

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062738.D
 Acq On : 17 Jun 2019 20:28
 Operator : VA/AP
 Sample : K3419-10
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-E

Quant Time: Jun 18 06:25:43 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	716045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1012150	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	810081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	447100	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	291344	28.20	ug/l	0.00
Spiked Amount			Recovery	=	56.40%	
35) Dibromofluoromethane	6.91	113	314034	29.42	ug/l	0.00
Spiked Amount			Recovery	=	58.84%	
50) Toluene-d8	10.40	98	593314	26.42	ug/l	0.00
Spiked Amount			Recovery	=	52.84%	
62) 4-Bromofluorobenzene	13.55	95	307034	29.31	ug/l	0.00
Spiked Amount			Recovery	=	58.62%	

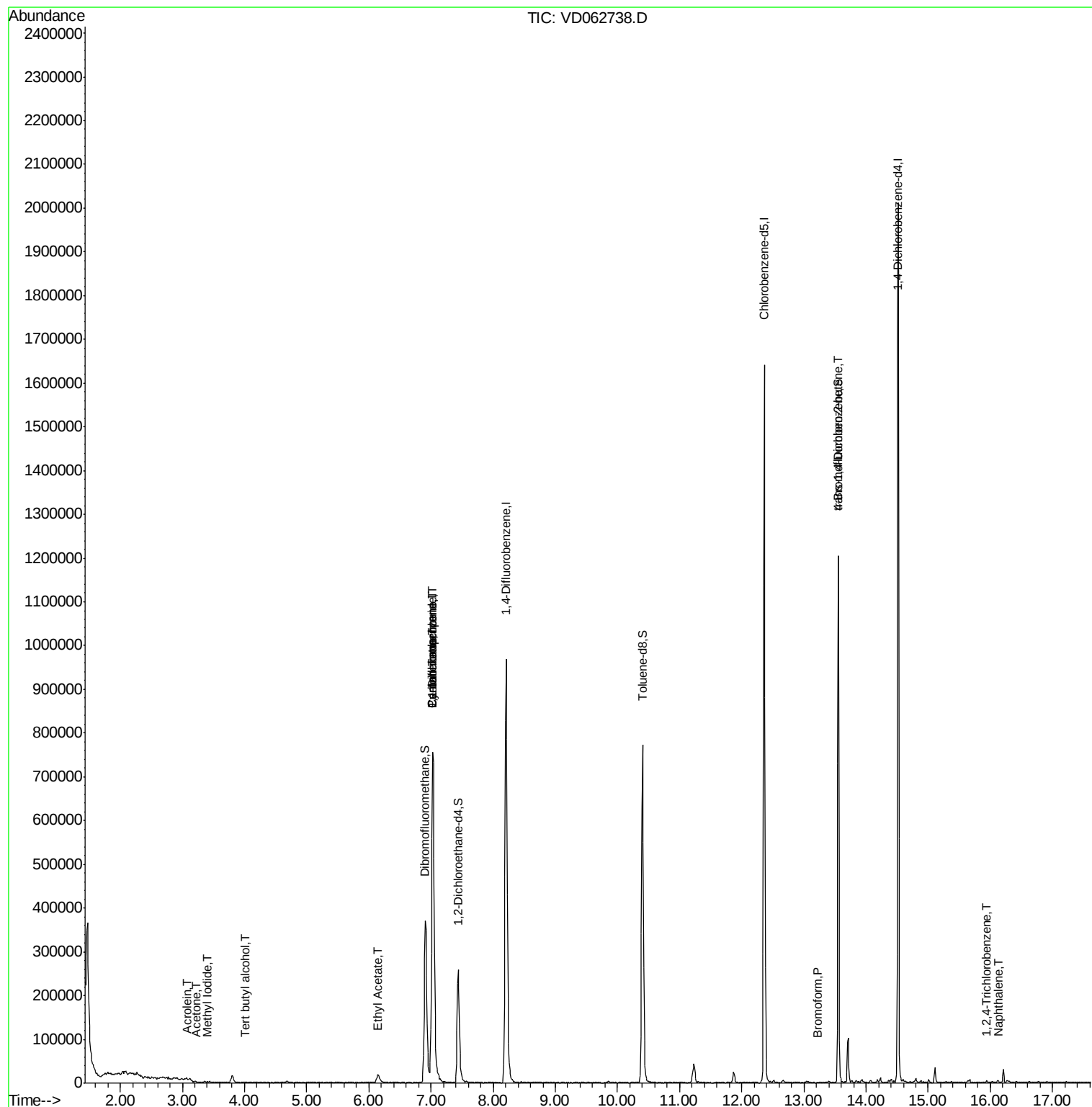
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	619	Below Cal	#	42
10) Methyl Iodide	3.40	142	217	4.024	ug/l #	24
11) Tert butyl alcohol	4.01	59	493	1.161	ug/l #	61
13) Acrolein	3.07	56	276	2.020	ug/l #	66
16) Acetone	3.24	43	2856	1.509	ug/l #	66
31) Cyclohexane	7.04	56	17892	2.194	ug/l #	16
36) 1,1-Dichloropropene	7.04	75	59204	5.111	ug/l #	56
37) Ethyl Acetate	6.15	43	2156	1.627	ug/l #	14
38) Carbon Tetrachloride	7.03	117	75753	4.137	ug/l #	19
71) Bromoform	13.23	173	194	2.859	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.55	75	146777	79.178	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1288	3.672	ug/l #	51
95) Naphthalene	16.12	128	3878	3.672	ug/l #	87

