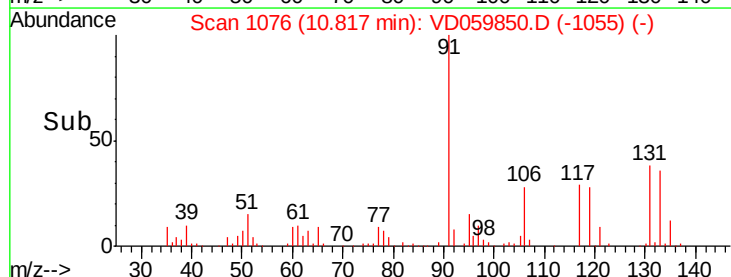
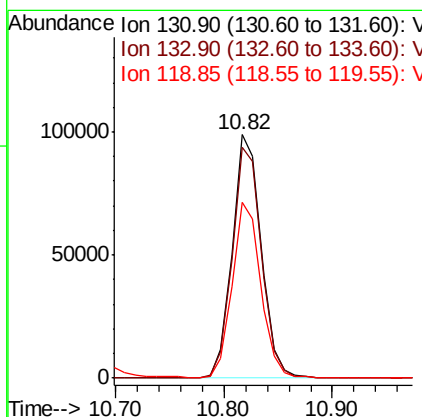
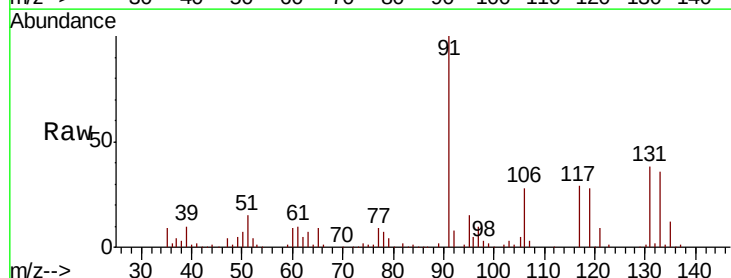
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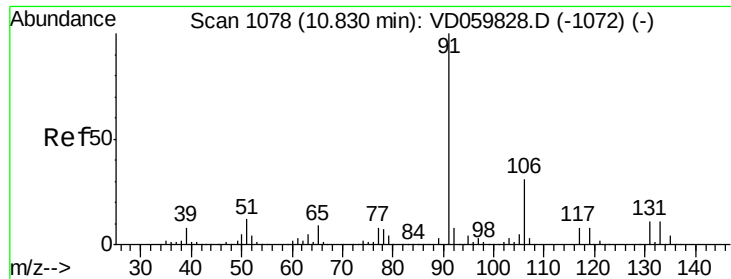
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.51 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion:131 Resp: 183235
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.4
119 72.1 37.5 112.7





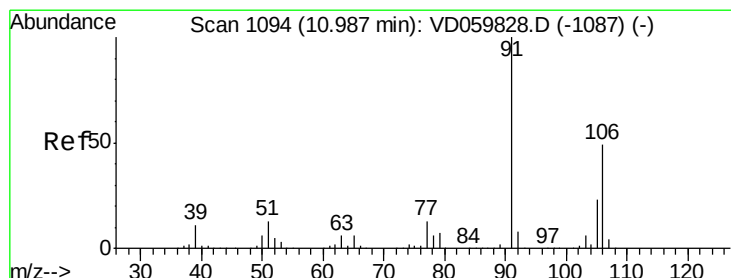
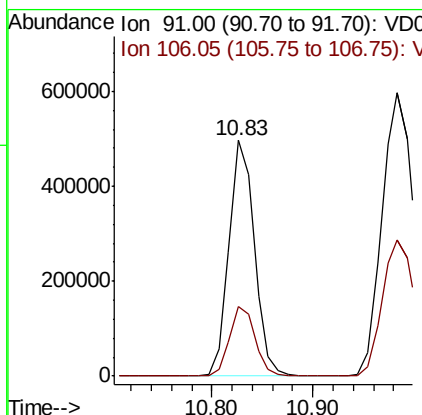
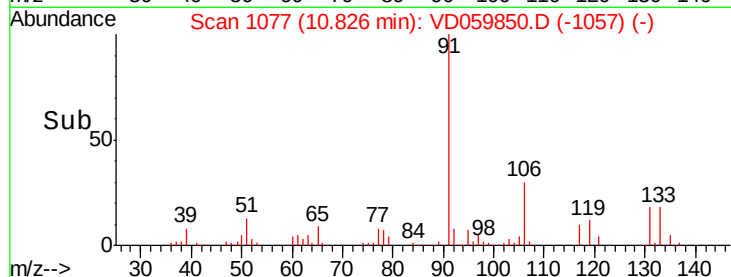
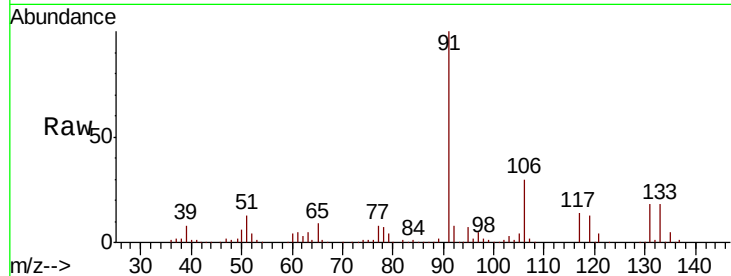
#67
Ethyl Benzene
Concen: 19.43 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 91 Resp: 869923
Ion Ratio Lower Upper
91 100
106 29.6 25.1 37.7

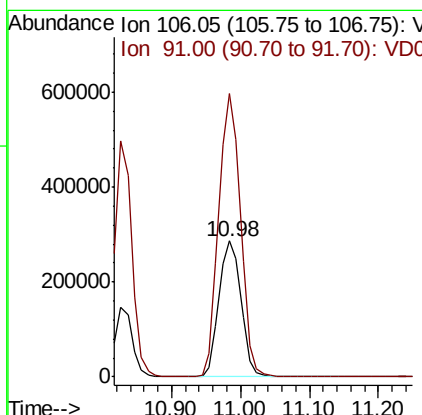
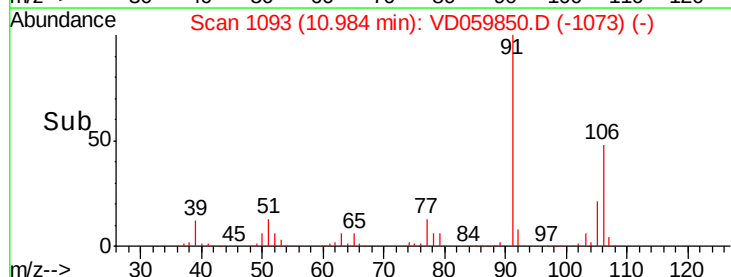
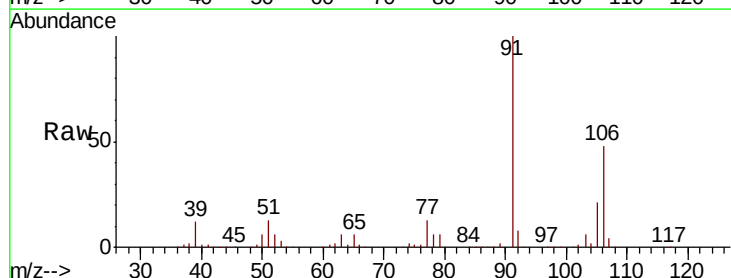
Manual Integrations
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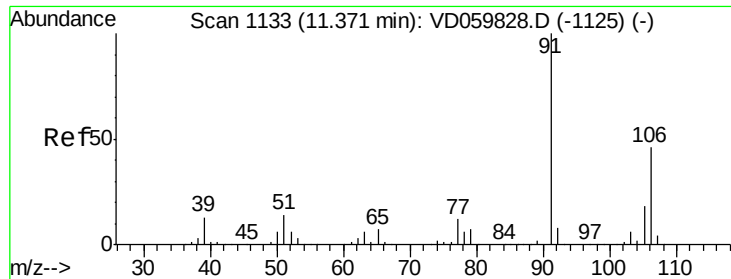
apatel
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#68
m/p-Xylenes
Concen: 38.78 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion: 106 Resp: 636512
Ion Ratio Lower Upper
106 100
91 208.8 161.8 242.8





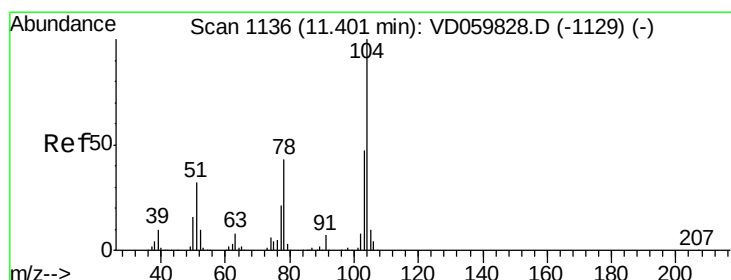
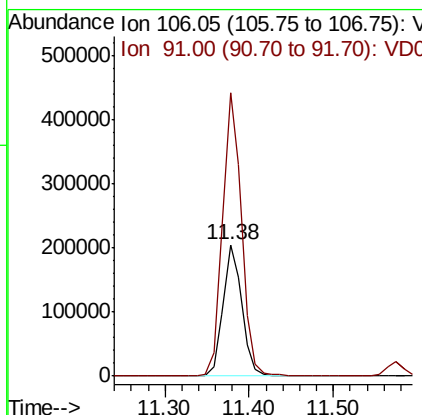
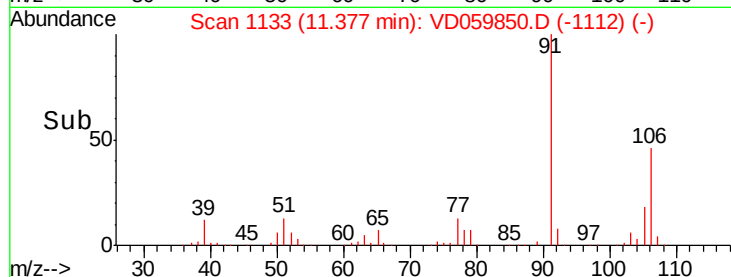
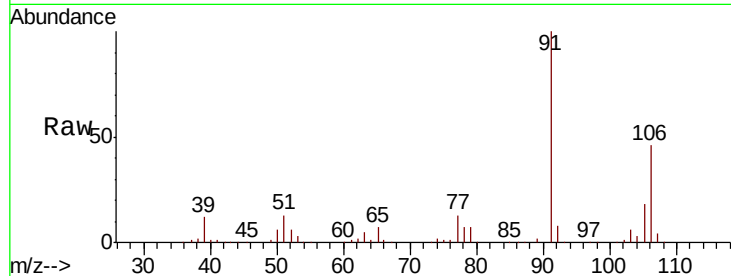
#69
o-Xylene
Concen: 21.91 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:106 Resp: 316955
Ion Ratio Lower Upper
106 100
91 215.5 108.5 325.3

