

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062683.D
 Acq On : 12 Jun 2019 19:19
 Operator : VA/AP
 Sample : K3271-01RE
 Misc : 5.61g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B1

Quant Time: Jun 13 07:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	800411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1047686	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	912477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	497589	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	391799	33.92	ug/l	-0.02
Spiked Amount			Recovery	=	67.84%	
35) Dibromofluoromethane	6.91	113	426615	38.61	ug/l	0.00
Spiked Amount			Recovery	=	77.22%	
50) Toluene-d8	10.40	98	815125	35.07	ug/l	-0.02
Spiked Amount			Recovery	=	70.14%	
62) 4-Bromofluorobenzene	13.55	95	394343	36.37	ug/l	0.00
Spiked Amount			Recovery	=	72.74%	

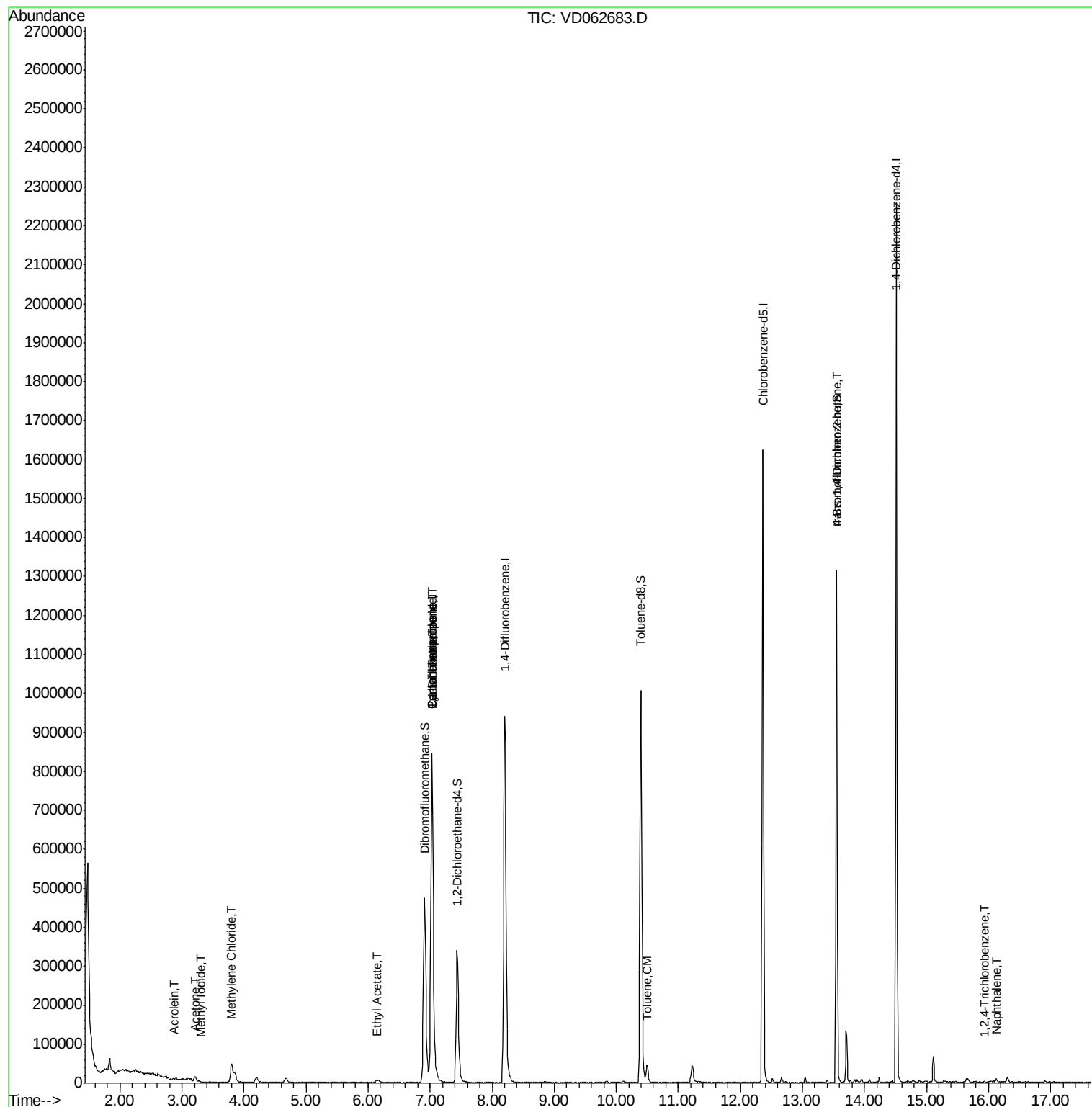
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.30	142	341	4.031	ug/l #	24
13) Acrolein	2.89	56	275	1.801	ug/l #	9
16) Acetone	3.21	43	31728	15.002	ug/l	96
20) Methylene Chloride	3.79	84	28254	3.122	ug/l #	83
31) Cyclohexane	7.02	56	17661	1.938	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	62014	5.172	ug/l #	54
37) Ethyl Acetate	6.14	43	180	1.235	ug/l #	74
38) Carbon Tetrachloride	7.03	117	80511	4.248	ug/l #	17
52) Toluene	10.50	92	23639	1.502	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	187415	90.268	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	405	3.597	ug/l #	44
95) Naphthalene	16.13	128	6932	3.807	ug/l #	94

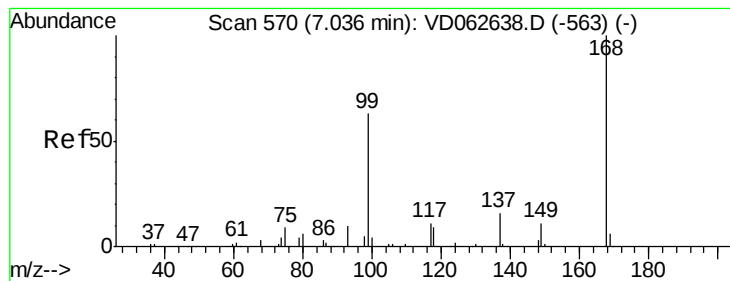
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 12 Jun 2019 19:19
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

Instrument :

MSVOA_D

ClientSampleId :

