

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059945.D
 Acq On : 4 Sep 2018 15:31
 Operator : JC/SY
 Sample : VD0904SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Manual Integrations
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 9/5/2018 12:25:40 PM

Quant Time: Sep 05 04:09:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1258572	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1687977	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1416950	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	748558	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	489515	46.15	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	92.30%	
35) Dibromofluoromethane	6.29	113	641352	48.46	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	96.92%	
50) Toluene-d8	9.43	98	1740169	47.38	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.42	95	720470	48.30	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	183423	16.30	ug/l	100
3) Chloromethane	1.74	50	164656	16.16	ug/l	98
4) Vinyl Chloride	1.83	62	134762	16.86	ug/l	100
5) Bromomethane	2.11	94	11891	8.62	ug/l	80
6) Chloroethane	2.21	64	32831	11.37	ug/l	97
7) Trichlorofluoromethane	2.47	101	162270	17.55	ug/l	96
8) Diethyl Ether	2.79	74	35881	17.30	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	115003	20.31	ug/l	96
10) Methyl Iodide	3.20	142	85427	16.65	ug/l	98
11) Tert butyl alcohol	3.95	59	78493	96.98	ug/l	96
12) 1,1-Dichloroethene	3.03	96	82334	18.68	ug/l	91
13) Acrolein	2.95	56	19609	55.86	ug/l	99
14) Allyl chloride	3.49	41	201280	20.19	ug/l	95
15) Acrylonitrile	4.05	53	298246	98.40	ug/l	99
16) Acetone	3.13	43	176922	91.54	ug/l	98
17) Carbon Disulfide	3.27	76	203967	14.91	ug/l	97
18) Methyl Acetate	3.52	43	73384	18.19	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	477827	19.16	ug/l	100
20) Methylene Chloride	3.68	84	386539	28.36	ug/l	95
21) trans-1,2-Dichloroethene	4.05	96	222928	18.36	ug/l	96
22) Diisopropyl ether	4.82	45	974309	19.16	ug/l	98
23) Vinyl Acetate	4.77	43	2807728	98.77	ug/l	99
24) 1,1-Dichloroethane	4.72	63	407298	18.54	ug/l	100
25) 2-Butanone	5.60	43	495704	86.60	ug/l	99
26) 2,2-Dichloropropane	5.55	77	362789	19.75	ug/l	96
27) cis-1,2-Dichloroethene	5.56	96	266824	20.07	ug/l	98
28) Bromochloromethane	5.89	49	210051	19.95	ug/l	95
29) Tetrahydrofuran	5.93	42	262072	96.17	ug/l	98
30) Chloroform	6.07	83	458393	20.53	ug/l	98
31) Cyclohexane	6.33	56	345924	17.13	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	362527	19.13	ug/l	100
36) 1,1-Dichloropropene	6.49	75	303121	19.81	ug/l	99
37) Ethyl Acetate	5.66	43	238511	20.03	ug/l	98
38) Carbon Tetrachloride	6.46	117	308893	20.00	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	307724	18.61	ug/l	96
40) Benzene	6.77	78	808319	20.32	ug/l	98
41) Methacrylonitrile	5.89	41	114360m	19.07	ug/l	
42) 1,2-Dichloroethane	6.87	62	254903	19.96	ug/l	97
43) Isopropyl Acetate	8.33	43	313574	20.24	ug/l	100
44) Trichloroethene	7.71	130	241563	20.62	ug/l	98
45) 1,2-Dichloropropane	8.08	63	230194	20.70	ug/l	97
46) Dibromomethane	8.19	93	143959	20.13	ug/l	92
47) Bromodichloromethane	8.47	83	328064	20.27	ug/l	100
48) Methyl methacrylate	8.22	41	174882	19.37	ug/l	99
49) 1,4-Dioxane	8.21	88	34458	427.42	ug/l #	92
51) 4-Methyl-2-Pentanone	9.33	43	1028137	89.03	ug/l	97
52) Toluene	9.52	92	524961	20.58	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	296156	19.78	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	355050	20.45	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	186136	19.96	ug/l	98
56) Ethyl methacrylate	10.01	69	213418	19.83	ug/l	98
57) 1,3-Dichloropropane	10.37	76	283207	20.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	559678	108.40	ug/l	98
59) 2-Hexanone	10.48	43	790103	92.76	ug/l	98
60) Dibromochloromethane	10.62	129	240795	20.54	ug/l	97
61) 1,2-Dibromoethane	10.74	107	189560	20.10	ug/l	100
64) Tetrachloroethene	10.23	164	217895	19.89	ug/l	96
65) Chlorobenzene	11.30	112	591714	21.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	219151	21.30	ug/l	98
67) Ethyl Benzene	11.41	91	1011985	21.36	ug/l	99
68) m/p-Xylenes	11.55	106	756004	43.83	ug/l	97
69) o-Xylene	11.92	106	360733	21.38	ug/l	96
70) Styrene	11.94	104	621969	21.29	ug/l	98
71) Bromoform	12.11	173	175791	19.75	ug/l #	98
73) Isopropylbenzene	12.27	105	1007114	21.08	ug/l	98
74) N-amyl acetate	12.12	43	416657	19.91	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	229459	20.76	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	239354	20.57	ug/l	99
77) Bromobenzene	12.53	156	287514	21.70	ug/l	85
78) n-propylbenzene	12.63	91	1275246	21.08	ug/l	98
79) 2-Chlorotoluene	12.70	91	708754	20.71	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	809998	21.32	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	65447	18.08	ug/l	93
82) 4-Chlorotoluene	12.80	91	844313	21.63	ug/l	96
83) tert-Butylbenzene	13.04	119	921271	21.29	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	833882	21.06	ug/l	100
85) sec-Butylbenzene	13.21	105	1109849	21.81	ug/l	99
86) p-Isopropyltoluene	13.33	119	895552	21.64	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	516261	21.83	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	514492	21.80	ug/l	98
89) n-Butylbenzene	13.64	91	929022	20.82	ug/l	96
90) Hexachloroethane	13.85	117	211671	19.05	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	463974	23.07	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32793	19.30	ug/l	76

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	369153	21.44	ug/l	98
94) Hexachlorobutadiene	14.88	225	250050	22.15	ug/l	98
95) Naphthalene	14.96	128	560315	21.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	320520	21.76	ug/l	95

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

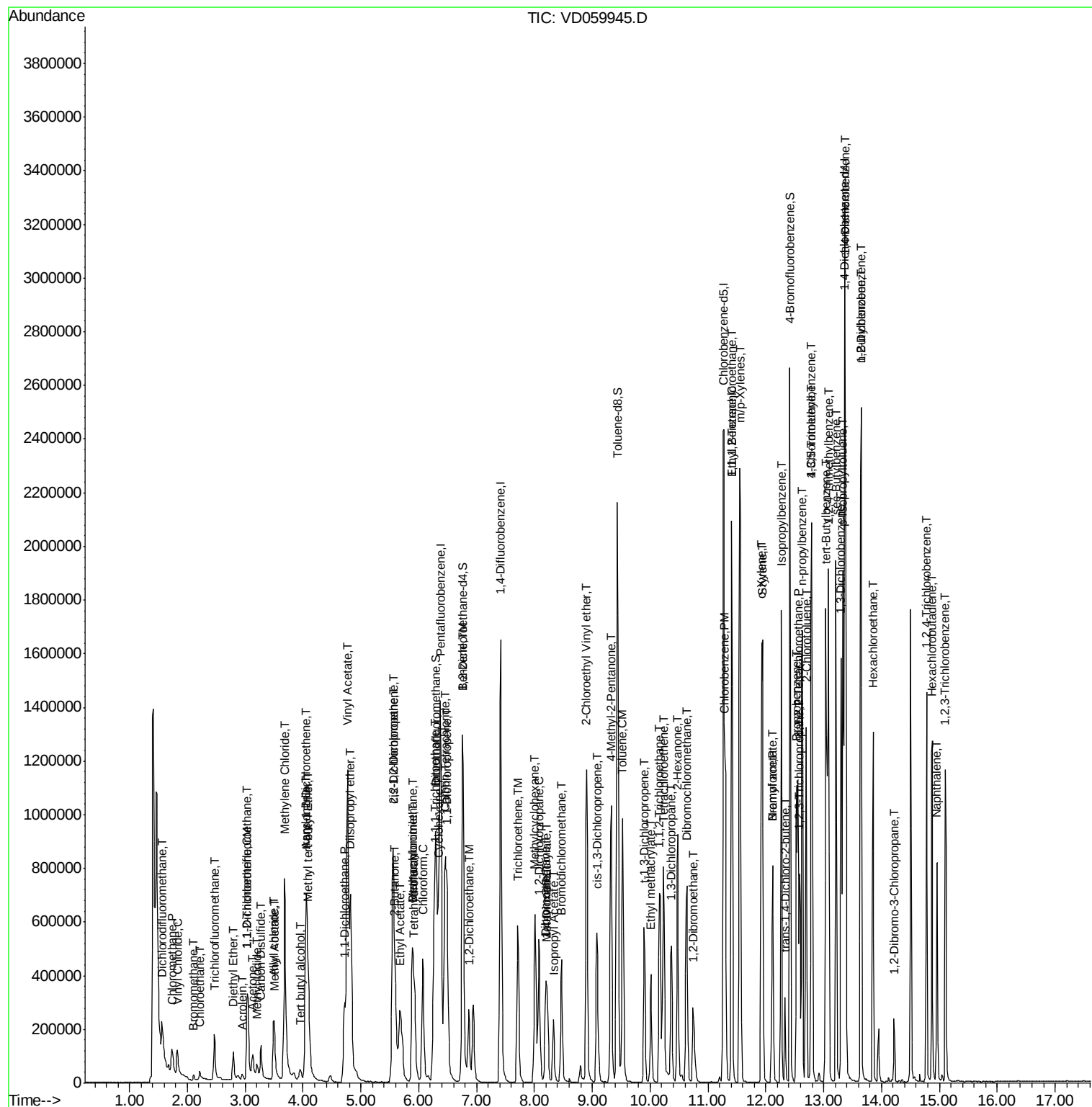
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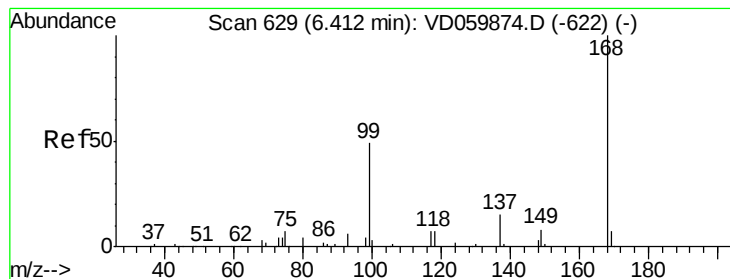
Instrument :
MSVOA_D
ClientSampleID :
VD0904SBS01

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion:168 Resp: 1258572

Ion Ratio Lower Upper

168 100

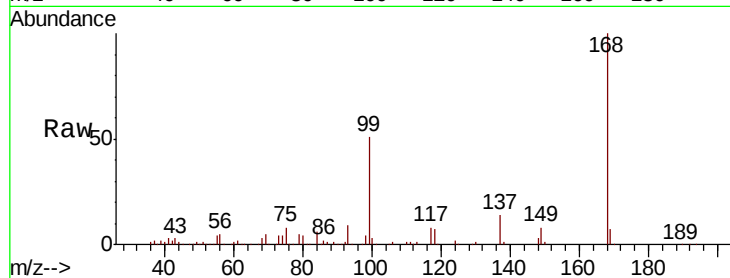
99 50.7 42.2 63.2

Manual Integrations

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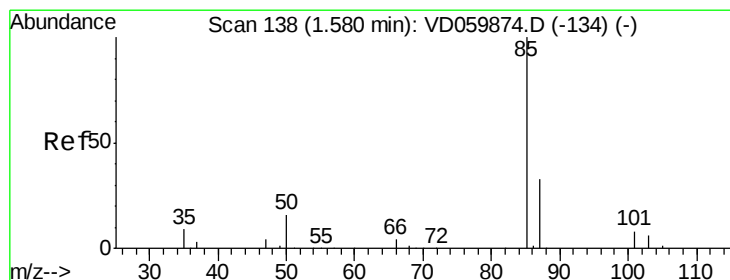
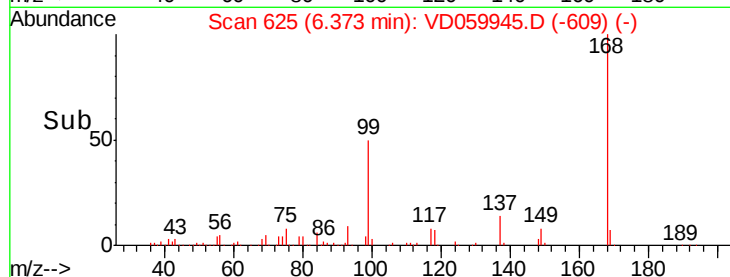
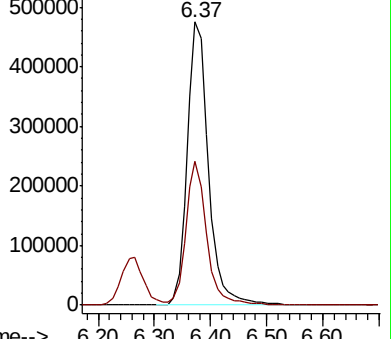
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.30 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.02 min

Lab File: VD059945.D

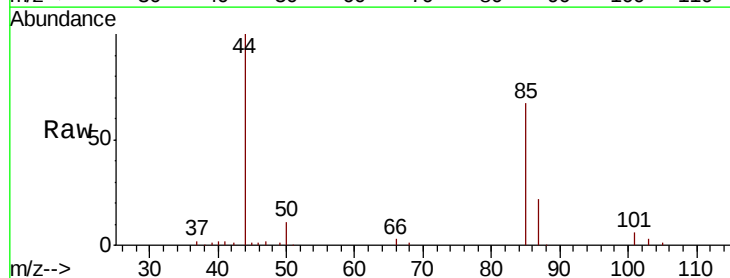
Acq: 4 Sep 2018 15:31

Tgt Ion: 85 Resp: 183423

Ion Ratio Lower Upper

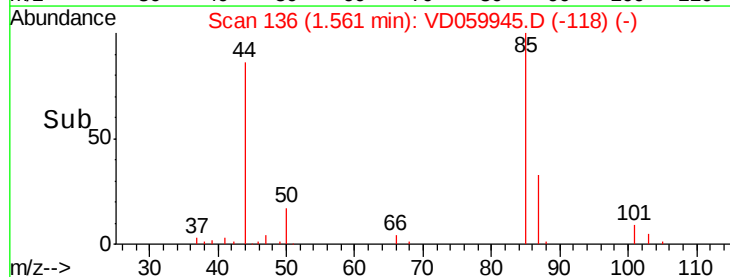
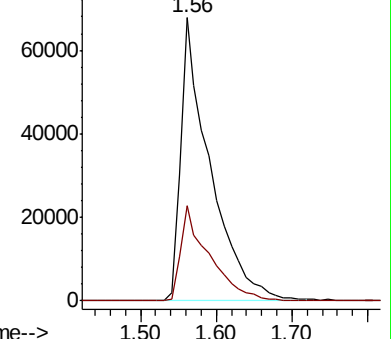
85 100

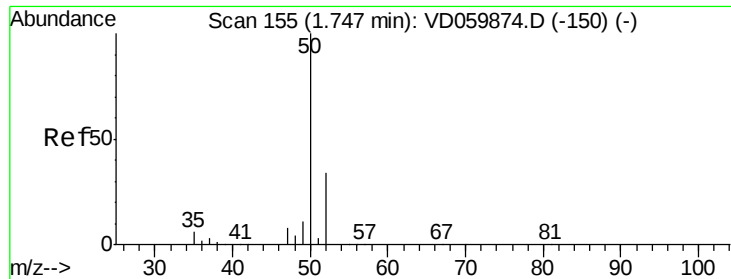
87 33.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.16 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 50 Resp: 164656

Ion Ratio Lower Upper

50 100

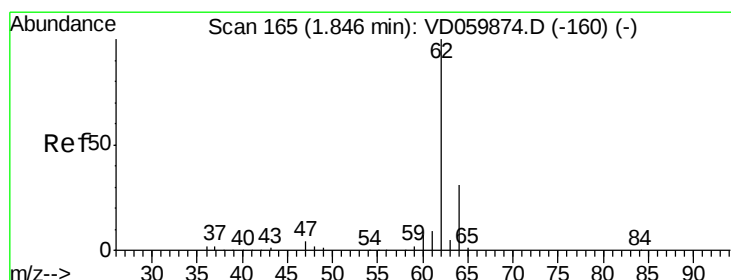
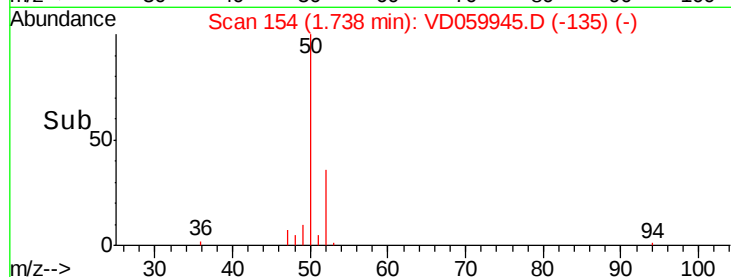
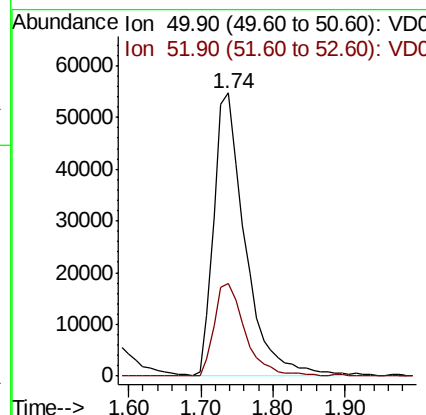
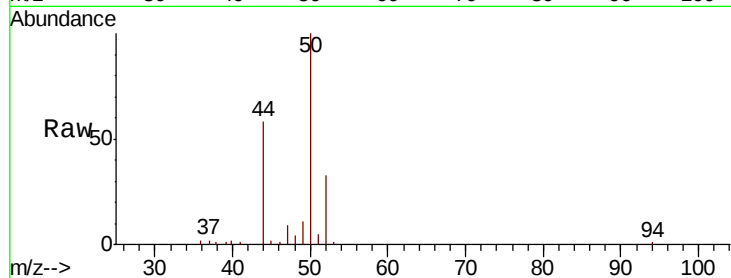
52 32.8 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.86 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059945.D

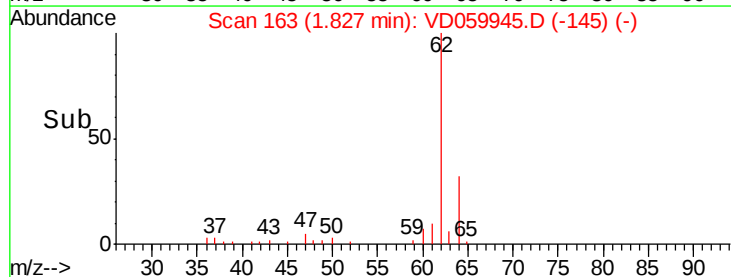
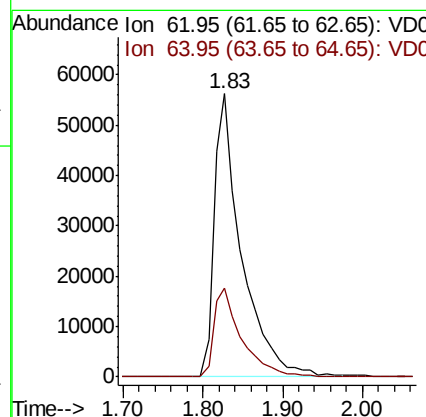
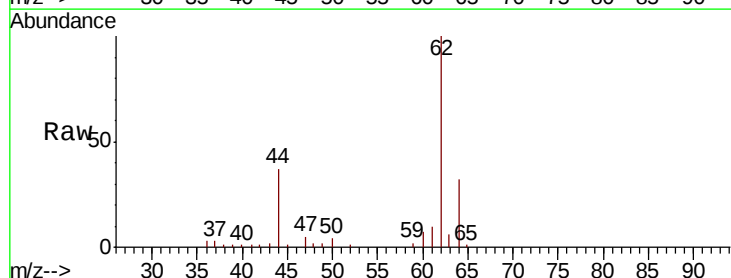
Acq: 4 Sep 2018 15:31

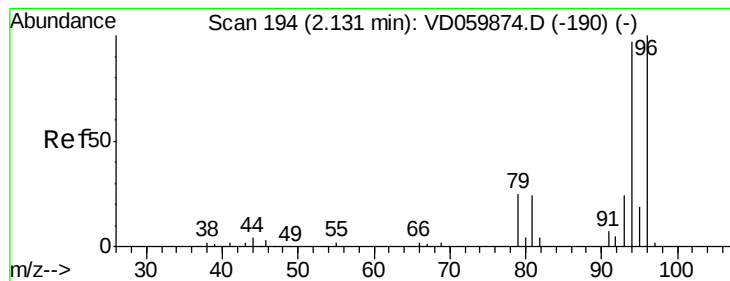
Tgt Ion: 62 Resp: 134762

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 8.62 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 11891

Ion Ratio Lower Upper

94 100

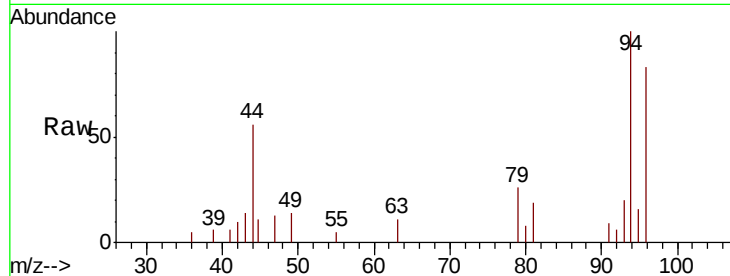
96 82.9 82.4 123.6

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.11

8000

6000

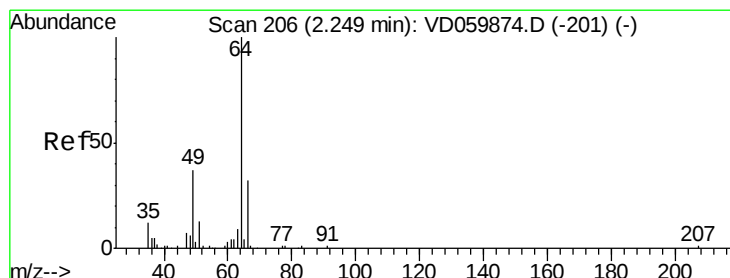
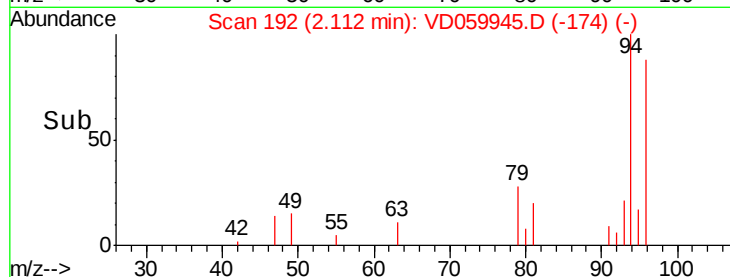
4000

2000

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Time-->

2.05 2.10 2.15



#6

Chloroethane

Concen: 11.37 ug/l

RT: 2.21 min Scan# 202

Delta R.T. -0.04 min

Lab File: VD059945.D

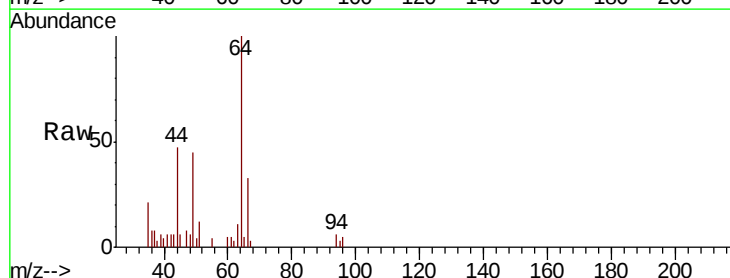
Acq: 4 Sep 2018 15:31

Tgt Ion: 64 Resp: 32831

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.21

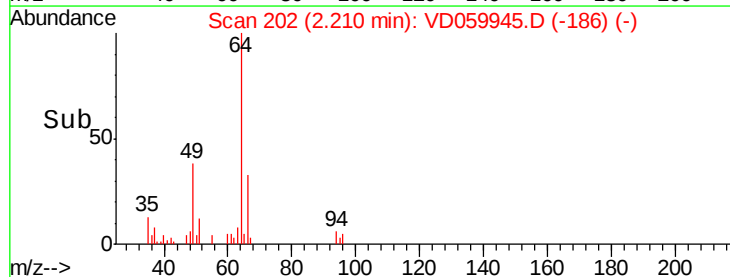
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5000

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Time-->

2.10 2.20 2.30 2.40





#7

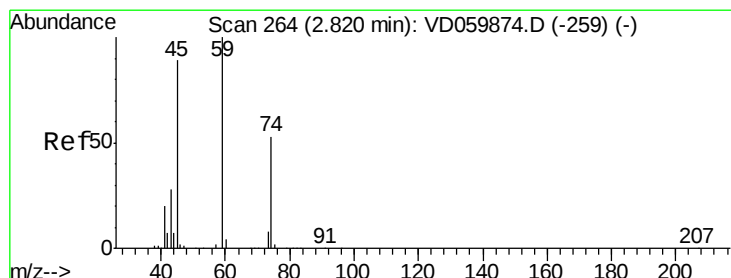
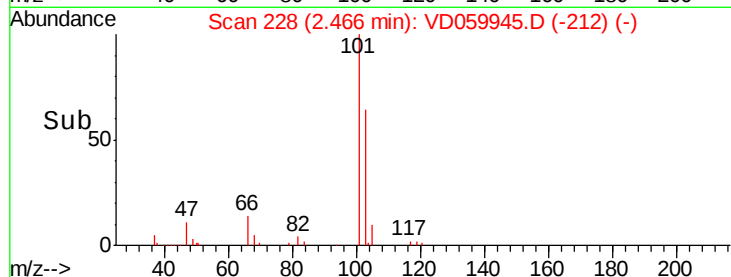
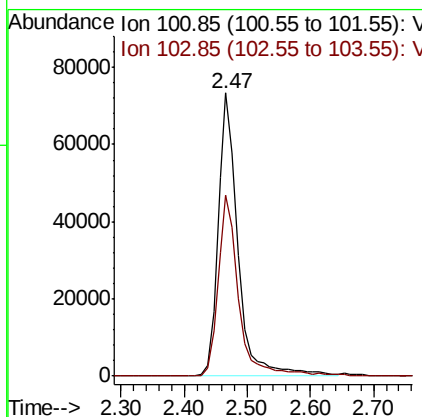
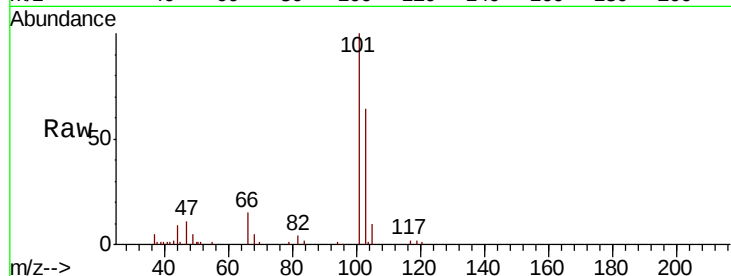
Trichlorofluoromethane
Concen: 17.55 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	162270		
103	63.8	53.7	80.5	

Manual Integrations
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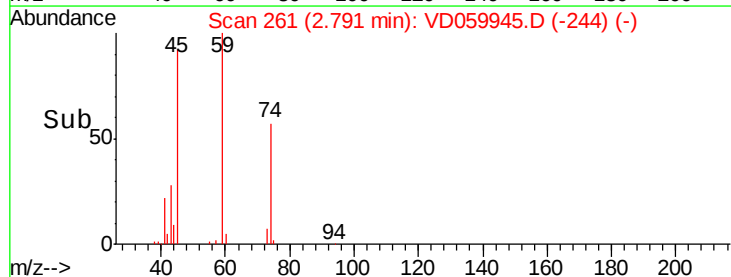
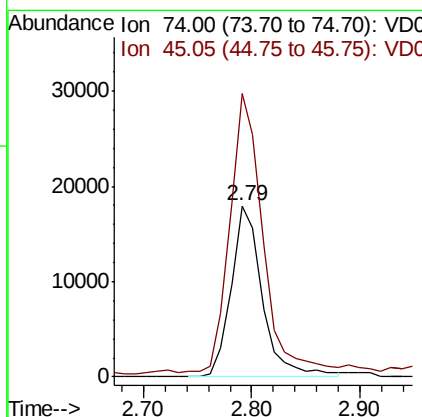
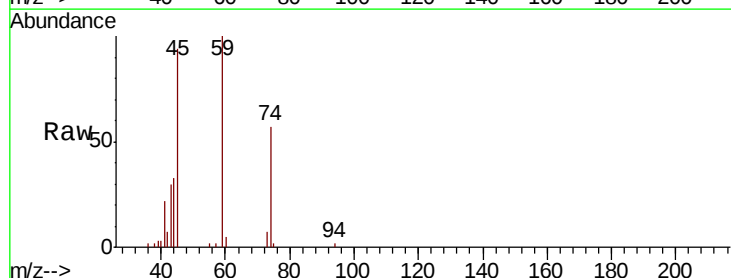
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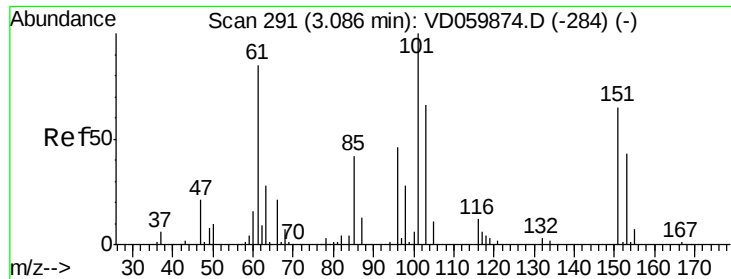


#8

Diethyl Ether
Concen: 17.30 ug/l
RT: 2.79 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35881		
45	165.3	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.31 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

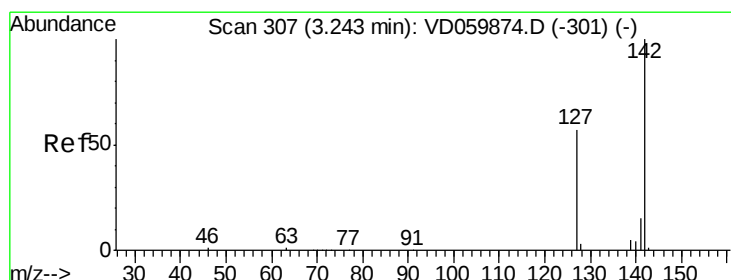
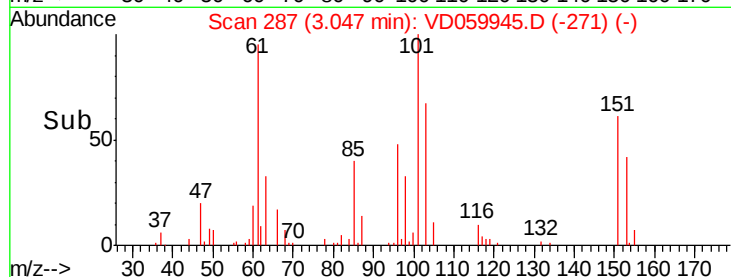
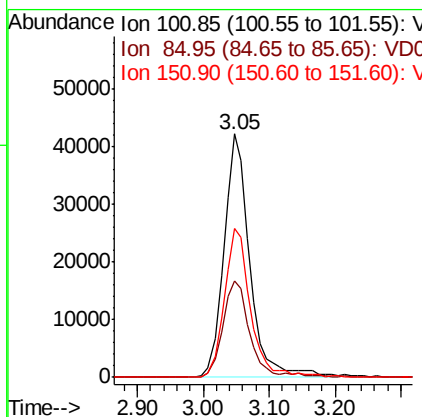
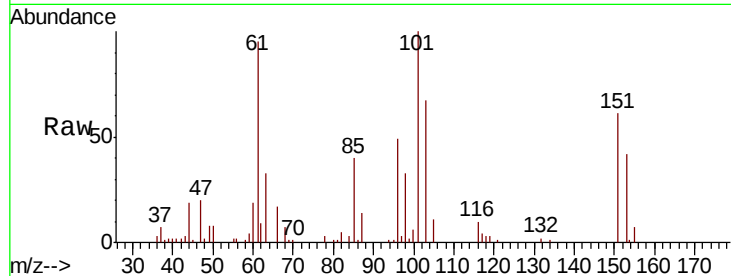
ClientSampleId :