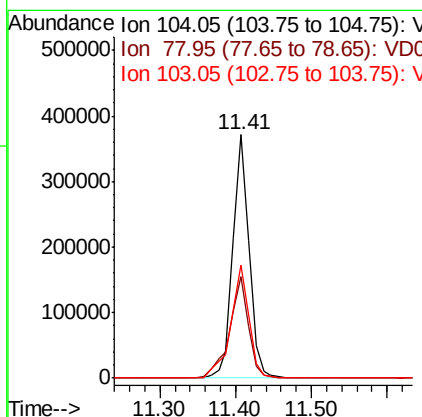
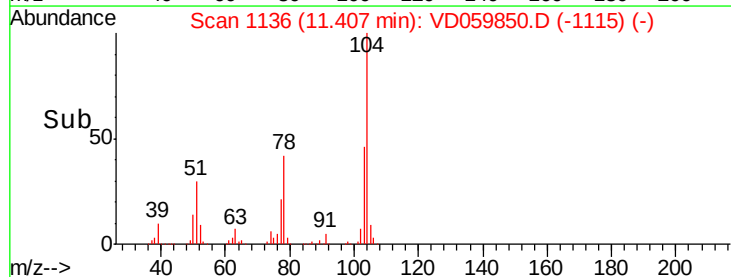
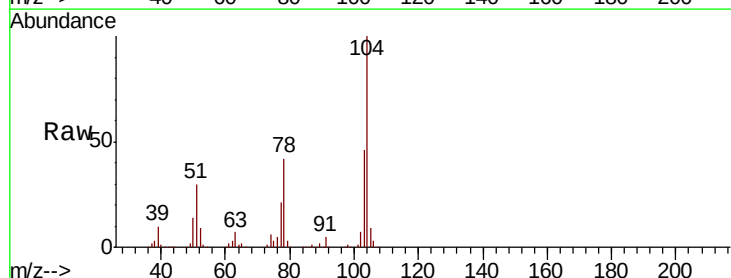
Manual Integrations
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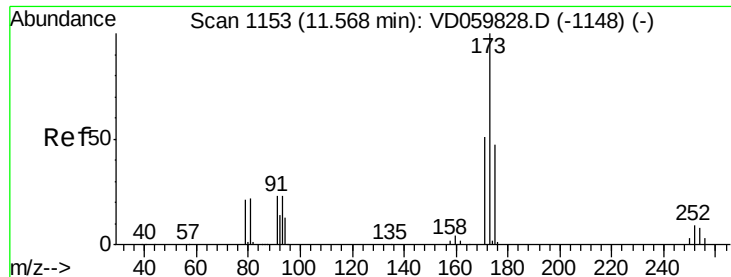
apatel
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#70
Styrene
Concen: 21.67 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion:104 Resp: 545837
Ion Ratio Lower Upper
104 100
78 41.6 34.6 52.0
103 46.3 37.8 56.6





#71

Bromoform

Concen: 19.33 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

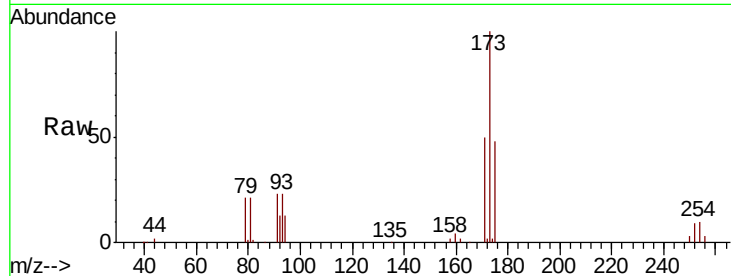
ClientSampleId :

VD0821SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.7	71.1
254	9.5	6.7	10.1

Manual Integrations
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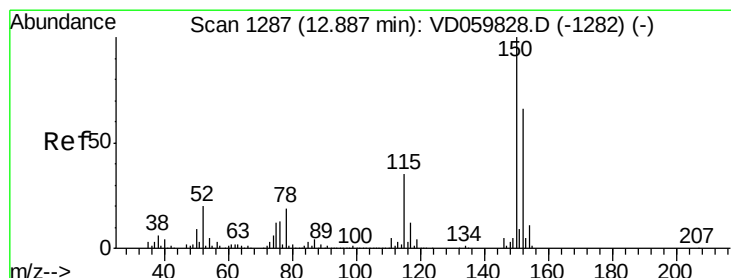
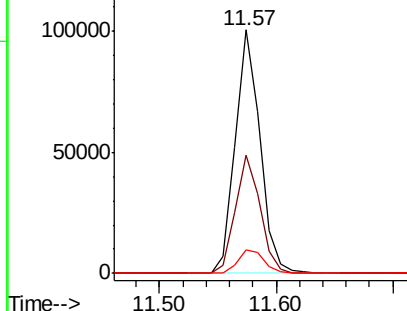
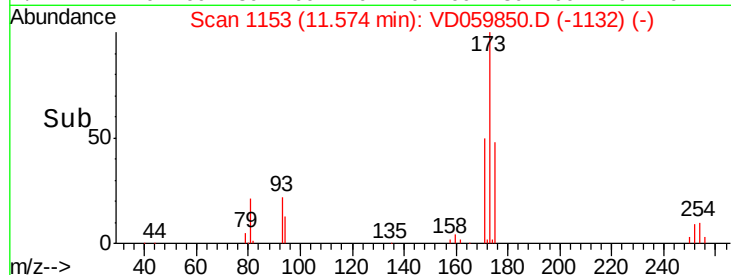
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

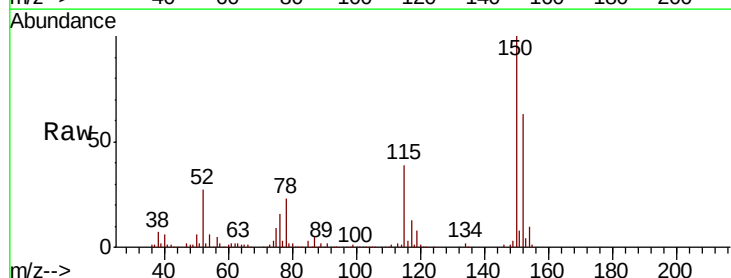
RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

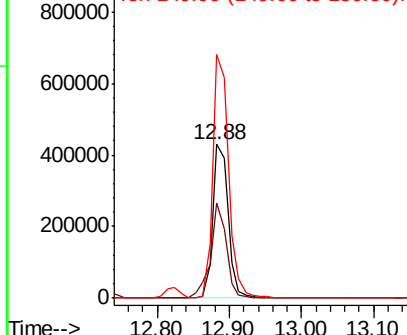
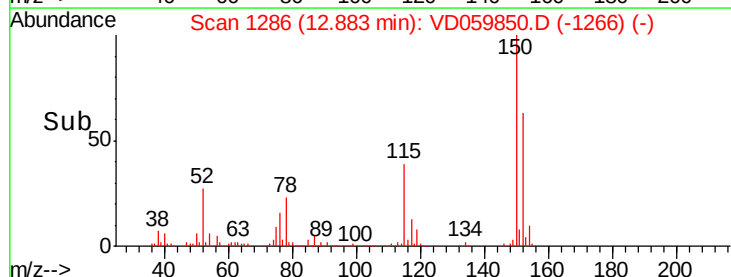
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	26.9	80.6
150	158.7	0.0	306.8

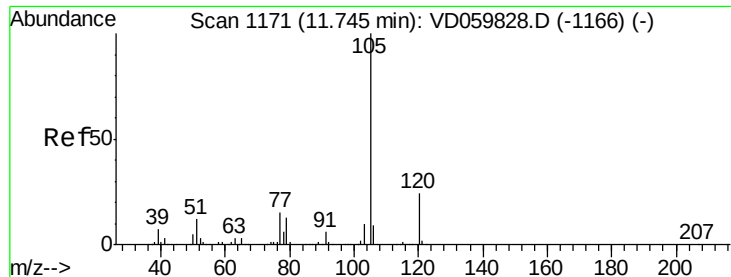


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.13 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 105 Resp: 856641

Ion Ratio Lower Upper

105 100

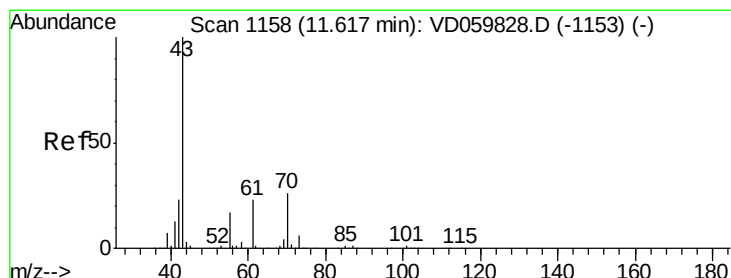
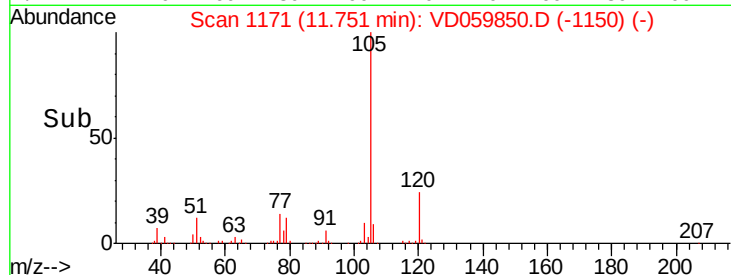
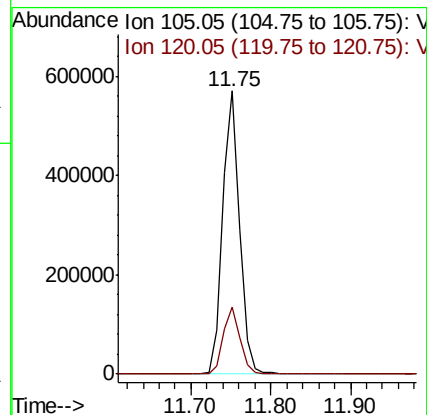
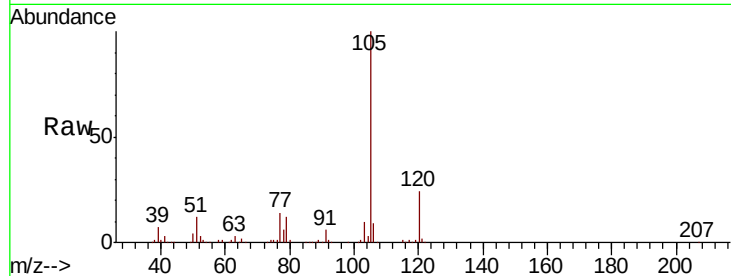
120 23.7 11.9 35.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.74 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion: 43 Resp: 338100