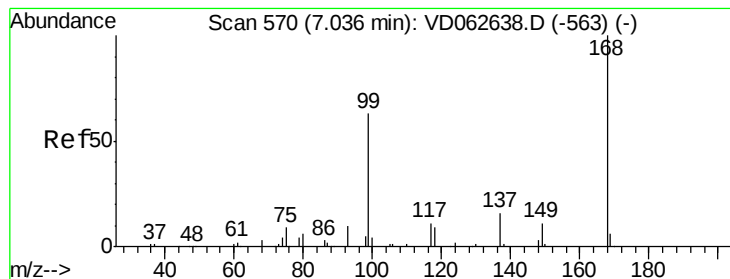
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

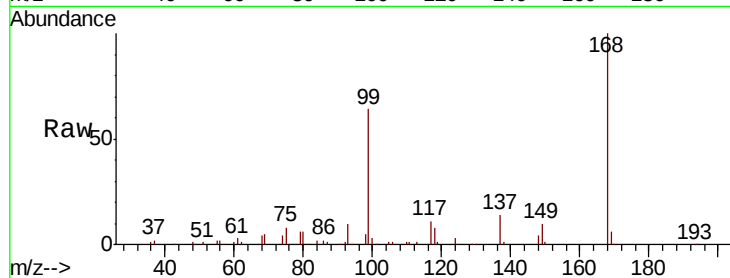
TP-E

Tot Ion:168 Resp: 716045

Ion Ratio Lower Upper

168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

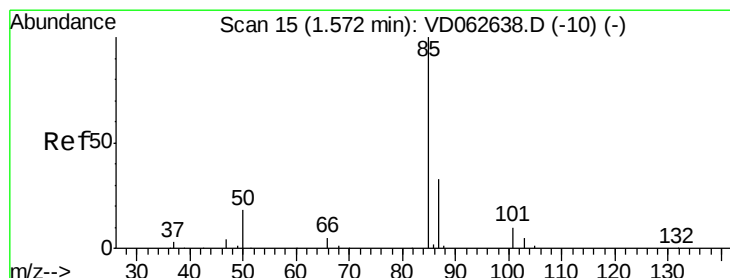
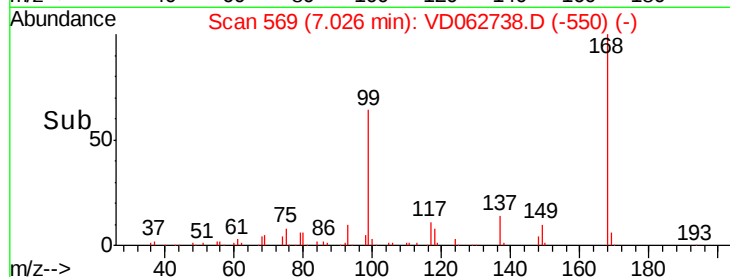
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062738.D