VD0904SBS01

Tot Ion:	101	Resp:	115003
Ion Ratio	Lower	Upper	
101	100		
85	39.6	33.6	50.4
151	61.2	52.0	78.0

Manual Integrations
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#10

Methyl Iodide

Concen: 16.65 ug/l

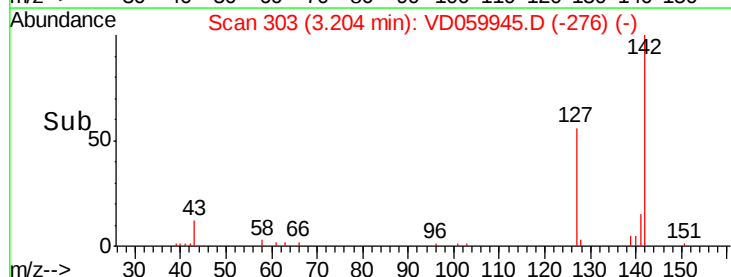
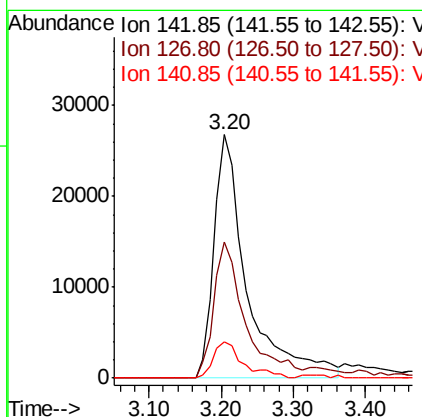
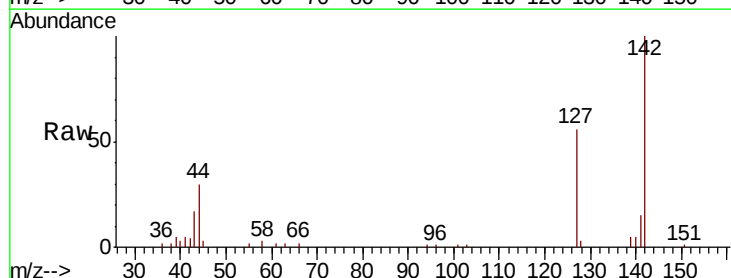
RT: 3.20 min Scan# 303

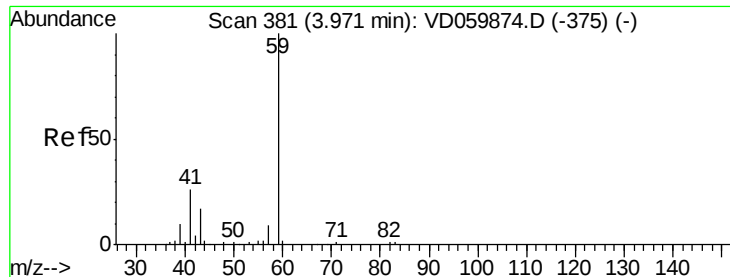
Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion:	142	Resp:	85427
Ion Ratio	Lower	Upper	
142	100		
127	56.0	45.8	68.6
141	15.0	11.6	17.4





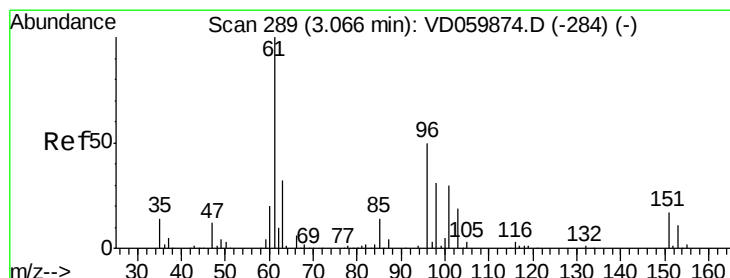
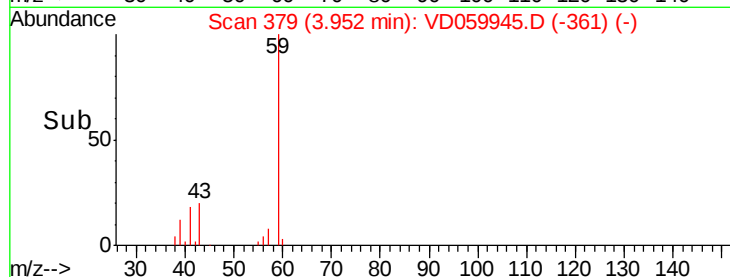
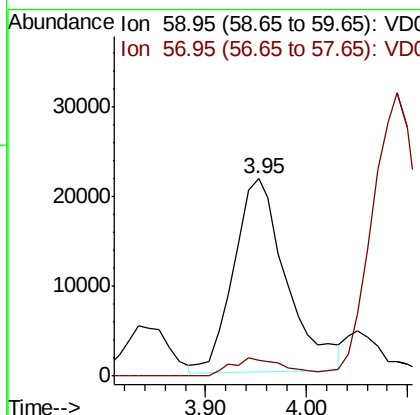
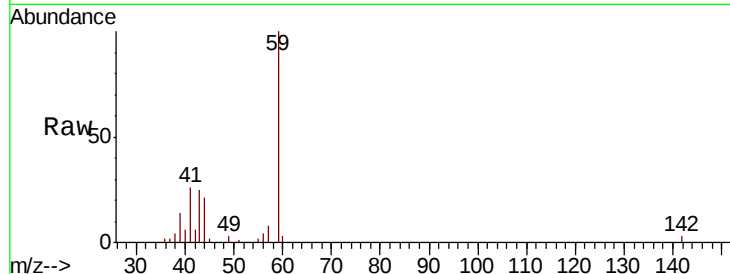
#11
Tert butyl alcohol
Concen: 96.98 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 59 Resp: 78493
Ion Ratio Lower Upper
59 100
57 7.8 7.4 11.0

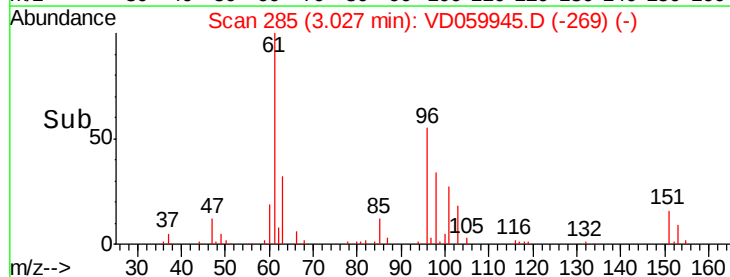
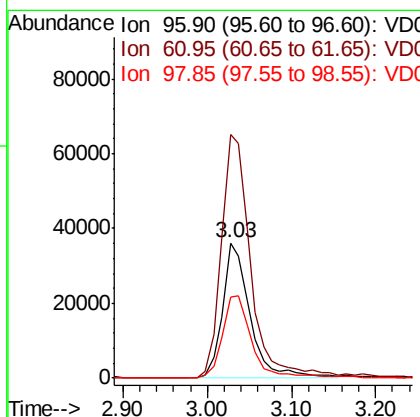
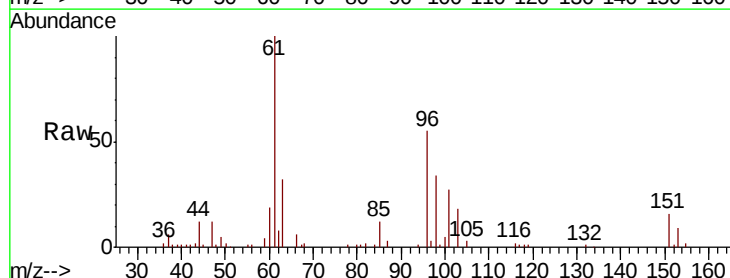
Manual Integrations
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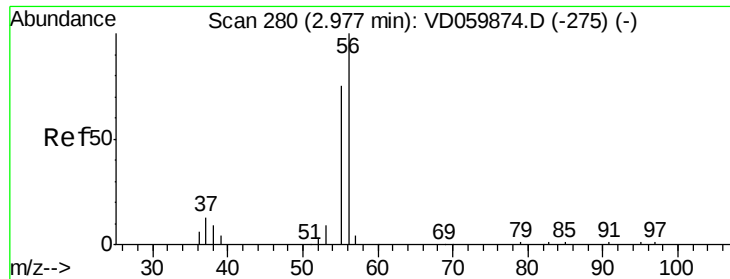
apatel
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#12
1,1-Dichloroethene
Concen: 18.68 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 96 Resp: 82334
Ion Ratio Lower Upper
96 100
61 180.2 158.8 238.2
98 60.4 48.7 73.1





#13

Acrolein

Concen: 55.86 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 56 Resp: 19609

Ion Ratio Lower Upper

56 100

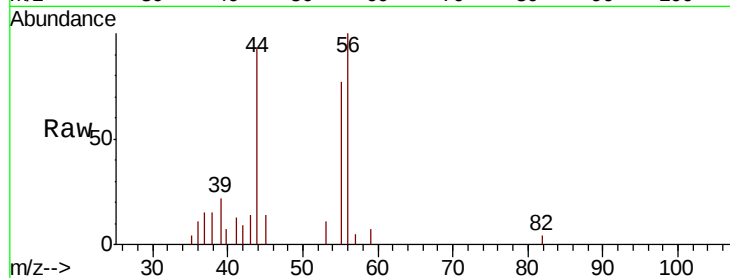
55 76.8 61.9 92.9

Manual Integrations

APPROVED

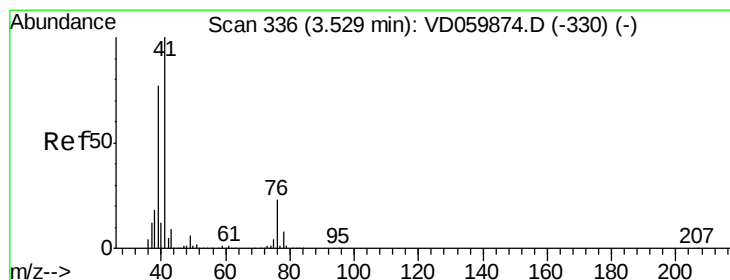
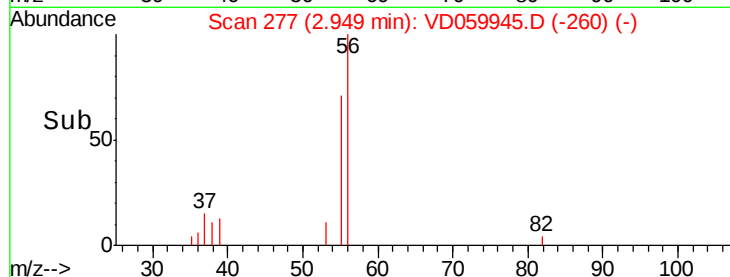
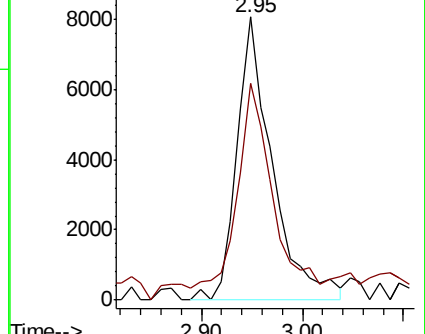
apatel

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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: 20.19 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

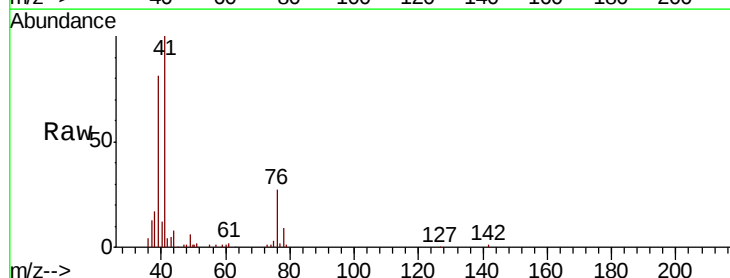
Tgt Ion: 41 Resp: 201280

Ion Ratio Lower Upper

41 100

39 81.2 61.8 92.6

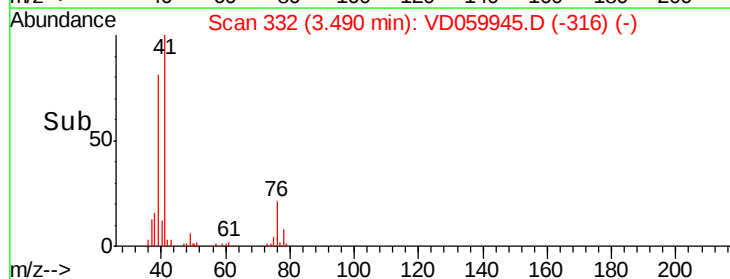
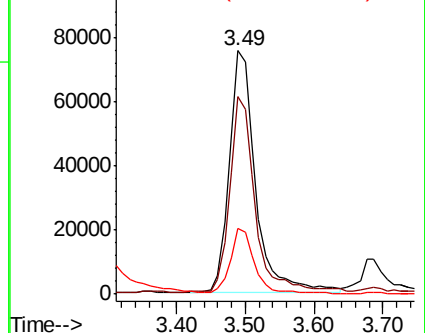
76 27.1 19.4 29.2

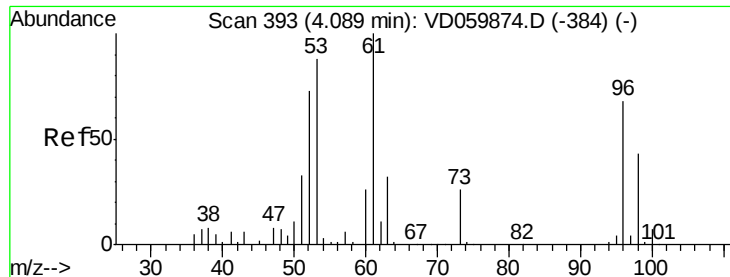


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.40 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

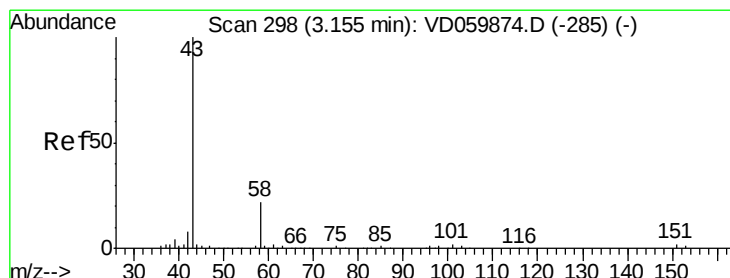
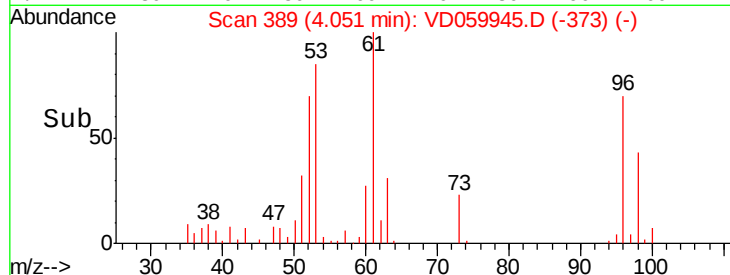
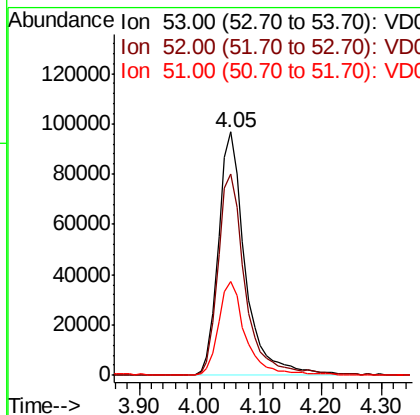
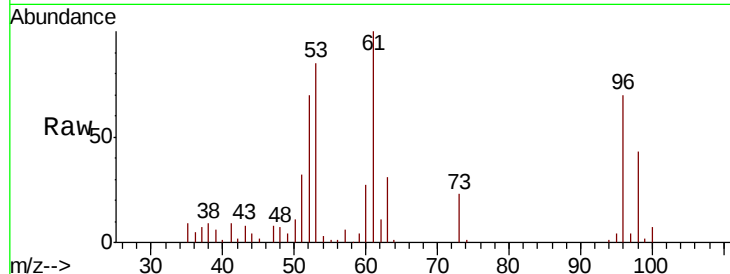
ClientSampleId :

VD0904SBS01

Tot Ion:	53	Resp:	298246
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.9	100.3
51	38.3	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 91.54 ug/l

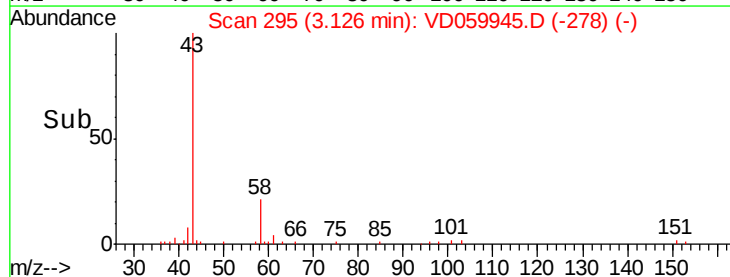
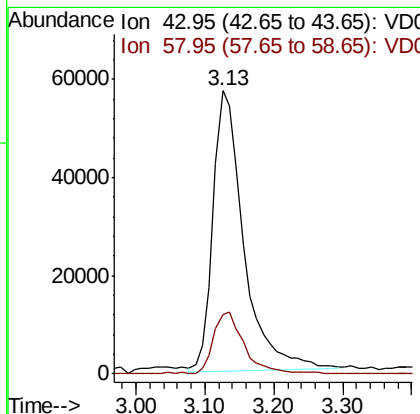
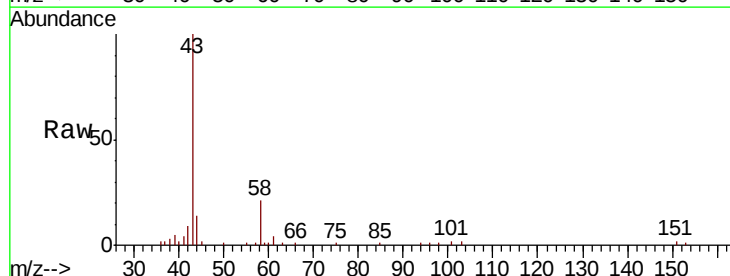
RT: 3.13 min Scan# 295

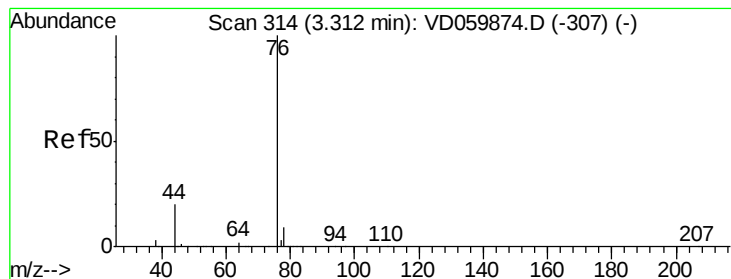
Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion:	43	Resp:	176922
Ion Ratio	Lower	Upper	
43	100		
58	20.9	17.6	26.4





#17

Carbon Disulfide

Concen: 14.91 ug/l

RT: 3.27 min Scan# 310

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 76 Resp: 203967

Ion Ratio Lower Upper

76 100

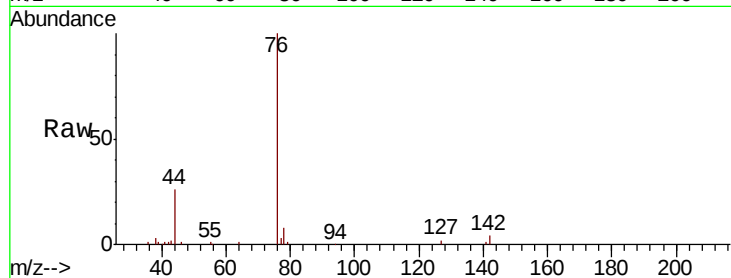
78 8.4 7.4 11.2

Manual Integrations

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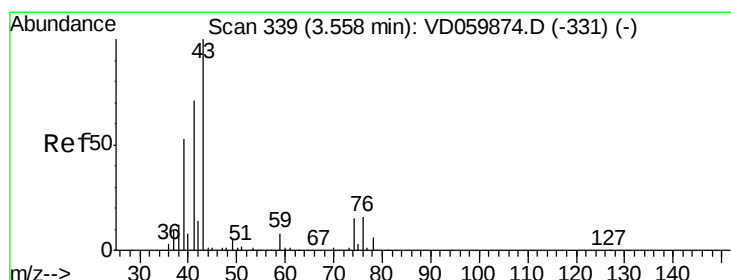
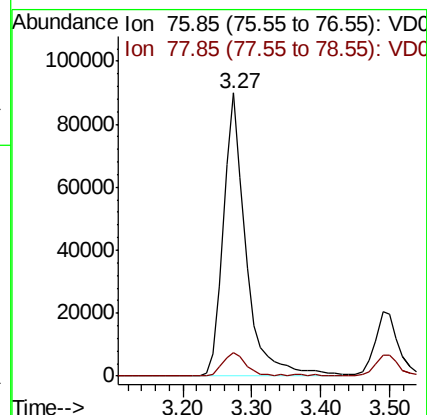
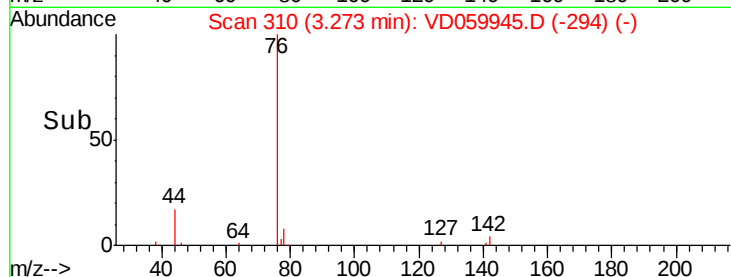
9/5/2018 12:25:40 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.27



#18

Methyl Acetate

Concen: 18.19 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059945.D

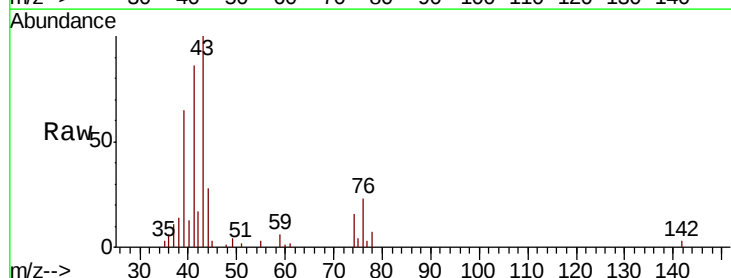
Acq: 4 Sep 2018 15:31

Tgt Ion: 43 Resp: 73384

Ion Ratio Lower Upper

43 100

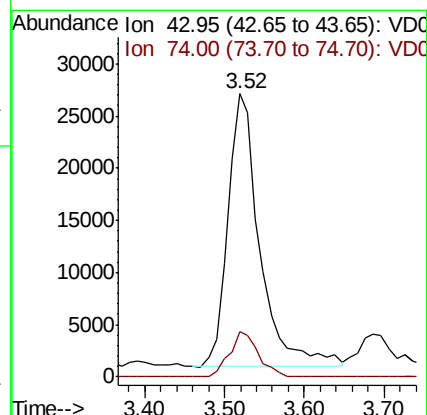
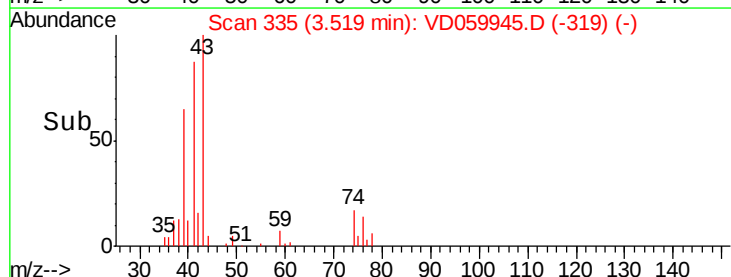
74 16.0 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.52





#19

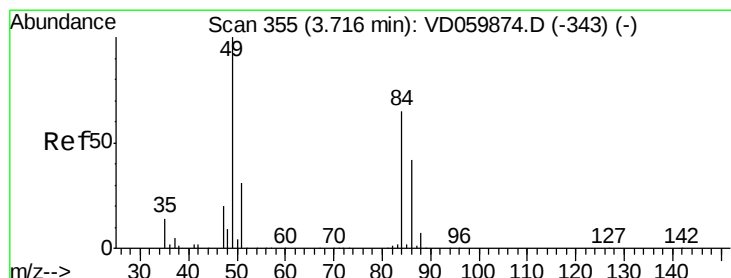
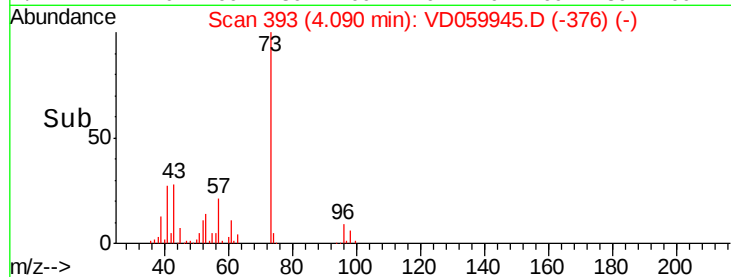
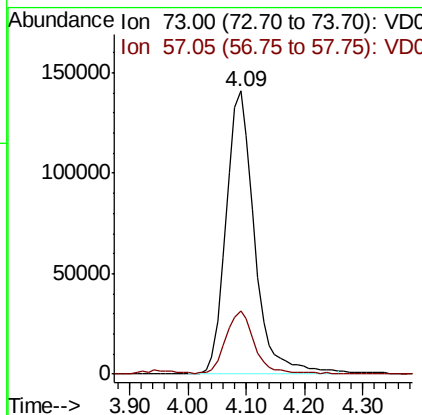
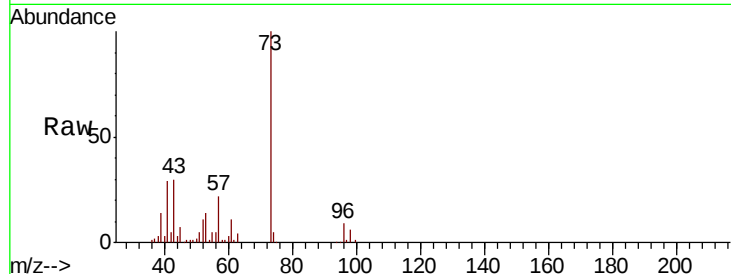
Methyl tert-butyl Ether
 Concen: 19.16 ug/l
 RT: 4.09 min Scan# 393
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Manual Integrations
 APPROVED

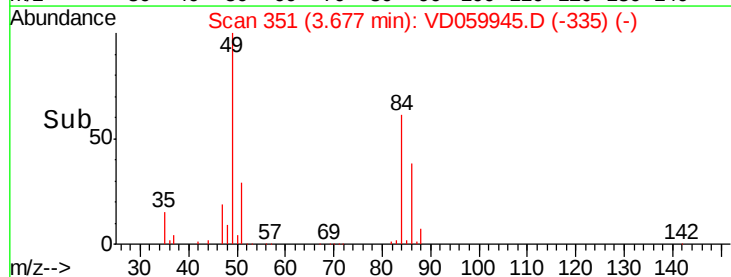
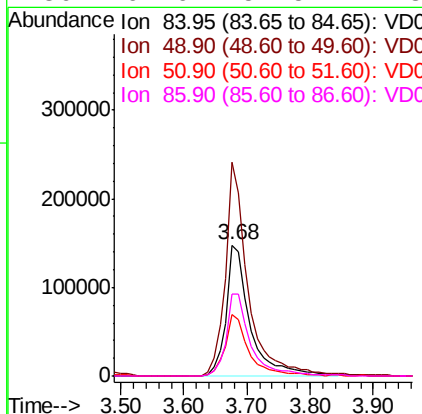
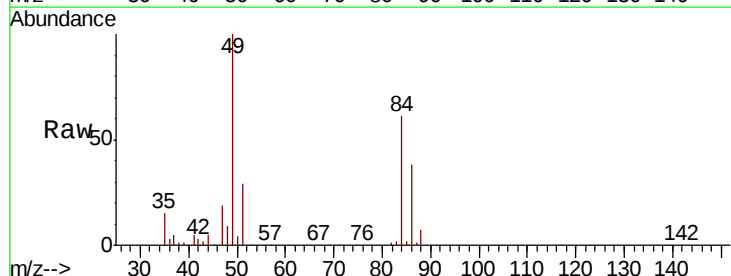
apatel
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#20

Methylene Chloride
 Concen: 28.36 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.5	122.6	183.8
51	47.5	38.4	57.6
86	62.6	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.36 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.05 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

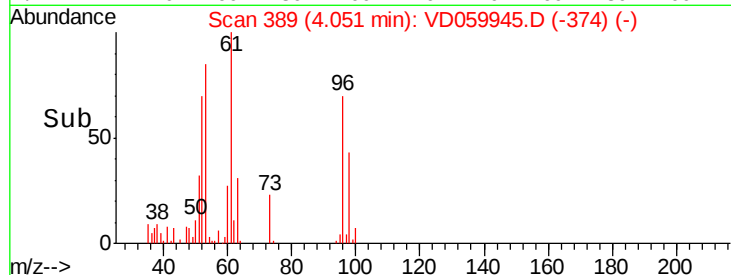
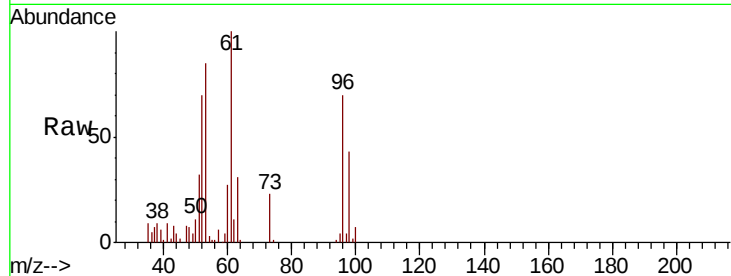
ClientSampleId :

VD0904SBS01

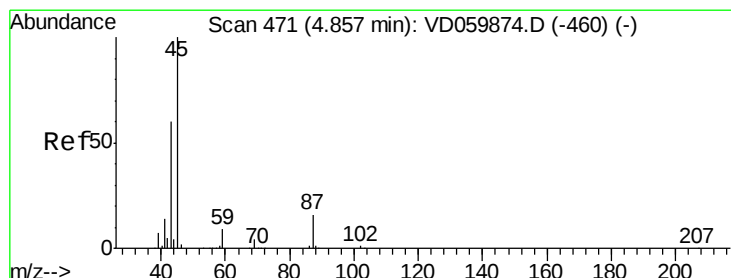
Tot Ion:	96	Resp:	222928
Ion	Ratio	Lower	Upper
96	100		
61	142.9	110.2	165.4
98	61.8	50.9	76.3