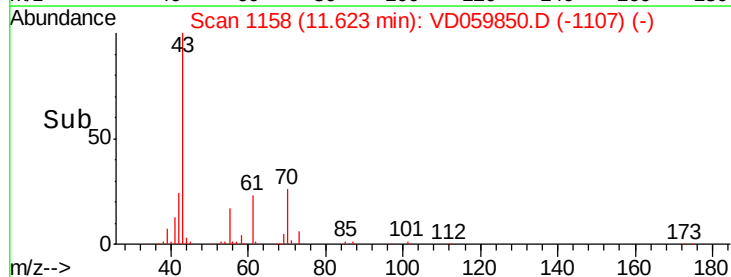
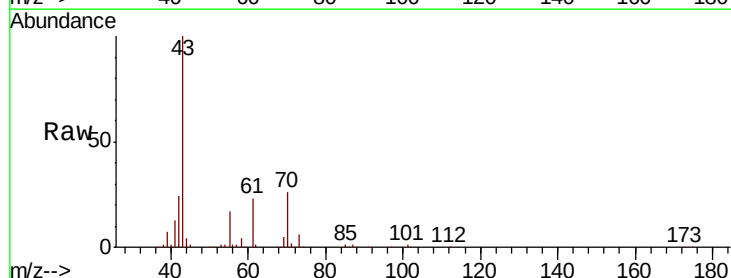
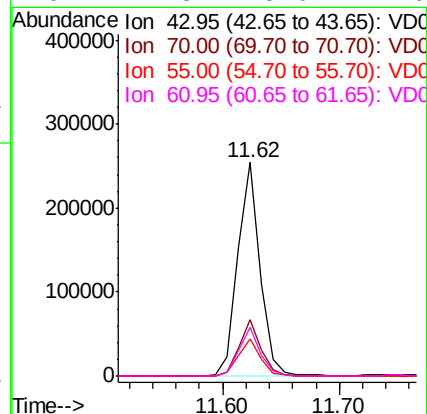
Ion Ratio Lower Upper

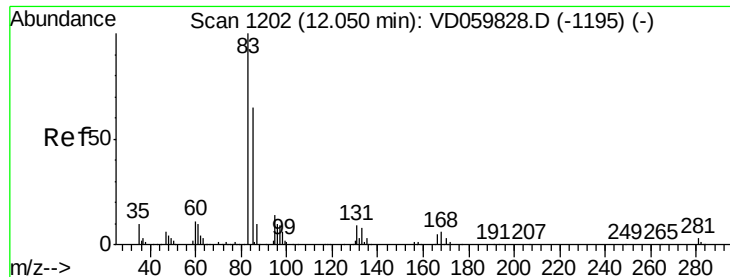
43 100

70 26.3 20.5 30.7

55 17.3 13.7 20.5

61 22.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.98 ug/l

RT: 12.06 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

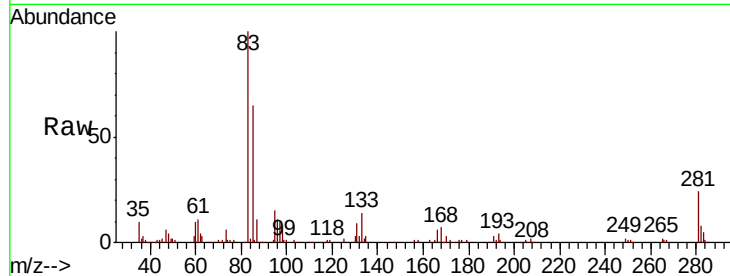
ClientSampleId :

VD0821SBS01

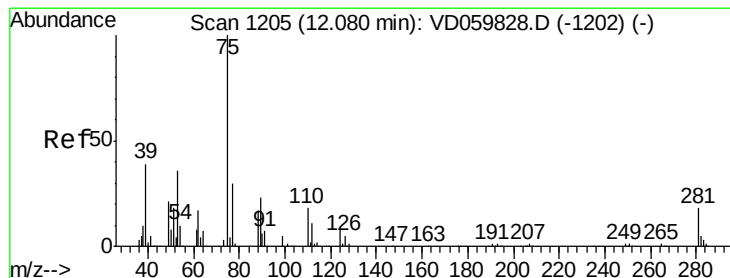
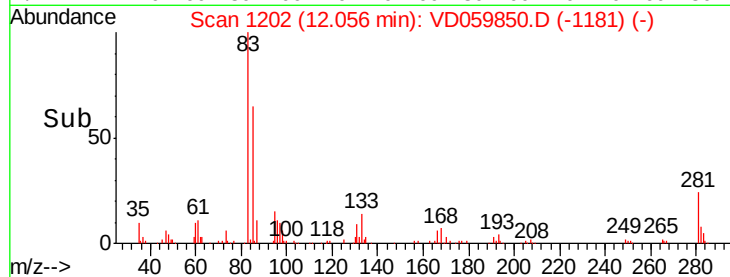
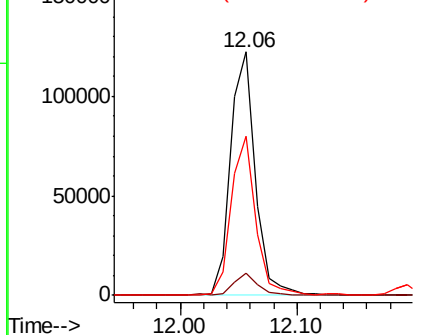
Tot Ion:	83	Resp:	180331
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.3	13.1
85	65.5	32.5	97.5

Manual Integrations
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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



#76

1,2,3-Trichloropropane

Concen: 17.99 ug/l

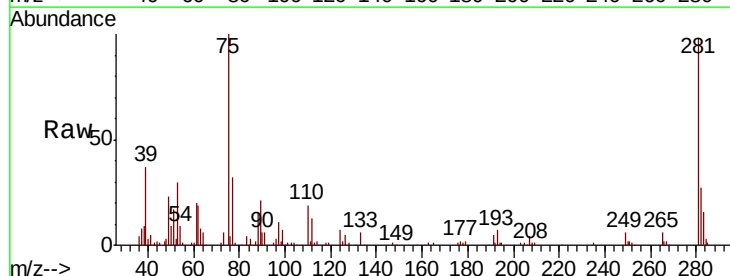
RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

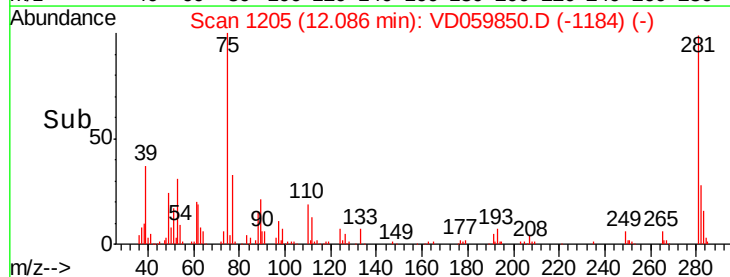
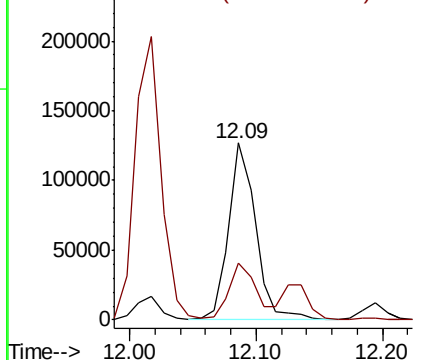
Lab File: VD059850.D

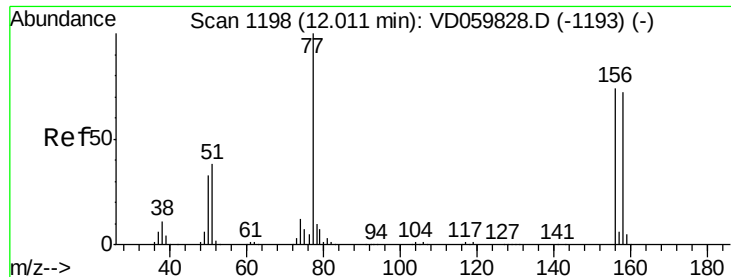
Acq: 21 Aug 2018 12:35

Tgt Ion:	75	Resp:	185900
Ion Ratio	Lower	Upper	
75	100		
77	32.3	16.0	47.9



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





#77

Bromobenzene

Concen: 19.60 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:156 Resp: 231866