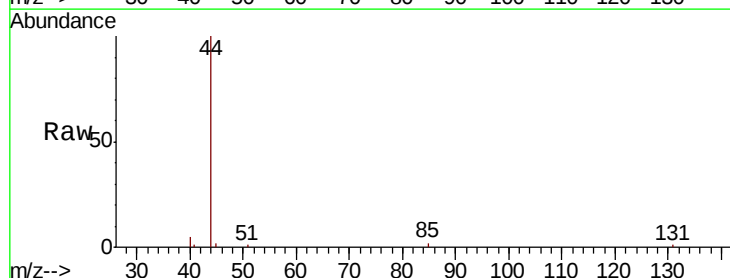
Acq: 17 Jun 2019 20:28

Tgt Ion: 85 Resp: 619

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

800

600

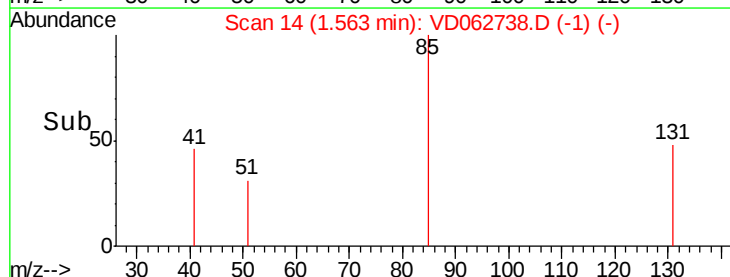
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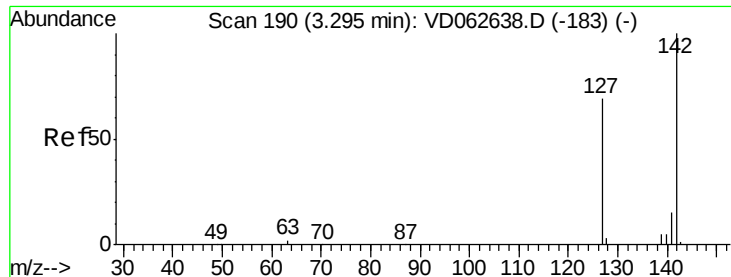
200

0

1.52 1.54 1.56 1.58 1.60

Time-->

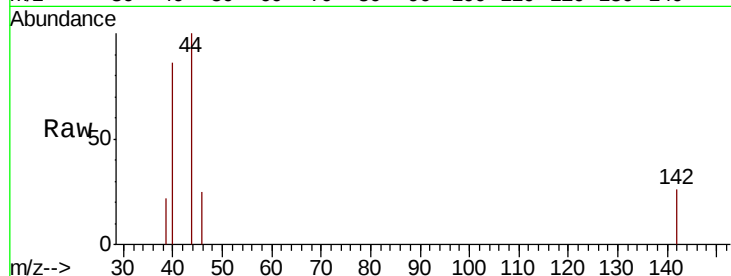




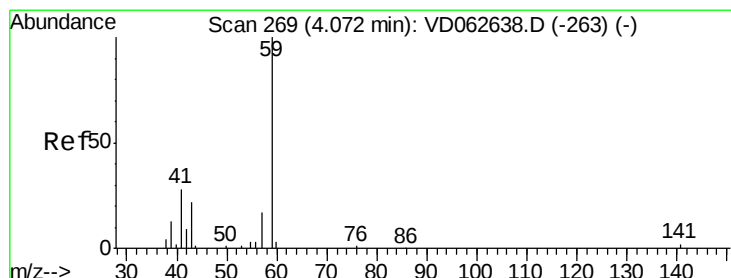
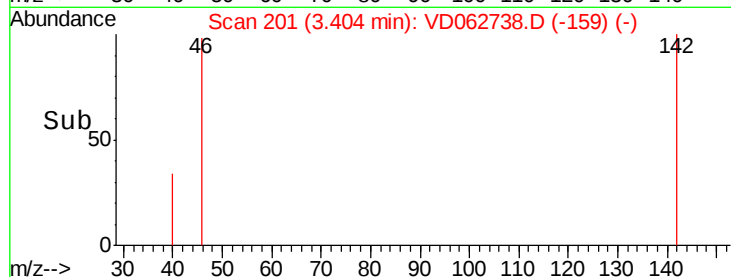
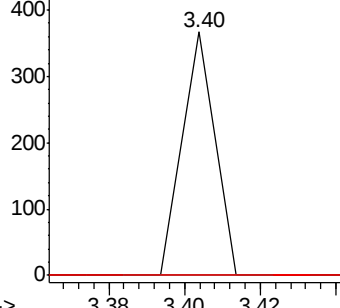
#10
Methvl Iodide
Concen: 4.024 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.11 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :
TP-E