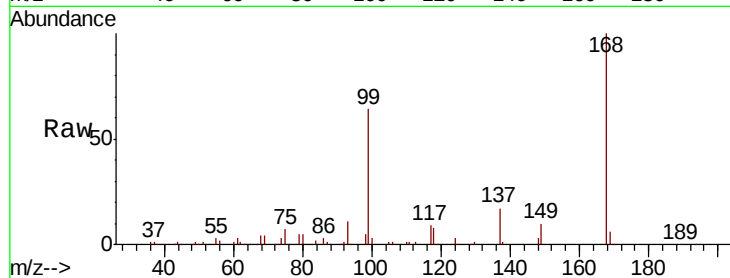
BAT-B1

Tot Ion:168 Resp: 800411

Ion Ratio Lower Upper

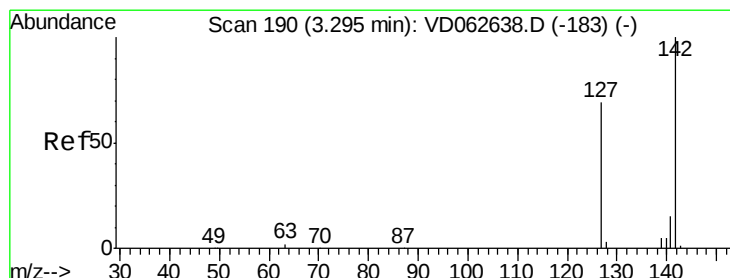
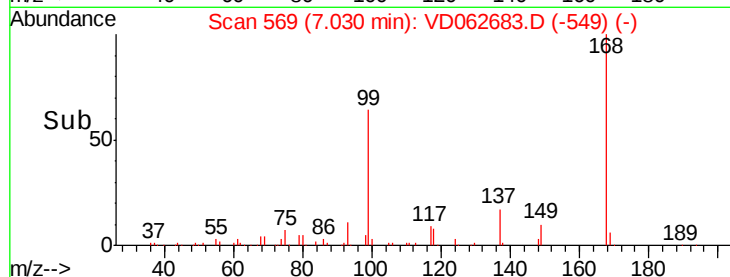
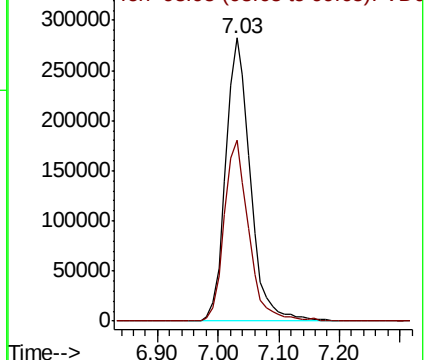
168 100

99 63.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 4.031 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

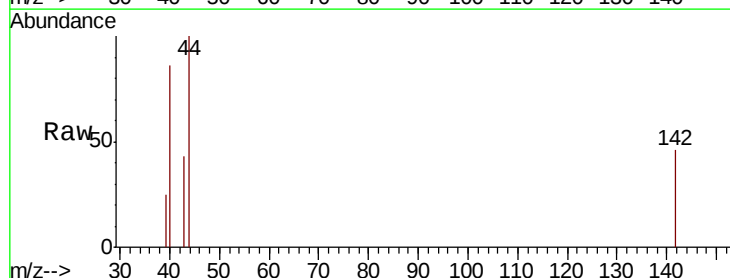
Tgt Ion:142 Resp: 341

Ion Ratio Lower Upper

142 100

127 0.0 55.2 82.8#

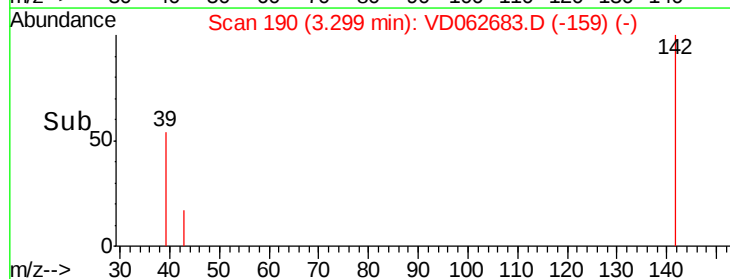
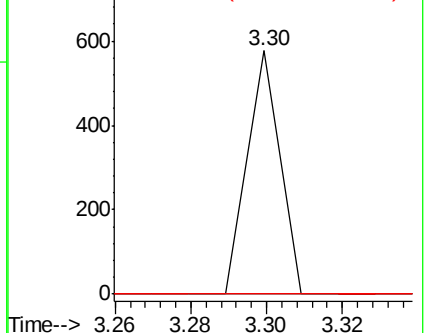
141 0.0 12.1 18.1#

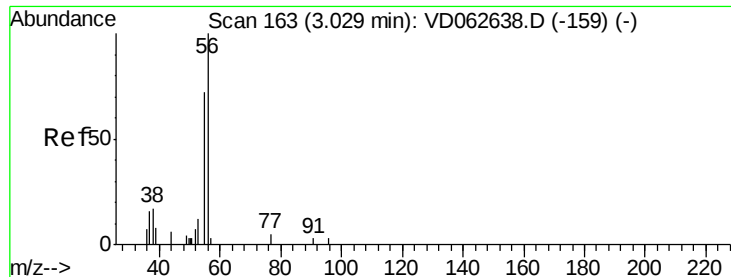


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#13

Acrolein

Concen: 1.801 ug/l

RT: 2.89 min Scan# 148

Delta R.T. -0.14 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

Instrument :

MSVOA_D

ClientSampleId :

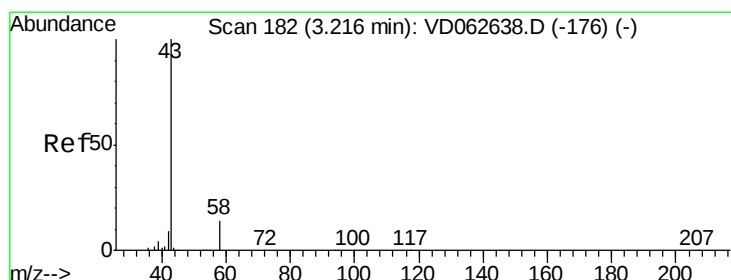
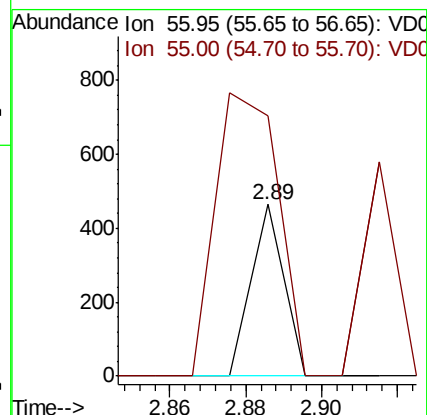
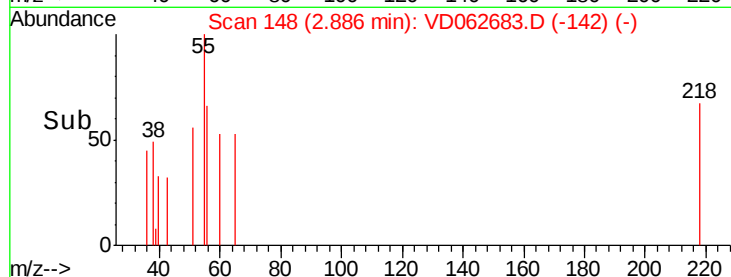
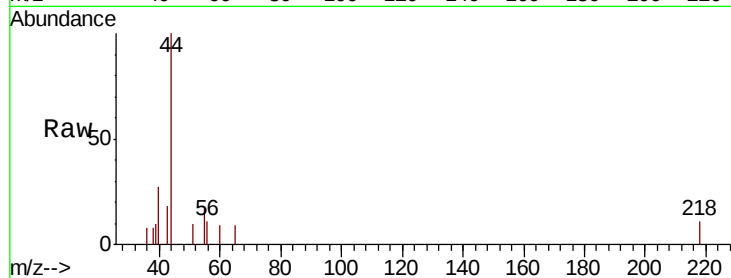
BAT-B1