Ion Ratio Lower Upper

156 100

77 115.5 68.0 204.0

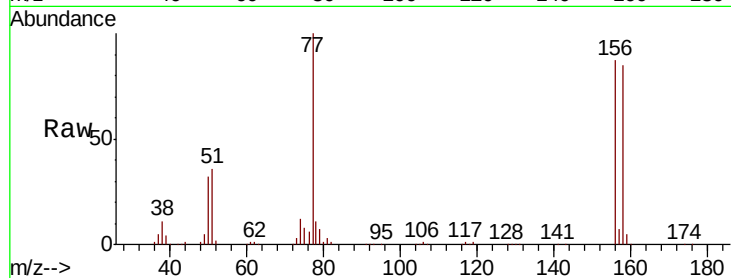
158 98.1 48.9 146.8

Manual Integrations

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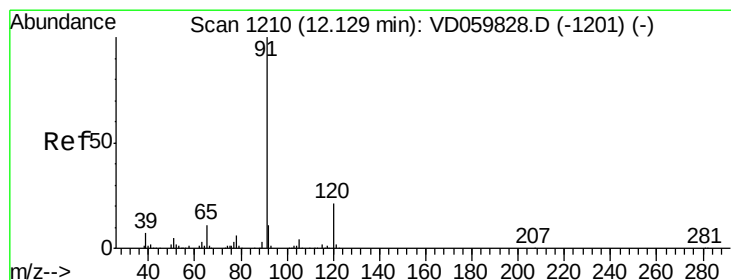
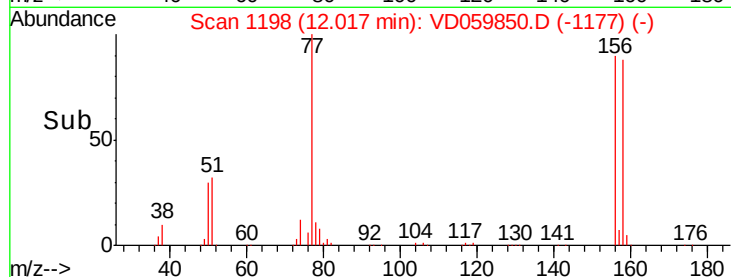
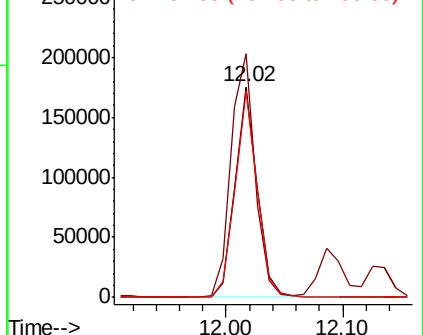
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.85 ug/l

RT: 12.14 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VD059850.D

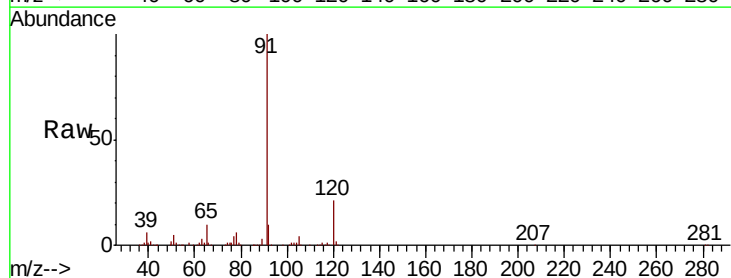
Acq: 21 Aug 2018 12:35

Tgt Ion: 91 Resp: 1102069

Ion Ratio Lower Upper

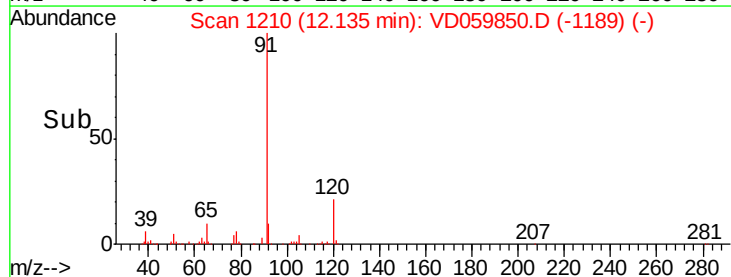
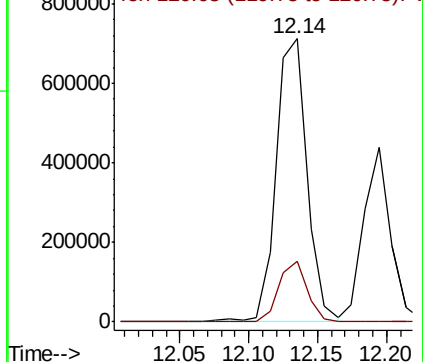
91 100

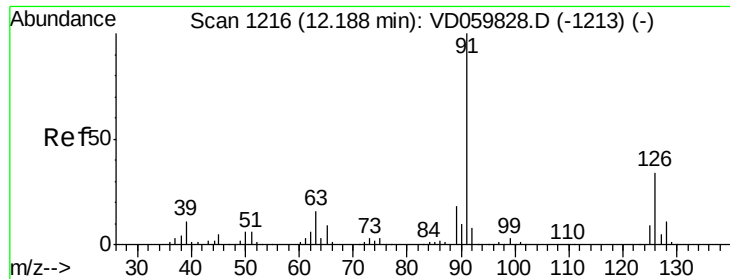
120 21.3 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.39 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 91 Resp: 590090

Ion Ratio Lower Upper

91 100

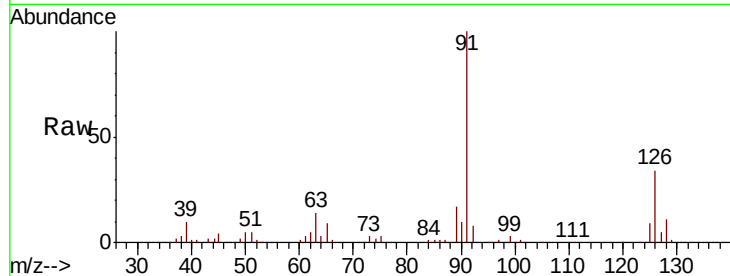
126 33.7 16.6 49.8

Manual Integrations

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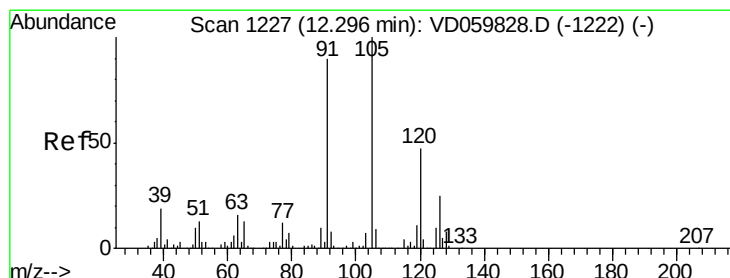
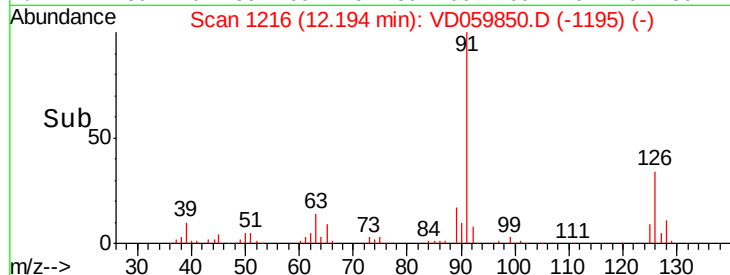
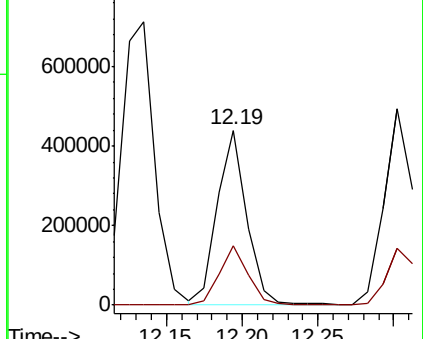
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 18.95 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059850.D

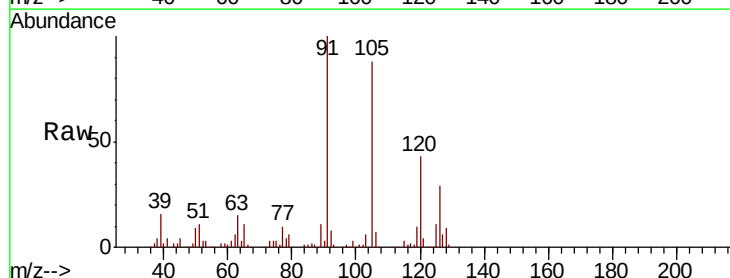
Acq: 21 Aug 2018 12:35

Tgt Ion:105 Resp: 664762

Ion Ratio Lower Upper

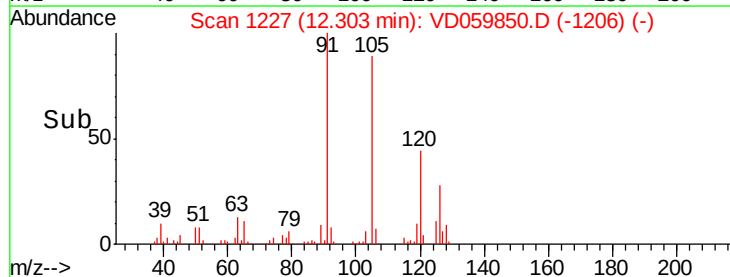
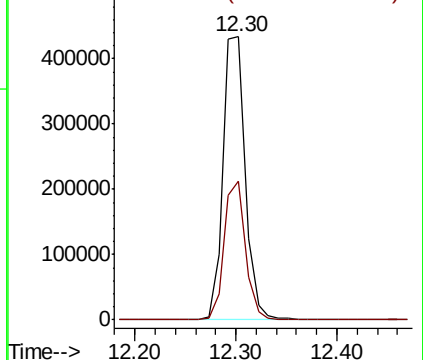
105 100

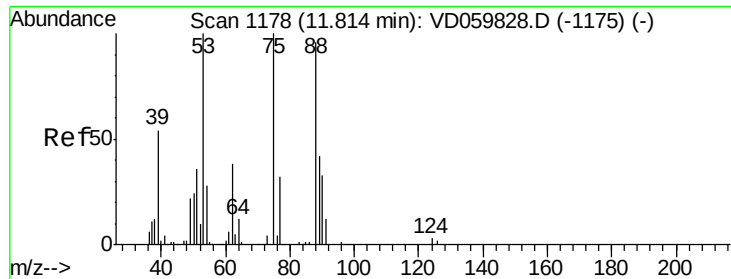
120 49.2 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.02 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 75 Resp: 54982