Tot Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

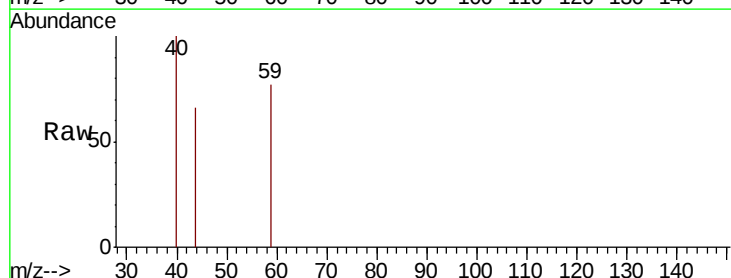


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

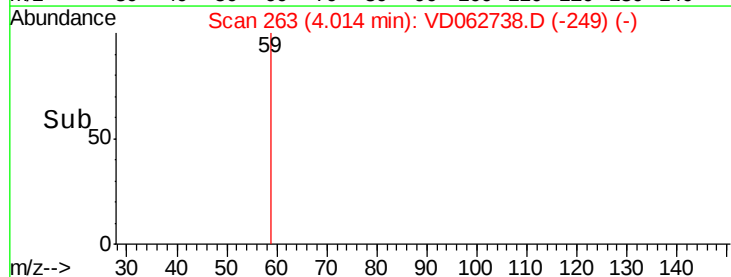
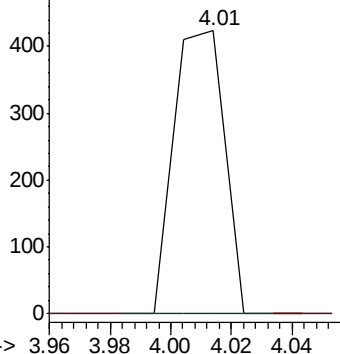


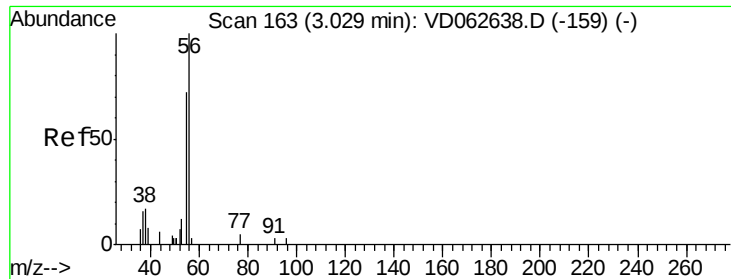
#11
Tert butyl alcohol
Concen: 1.161 ug/l
RT: 4.01 min Scan# 263
Delta R.T. -0.06 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#13

Acrolein

Concen: 2.020 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.04 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