Manual Integrations
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Time-->



#22

Diisopropyl ether

Concen: 19.16 ug/l

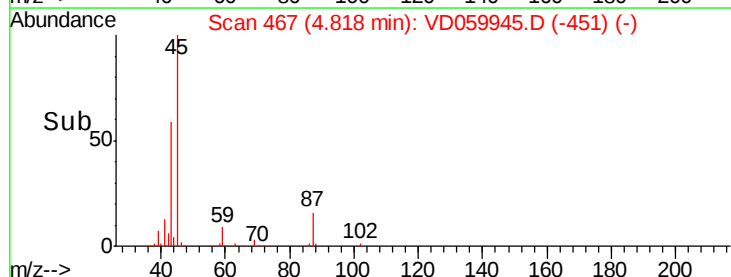
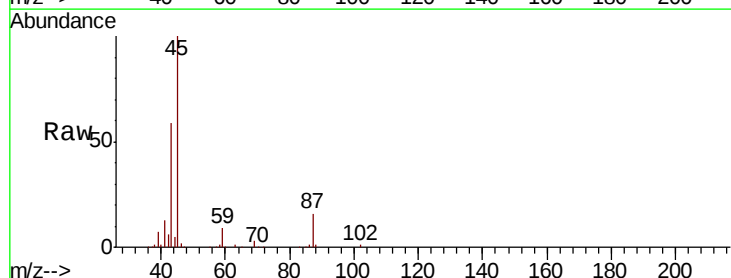
RT: 4.82 min Scan# 467

Delta R.T. -0.04 min

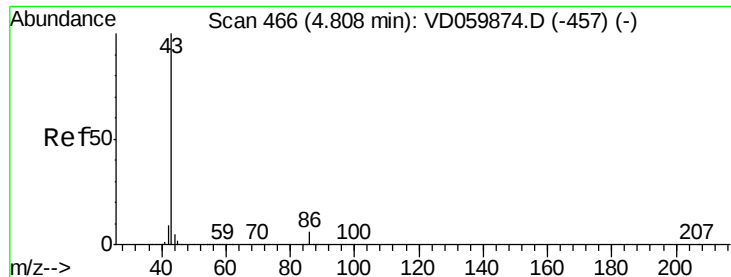
Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion:	45	Resp:	974309
Ion	Ratio	Lower	Upper
45	100		
43	59.1	48.6	72.8
87	15.7	13.3	19.9
59	8.9	7.1	10.7



Time-->



#23

Vinyl Acetate

Concen: 98.77 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 43 Resp: 2807728

Ion Ratio Lower Upper

43 100

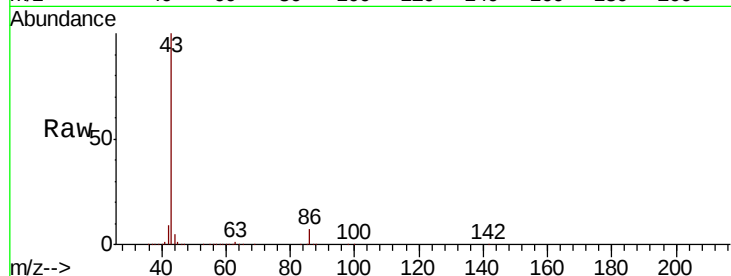
86 6.5 5.0 7.6

Manual Integrations

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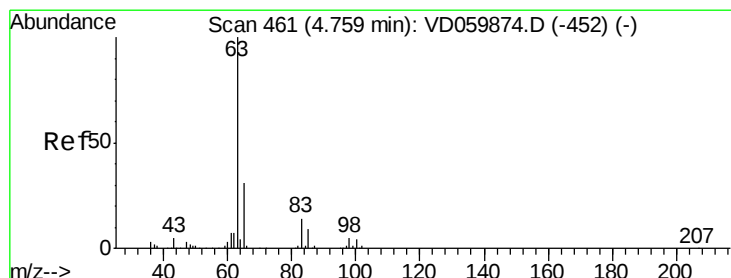
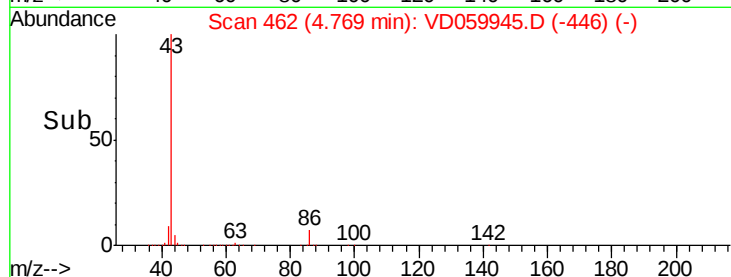
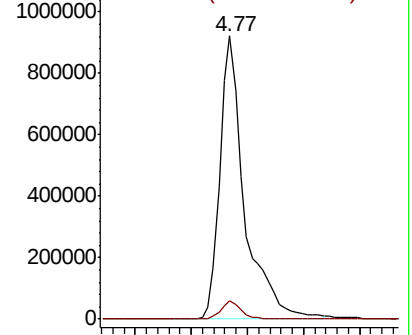
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.54 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

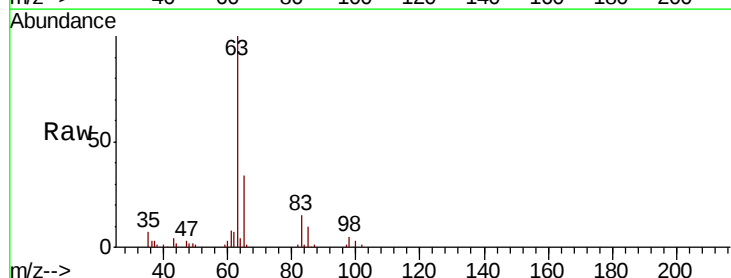
Tgt Ion: 63 Resp: 407298

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

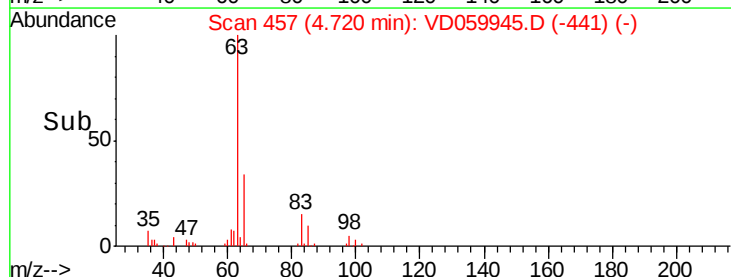
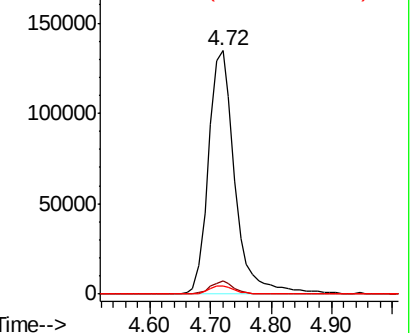
100 3.2 1.8 5.3



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: 86.60 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 43 Resp: 495704

Ion Ratio Lower Upper

43 100

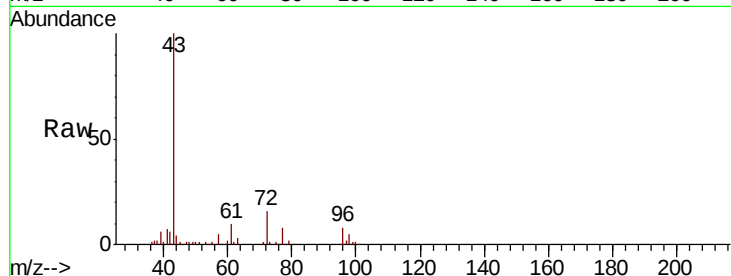
72 15.9 12.3 18.5

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

200000

150000

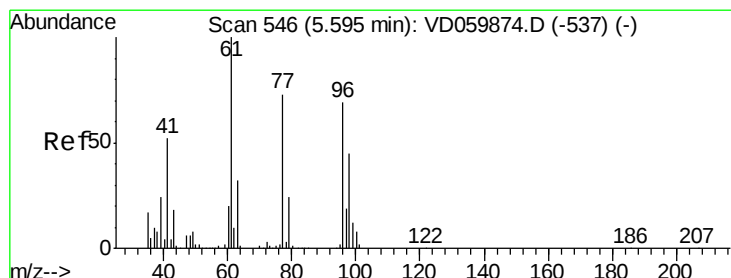
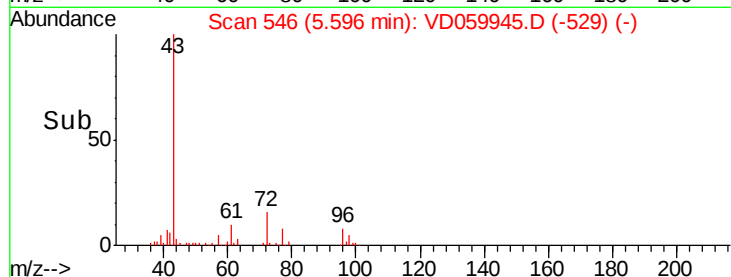
100000

50000

0

5.50 5.60

Time-->



#26

2,2-Dichloropropane

Concen: 19.75 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.05 min

Lab File: VD059945.D

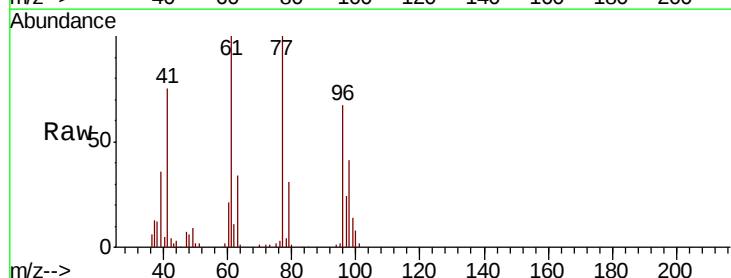
Acq: 4 Sep 2018 15:31

Tgt Ion: 77 Resp: 362789

Ion Ratio Lower Upper

77 100

97 24.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

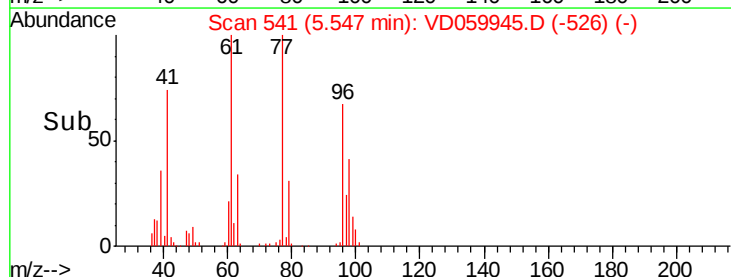
100000

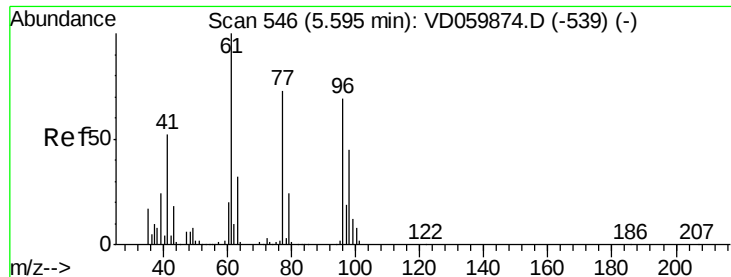
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

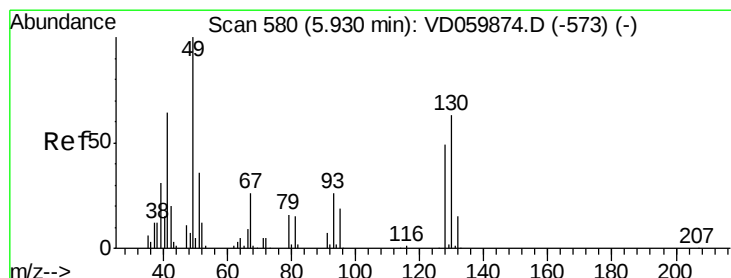
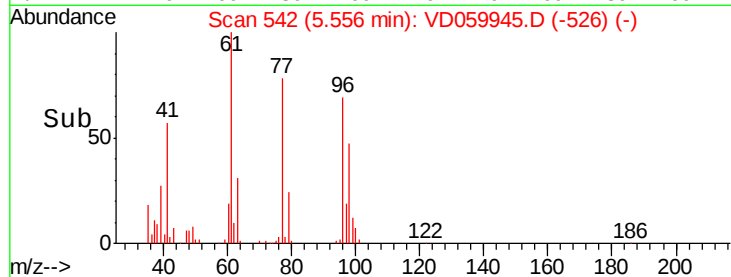
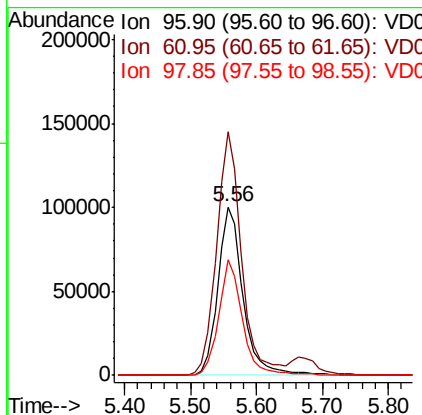
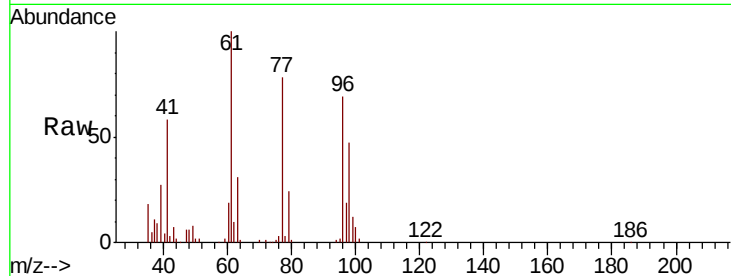
cis-1,2-Dichloroethene
 Concen: 20.07 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	266824		
61	144.3	0.0	290.2	
98	68.2	0.0	130.4	

Manual Integrations
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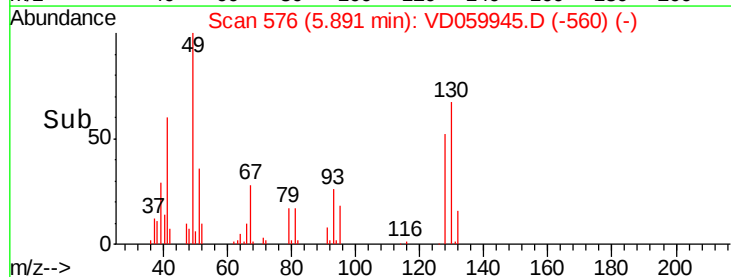
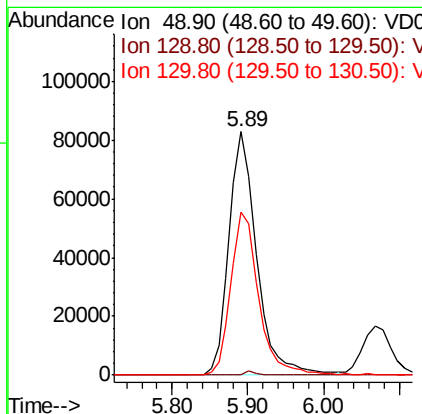
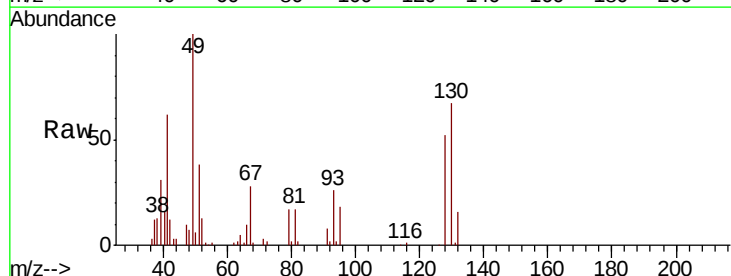
apatel
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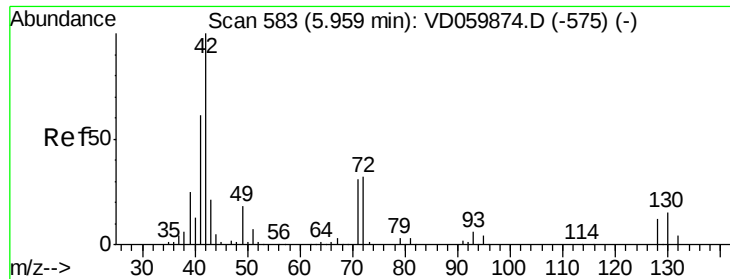


#28

Bromochloromethane
 Concen: 19.95 ug/l
 RT: 5.89 min Scan# 576
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	210051		
129	0.0	0.0	3.2	
130	67.1	50.6	75.8	





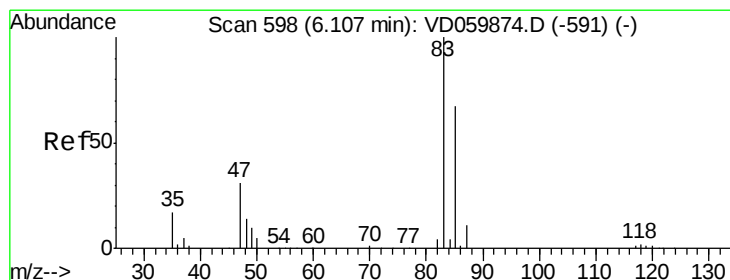
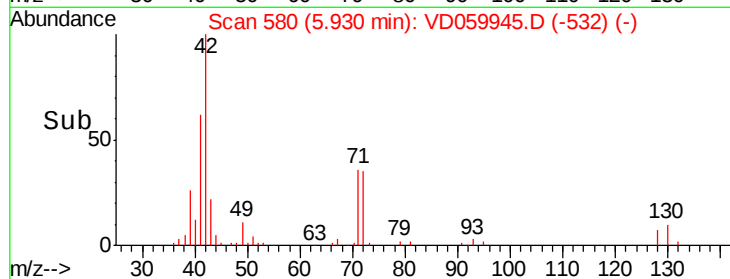
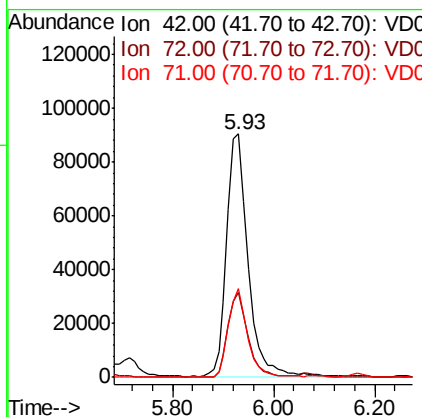
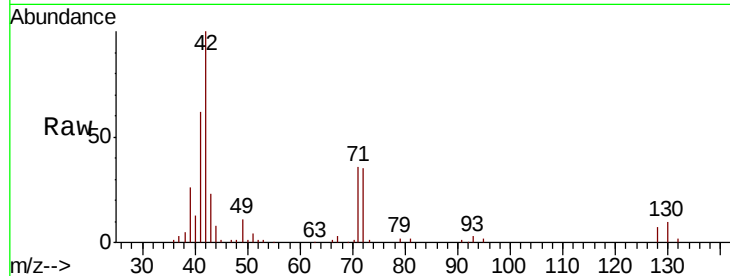
#29
Tetrahydrofuran
Concen: 96.17 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	25.7	38.5
71	33.1	25.3	37.9

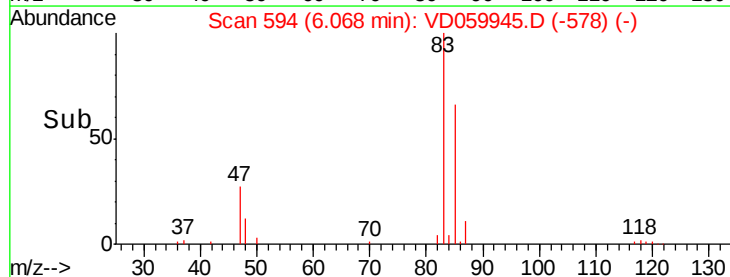
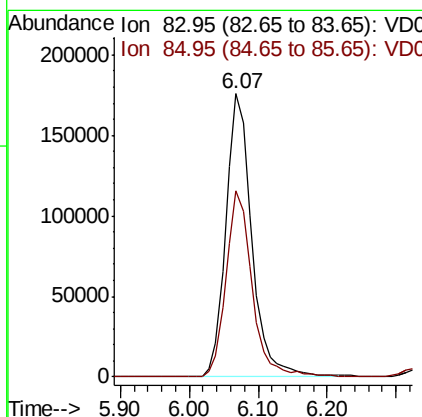
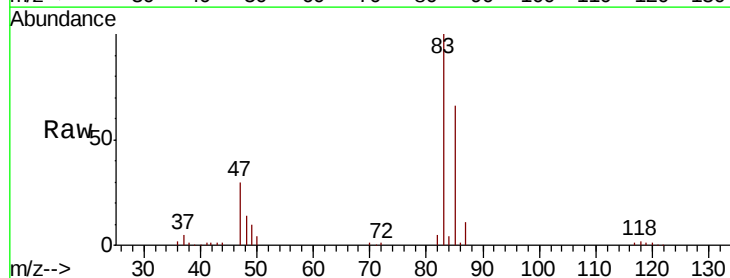
Manual Integrations
APPROVED

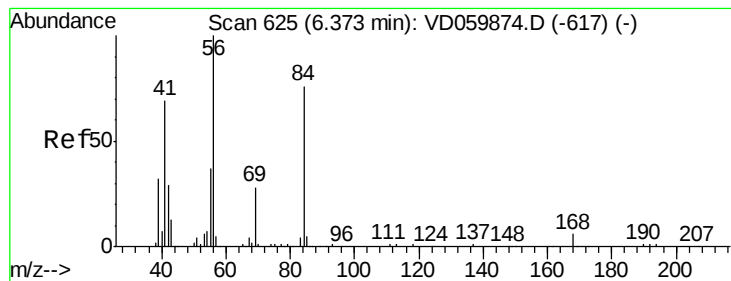
apatel
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#30
Chloroform
Concen: 20.53 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.5	80.3





#31

Cyclohexane

Concen: 17.13 ug/l

RT: 6.33 min Scan# 621

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

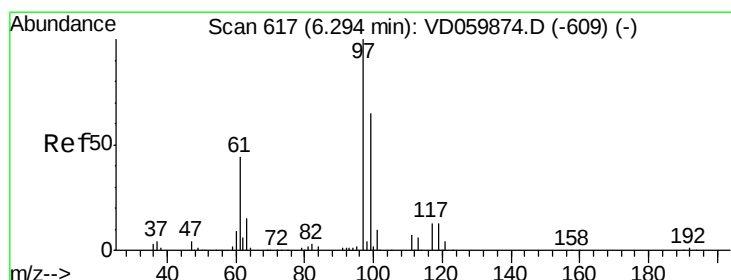
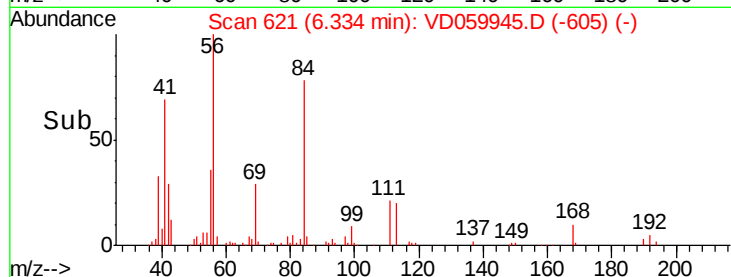
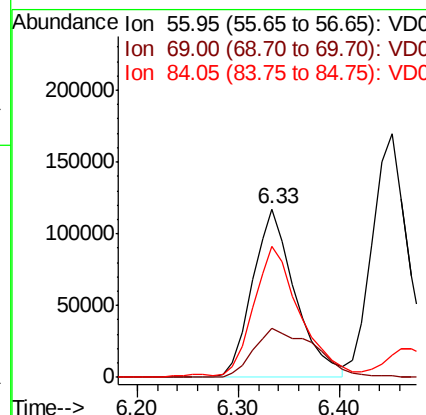
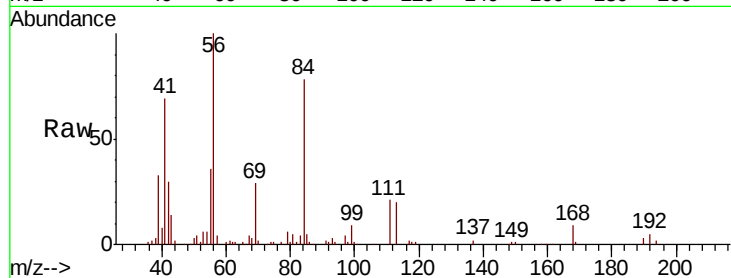
ClientSampleId :

VD0904SBS01

Tot Ion:	56	Resp:	345924
Ion Ratio	Lower	Upper	
56	100		
69	28.8	22.4	33.6
84	77.6	62.1	93.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.13 ug/l

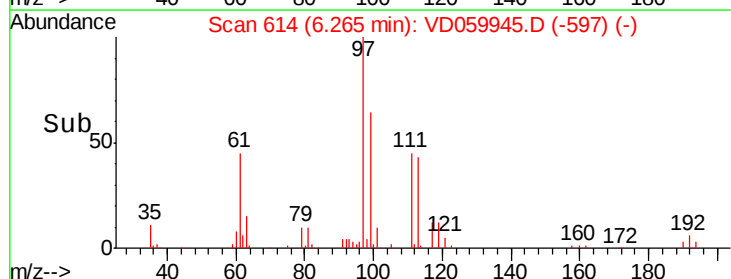
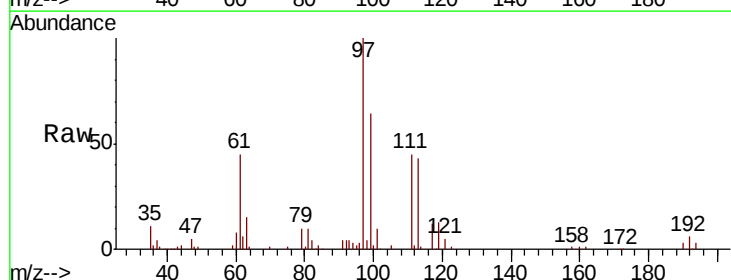
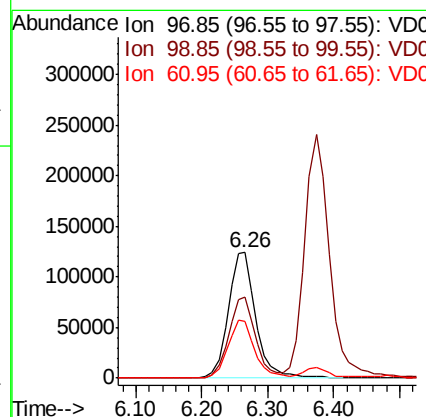
RT: 6.26 min Scan# 614

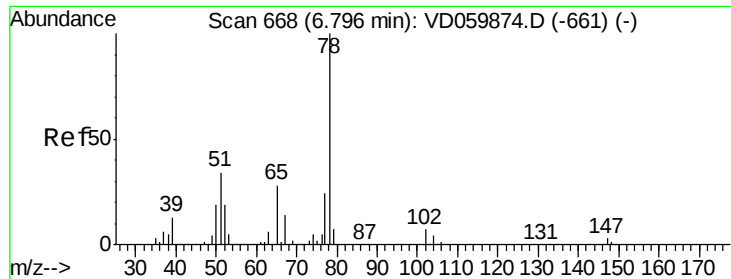
Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion:	97	Resp:	362527
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.7	77.5
61	44.7	35.4	53.2





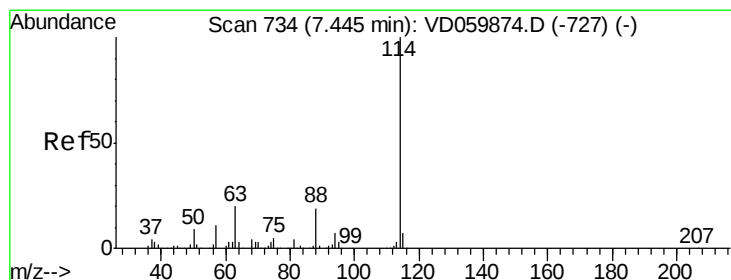
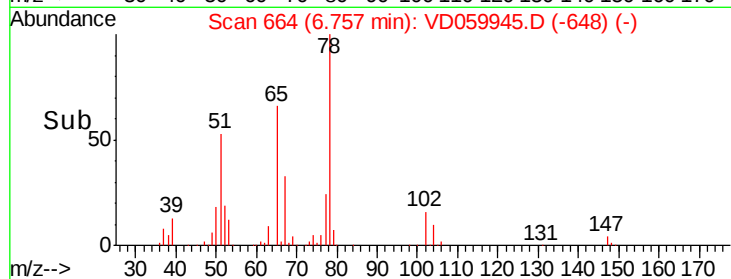
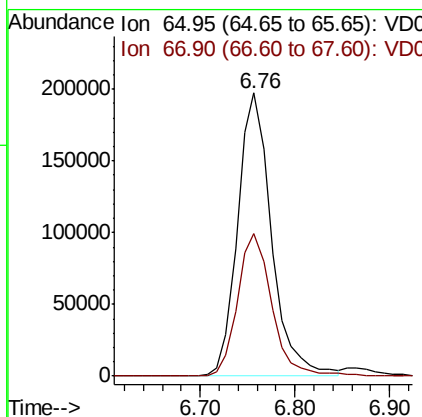
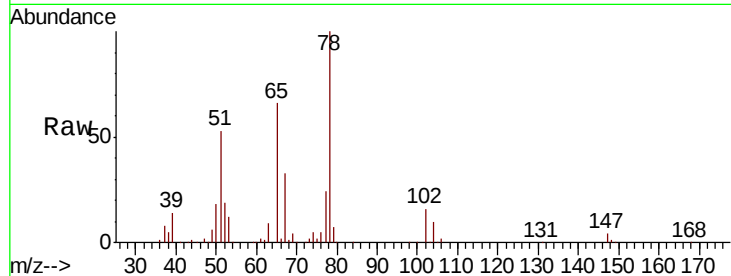
#33
 1,2-Dichloroethane-d4
 Concen: 19.13 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	489515		
67	50.4	0.0	103.8	