Ion Ratio Lower Upper

75 100

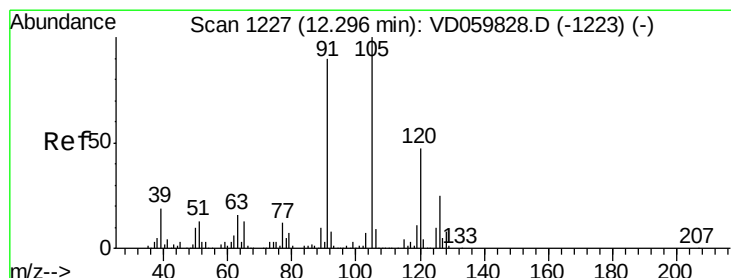
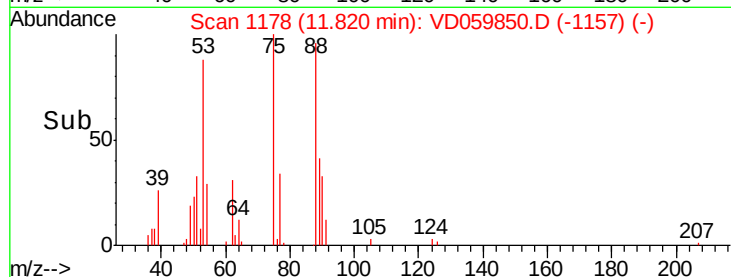
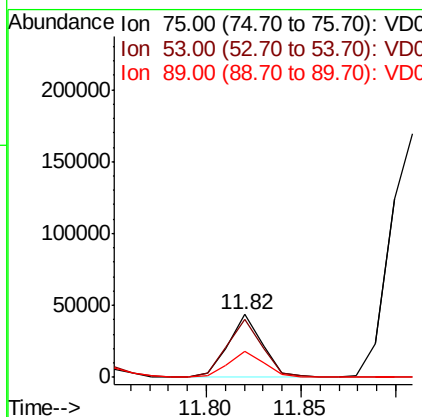
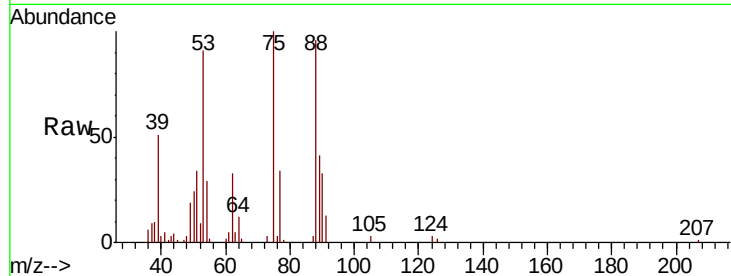
53 91.5 80.7 121.1

89 40.7 33.9 50.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.39 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059850.D

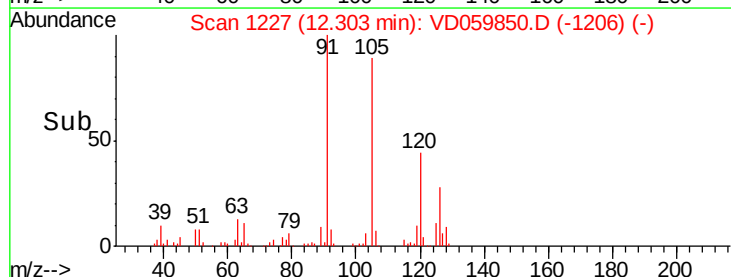
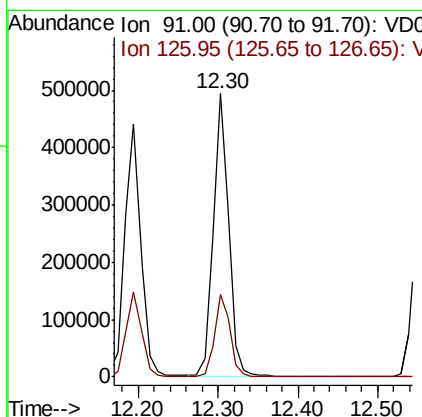
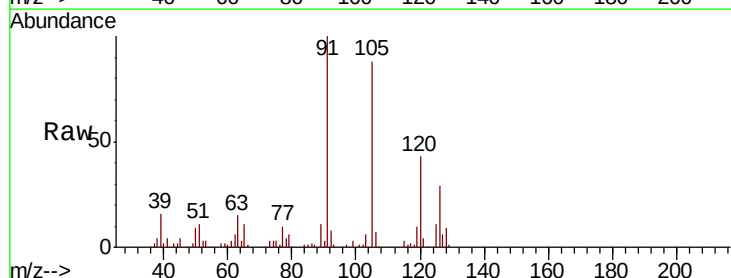
Acq: 21 Aug 2018 12:35

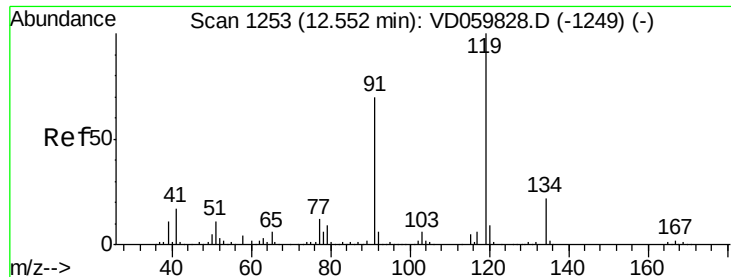
Tgt Ion: 91 Resp: 671107

Ion Ratio Lower Upper

91 100

126 29.0 13.7 41.0





#83

tert-Butylbenzene

Concen: 19.56 ug/l m

RT: 12.56 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

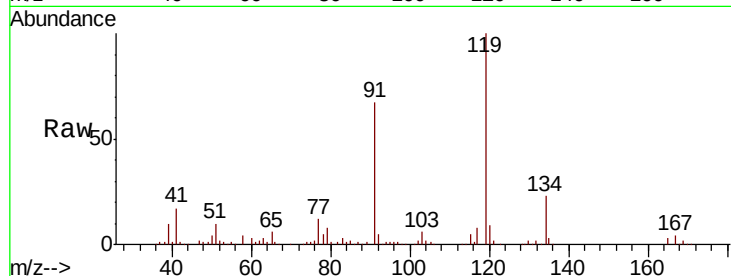
ClientSampleId :

VD0821SBS01

Tot Ion:	119	Resp:	656800
Ion Ratio	Lower	Upper	
119	100		
91	66.9	35.1	105.3
134	23.0	11.0	33.0

Manual Integrations
APPROVED

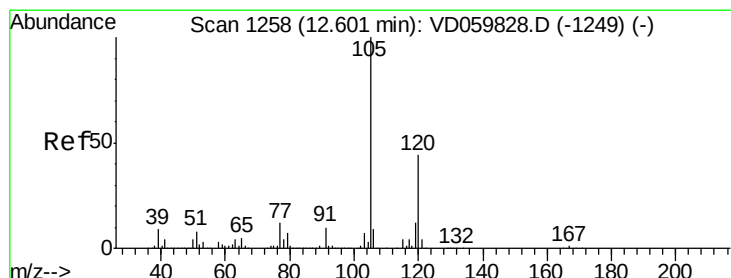
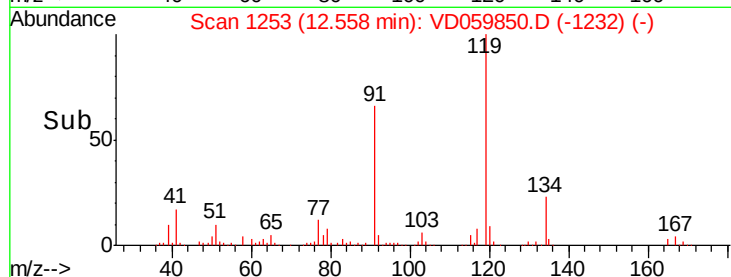
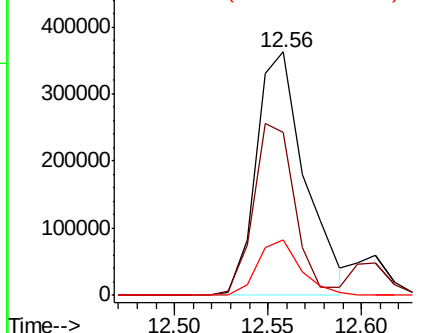
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.71 ug/l

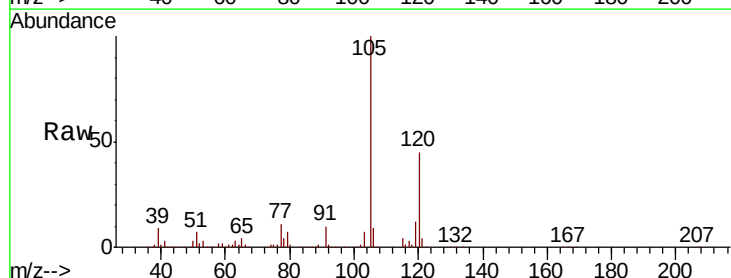
RT: 12.61 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VD059850.D

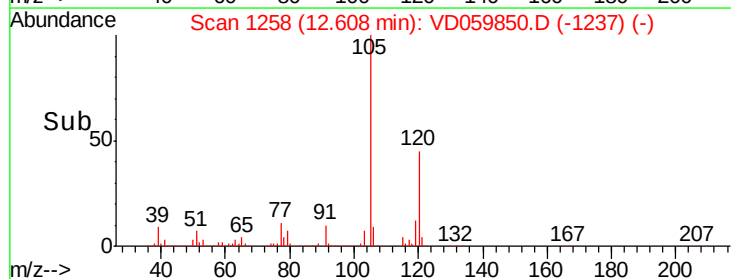
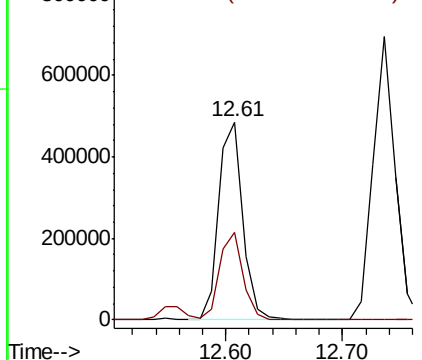
Acq: 21 Aug 2018 12:35

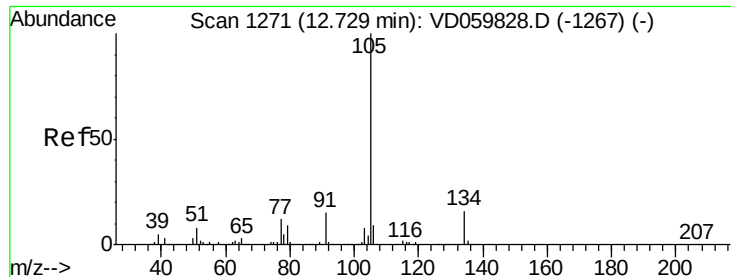
Tgt Ion:	105	Resp:	690221
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.0	66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