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 151.6 59.4 89.0#



#16

Acetone

Concen: 15.002 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062683.D

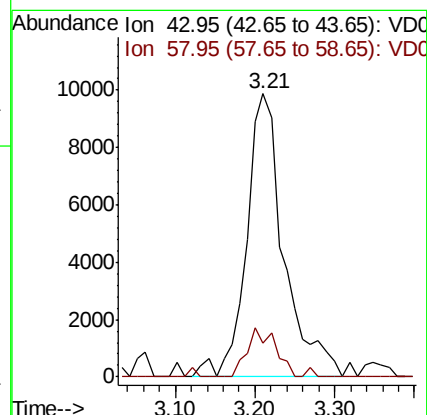
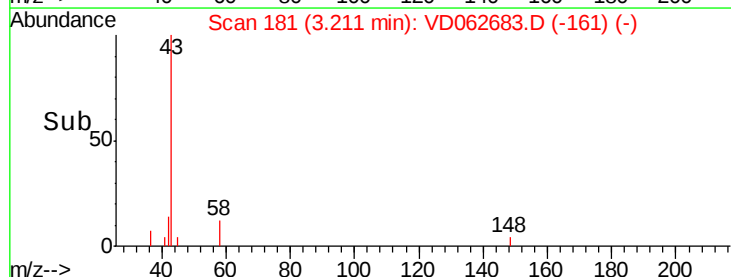
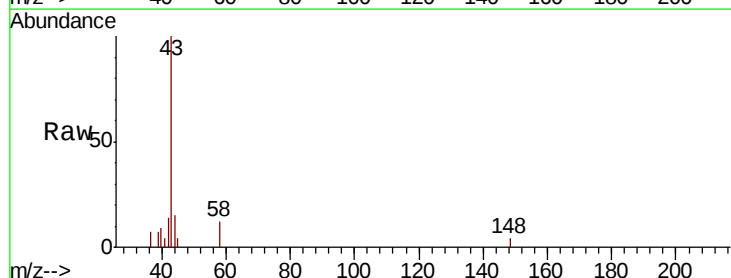
Acq: 12 Jun 2019 19:19

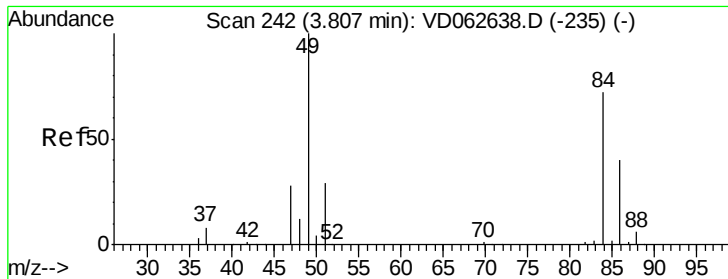
Tgt Ion: 43 Resp: 31728

Ion Ratio Lower Upper

43 100

58 12.1 10.8 16.2

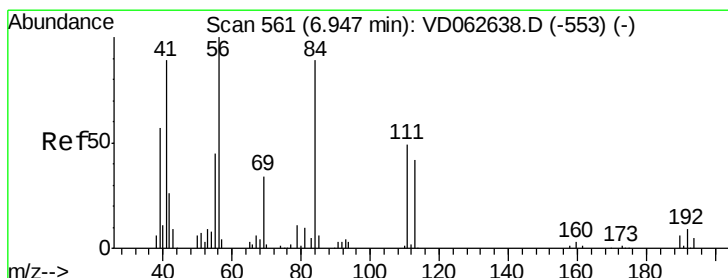
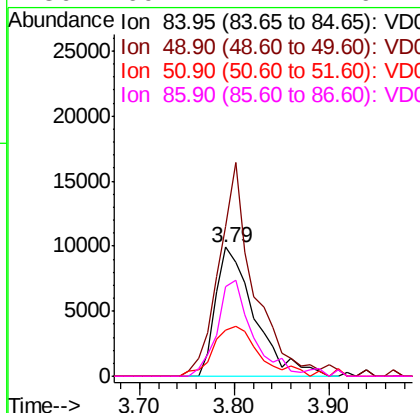
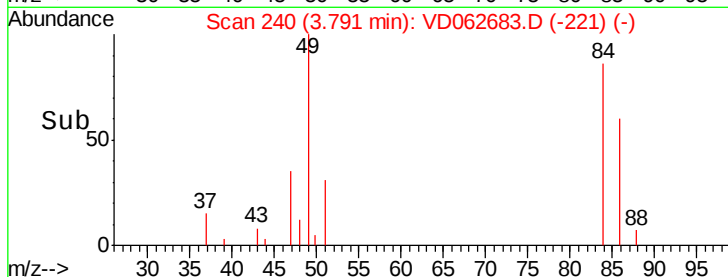
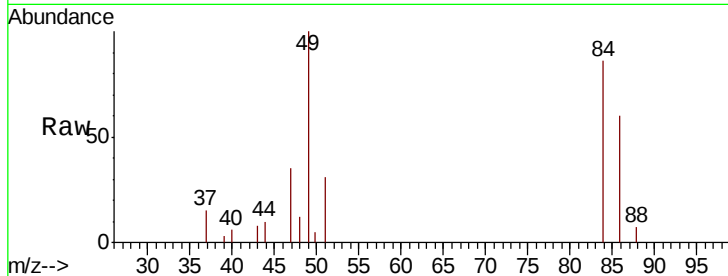




#20
Methylene Chloride
Concen: 3.122 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

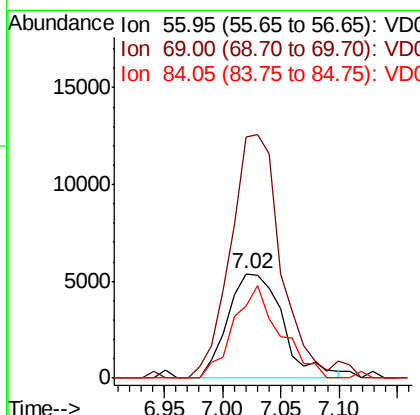
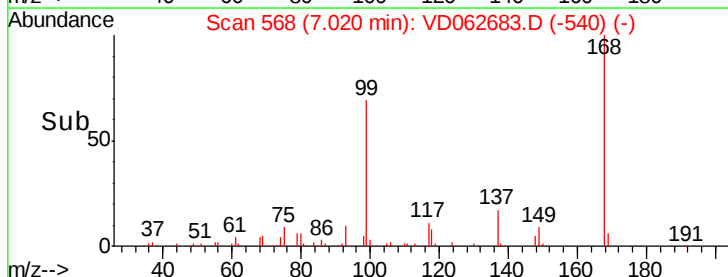
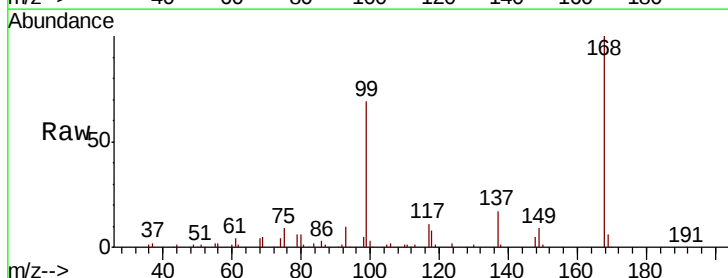
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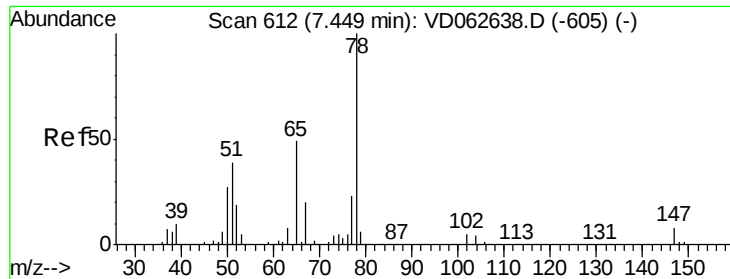
Tot Ion: 84 Resp: 28254
Ion Ratio Lower Upper
84 100
49 115.8 111.2 166.8
51 36.0 31.9 47.9
86 69.1 44.7 67.1#