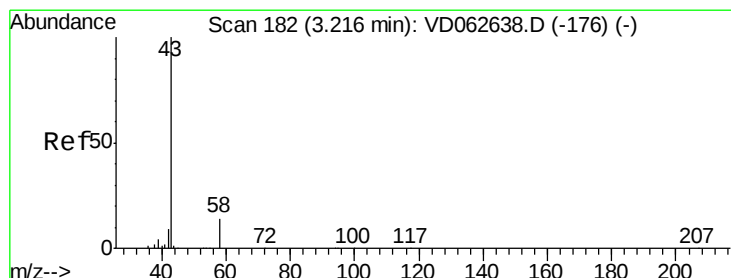
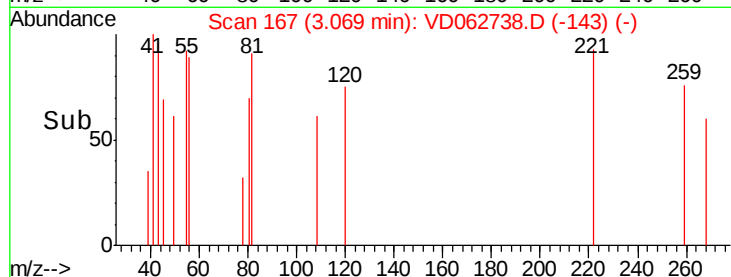
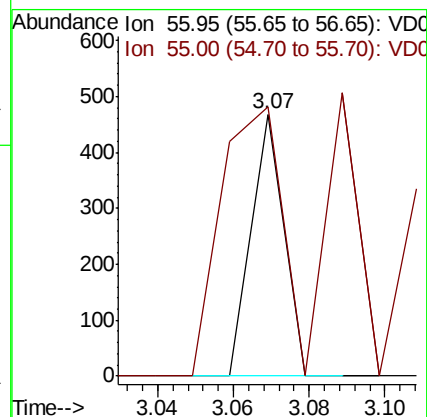
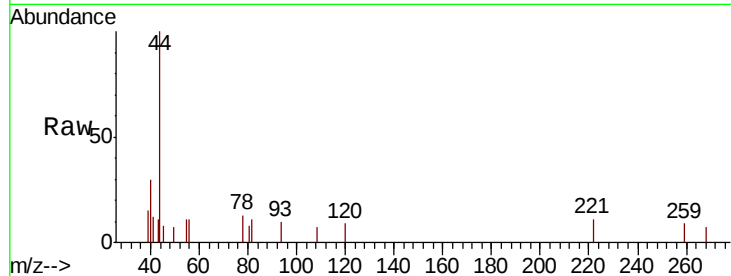
TP-E

Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

56 100

55 102.8 59.4 89.0#



#16

Acetone

Concen: 1.509 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062738.D

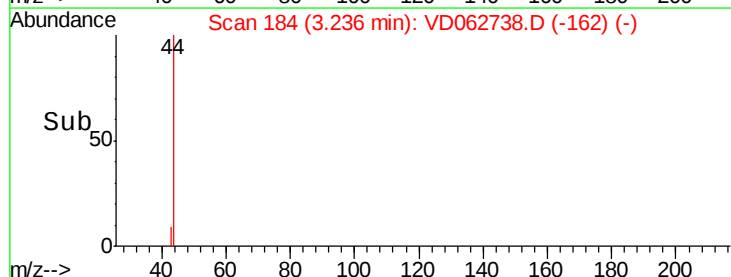
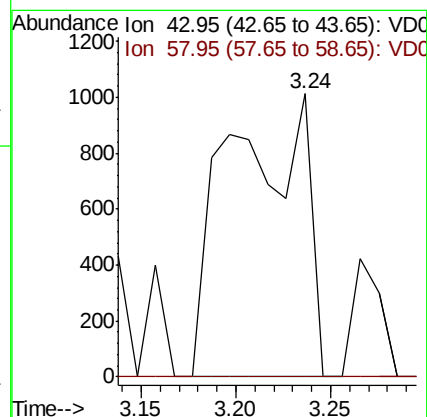
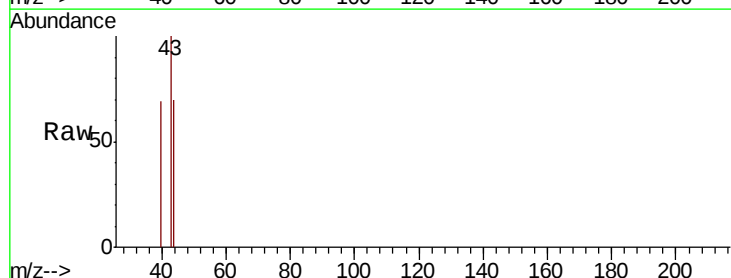
Acq: 17 Jun 2019 20:28