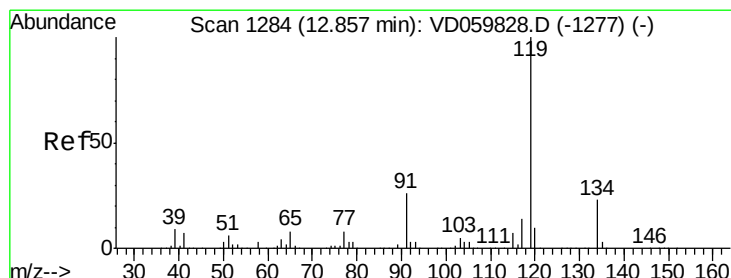
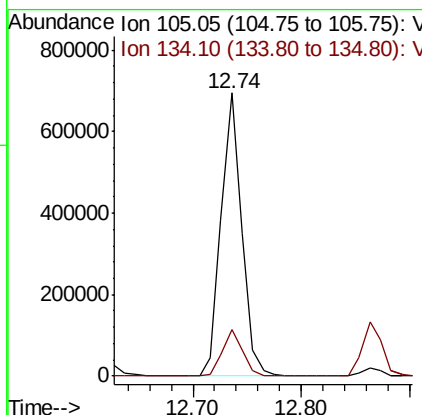
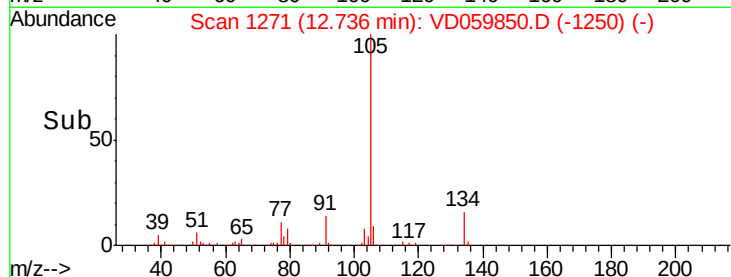
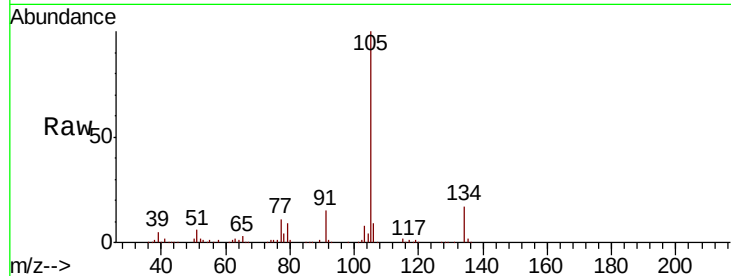
#85
 sec-Butylbenzene
 Concen: 20.65 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.5	7.8	23.5

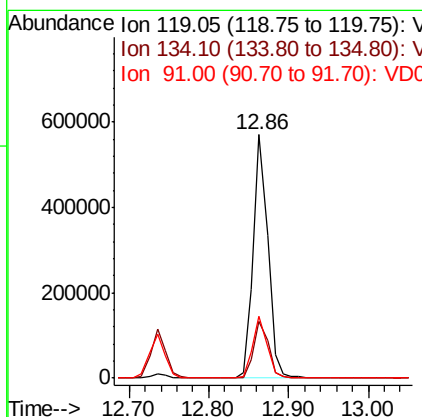
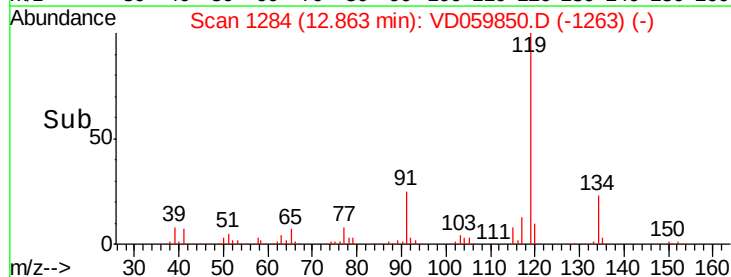
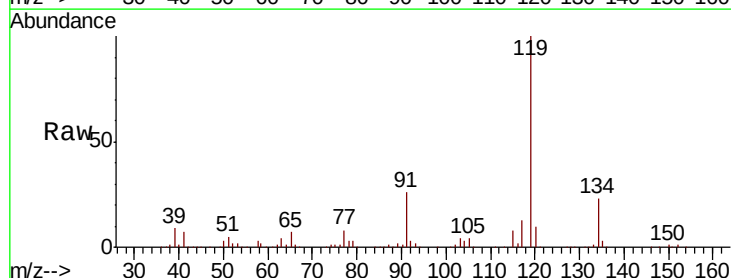
Manual Integrations
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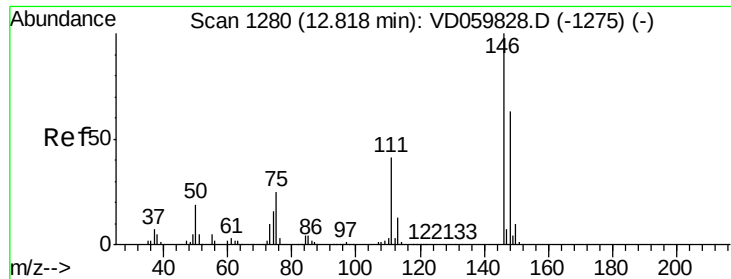
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#86
 p-Isopropyltoluene
 Concen: 20.18 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.3	11.5	34.5
91	25.6	13.2	39.6





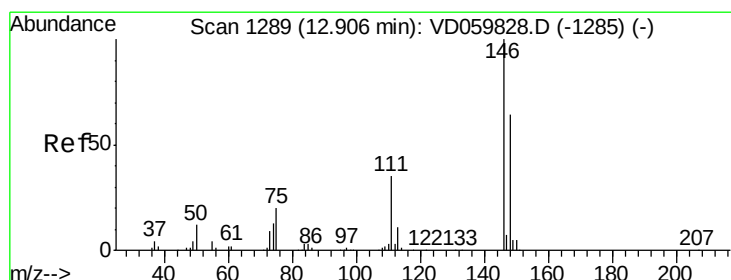
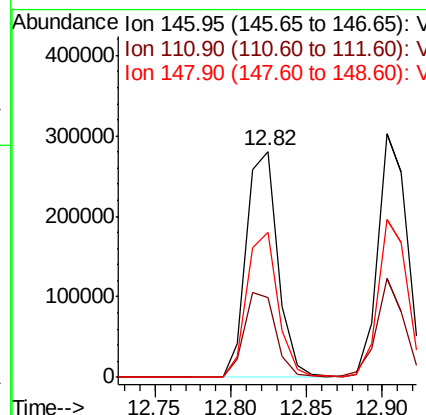
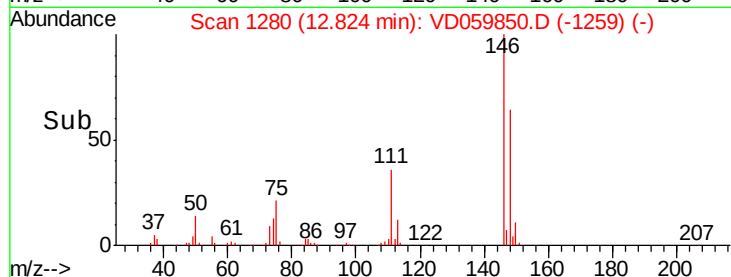
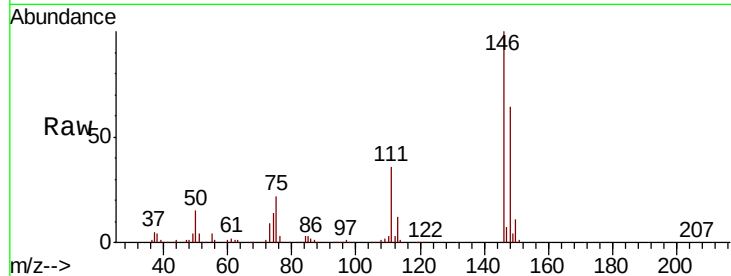
#87
 1,3-Dichlorobenzene
 Concen: 20.50 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.3	60.9
148	64.1	31.6	94.7

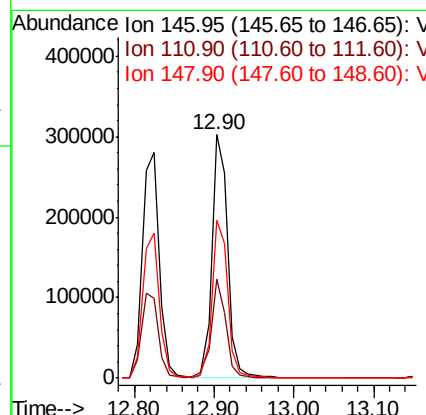
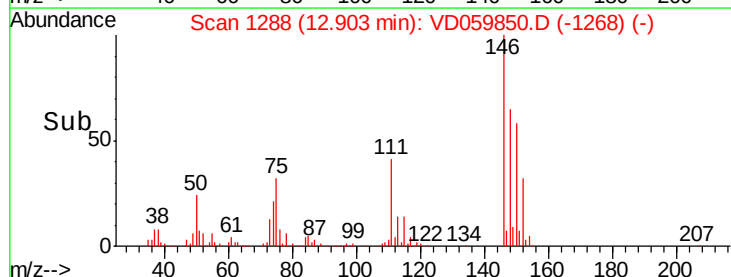
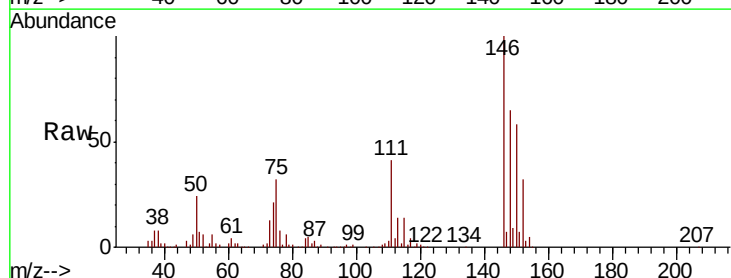
Manual Integrations
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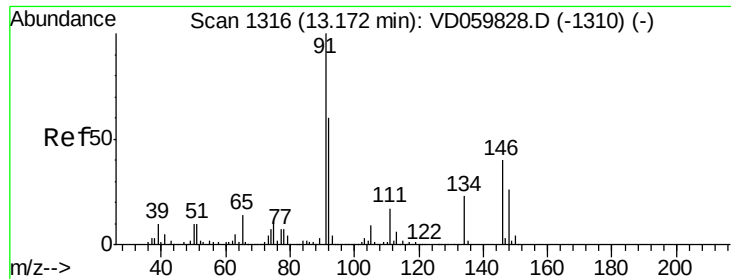
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#88
 1,4-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	17.8	53.3
148	65.0	31.9	95.9