#31
Cyclohexane
Concen: 1.938 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.07 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

Tgt Ion: 56 Resp: 17661
Ion Ratio Lower Upper
56 100
69 230.5 26.8 40.2#
84 69.4 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 33.922 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

Instrument :

MSVOA_D

ClientSampleId :

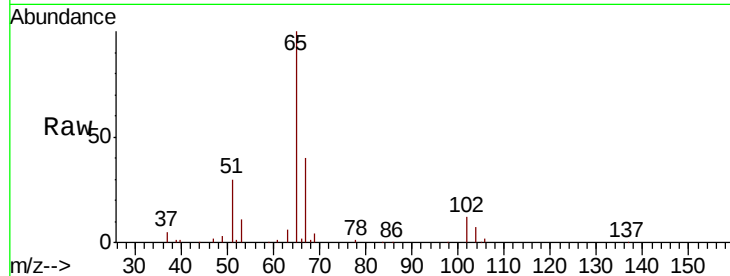
BAT-B1

Tot Ion: 65 Resp: 391799

Ion Ratio Lower Upper

65 100

67 40.0 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

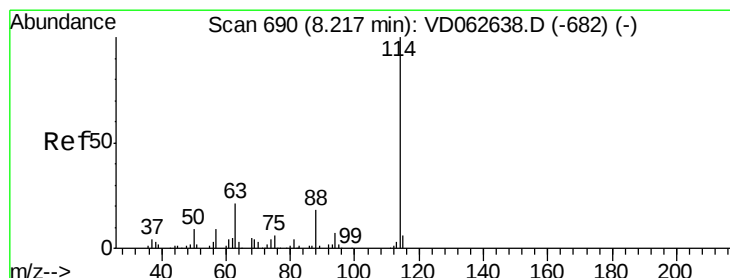
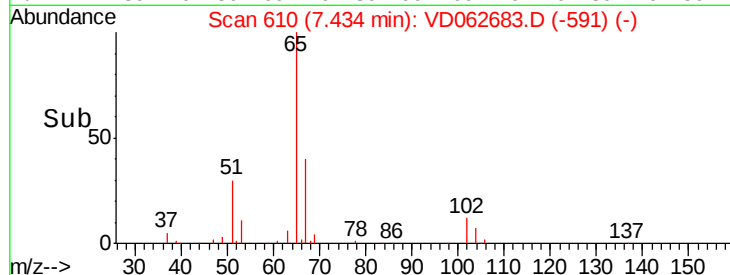
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

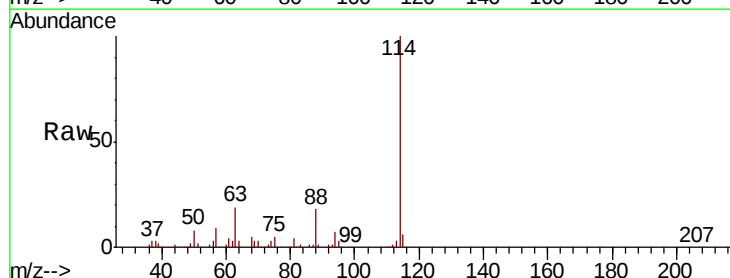
Tgt Ion: 114 Resp: 1047686

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 17.9 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

500000

400000

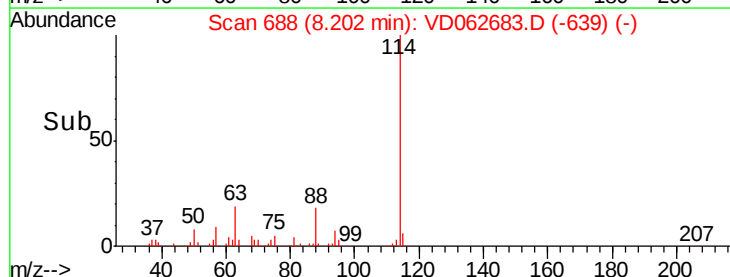
300000

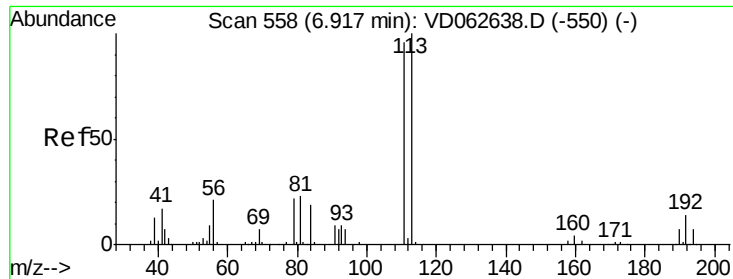
200000

100000

0

Time-->

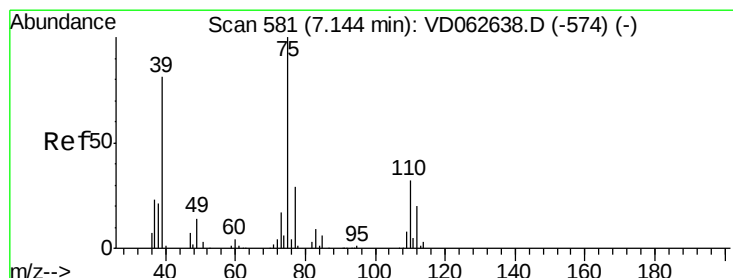
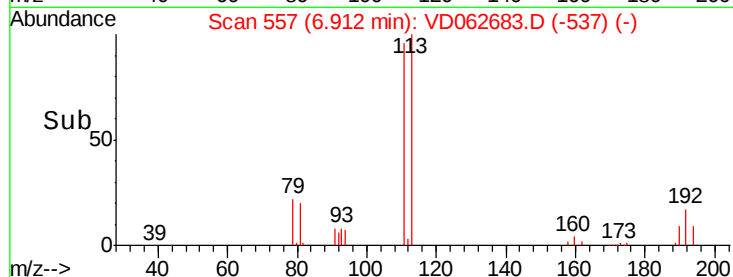
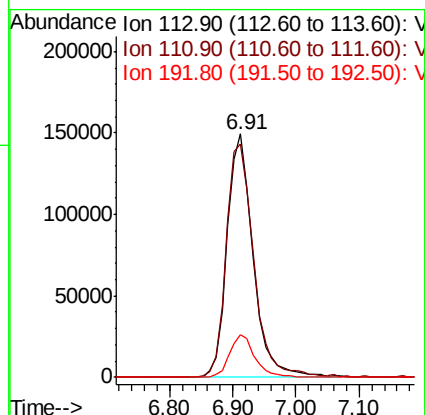
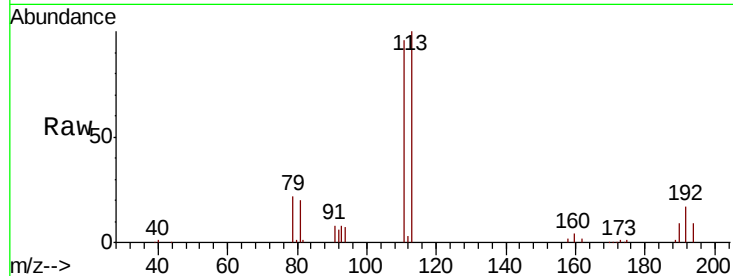