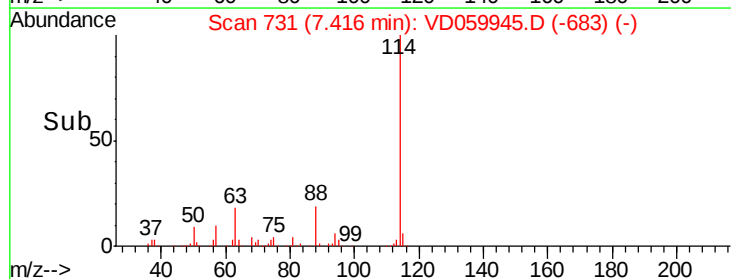
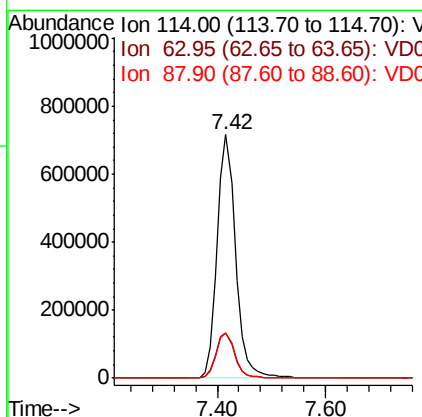
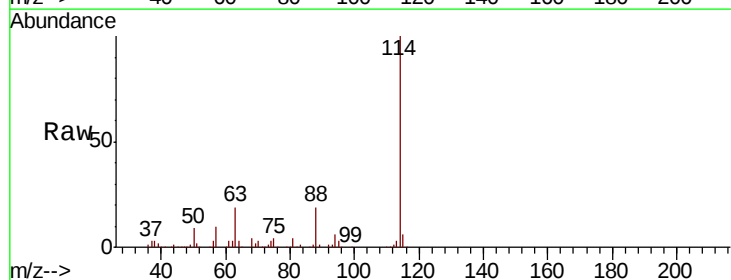
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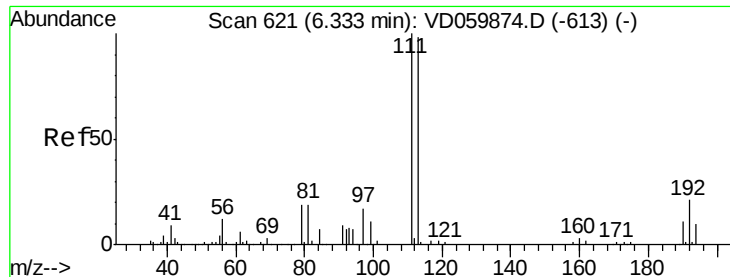
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1687977		
63	18.6	0.0	39.4	
88	18.6	0.0	37.6	





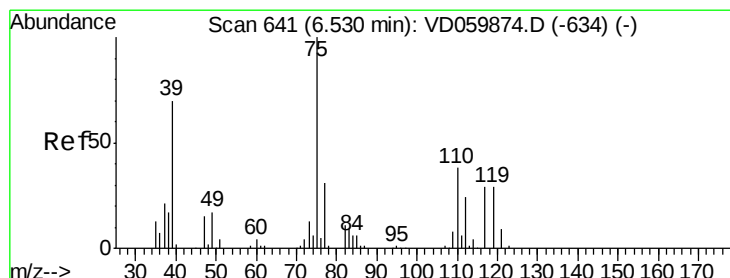
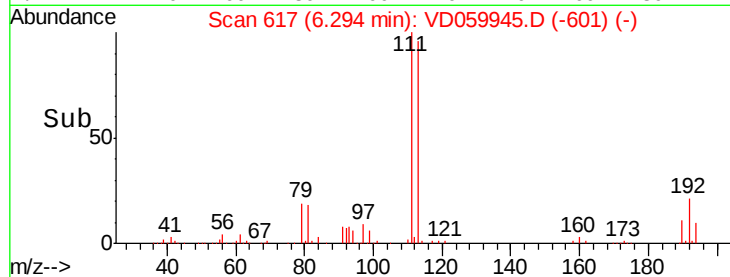
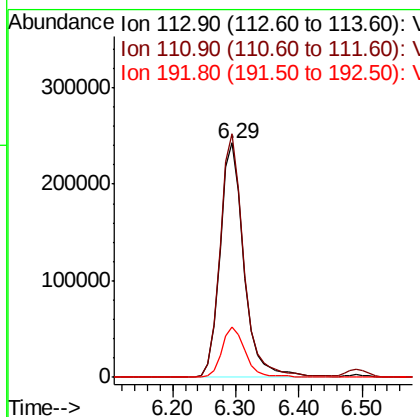
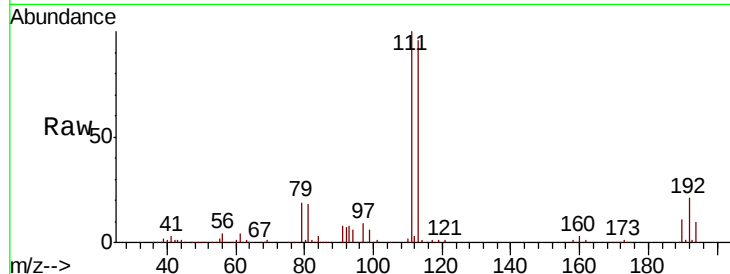
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	81.4	122.2	
192	21.6	17.0	25.6	

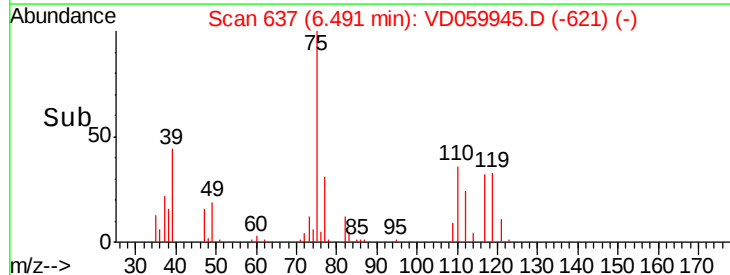
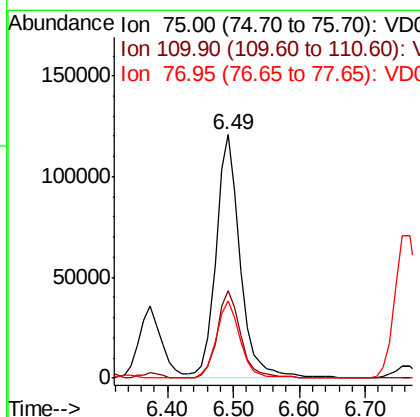
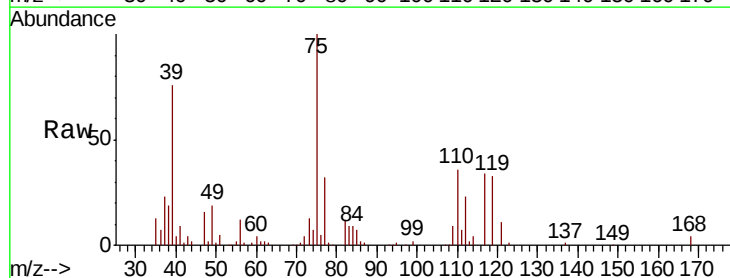
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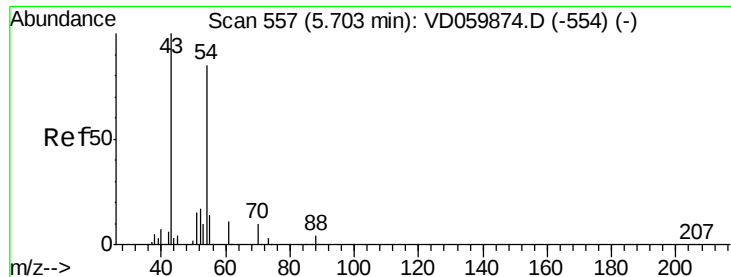
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 6.49 min Scan# 637
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.6	56.0	
77	31.5	25.1	37.7	





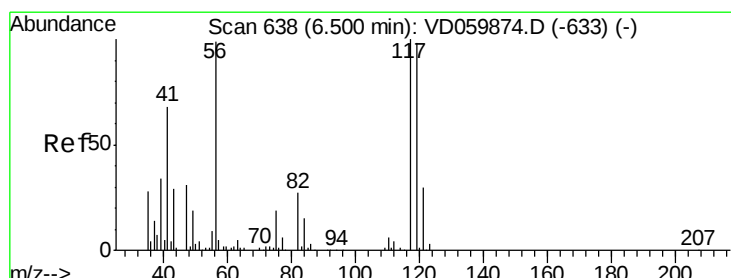
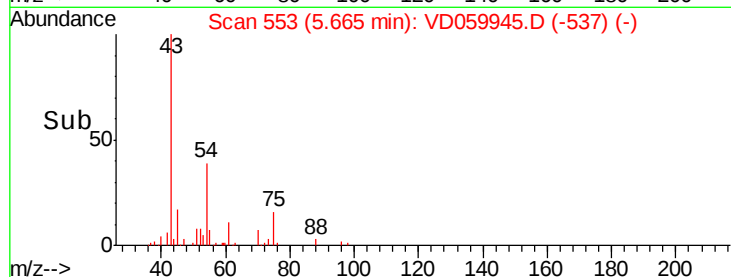
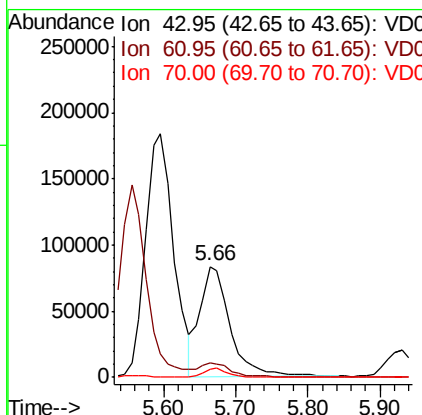
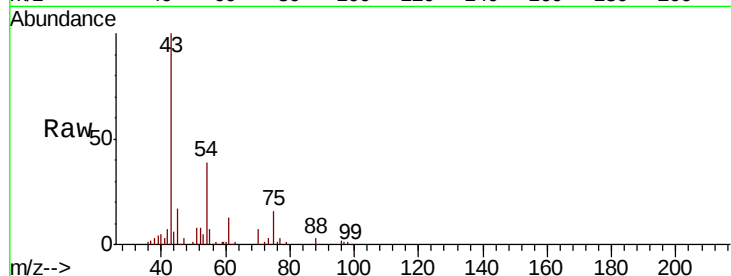
#37
Ethyl Acetate
Concen: 20.03 ug/l
RT: 5.66 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleID :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.6
70	7.1	5.7	8.5

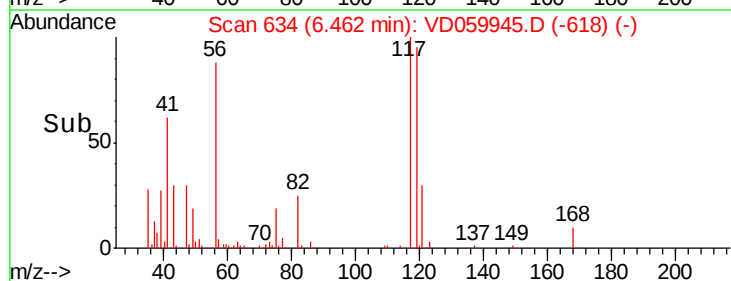
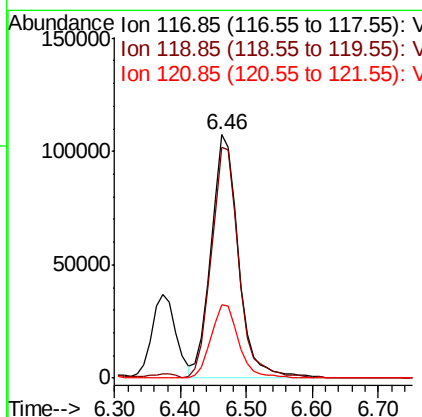
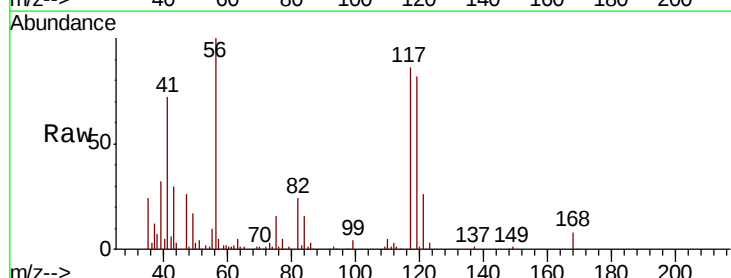
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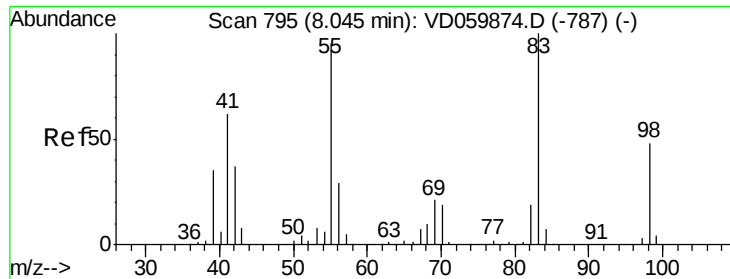
apatel
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#38
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 6.46 min Scan# 634
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	30.2	24.0	36.0





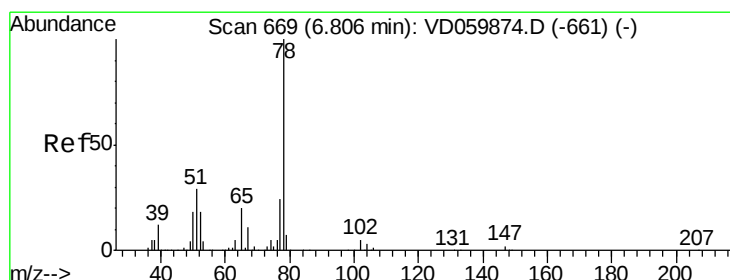
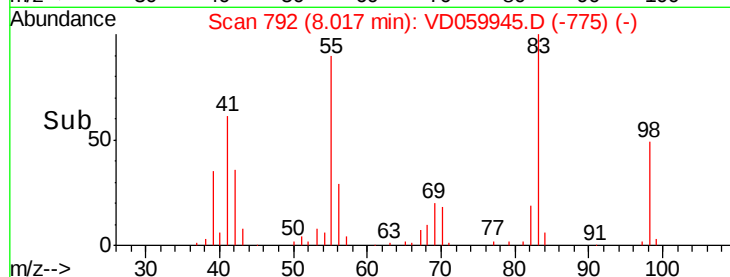
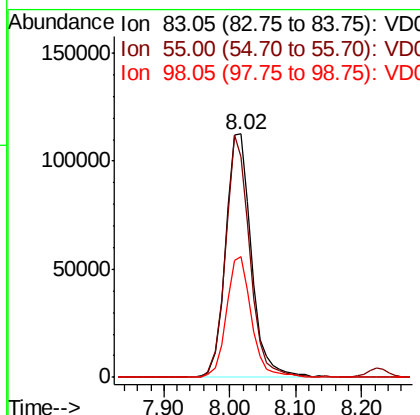
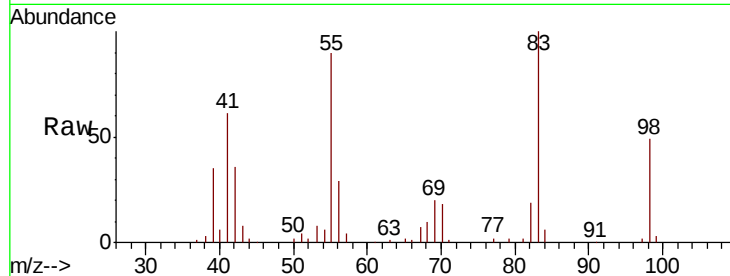
#39
Methvlcvclohexane
Concen: 18.61 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	83	Resp	307724
Ion Ratio	100	Lower	Upper
83	100		
55	90.4	75.8	113.6
98	49.5	38.3	57.5

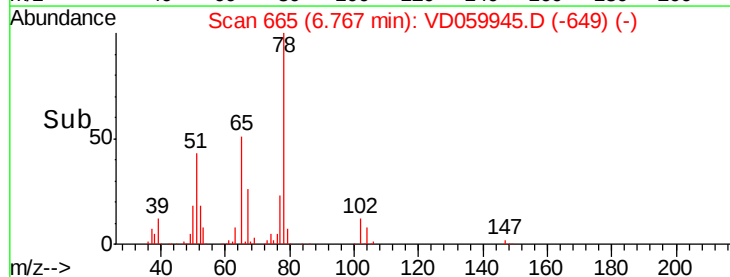
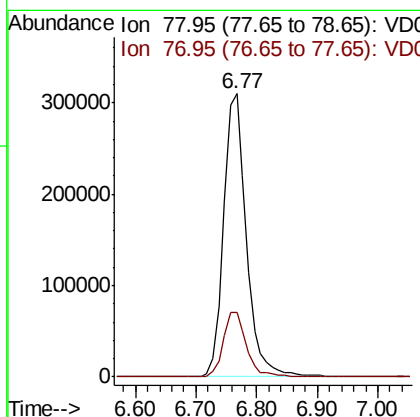
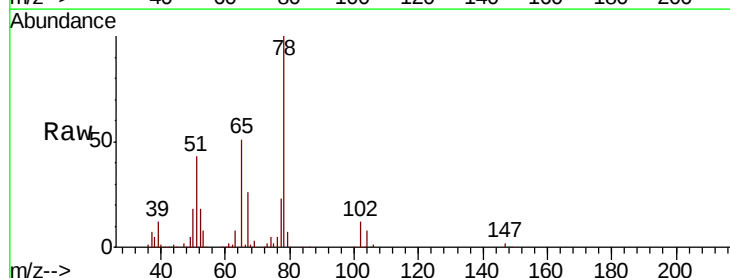
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#40
Benzene
Concen: 20.32 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	78	Resp	808319
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.0	28.4





#41

Methacrylonitrile

Concen: 19.07 ug/l m

RT: 5.89 min Scan# 576

Delta R.T. -0.05 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 41 Resp: 114360

Ion Ratio Lower Upper

41 100

39 49.6 39.4 59.2

67 45.7 22.2 33.2#

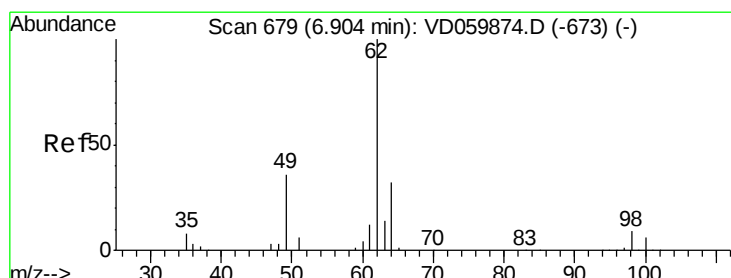
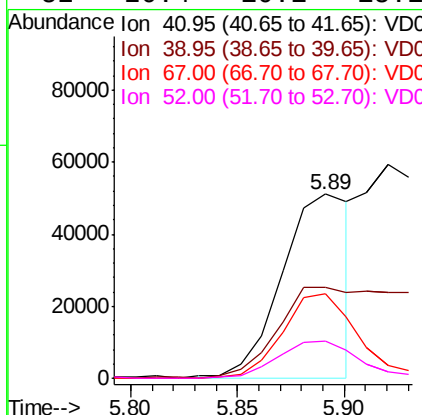
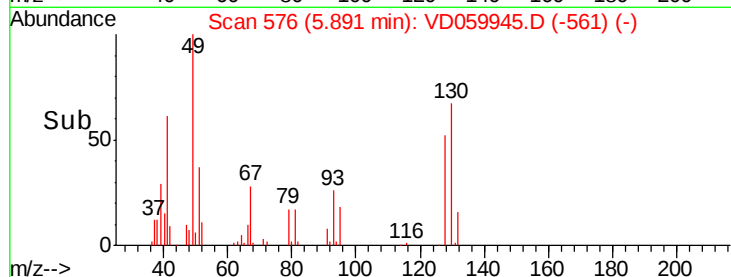
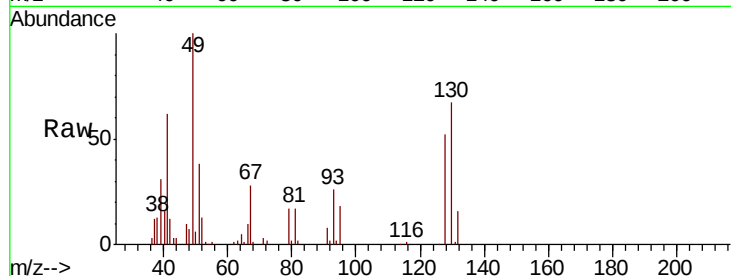
52 20.4 10.1 15.1#

Manual Integrations

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apatel

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#42

1,2-Dichloroethane

Concen: 19.96 ug/l

RT: 6.87 min Scan# 675

Delta R.T. -0.04 min

Lab File: VD059945.D

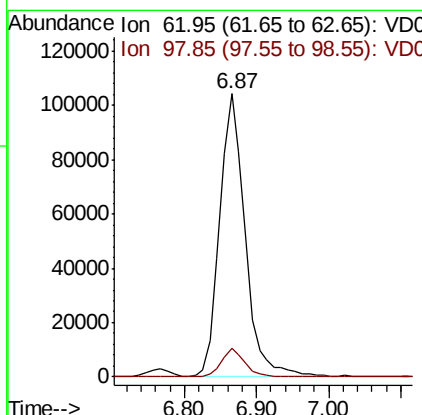
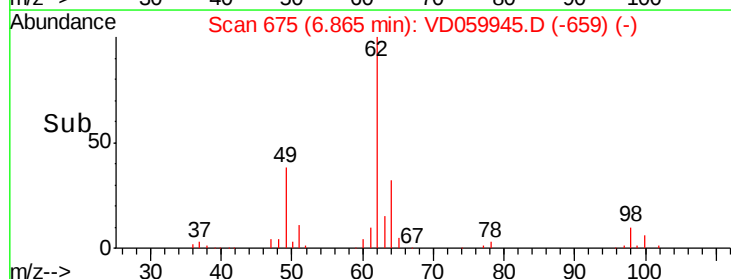
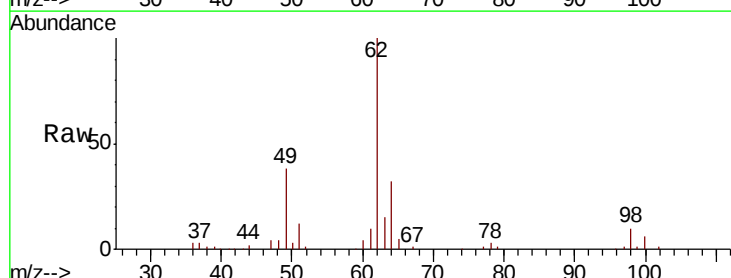
Acq: 4 Sep 2018 15:31

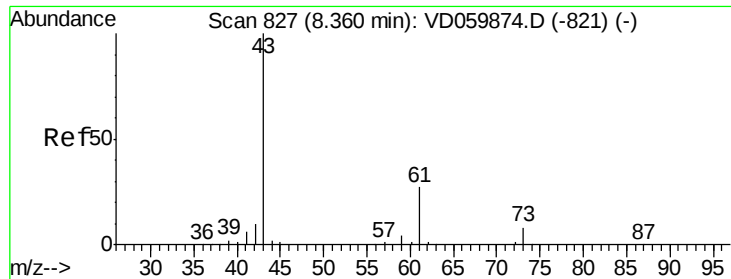
Tgt Ion: 62 Resp: 254903

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.4





#43

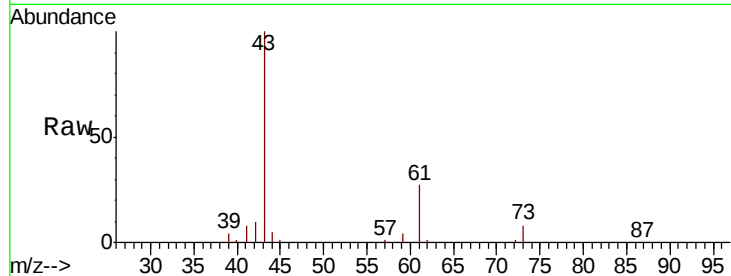
Isopropyl Acetate
 Concen: 20.24 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

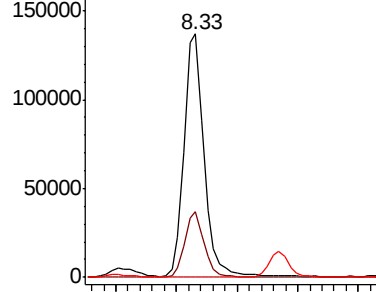
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
 APPROVED

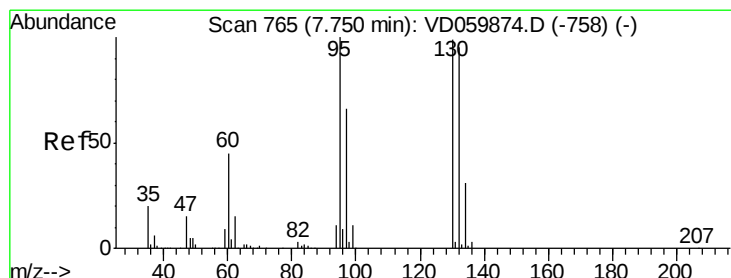
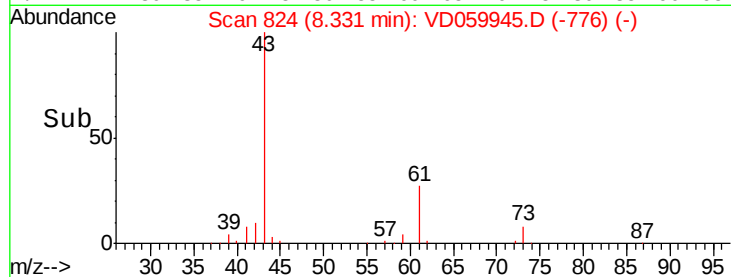
apatel
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Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



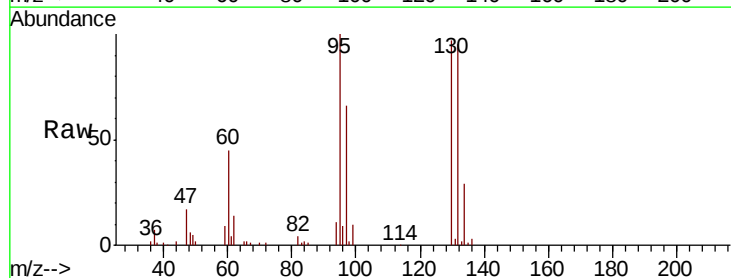
Time-->



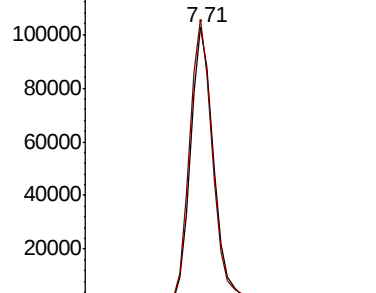
#44

Trichloroethene
 Concen: 20.62 ug/l
 RT: 7.71 min Scan# 761
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

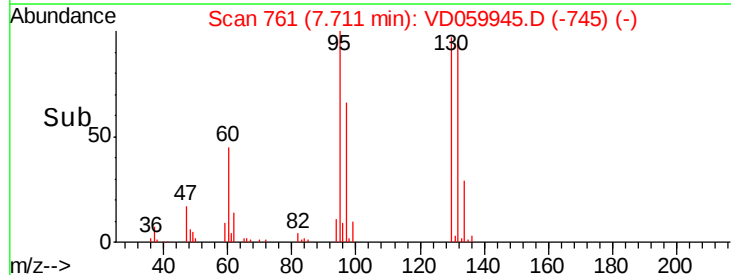
Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





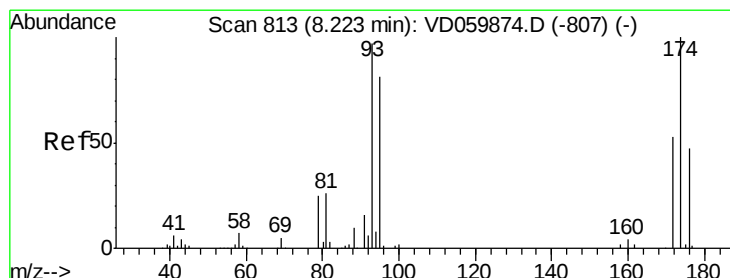
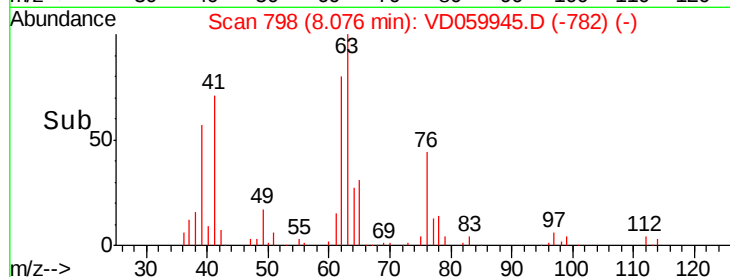
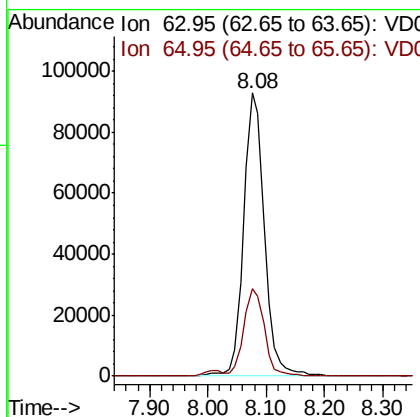
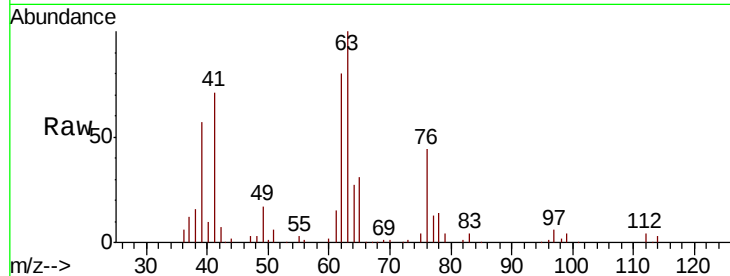
#45
1,2-Dichloropropane
Concen: 20.70 ug/l
RT: 8.08 min Scan# 798
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.5	35.3

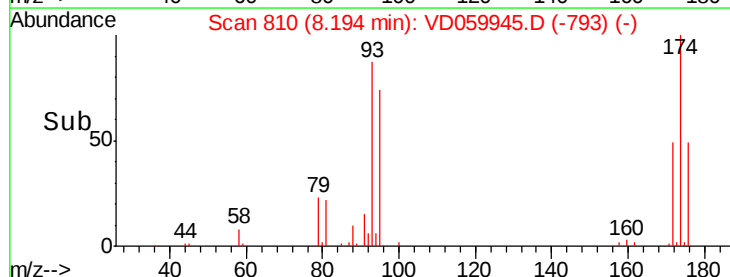
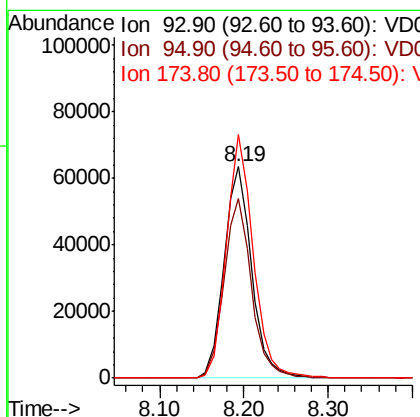
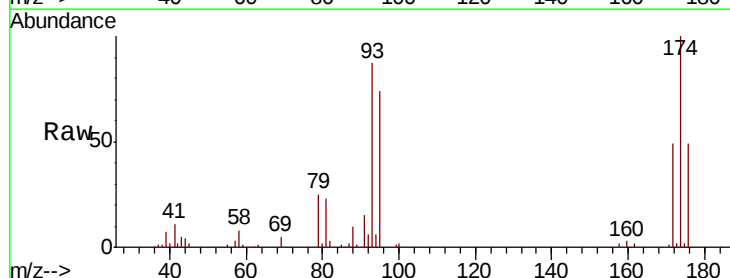
Manual Integrations
APPROVED