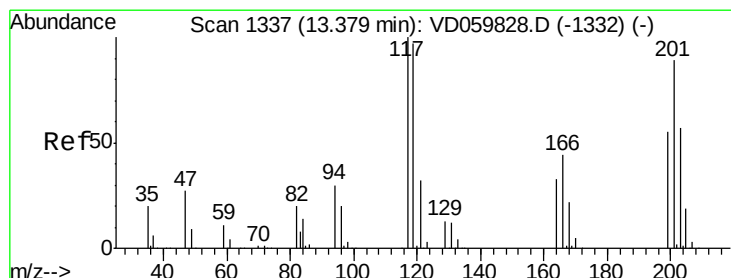
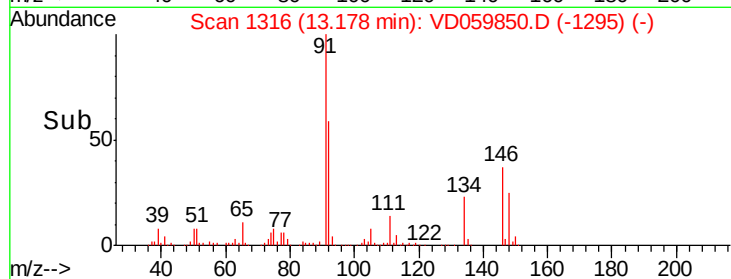
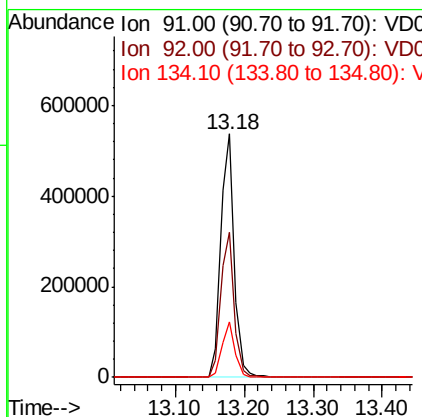
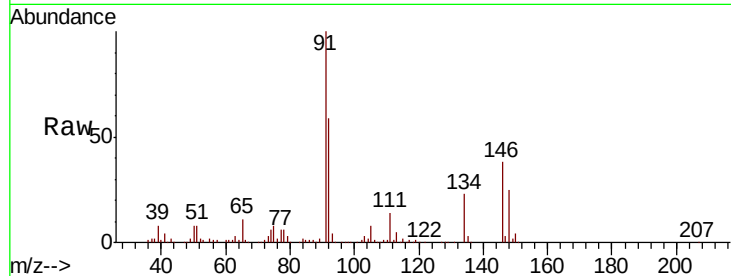
#89
n-Butylbenzene
Concen: 19.04 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	29.8	89.5
134	23.0	11.5	34.4

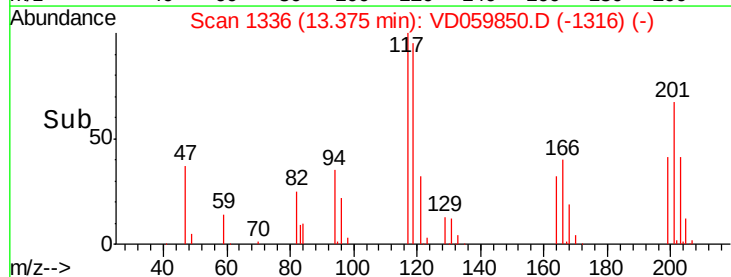
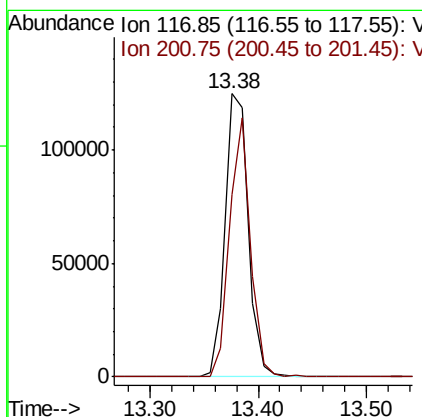
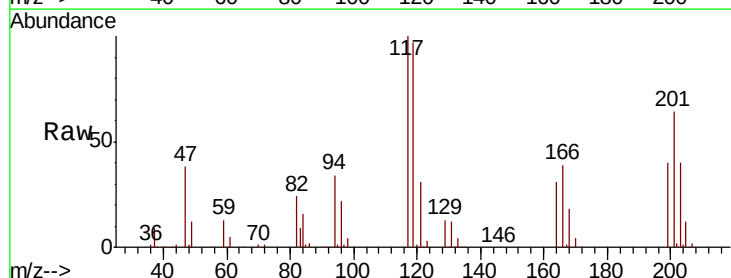
Manual Integrations
APPROVED

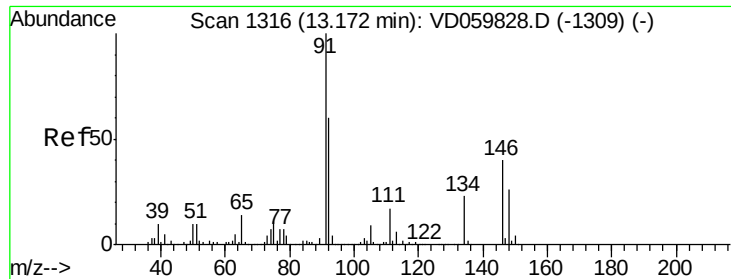
apatel
8/22/2018 12:42:37 PM



#90
Hexachloroethane
Concen: 18.76 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059850.D
Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.4	44.6	134.0





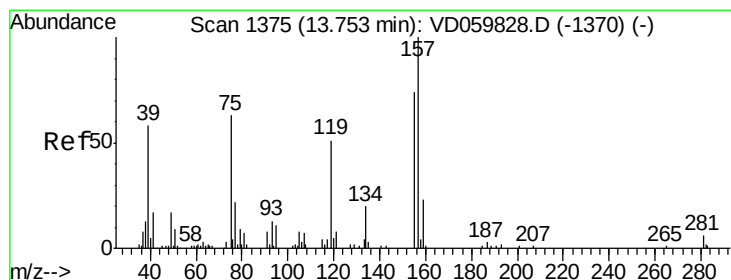
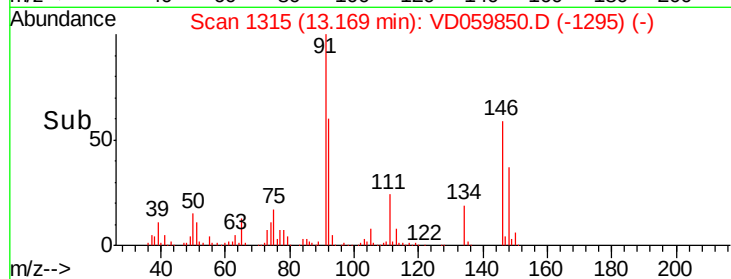
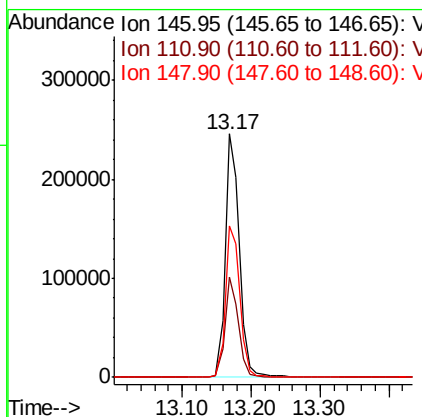
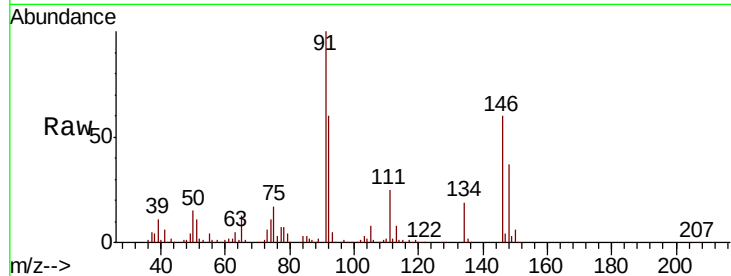
#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.8
148	62.1	31.6	94.8

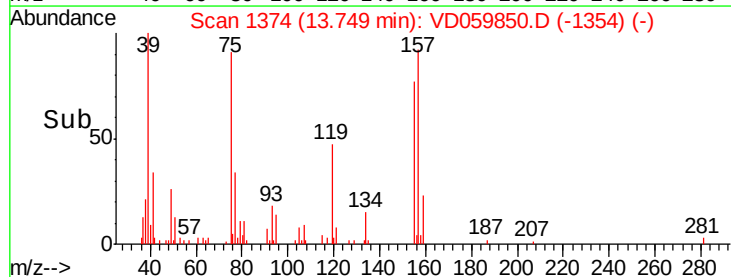
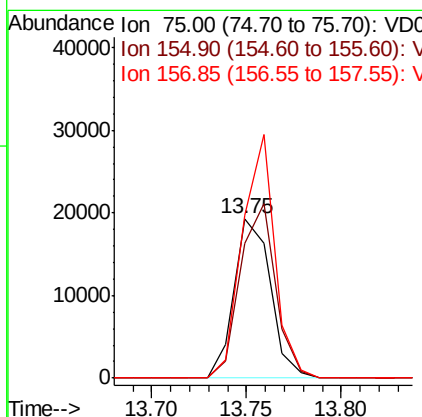
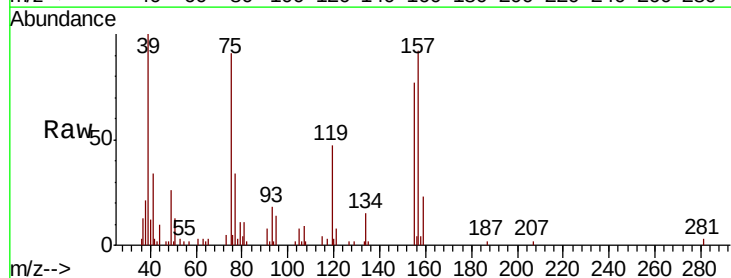
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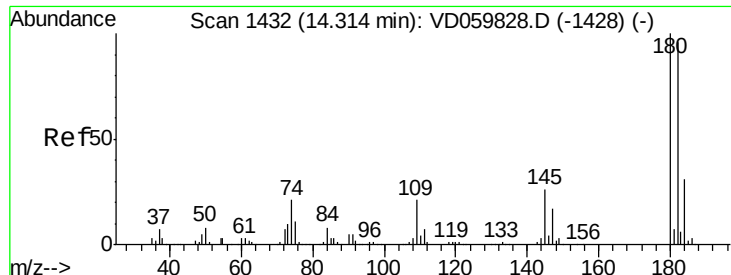
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.13 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	59.1	177.3
157	101.9	79.7	238.9