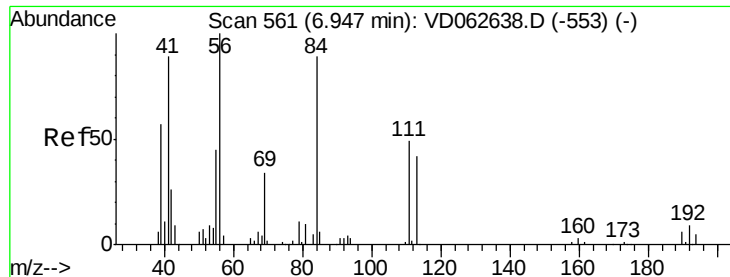
Tgt Ion: 43 Resp: 2856

Ion Ratio Lower Upper

43 100

58 0.0 10.8 16.2#

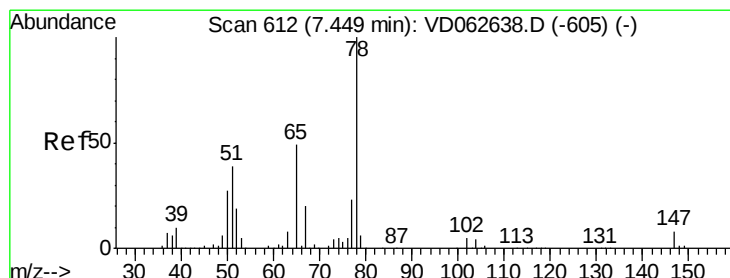
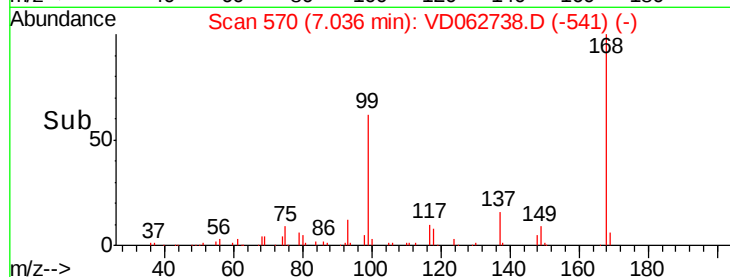
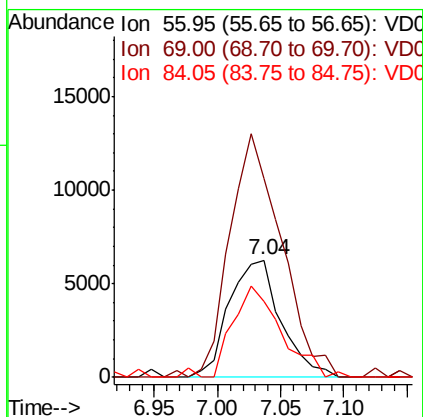
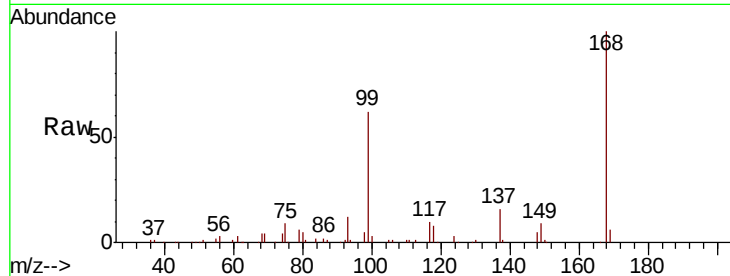




#31
Cyclohexane
Concen: 2.194 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