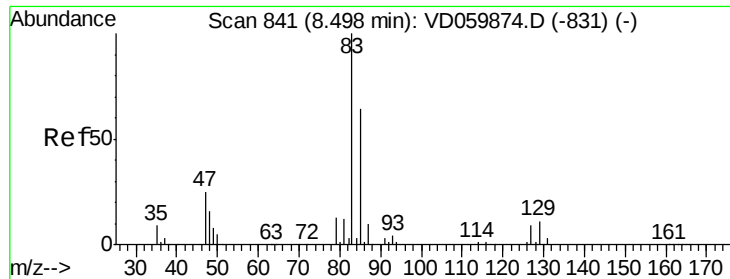
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#46
Dibromomethane
Concen: 20.13 ug/l
RT: 8.19 min Scan# 810
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.6	100.0
174	115.2	82.4	123.6





#47

Bromodichloromethane

Concen: 20.27 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

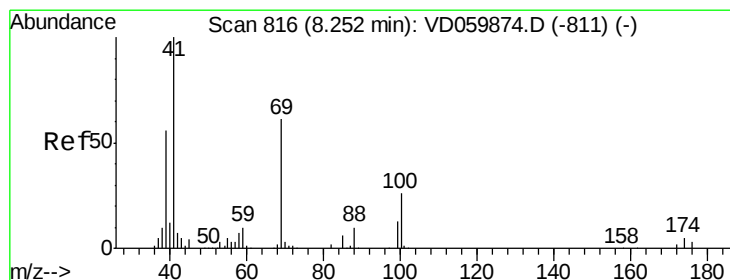
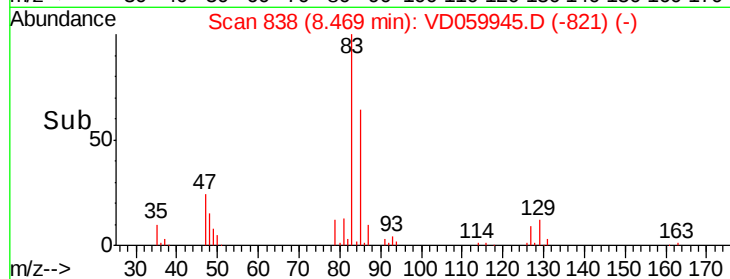
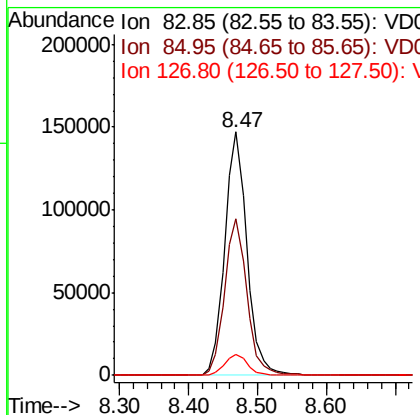
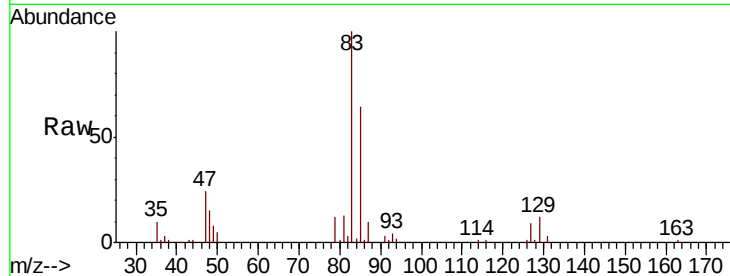
ClientSampleId :

VD0904SBS01

Tot Ion:	83	Resp:	328064
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.3	76.9
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.37 ug/l

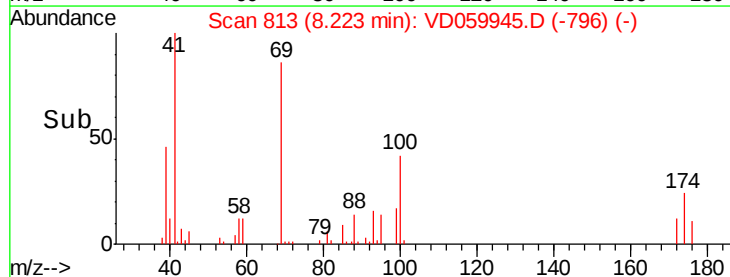
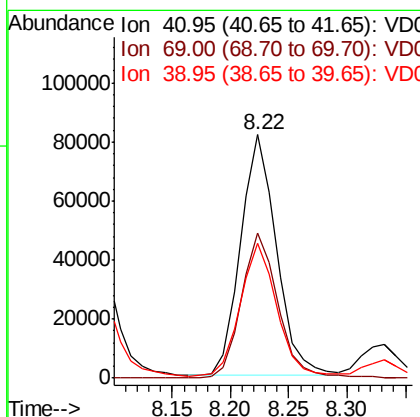
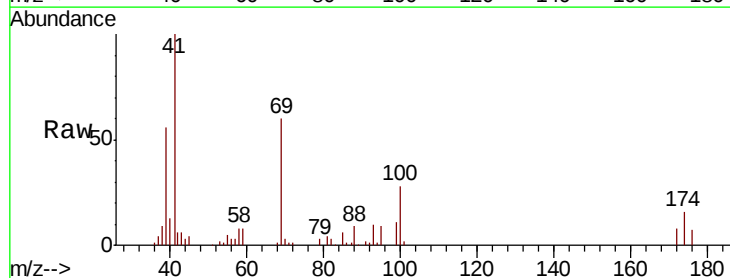
RT: 8.22 min Scan# 813

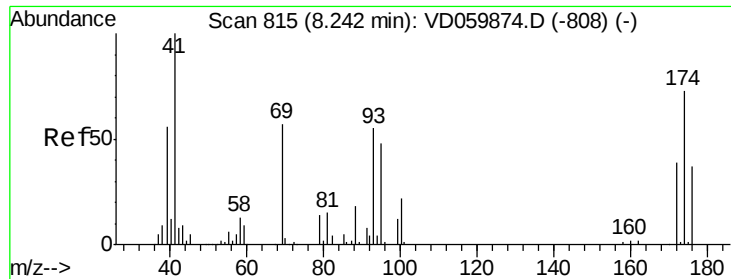
Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion:	41	Resp:	174882
Ion Ratio	Lower	Upper	
41	100		
69	59.6	48.0	72.0
39	55.5	45.4	68.0





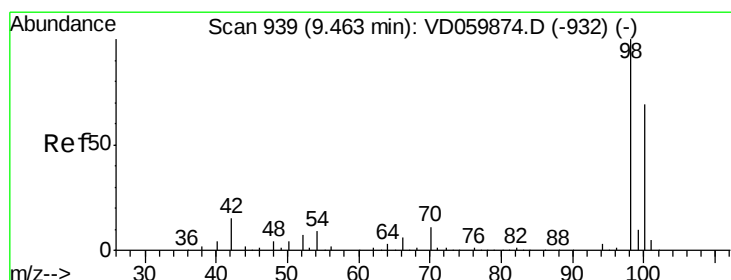
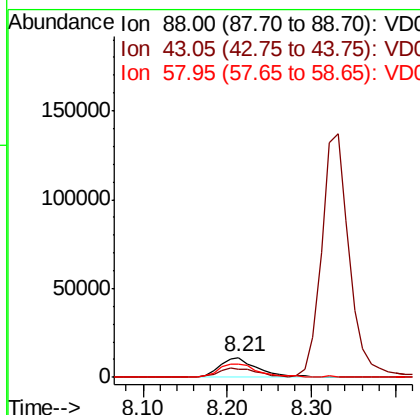
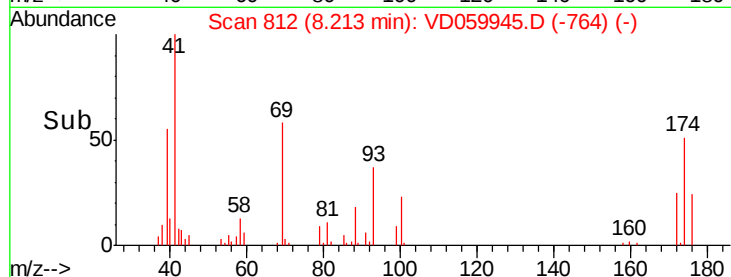
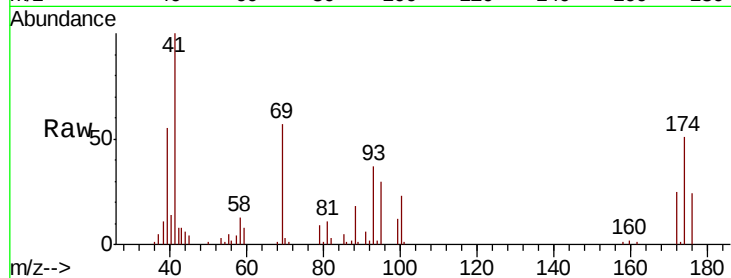
#49
1,4-Dioxane
Concen: 427.42 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	45.0	67.6#
58	70.1	55.8	83.8

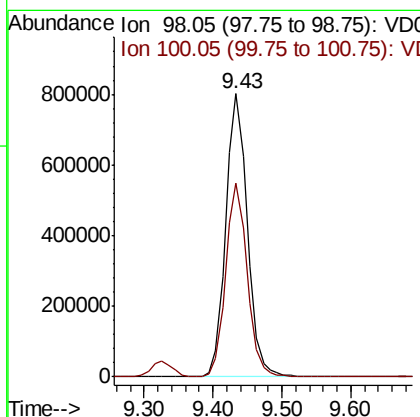
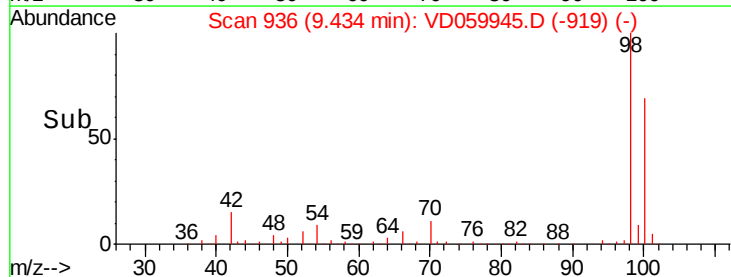
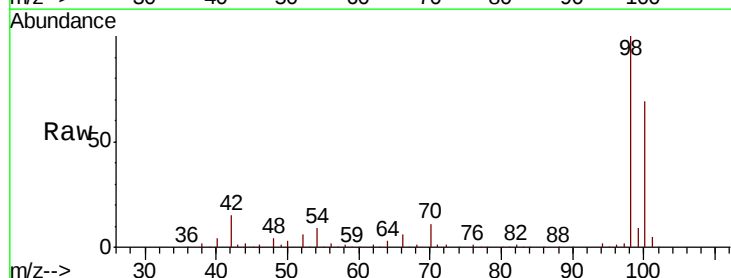
Manual Integrations
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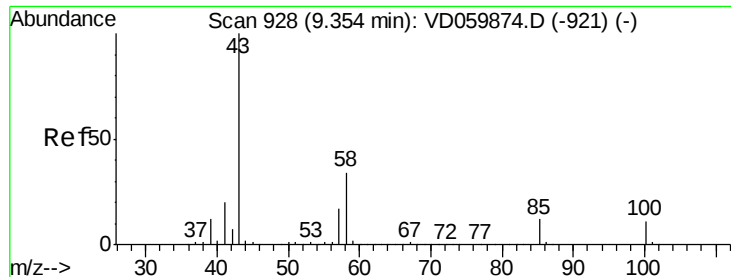
apatel
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#50
Toluene-d8
Concen: 427.42 ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.6	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 89.03 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tot Ion: 43 Resp: 1028137

Ion Ratio Lower Upper

43 100

58 32.2 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

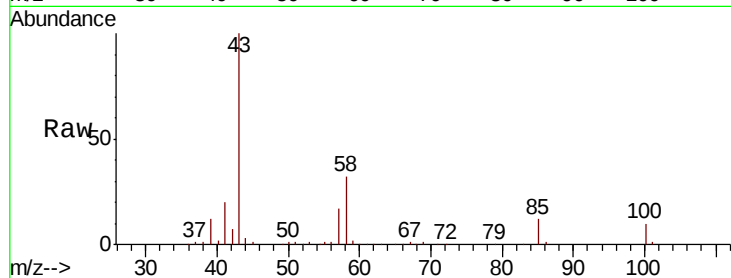
VD0904SBS01

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

500000

400000

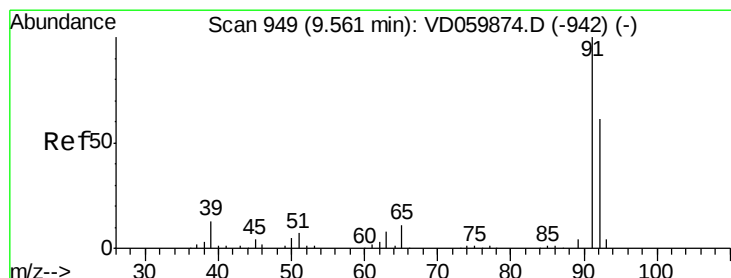
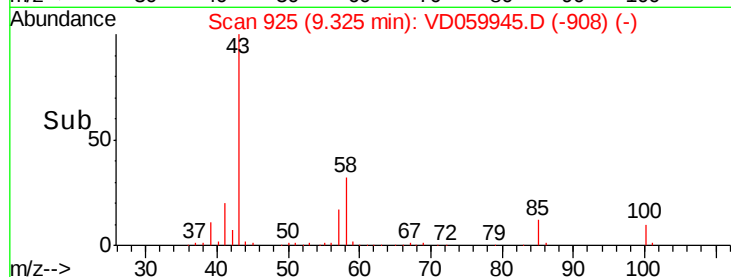
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.58 ug/l

RT: 9.52 min Scan# 945

Delta R.T. -0.04 min

Lab File: VD059945.D

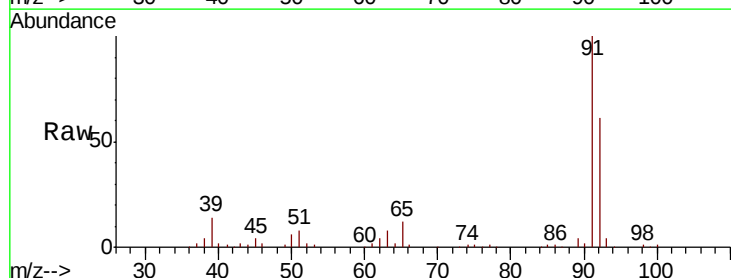
Acq: 4 Sep 2018 15:31

Tgt Ion: 92 Resp: 524961

Ion Ratio Lower Upper

92 100

91 164.4 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.52

400000

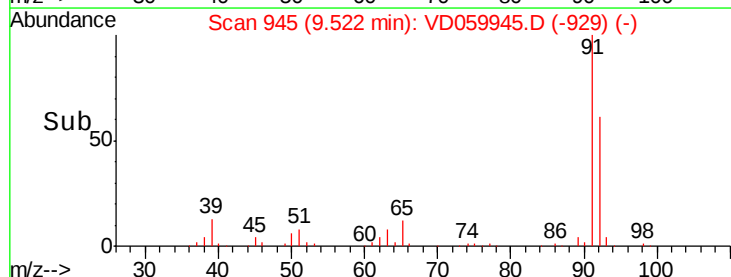
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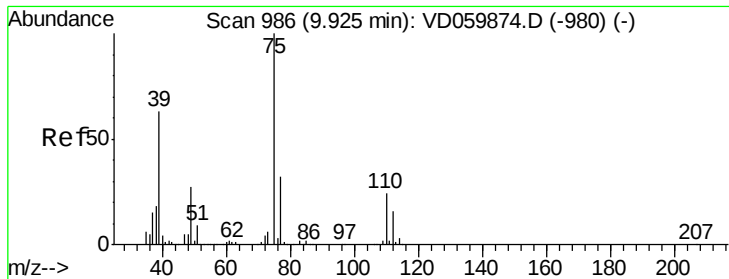
200000

100000

0

Time-->





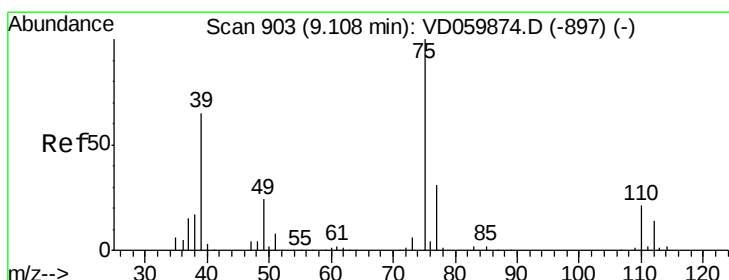
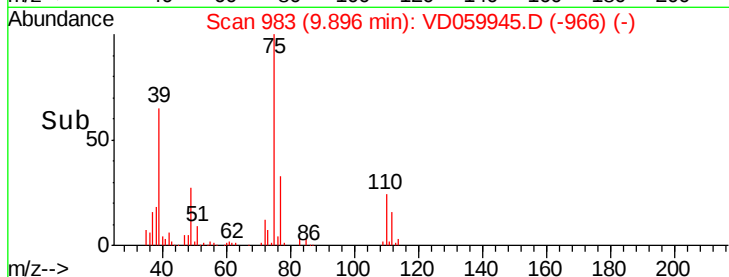
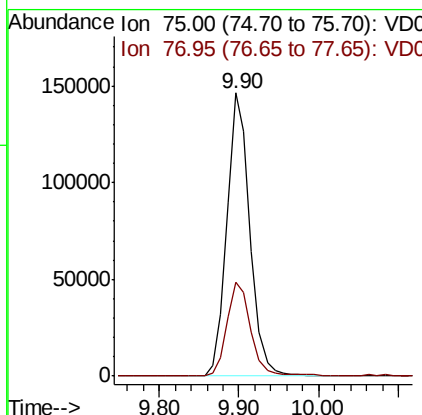
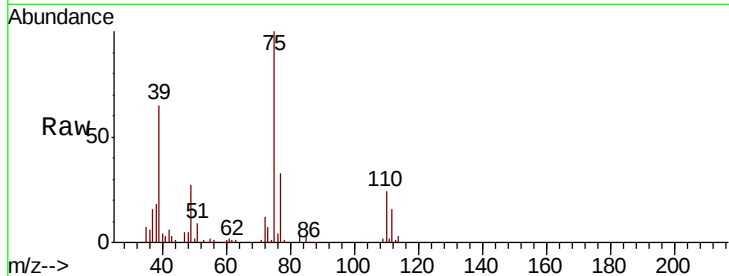
#53
 t-1,3-Dichloropropene
 Concen: 19.78 ug/l
 RT: 9.90 min Scan# 983
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 75 Resp: 296156
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2

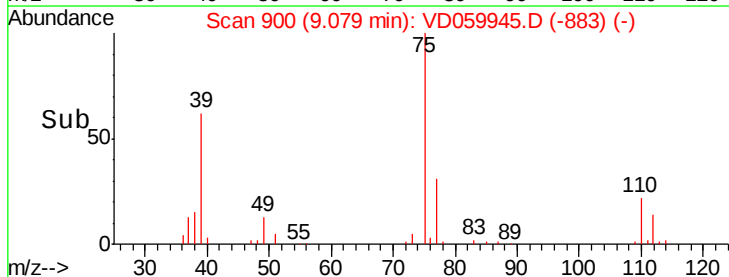
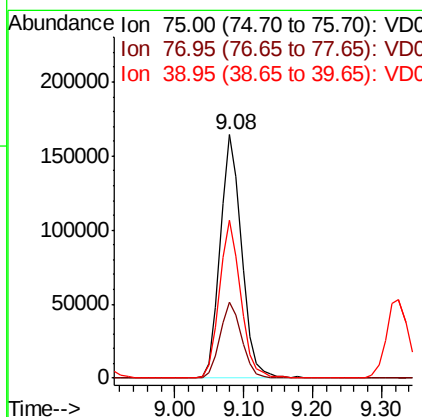
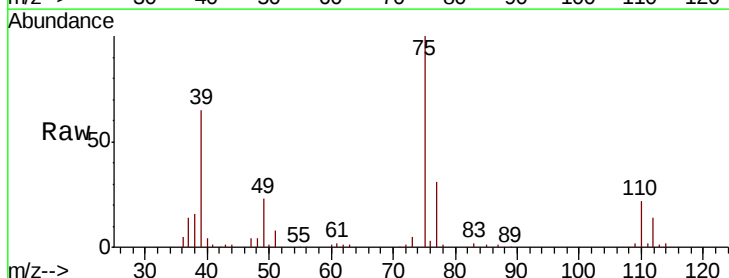
Manual Integrations
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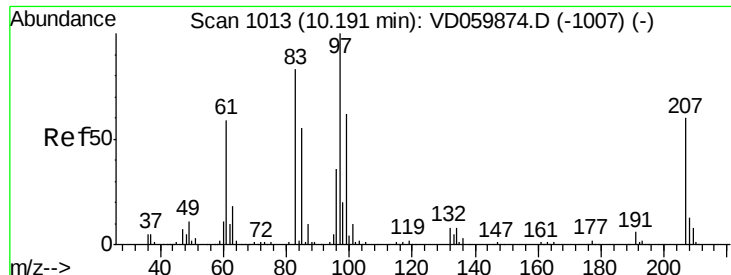
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#54
 cis-1,3-Dichloropropene
 Concen: 20.45 ug/l
 RT: 9.08 min Scan# 900
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 75 Resp: 355050
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 64.7 52.1 78.1





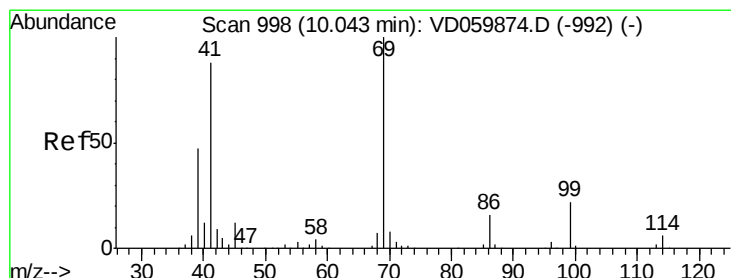
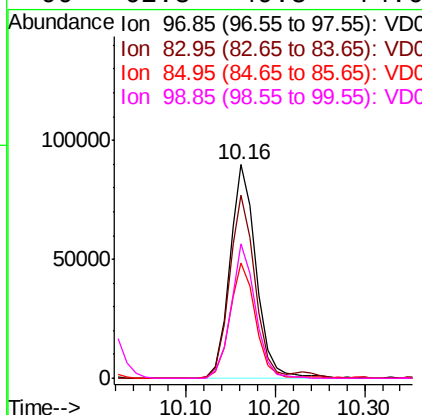
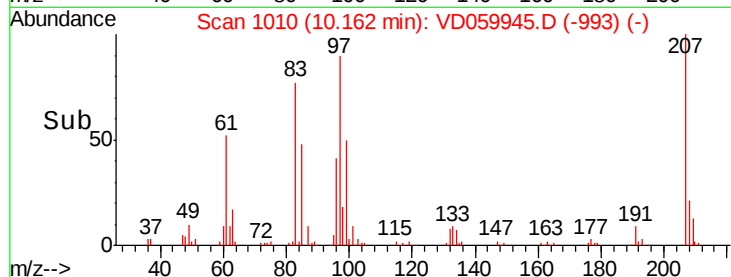
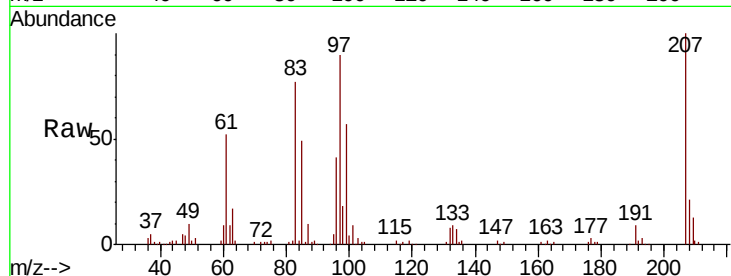
#55
 1,1,2-Trichloroethane
 Concen: 19.96 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	186136		
83	85.5	66.7	100.1	
85	53.8	43.8	65.6	
99	62.8	49.8	74.6	

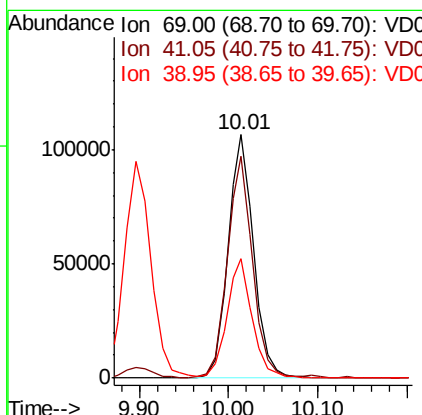
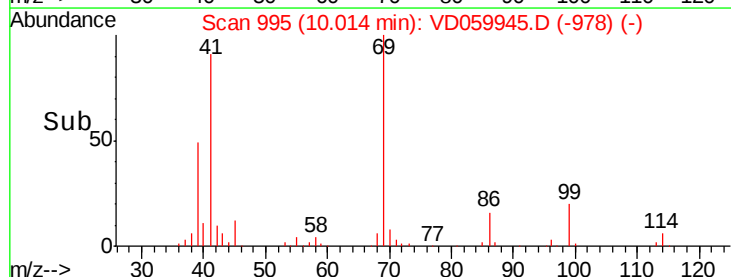
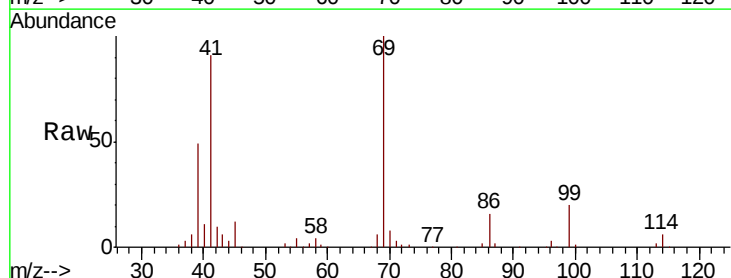
Manual Integrations
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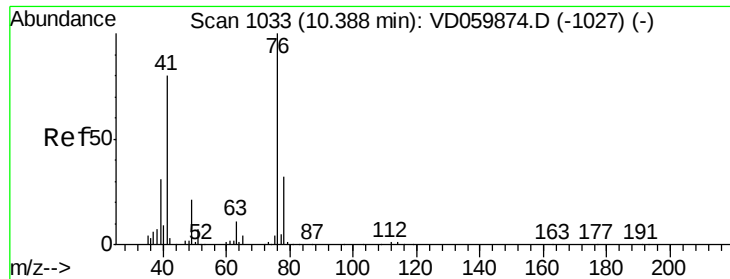
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#56
 Ethyl methacrylate
 Concen: 19.83 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	213418		
41	91.2	71.0	106.4	
39	49.1	38.5	57.7	





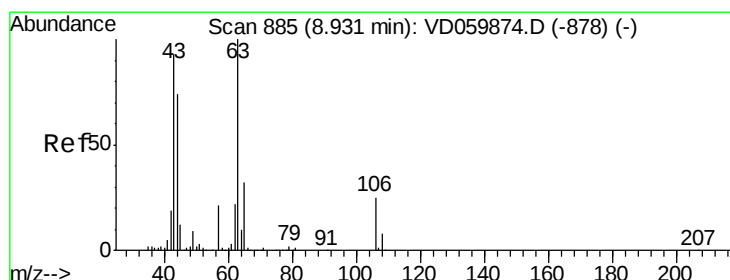
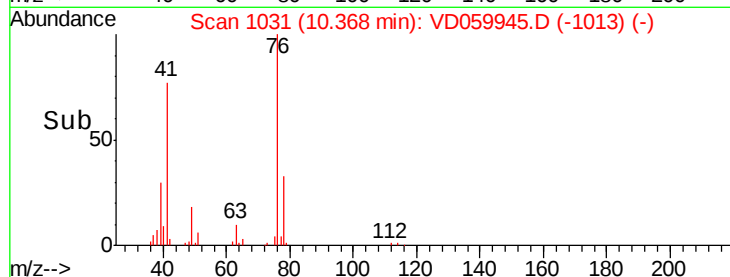
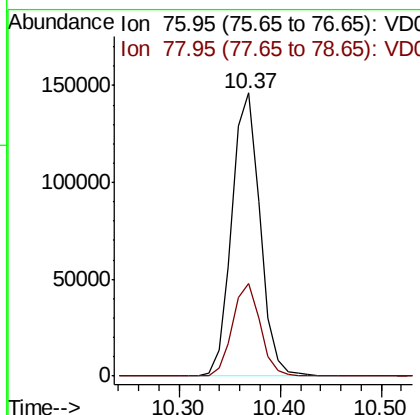
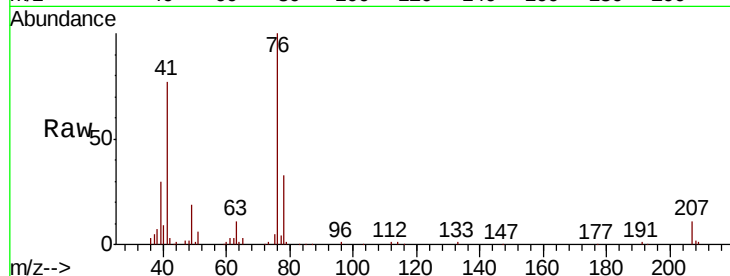
#57
 1,3-Dichloropropane
 Concen: 20.98 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 76 Resp: 283207
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

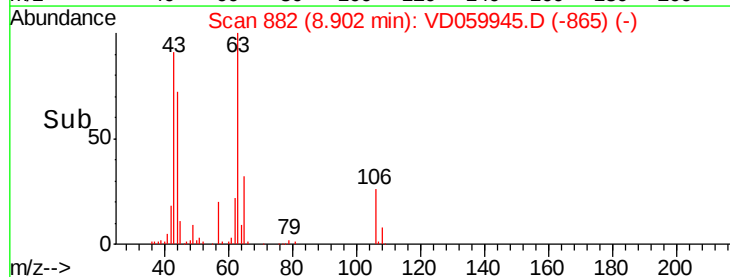
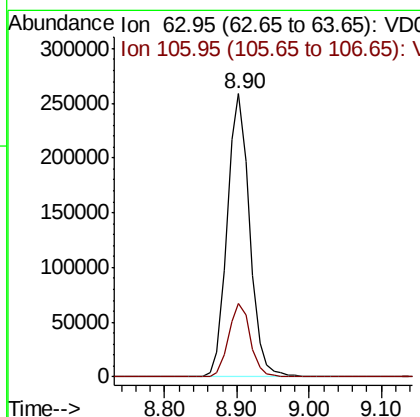
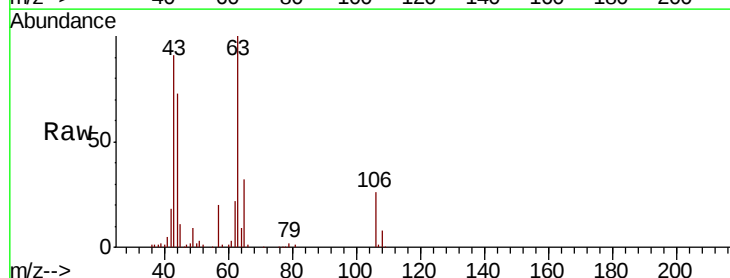
Manual Integrations
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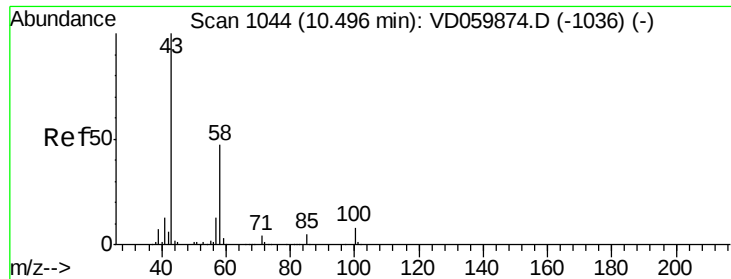
apatel
 9/5/2018 12:25:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.40 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 63 Resp: 559678
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.1 30.1