#35
 Dibromofluoromethane
 Concen: 38.610 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062683.D
 Acq: 12 Jun 2019 19:19

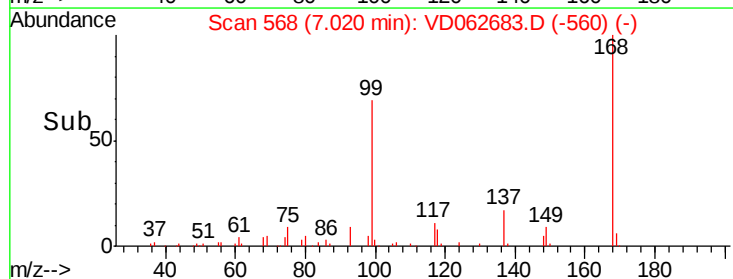
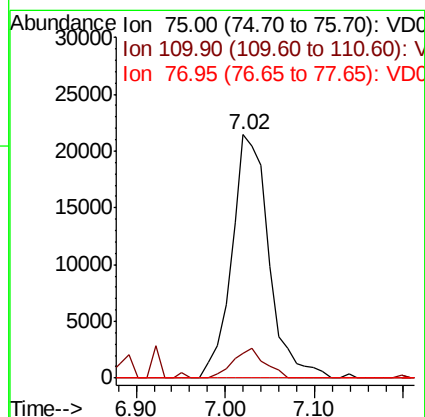
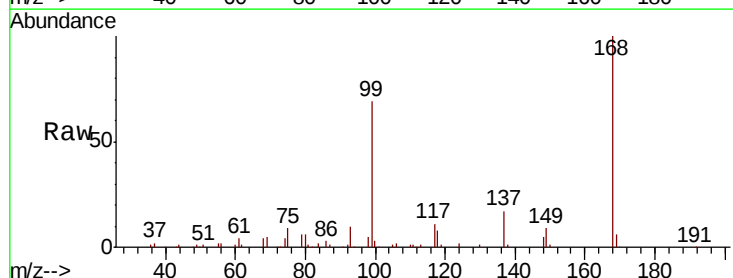
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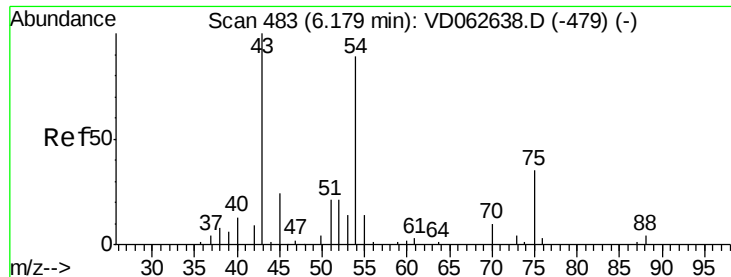
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.8	76.4	114.6
192	17.4	11.4	17.0#



#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.12 min
 Lab File: VD062683.D
 Acq: 12 Jun 2019 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	15.9	47.7#
77	0.0	23.3	34.9#

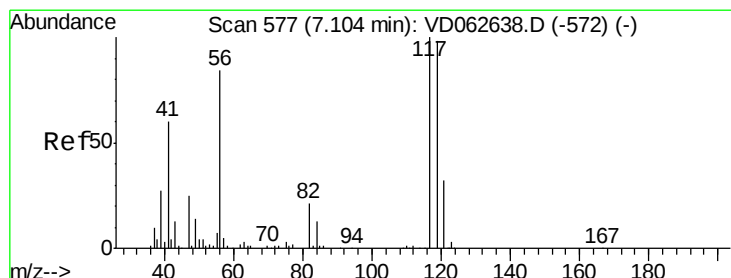
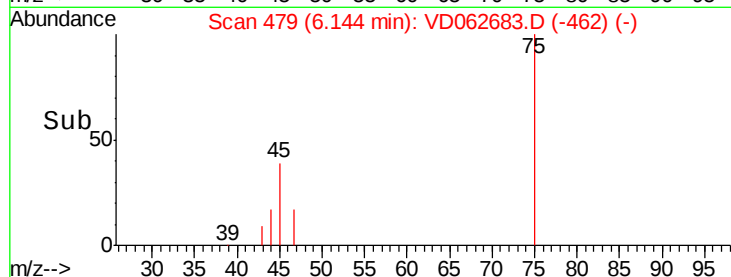
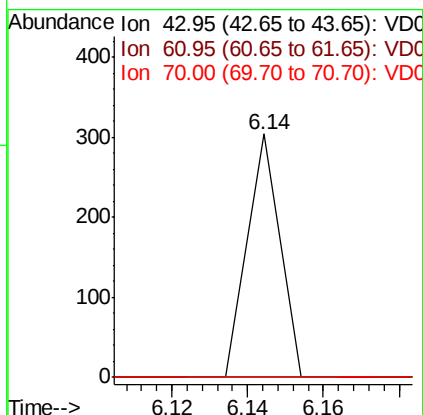
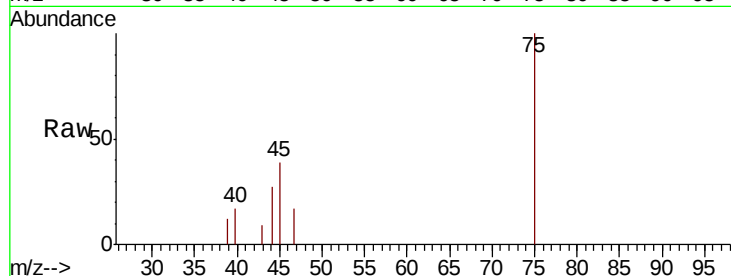




#37
Ethyl Acetate
Concen: 1.235 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.03 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