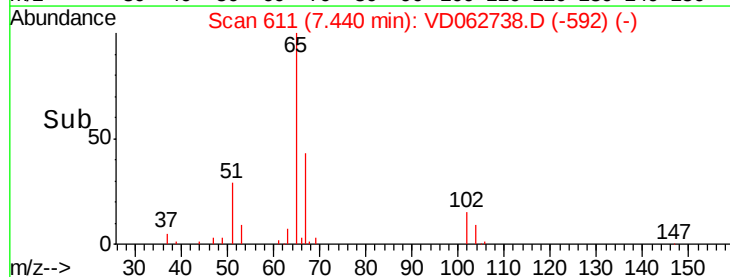
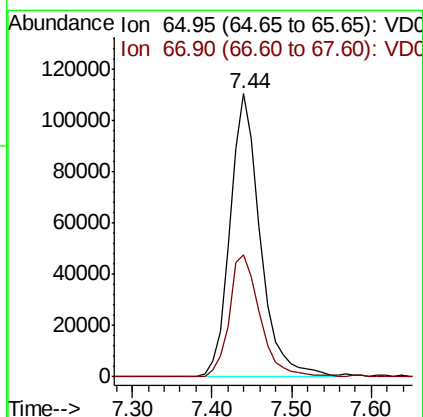
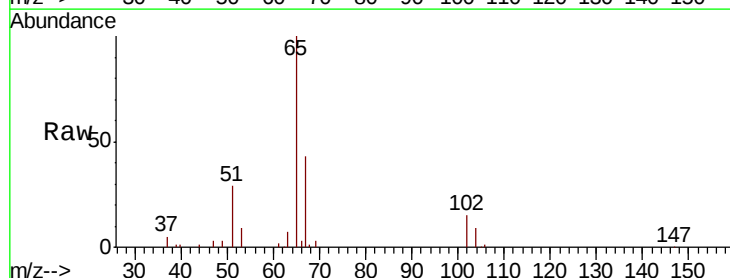
Instrument :
MSVOA_D
ClientSampleId :
TP-E

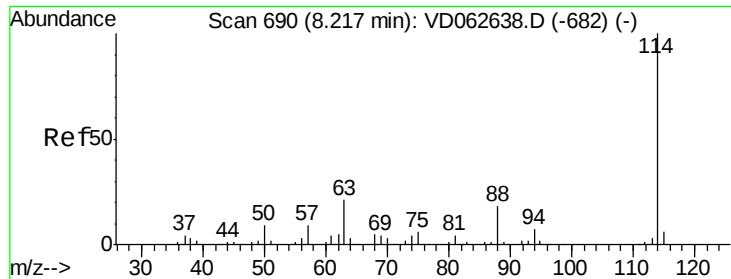
Tot Ion: 56 Resp: 17892
Ion Ratio Lower Upper
56 100
69 169.0 26.8 40.2#
84 65.1 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 28.197 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Tgt Ion: 65 Resp: 291344
Ion Ratio Lower Upper
65 100
67 43.3 0.0 81.8