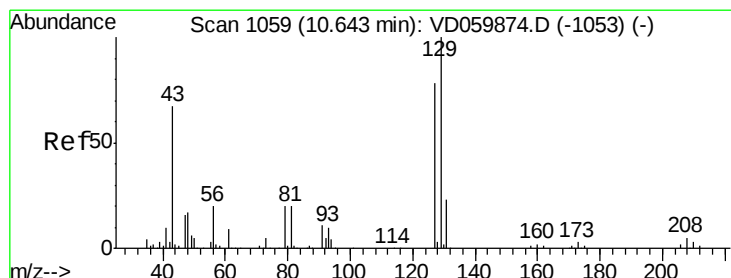
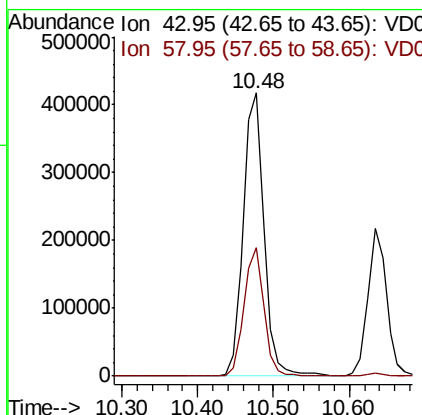
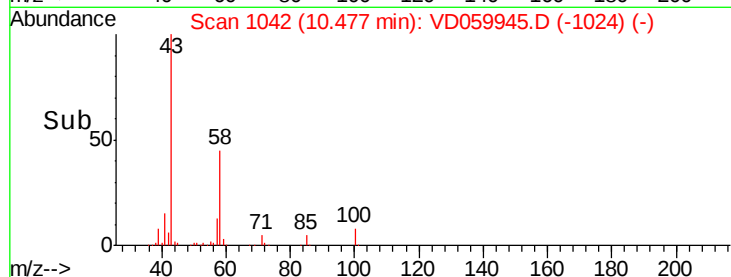
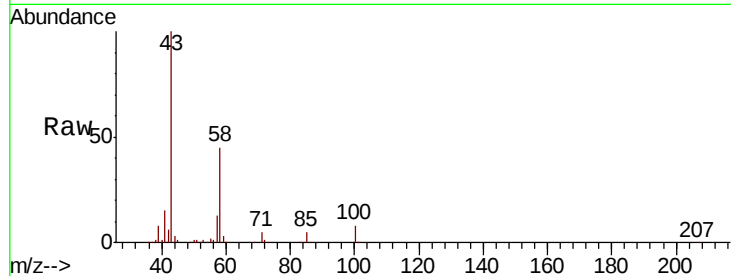
#59
2-Hexanone
Concen: 92.76 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 43 Resp: 790103
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8

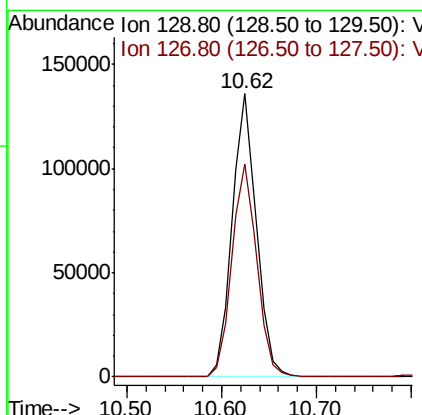
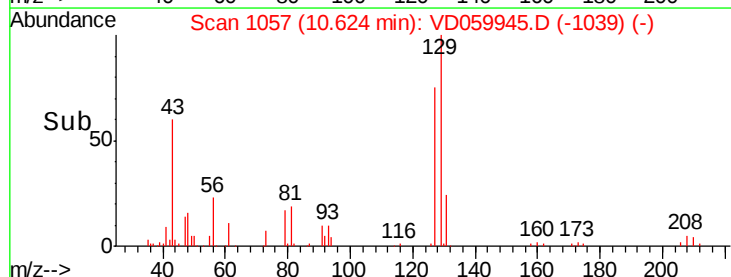
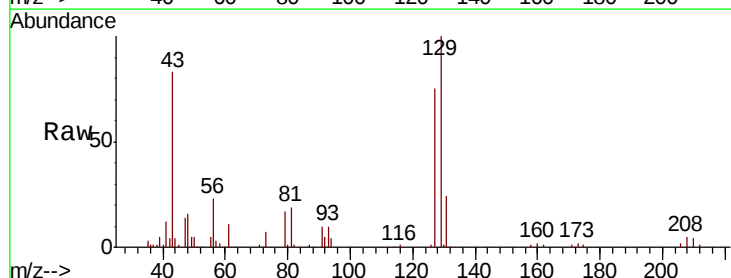
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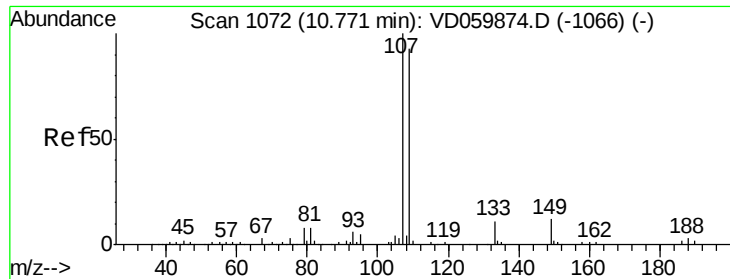
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#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 129 Resp: 240795
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.2





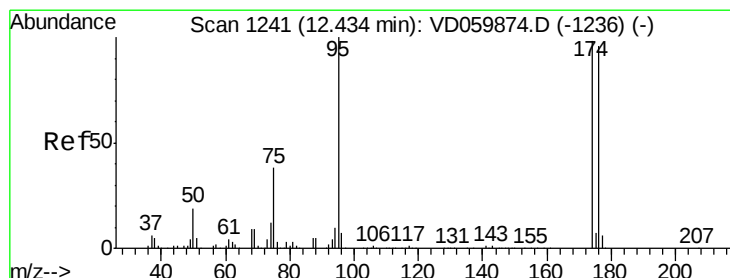
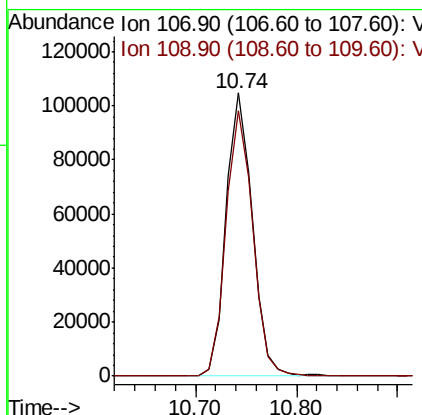
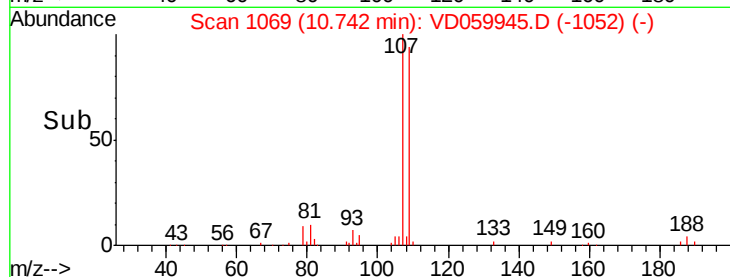
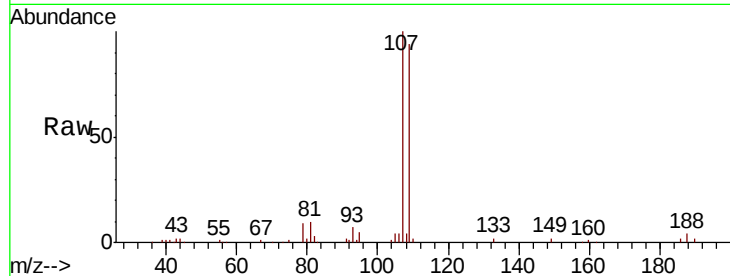
#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	189560		
109	93.7	74.6	112.0	

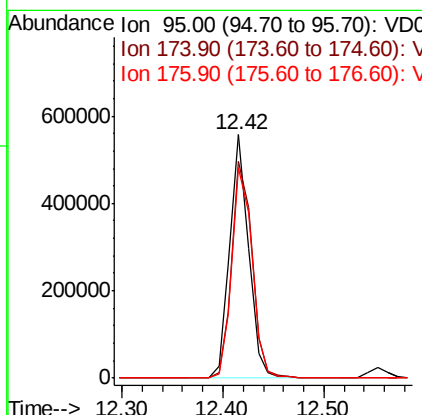
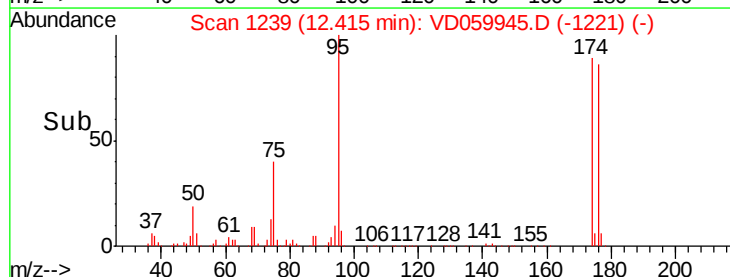
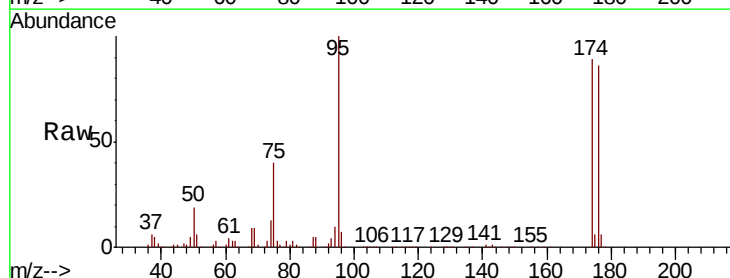
Manual Integrations
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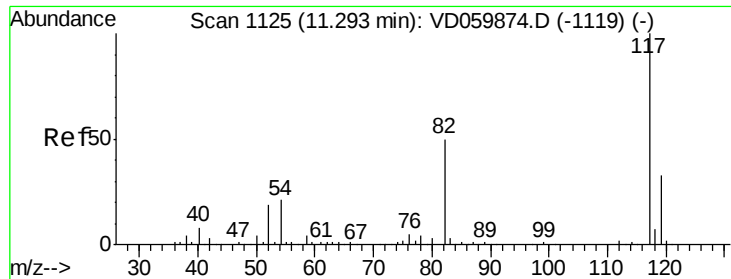
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.10 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	720470		
174	88.8	0.0	195.6	
176	86.1	0.0	191.2	





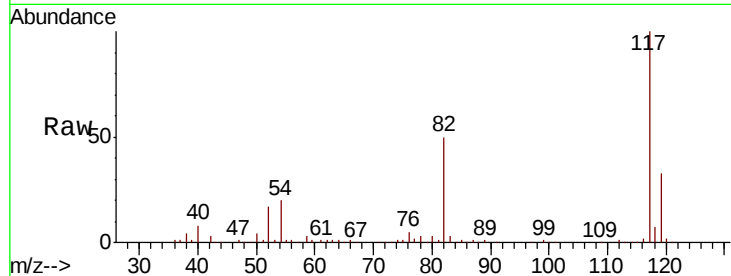
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampled :
VD0904SBS01

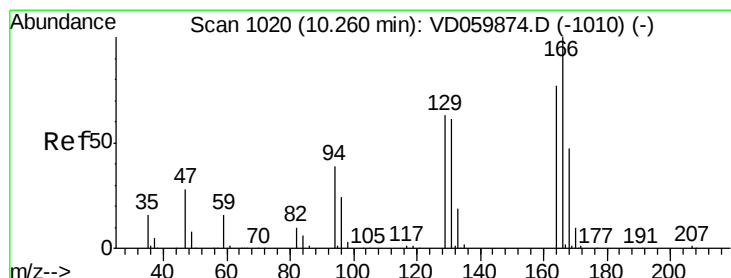
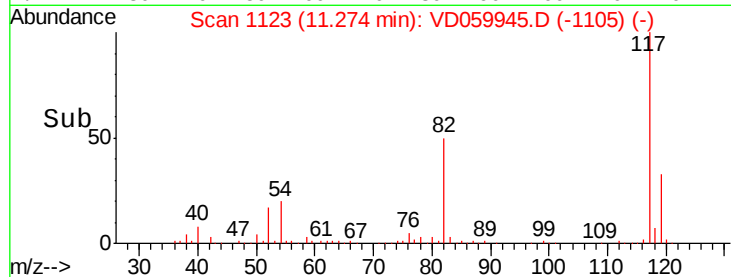
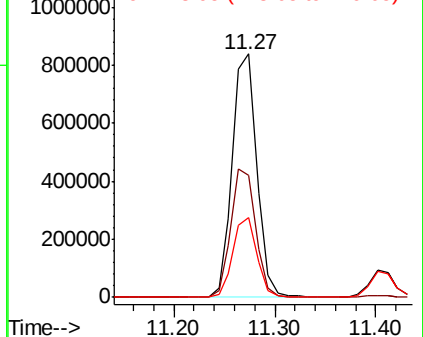
Tot Ion:117 Resp: 1416950
Ion Ratio Lower Upper
117 100
82 50.0 40.1 60.1
119 32.7 26.7 40.1

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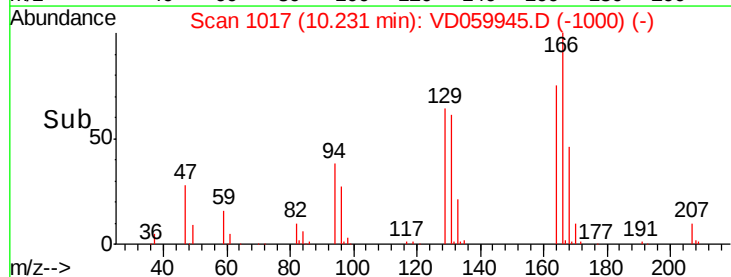
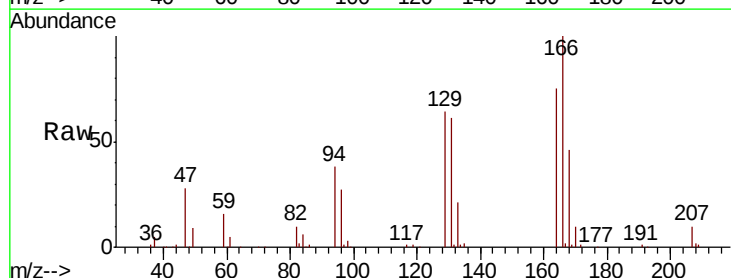
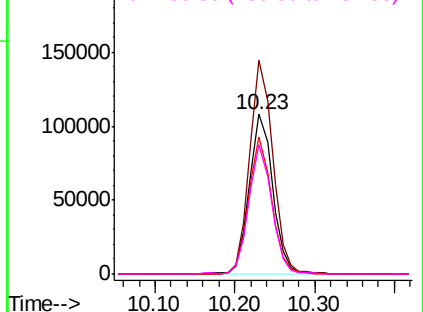
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 19.89 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion:164 Resp: 217895
Ion Ratio Lower Upper
164 100
166 133.9 103.4 155.2
129 86.1 65.2 97.8
131 81.4 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





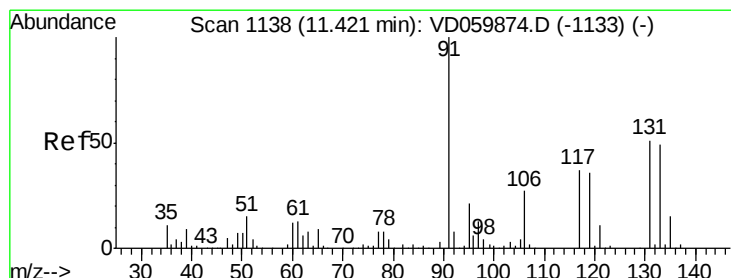
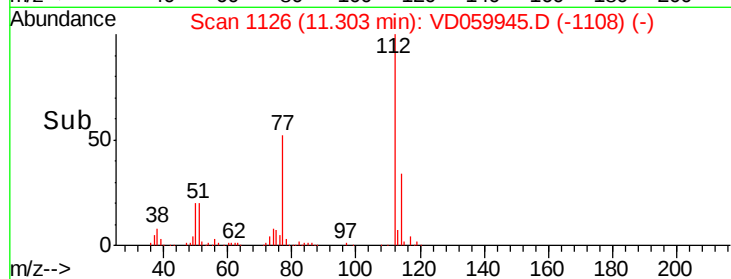
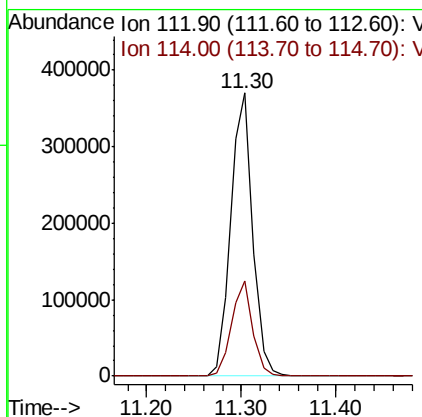
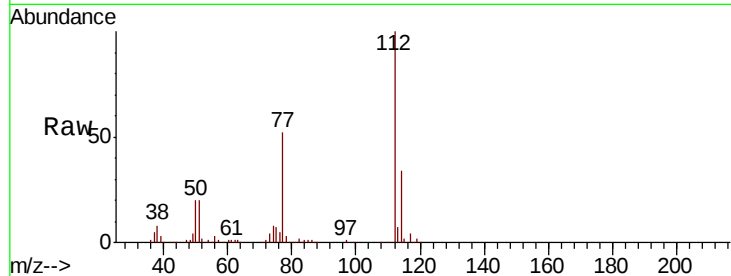
#65
Chlorobenzene
Concen: 21.01 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.4	39.6

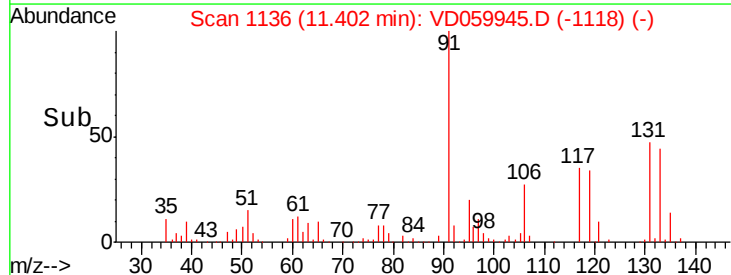
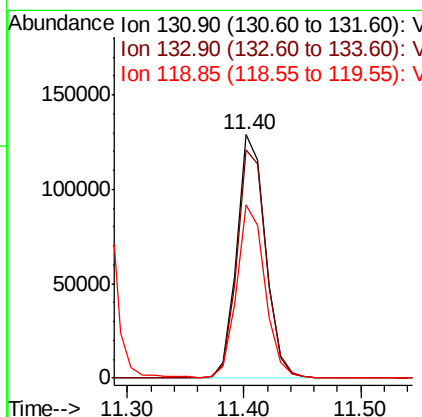
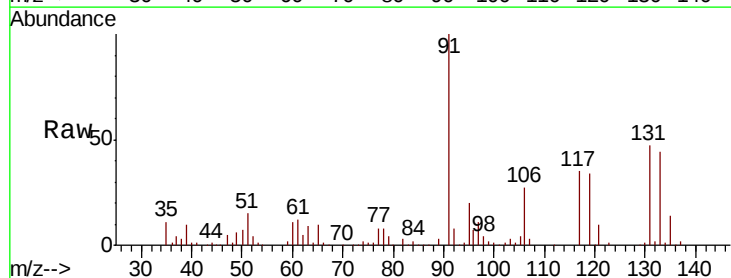
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.30 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.3	144.8
119	70.9	35.4	106.3





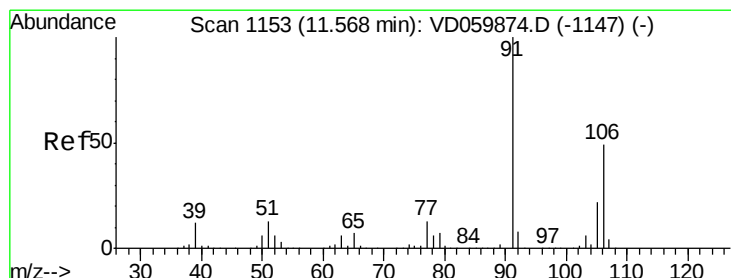
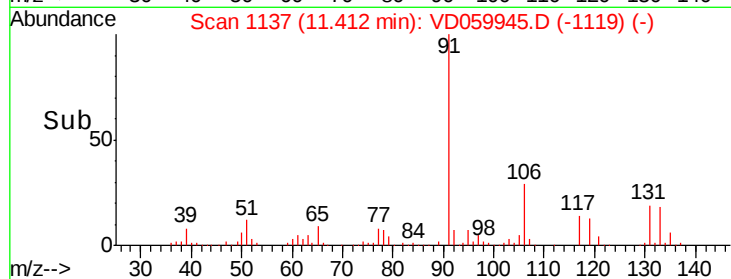
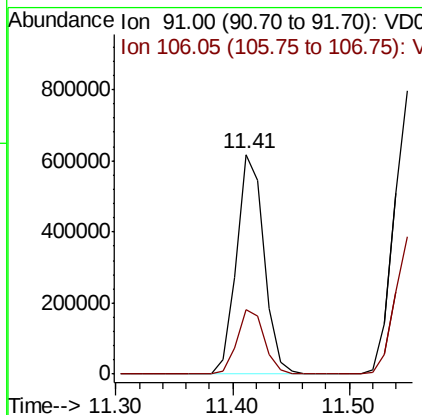
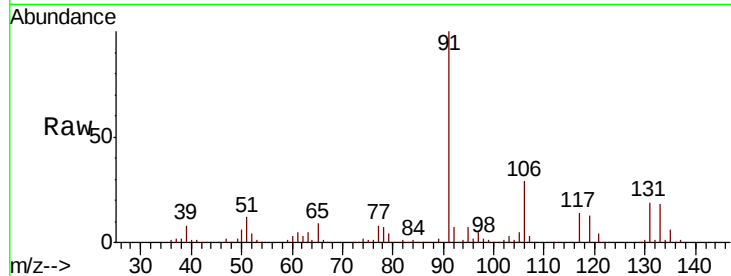
#67
Ethyl Benzene
Concen: 21.36 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 91 Resp: 1011985
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

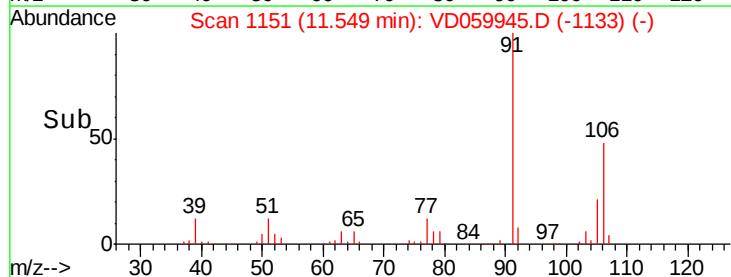
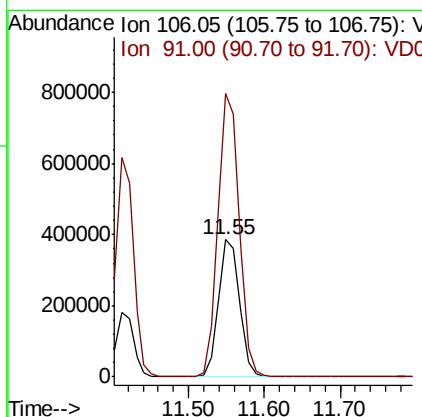
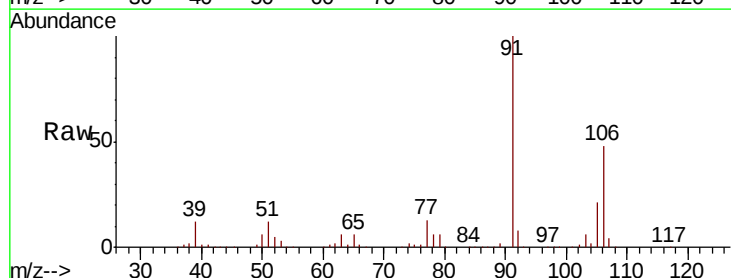
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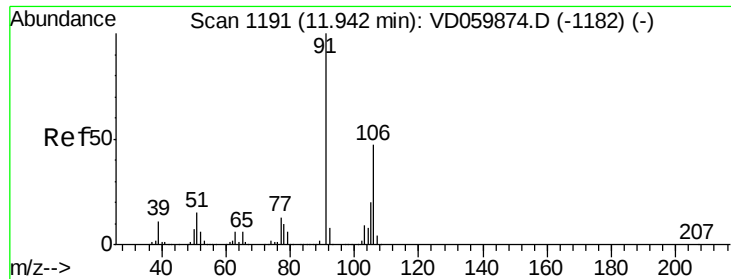
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#68
m/p-Xylenes
Concen: 43.83 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 106 Resp: 756004
Ion Ratio Lower Upper
106 100
91 206.7 162.0 243.0





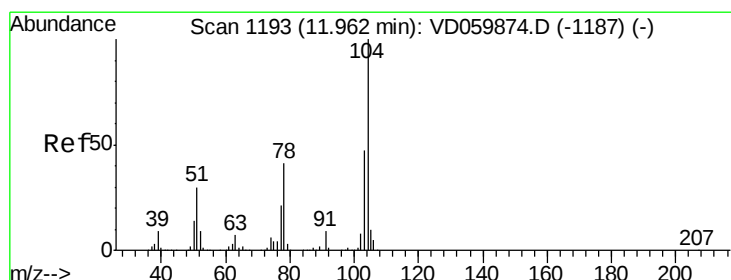
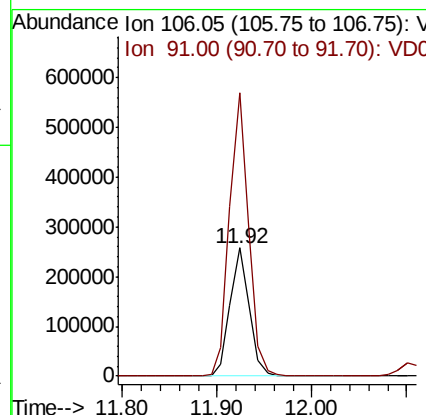
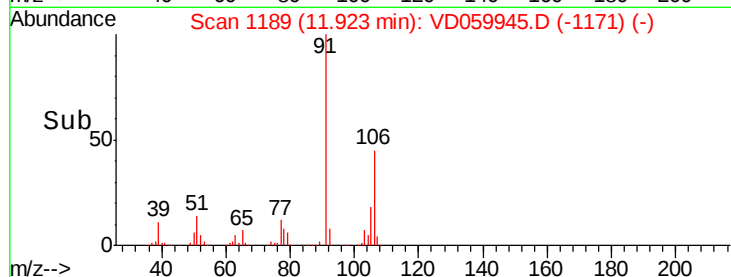
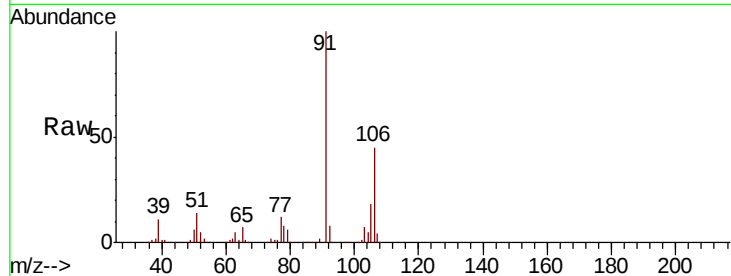
#69
o-Xylene
Concen: 21.38 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		360733		
91	220.8	107.3	322.0		

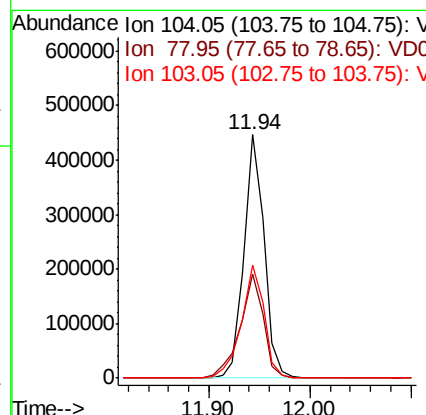
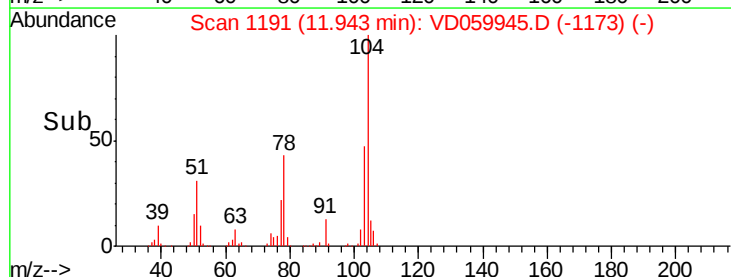
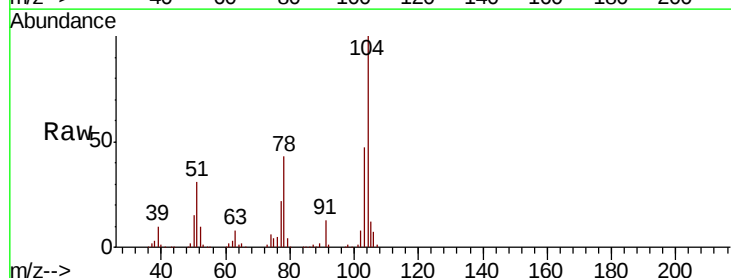
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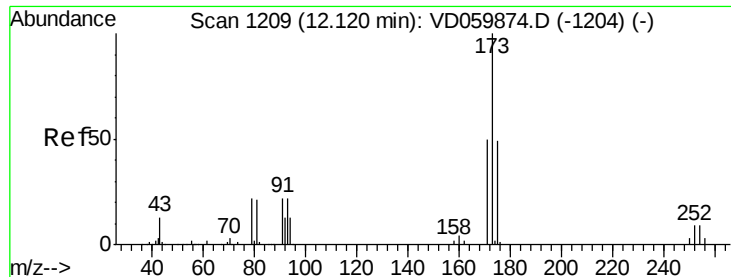
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#70
Styrene
Concen: 21.29 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		621969		
78	43.0	32.6	49.0		
103	46.5	37.7	56.5		





#71

Bromoform

Concen: 19.75 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion:173 Resp: 175791