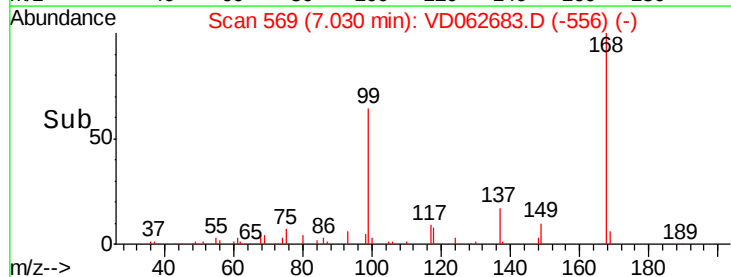
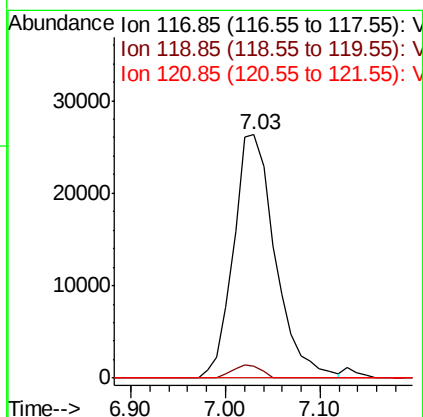
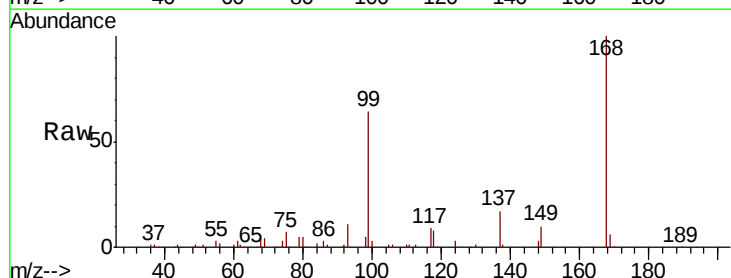
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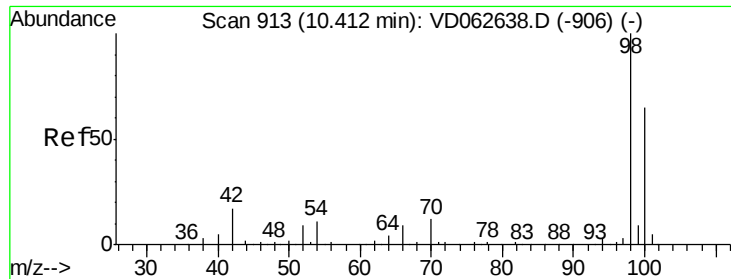
Tot Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 4.248 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

Tgt Ion: 117 Resp: 80511
Ion Ratio Lower Upper
117 100
119 4.8 73.5 110.3#
121 0.0 24.2 36.4#

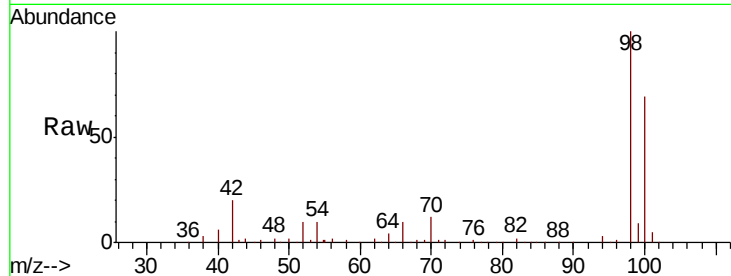




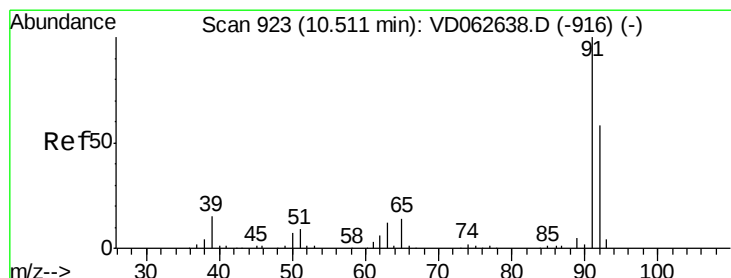
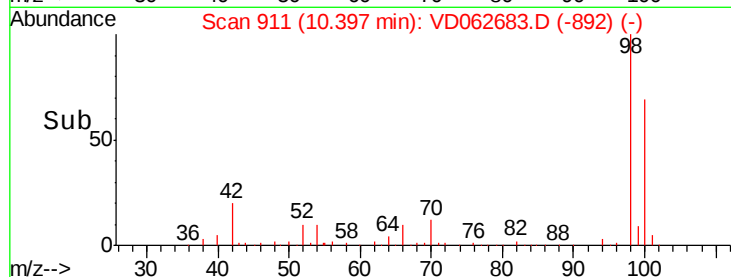
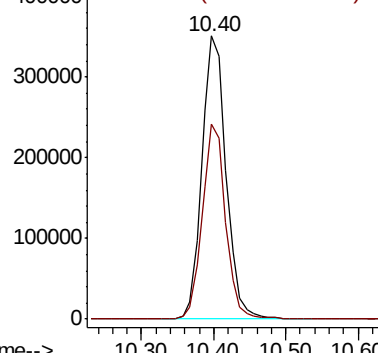
#50
Toluene-d8
Concen: 35.069 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

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ClientSampleId :
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Tot Ion: 98 Resp: 815125
Ion Ratio Lower Upper
98 100
100 69.0 52.1 78.1

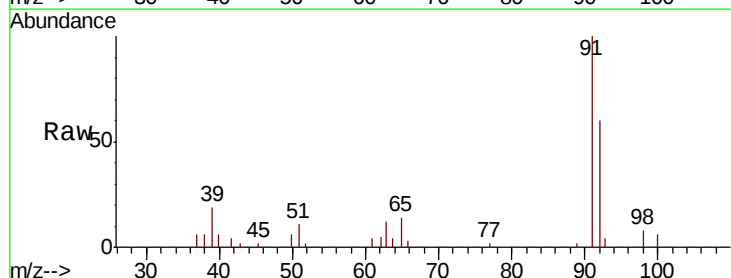


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

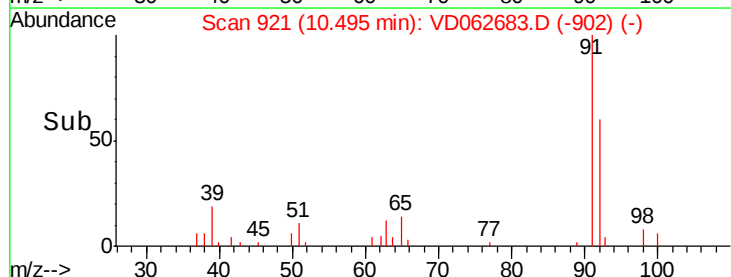
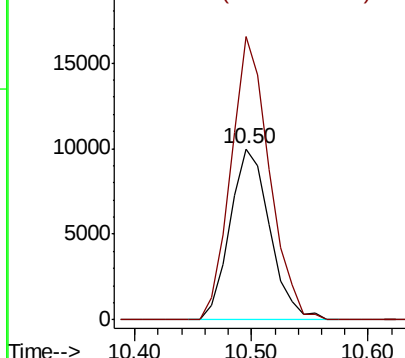


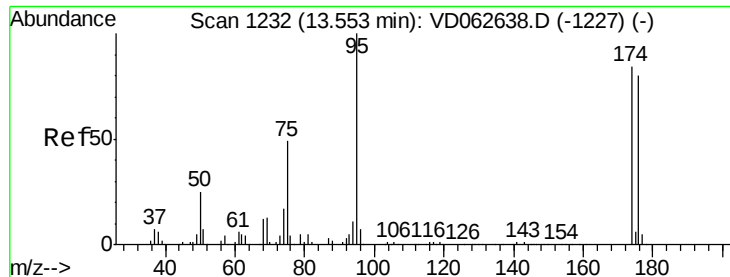
#52
Toluene
Concen: 1.502 ug/l
RT: 10.50 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD062683.D
Acq: 12 Jun 2019 19:19

Tgt Ion: 92 Resp: 23639
Ion Ratio Lower Upper
92 100
91 165.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 36.365 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

Instrument :