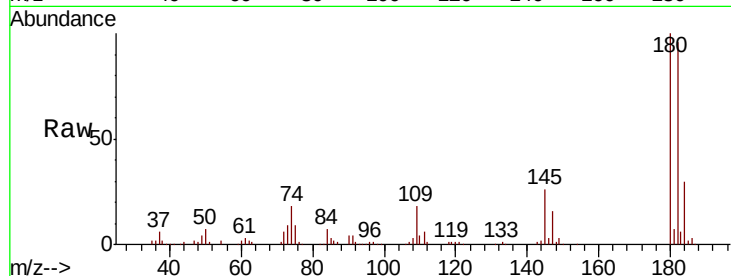
#93
 1,2,4-Trichlorobenzene
 Concen: 20.48 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

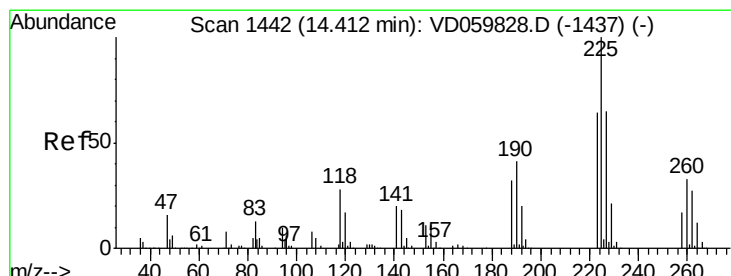
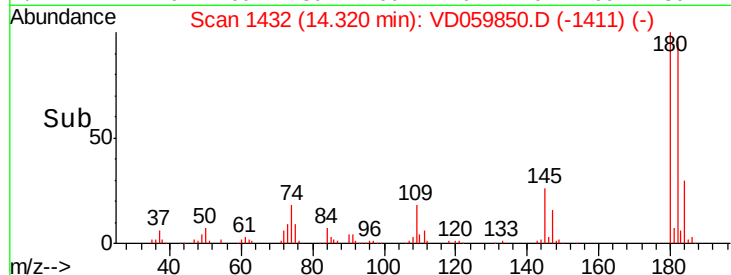
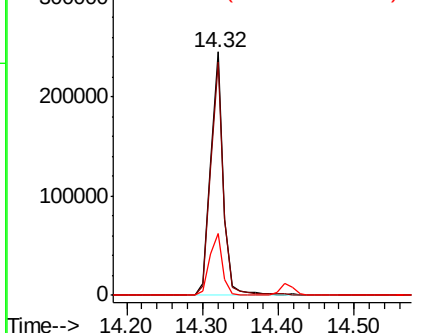
Tot Ion	Ratio	Resp	Lower	Upper
180	100	292812		
182	96.0	48.0	144.0	
145	25.5	13.1	39.1	

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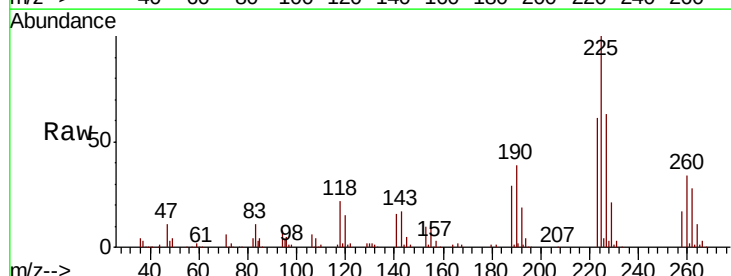


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

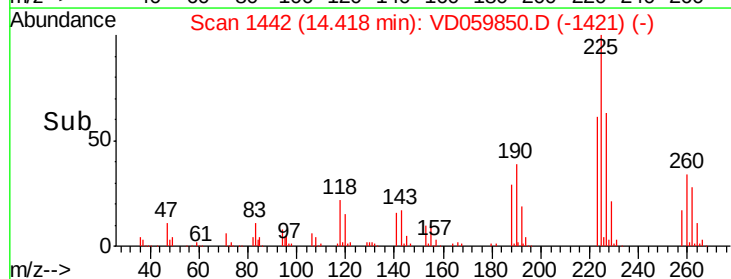
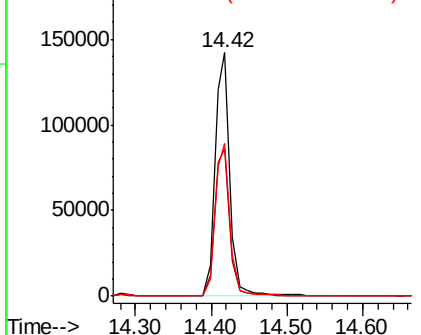


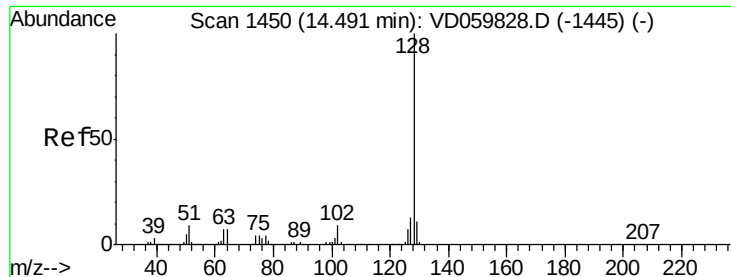
#94
 Hexachlorobutadiene
 Concen: 20.49 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VD059850.D
 Acq: 21 Aug 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197082		
223	60.6	31.8	95.4	
227	62.9	32.8	98.3	



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: 18.78 ug/l

RT: 14.50 min Scan# 1450

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Instrument :

MSVOA_D

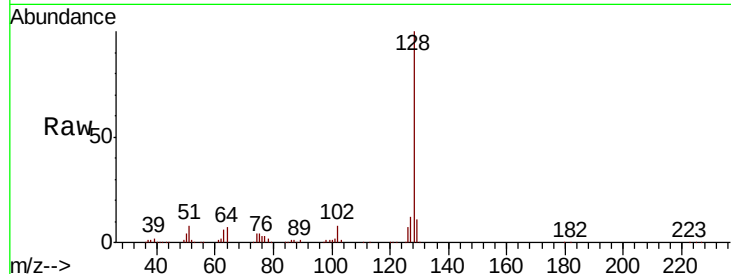
ClientSampleId :

VD0821SBS01

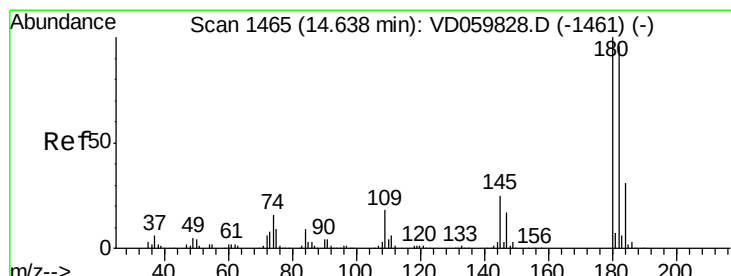
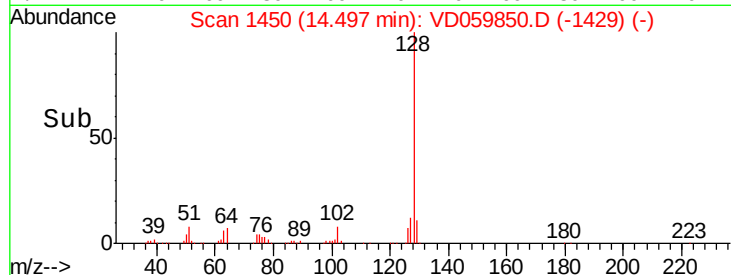
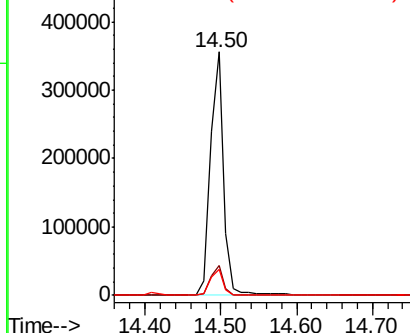
Tot Ion:	128	Resp:	438576
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	10.8	8.7	13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.02 ug/l

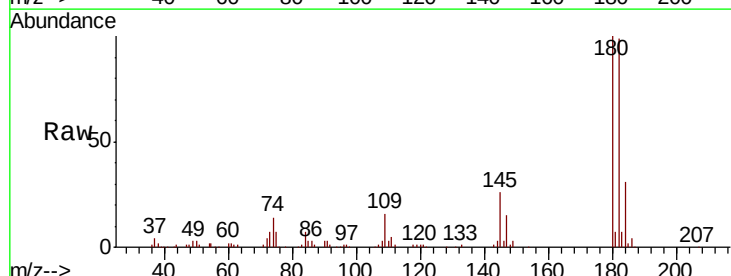
RT: 14.64 min Scan# 1465

Delta R.T. 0.01 min

Lab File: VD059850.D

Acq: 21 Aug 2018 12:35

Tgt Ion:	180	Resp:	250838
Ion Ratio	Lower	Upper	
180	100		
182	99.1	47.8	143.4
145	26.2	12.7	38.0



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