Ion Ratio Lower Upper

173 100

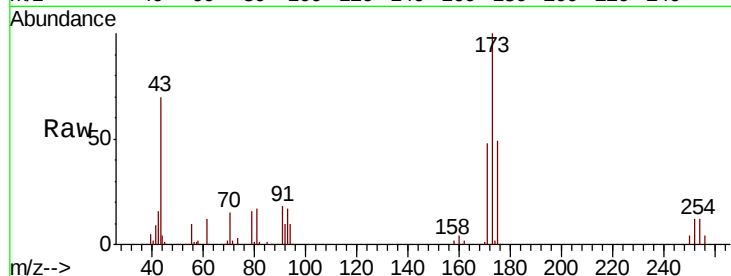
175 49.0 24.3 73.0

254 11.9 7.0 10.6#

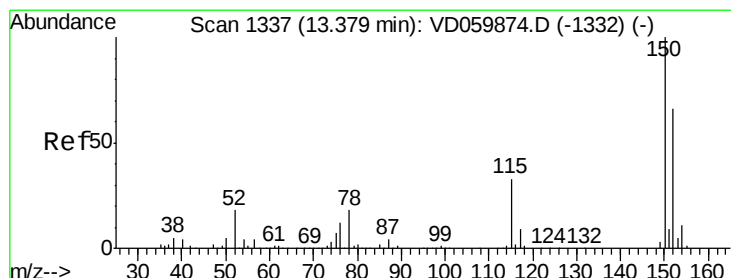
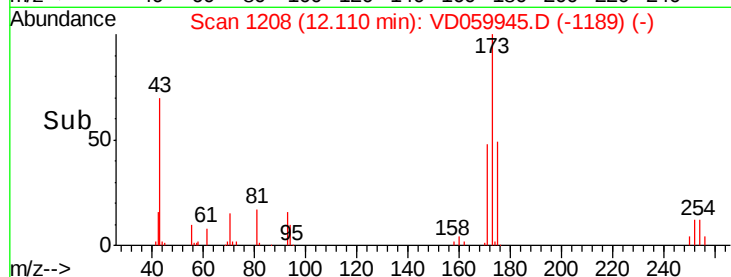
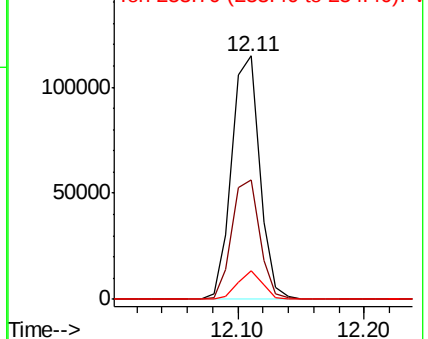
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

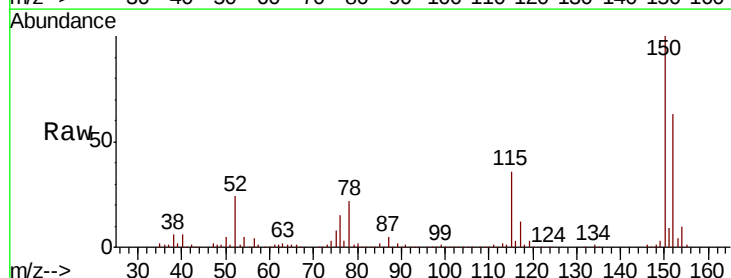
Tgt Ion:152 Resp: 748558

Ion Ratio Lower Upper

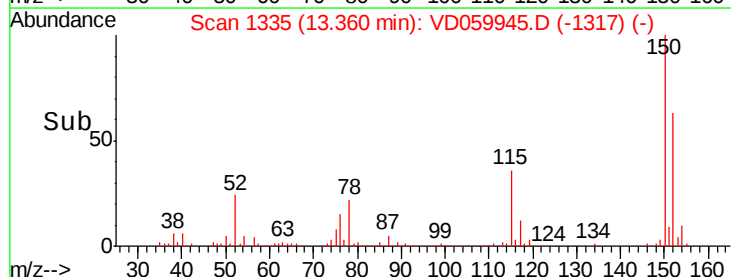
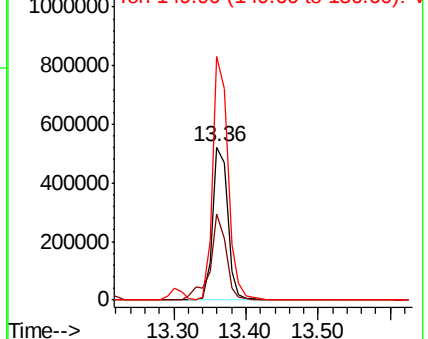
152 100

115 56.4 25.7 77.0

150 158.8 0.0 310.2



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: 21.08 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion:105 Resp: 1007114

Ion Ratio Lower Upper

105 100

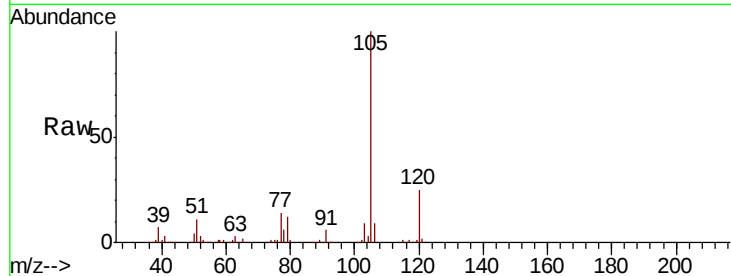
120 24.8 11.8 35.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

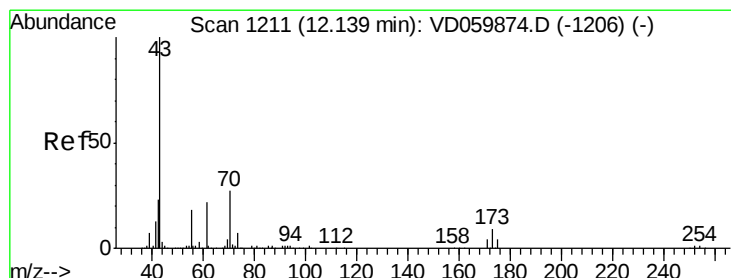
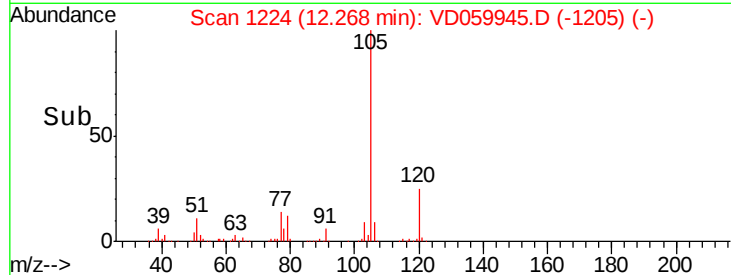
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.91 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion: 43 Resp: 416657

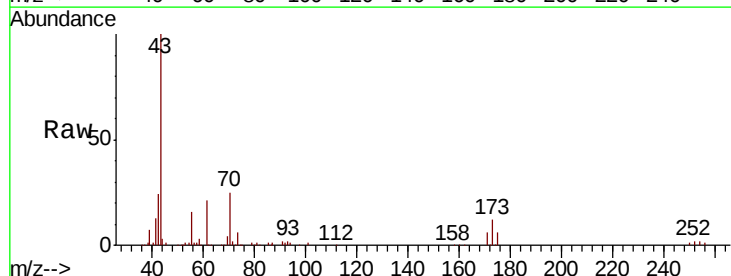
Ion Ratio Lower Upper

43 100

70 24.6 21.4 32.2

55 16.2 14.1 21.1

61 20.7 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

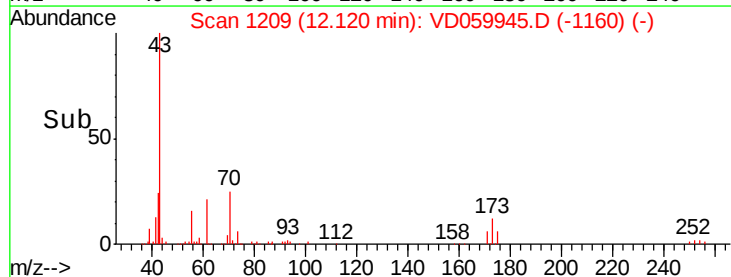
200000

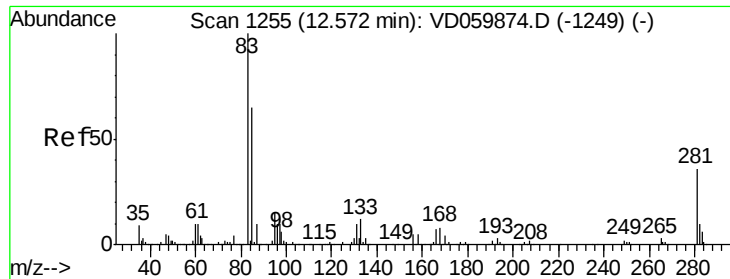
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 83 Resp: 229459

Ion Ratio Lower Upper

83 100

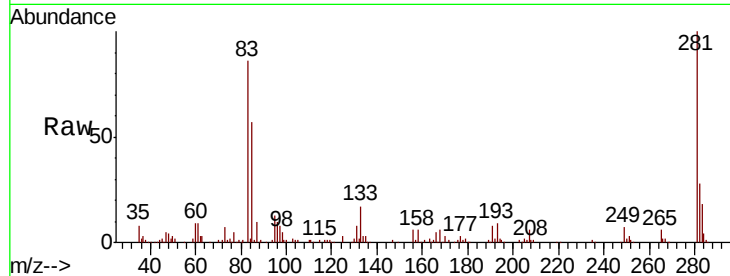
131 9.8 4.8 14.4

85 66.5 32.6 97.8

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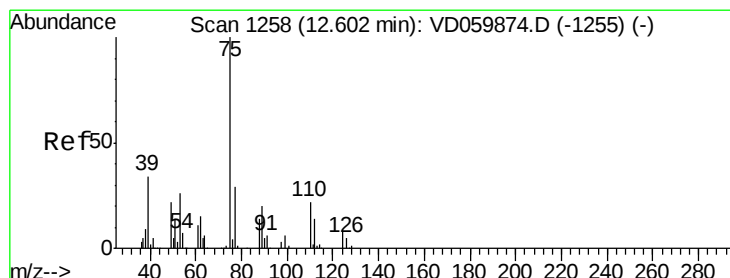
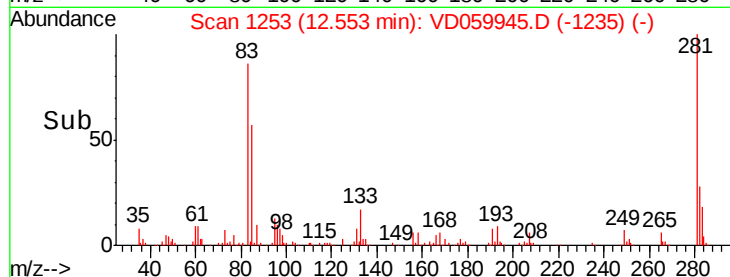
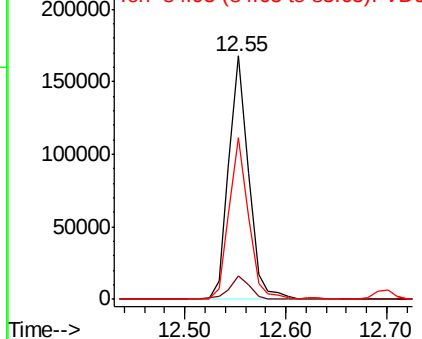
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.57 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059945.D

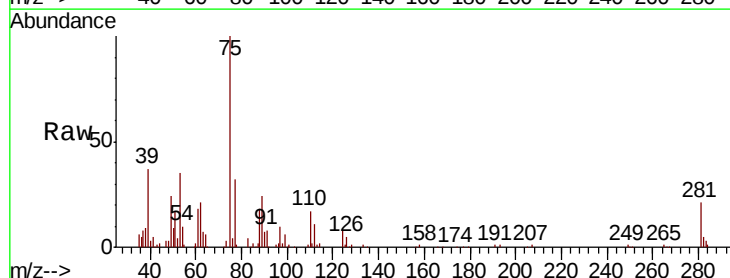
Acq: 4 Sep 2018 15:31

Tgt Ion: 75 Resp: 239354

Ion Ratio Lower Upper

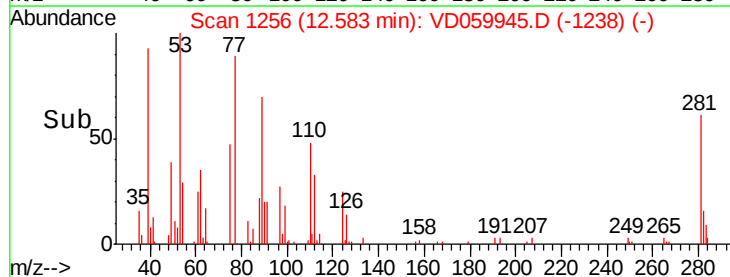
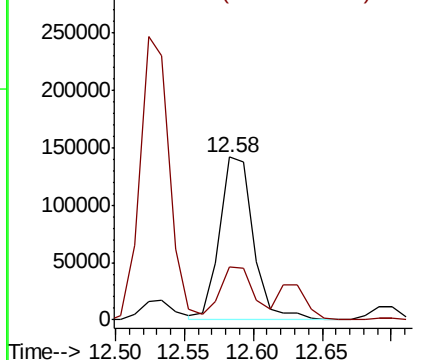
75 100

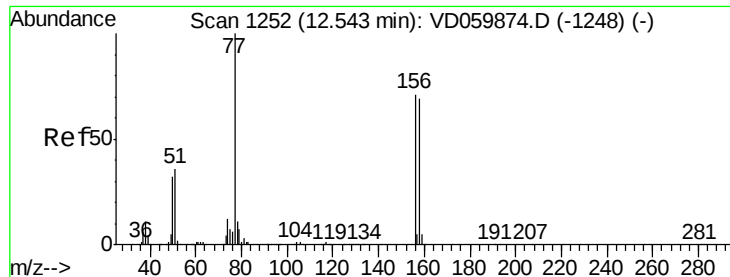
77 32.4 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.70 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

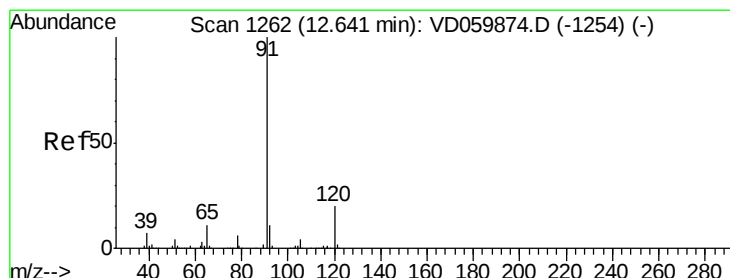
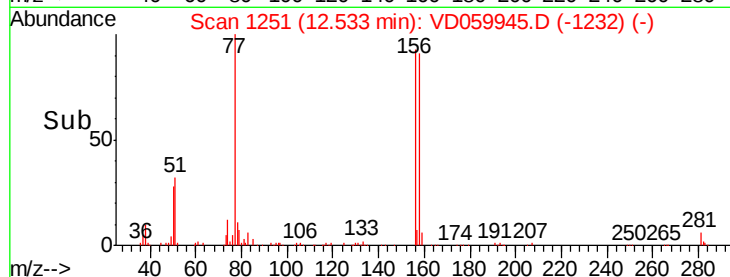
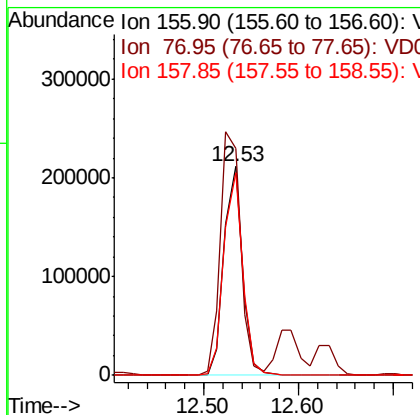
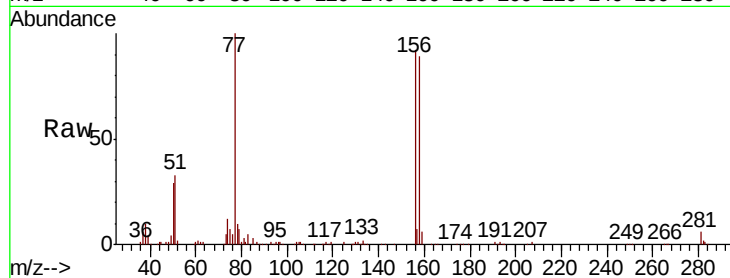
ClientSampleId :

VD0904SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	109.1	70.2	210.4
158	97.2	48.4	145.2

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#78

n-propylbenzene

Concen: 21.08 ug/l

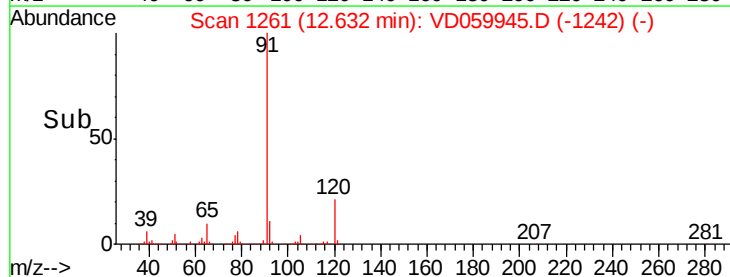
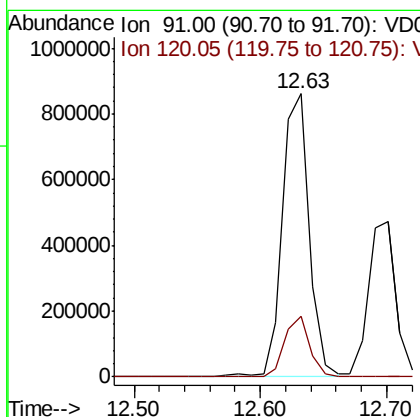
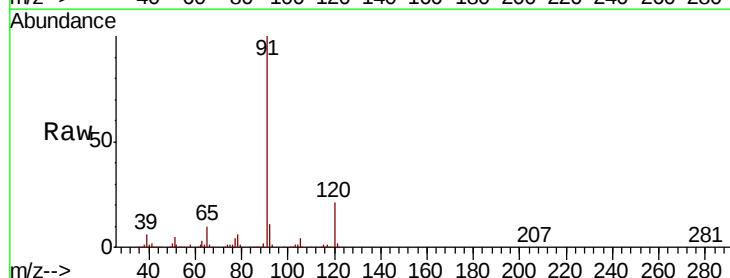
RT: 12.63 min Scan# 1261

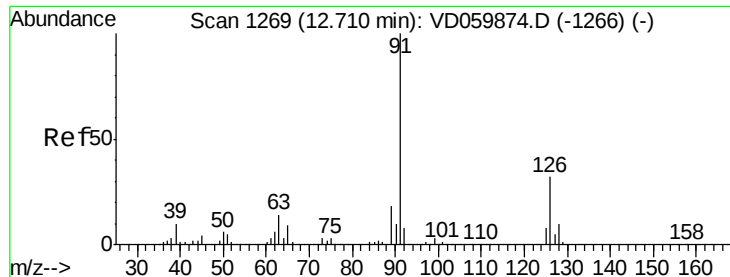
Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.1	30.3





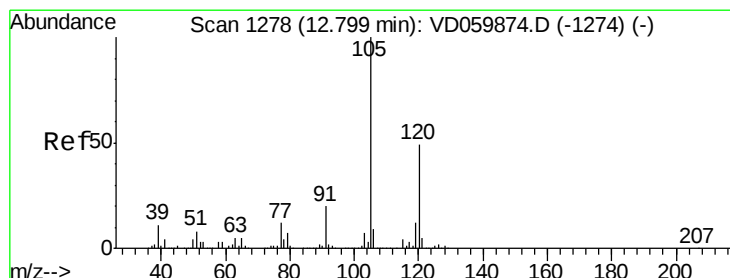
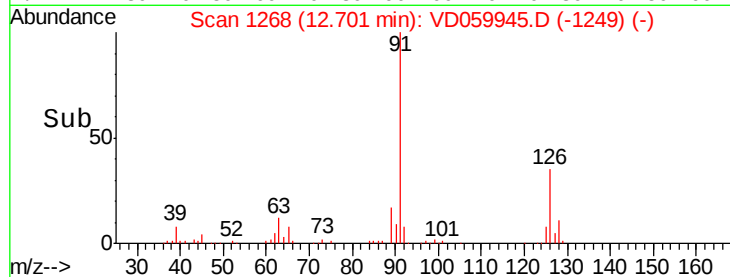
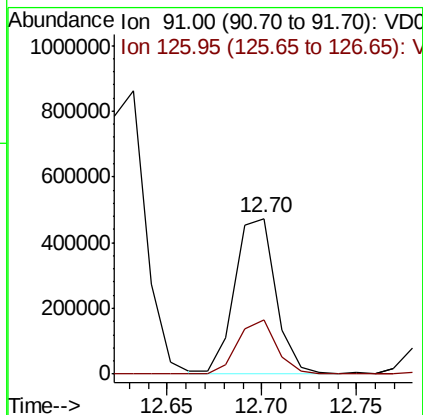
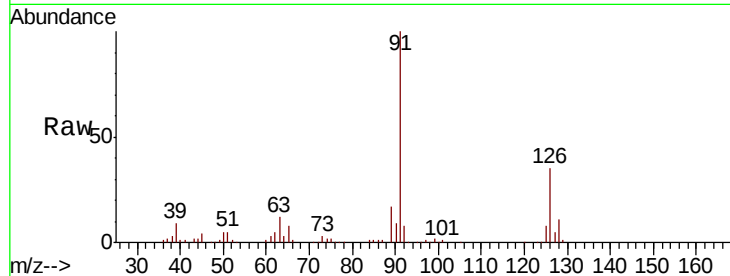
#79
2-Chlorotoluene
Concen: 20.71 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.1	48.2

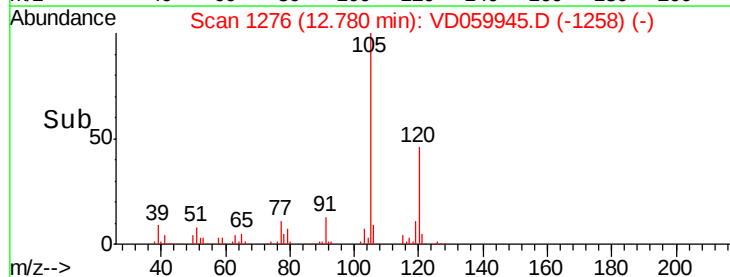
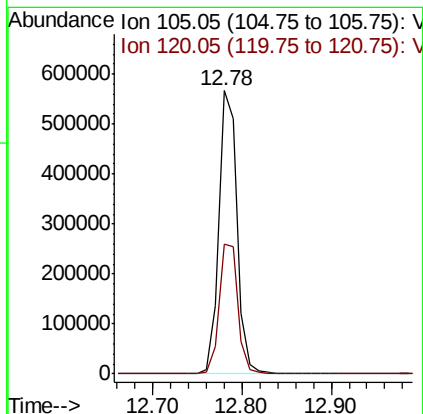
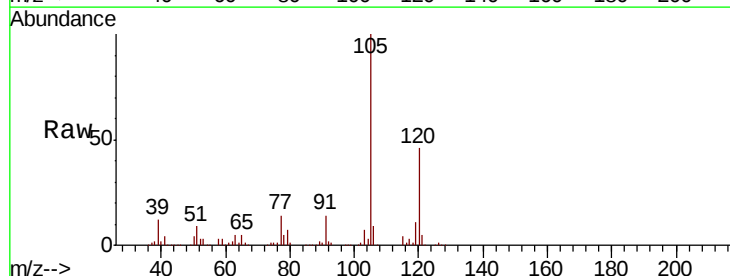
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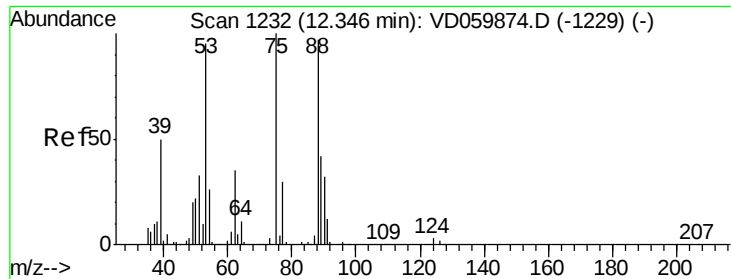
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 21.32 ug/l
RT: 12.78 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	24.5	73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.08 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion: 75 Resp: 65447

Ion Ratio Lower Upper

75 100

53 86.0 75.8 113.6

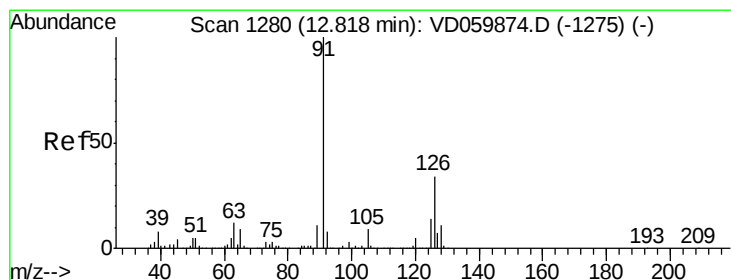
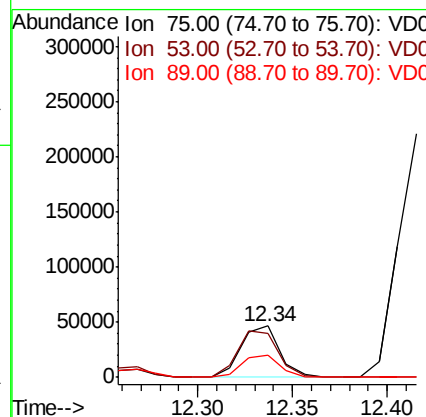
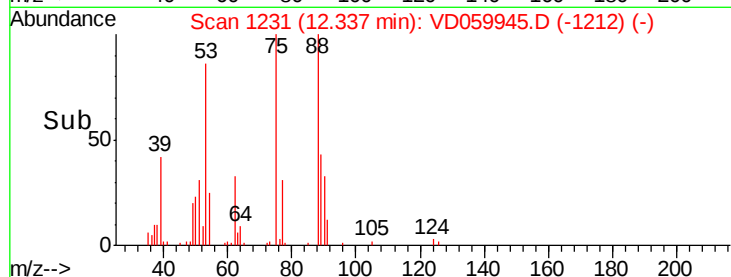
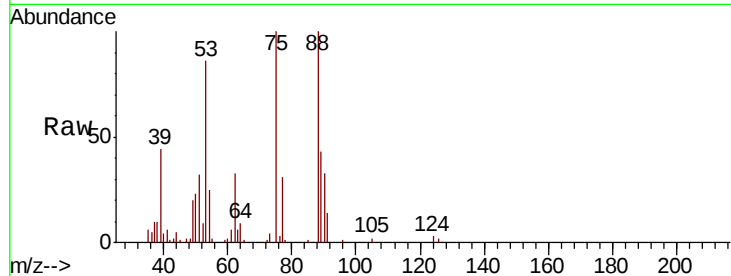
89 43.0 33.6 50.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.63 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059945.D

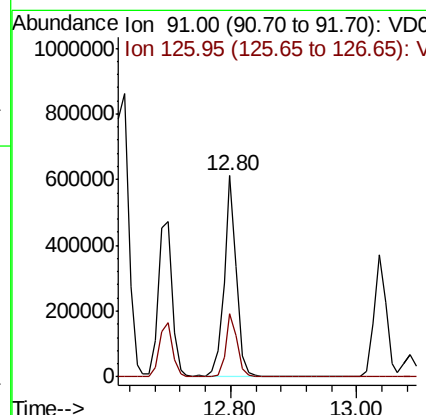
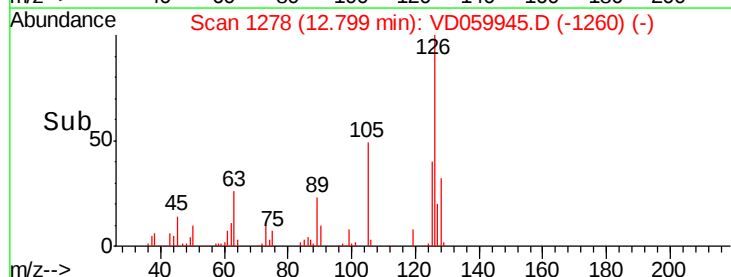
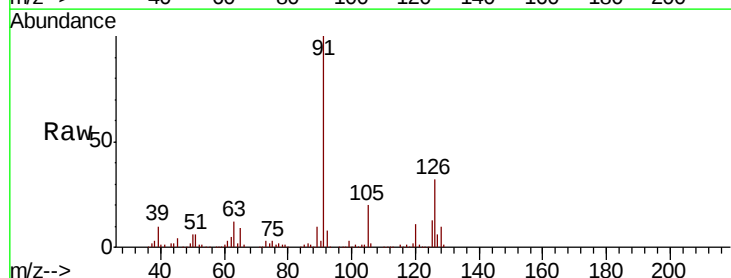
Acq: 4 Sep 2018 15:31

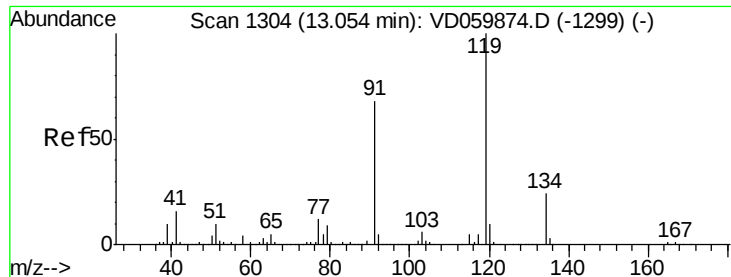
Tgt Ion: 91 Resp: 844313

Ion Ratio Lower Upper

91 100

126 31.7 17.1 51.2





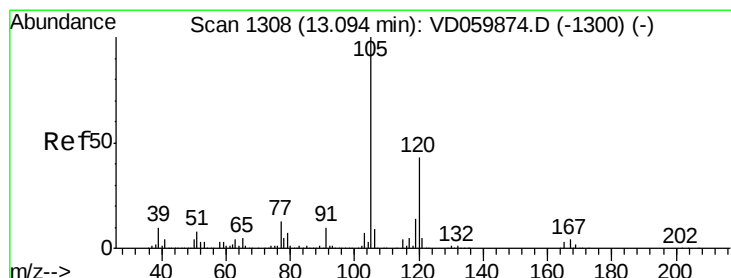
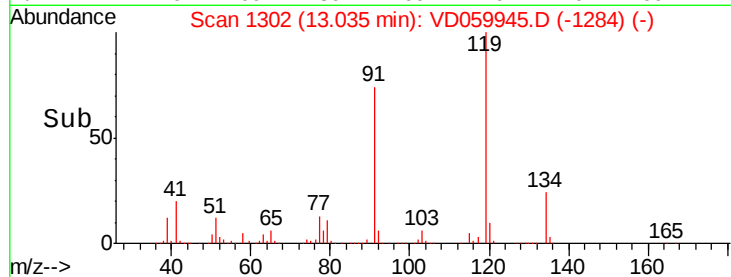
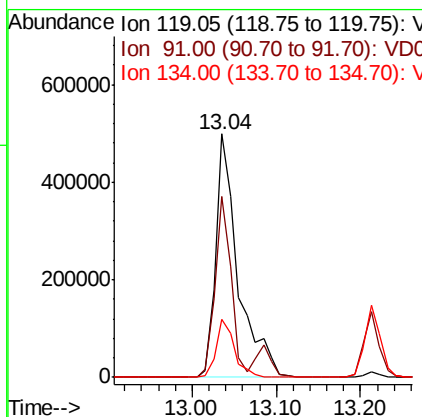
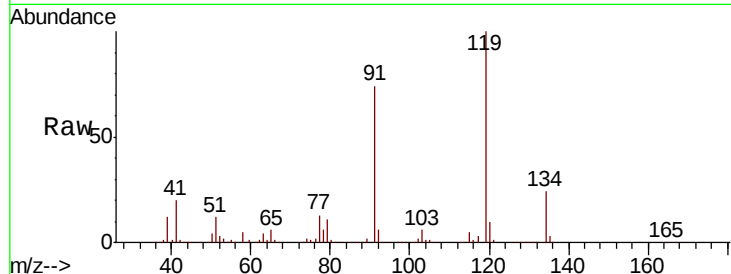
#83
tert-Butylbenzene
Concen: 21.29 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	921271		
91	74.3	34.3	102.9	
134	23.6	11.9	35.9	