MSVOA_D

ClientSampleId :

BAT-B1

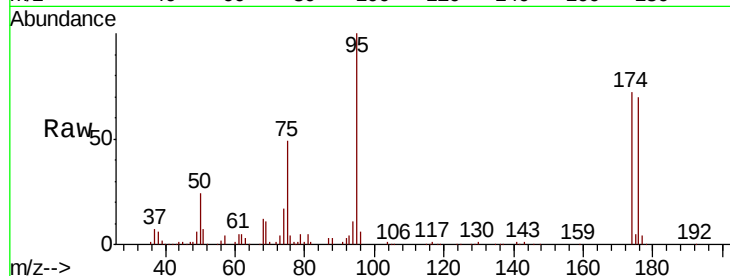
Tot Ion: 95 Resp: 394343

Ion Ratio Lower Upper

95 100

174 72.1 0.0 167.0

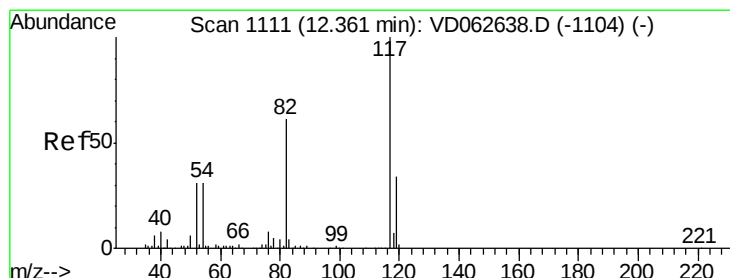
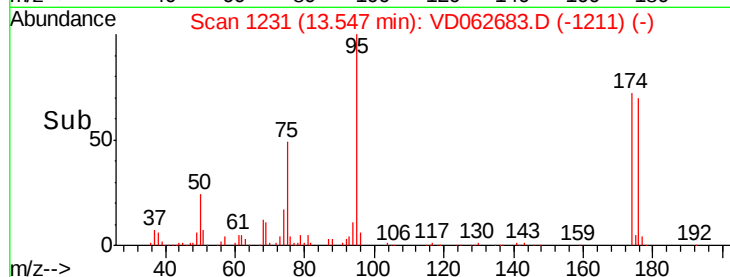
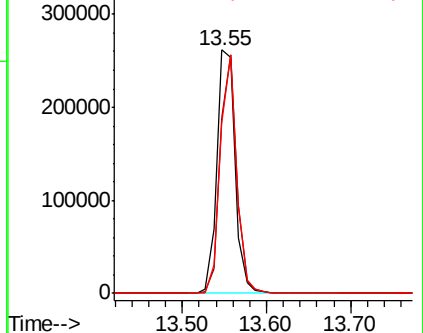
176 70.1 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

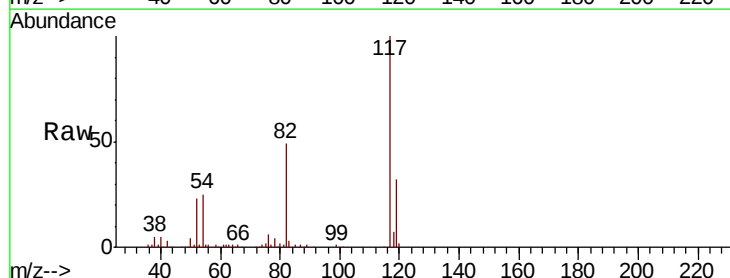
Tgt Ion: 117 Resp: 912477

Ion Ratio Lower Upper

117 100

82 49.4 48.7 73.1

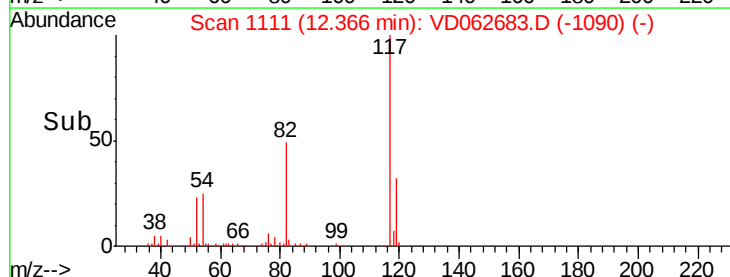
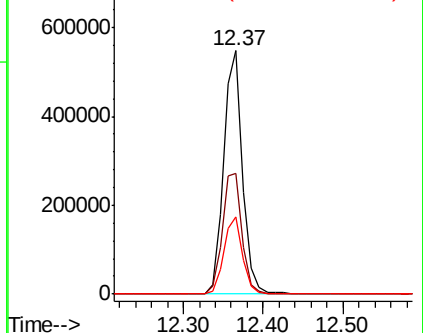
119 31.5 27.0 40.6

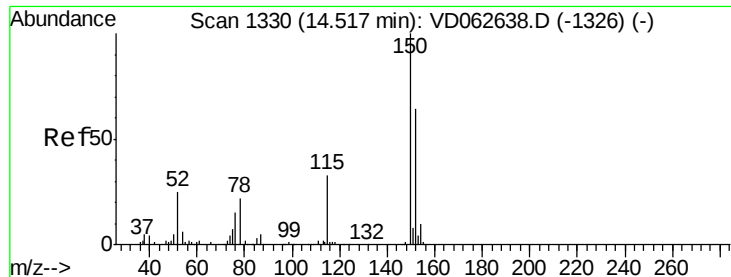


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

Instrument :

MSVOA_D

ClientSampleId :

BAT-B1

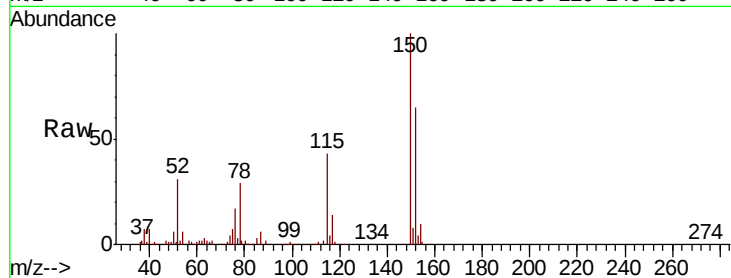
Tot Ion:152 Resp: 497589

Ion Ratio Lower Upper

152 100

115 66.0 30.1 90.5

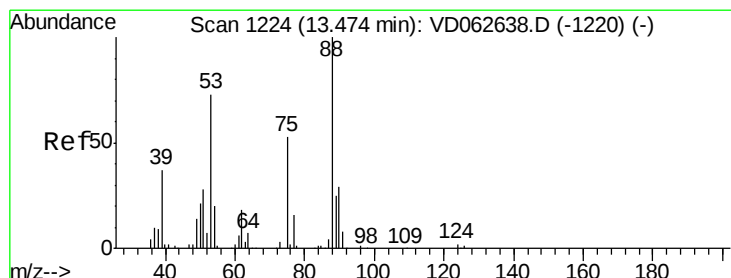
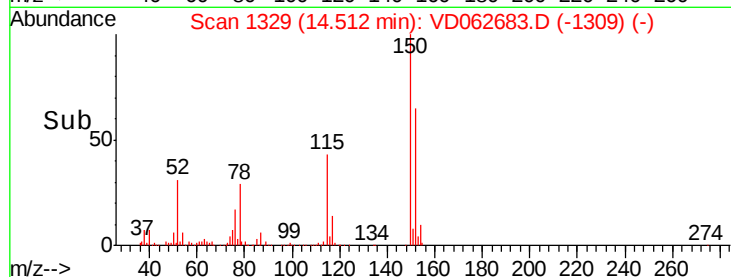
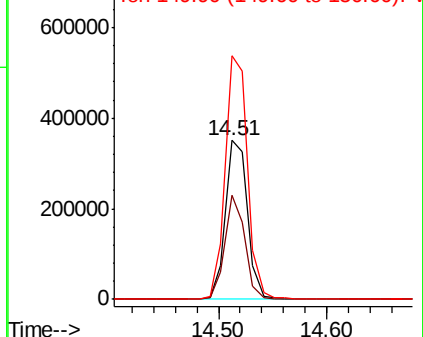
150 153.5 0.0 314.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 90.268 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062683.D