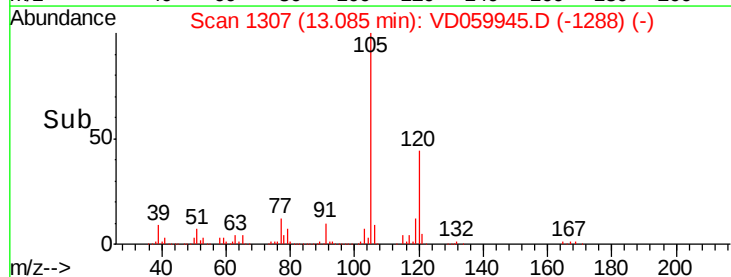
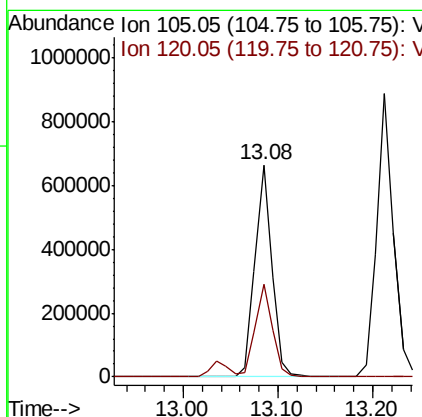
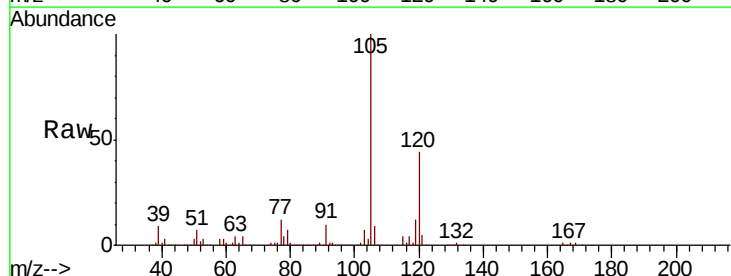
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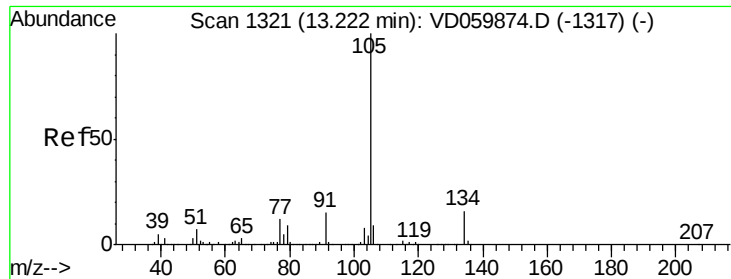
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#84
1,2,4-Trimethylbenzene
Concen: 21.06 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	833882		
120	43.8	21.8	65.3	





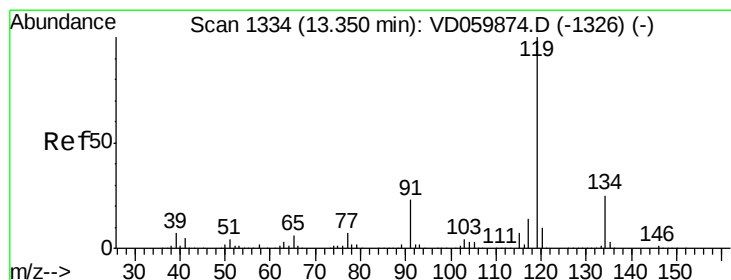
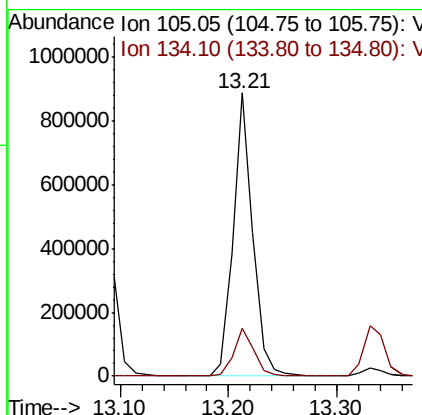
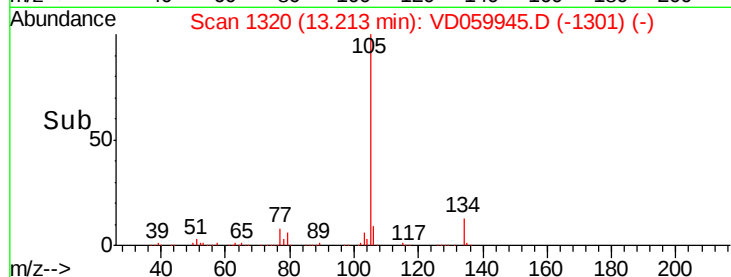
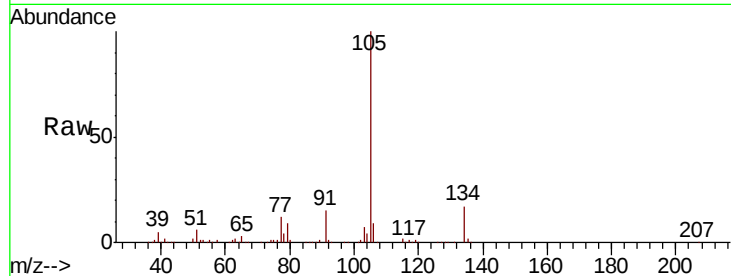
#85
 sec-Butylbenzene
 Concen: 21.81 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0904SBS01

Tot Ion:105 Resp: 1109849
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.2 24.4

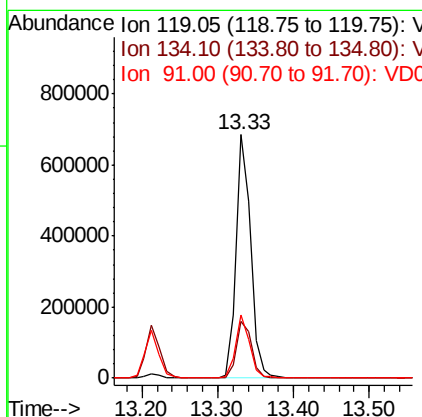
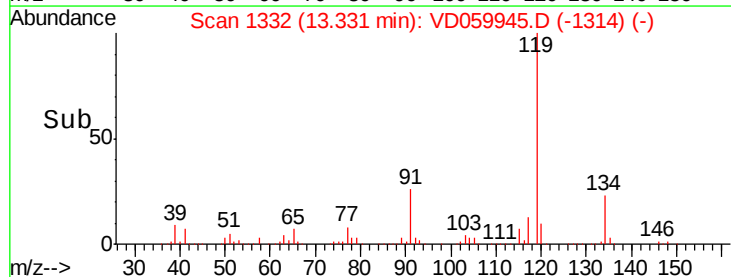
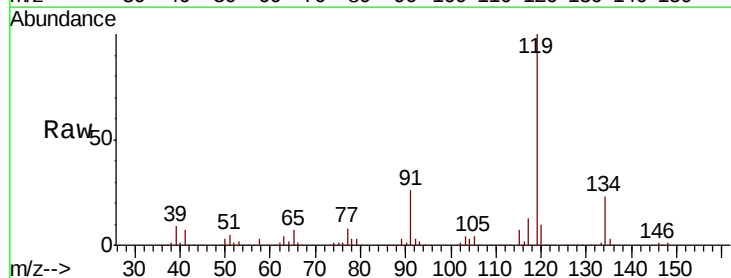
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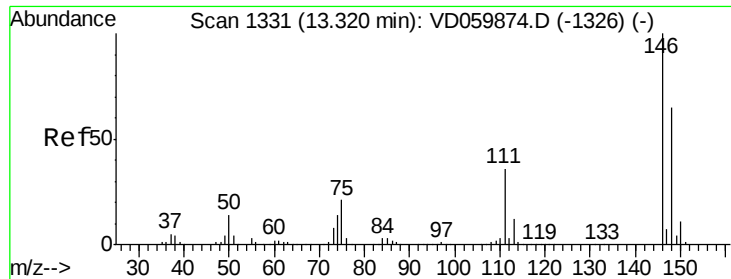
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#86
 p-Isopropyltoluene
 Concen: 21.64 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion:119 Resp: 895552
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.7 38.1
 91 26.0 11.7 35.0





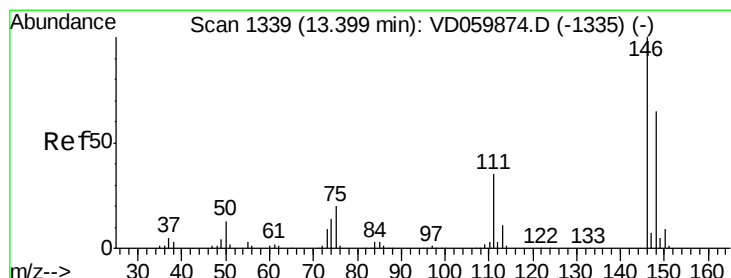
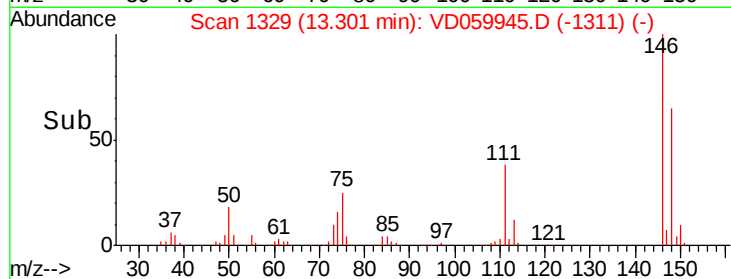
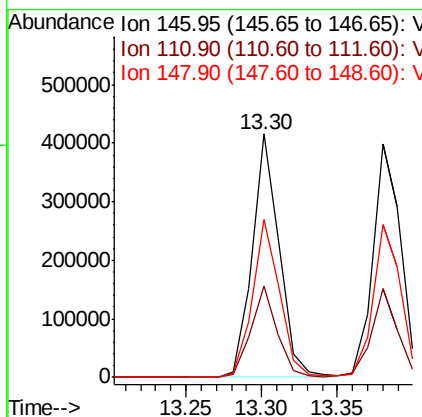
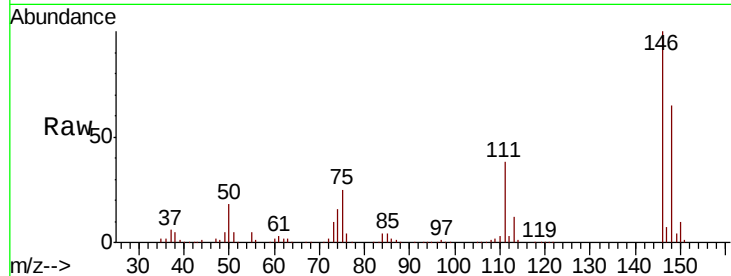
#87
 1,3-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	17.9	53.7
148	65.0	32.4	97.0

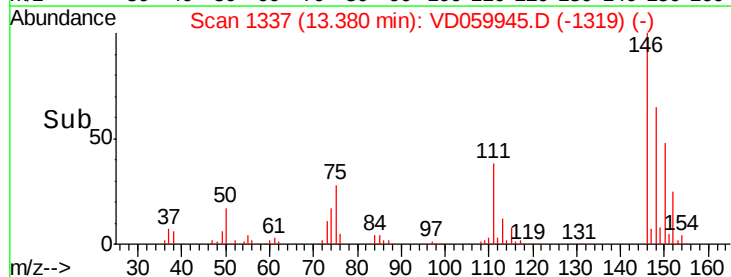
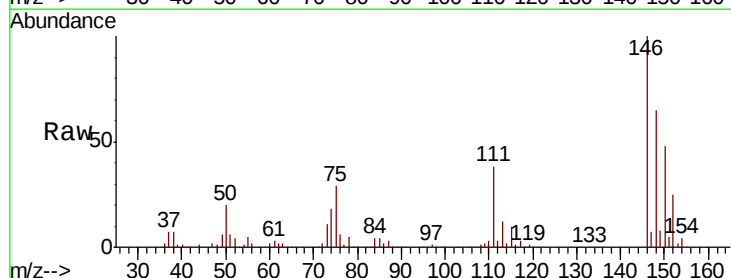
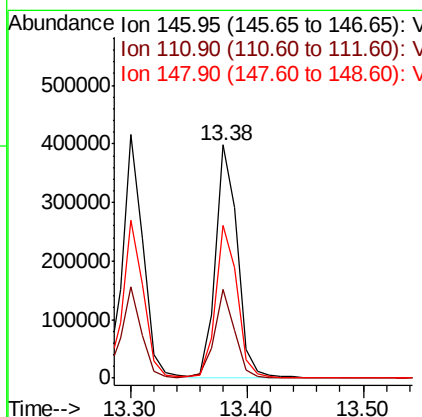
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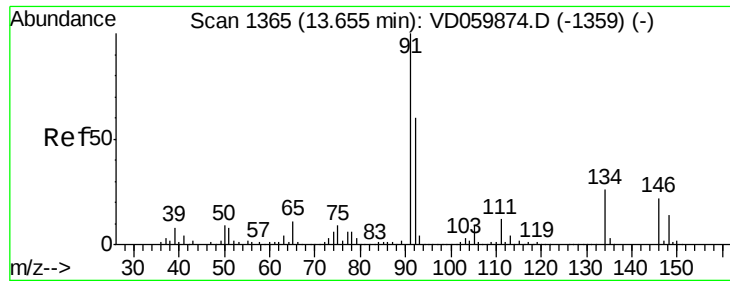
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#88
 1,4-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.5	52.6
148	65.4	32.5	97.5





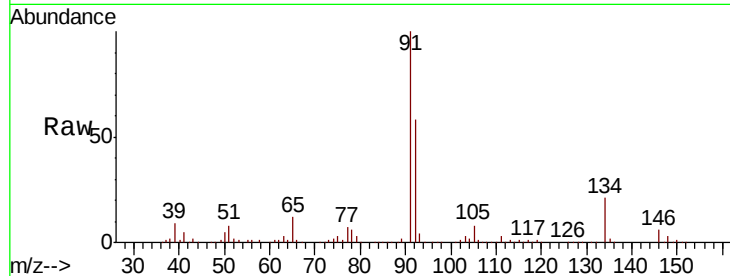
#89
n-Butylbenzene
Concen: 20.82 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

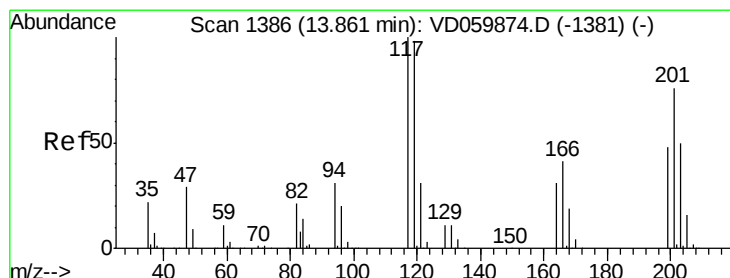
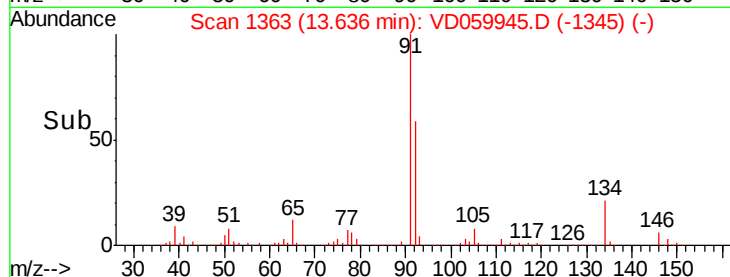
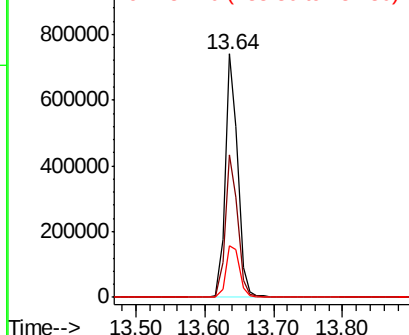
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	58.5	30.0	90.1	
134	21.0	12.8	38.4	

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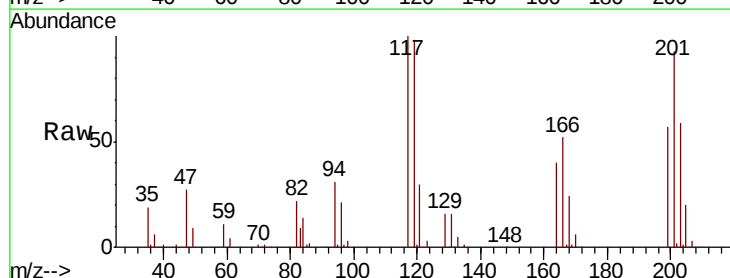


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

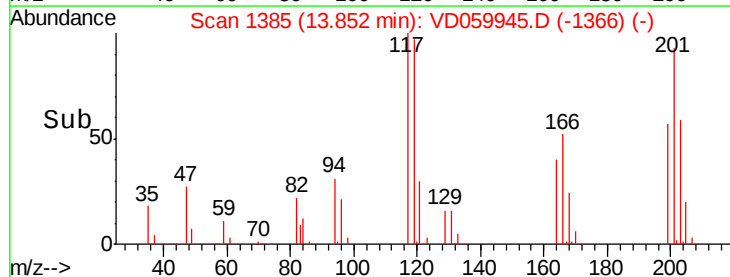
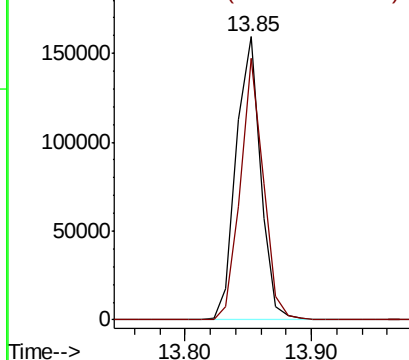


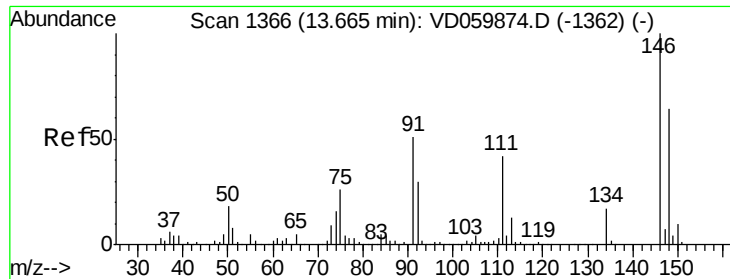
#90
Hexachloroethane
Concen: 19.05 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.6	38.1	114.5	



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





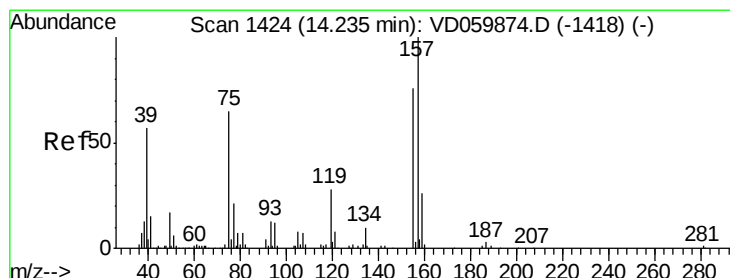
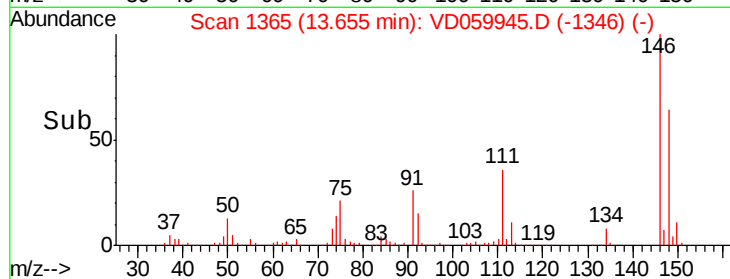
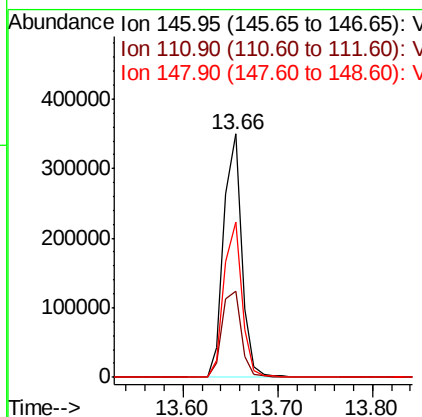
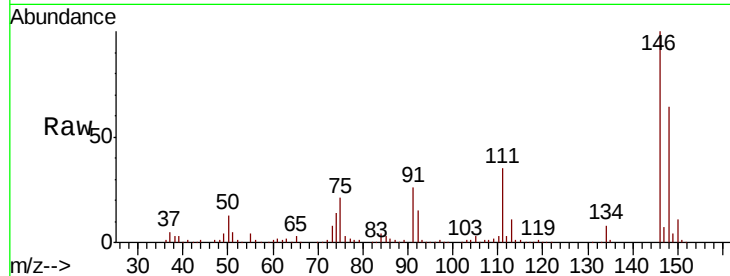
#91
 1,2-Dichlorobenzene
 Concen: 23.07 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	21.1	63.1
148	63.8	32.2	96.6

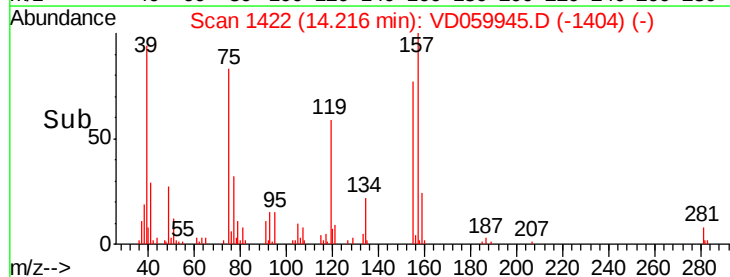
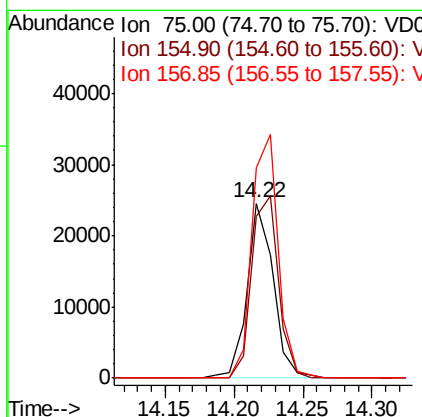
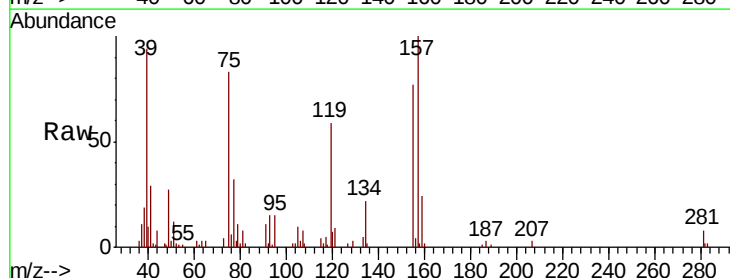
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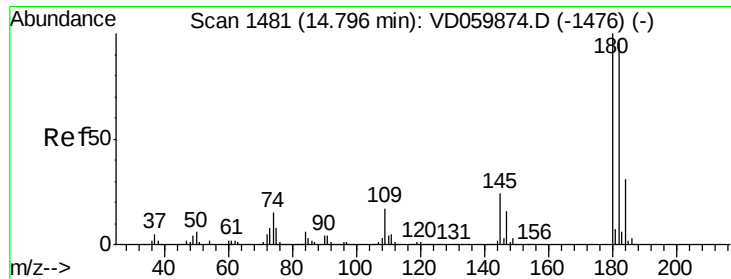
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.30 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	58.2	174.6
157	120.1	76.8	230.4





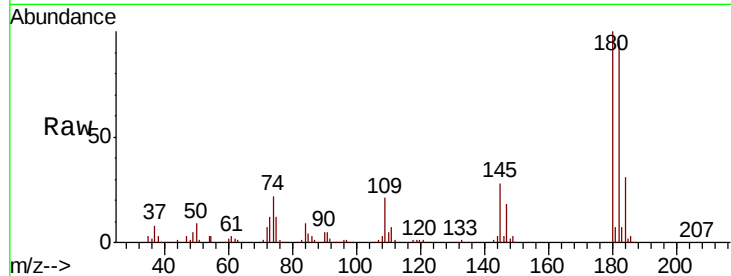
#93
1,2,4-Trichlorobenzene
Concen: 21.44 ug/l
RT: 14.78 min Scan# 1479
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	369153		
182	96.0	47.9	143.7	
145	28.2	12.2	36.4	

Manual Integrations
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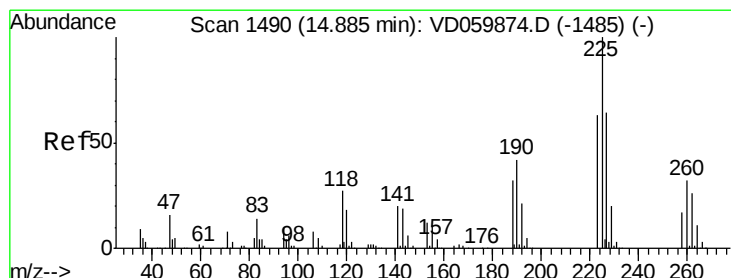
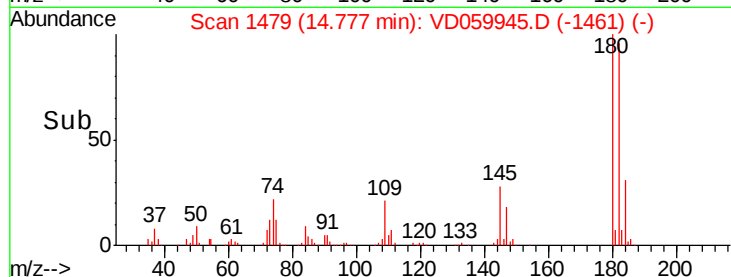
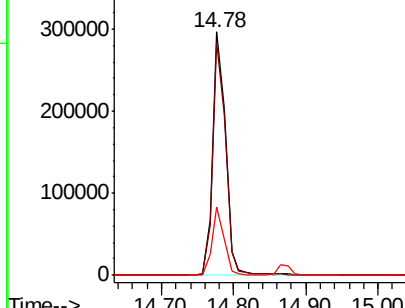


Abundance

Ion 179.85 (179.55 to 180.55): V

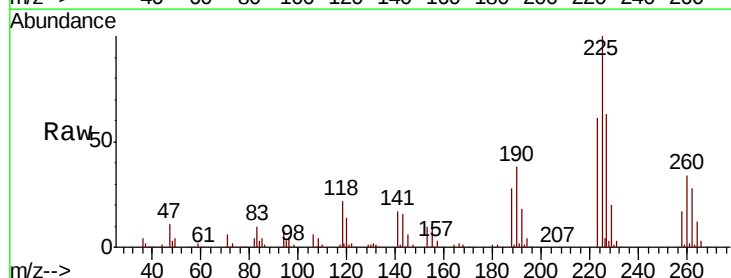
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
Hexachlorobutadiene
Concen: 22.15 ug/l
RT: 14.88 min Scan# 1489
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	250050		
223	60.9	31.6	94.8	
227	62.7	32.0	96.0	

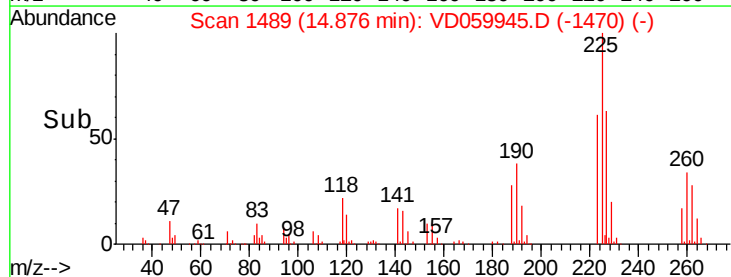
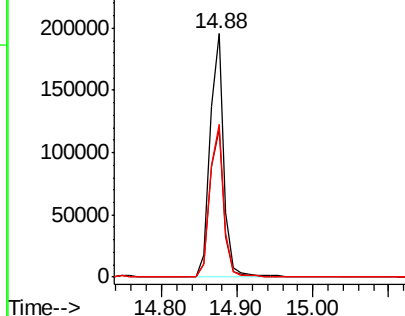


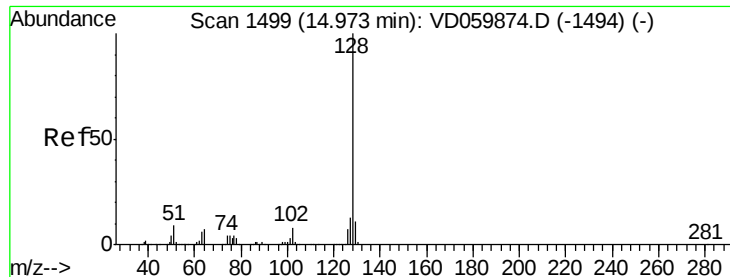
Abundance

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





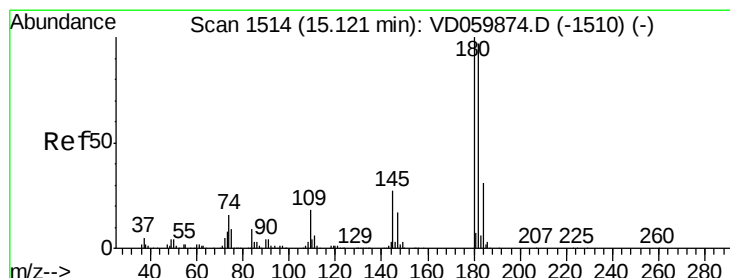
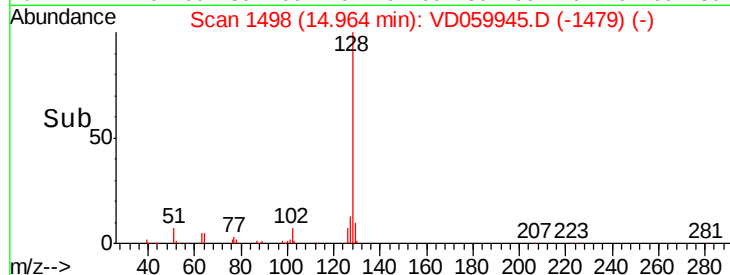
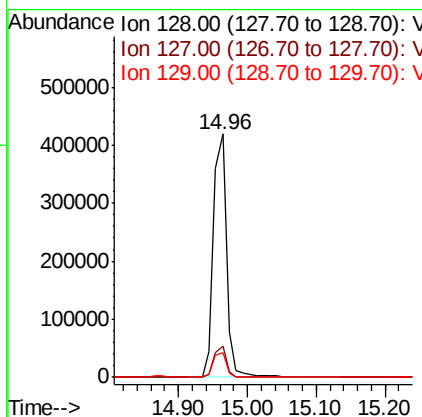
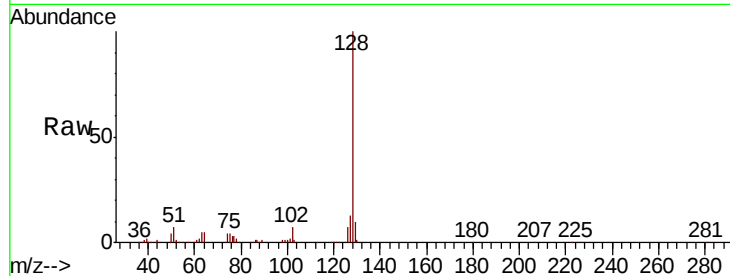
#95
Naphthalene
Concen: 21.29 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	560315		
127	12.6		10.0	15.0
129	10.4		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.76 ug/l
RT: 15.10 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	320520		
182	92.4		48.6	145.8
145	29.7		13.6	40.8