Acq: 12 Jun 2019 19:19

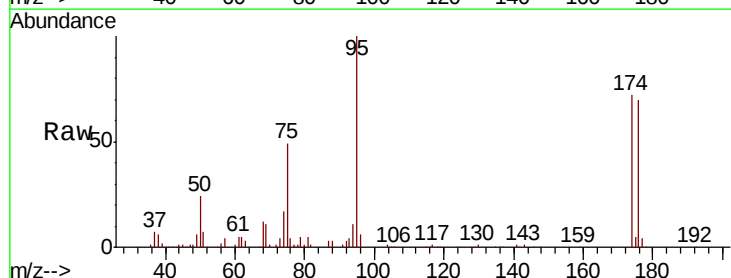
Tgt Ion: 75 Resp: 187415

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

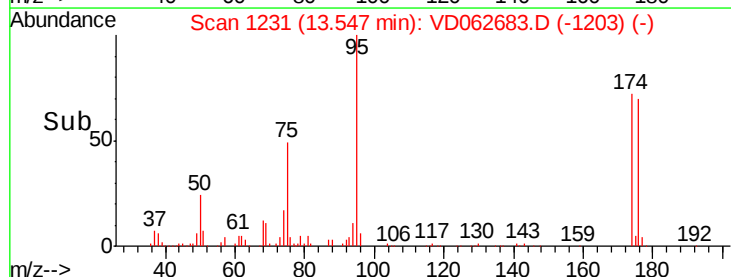
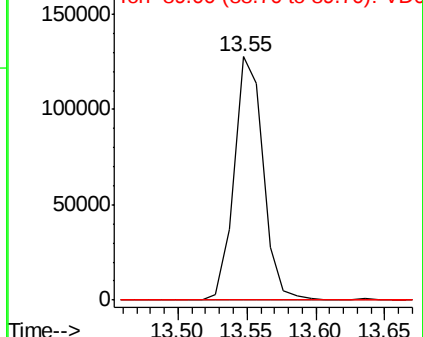
89 0.0 37.0 55.6#

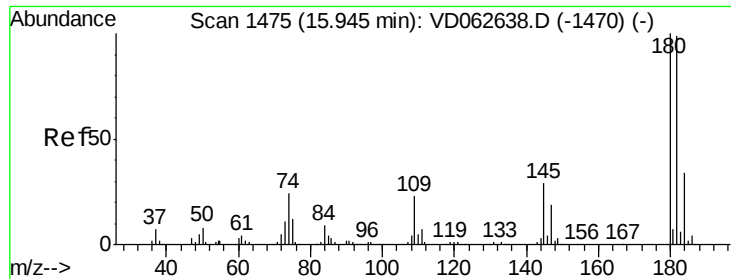


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

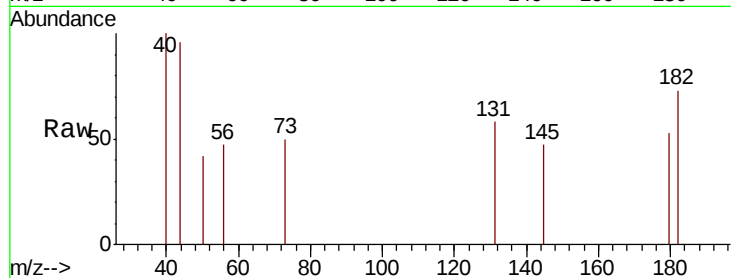




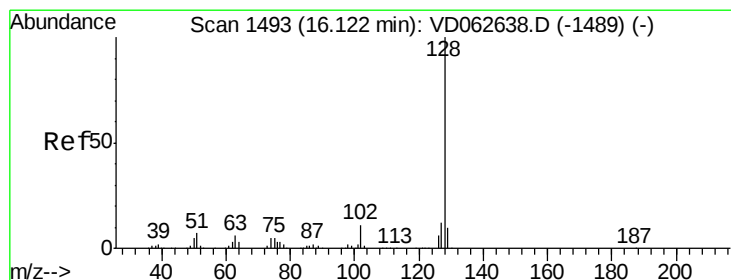
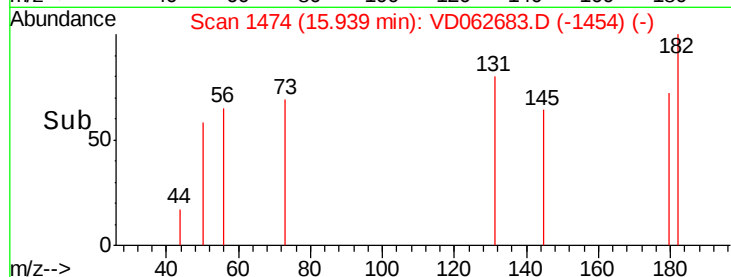
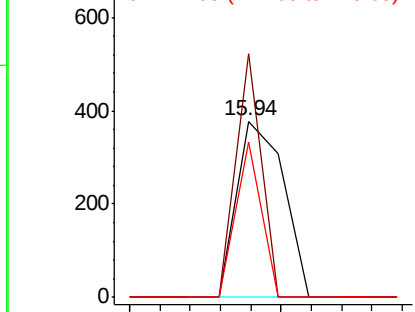
#93
 1,2,4-Trichlorobenzene
 Concen: 3.597 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062683.D
 Acq: 12 Jun 2019 19:19

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B1

Tot Ion:180 Resp: 405
 Ion Ratio Lower Upper
 180 100
 182 138.5 49.4 148.2
 145 88.6 14.5 43.6#

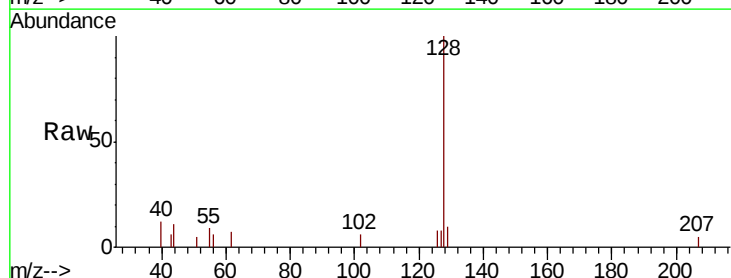


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.807 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062683.D
 Acq: 12 Jun 2019 19:19

Tgt Ion:128 Resp: 6932
 Ion Ratio Lower Upper
 128 100
 127 8.1 9.7 14.5#
 129 9.6 8.1 12.1



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