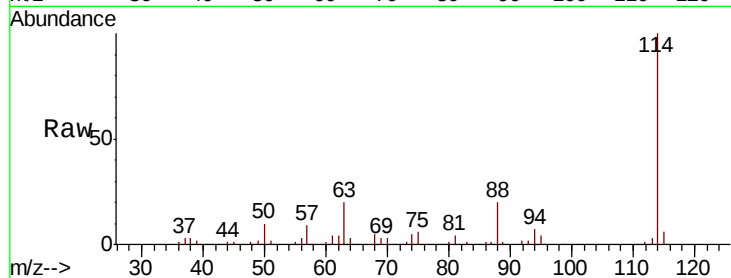




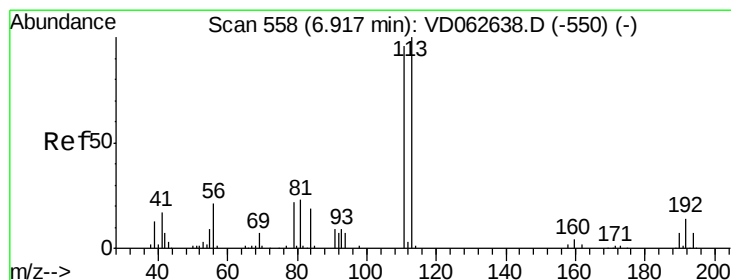
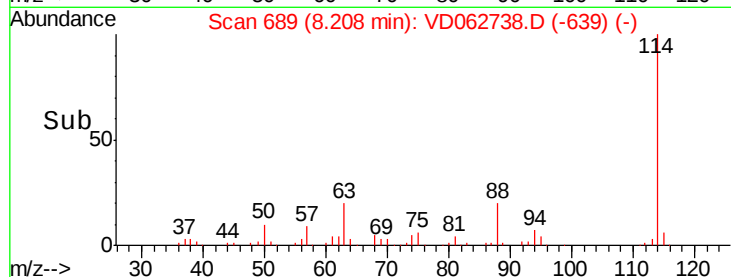
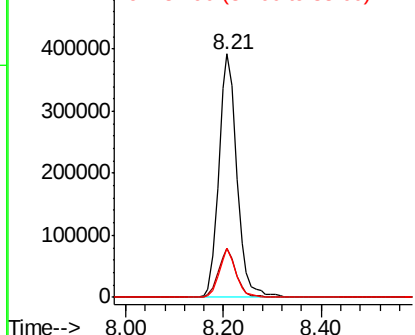
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062738.D
 Acq: 17 Jun 2019 20:28

Instrument :
 MSVOA_D
 ClientSampled :
 TP-E

Tot Ion:114 Resp: 1012150
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.4
 88 20.1 0.0 36.8

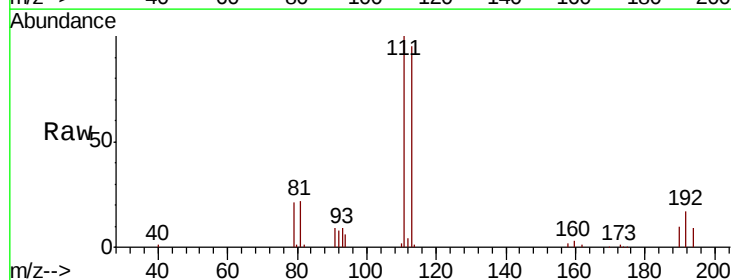


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

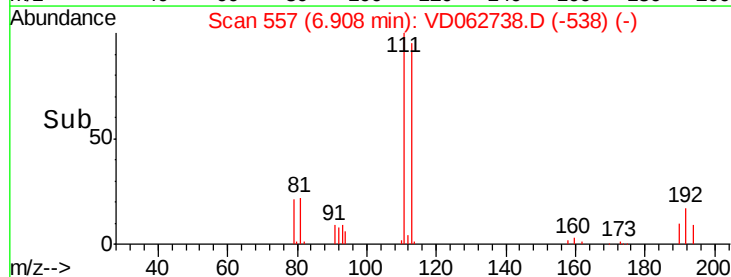
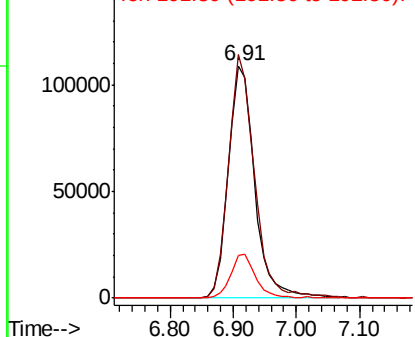


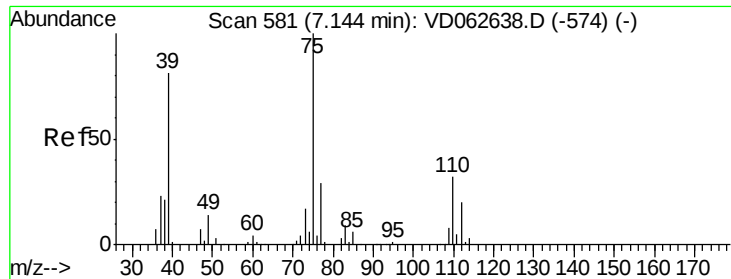
#35
 Dibromofluoromethane
 Concen: 29.419 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062738.D
 Acq: 17 Jun 2019 20:28

Tgt Ion:113 Resp: 314034
 Ion Ratio Lower Upper
 113 100
 111 104.9 76.4 114.6
 192 18.1 11.4 17.0#



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

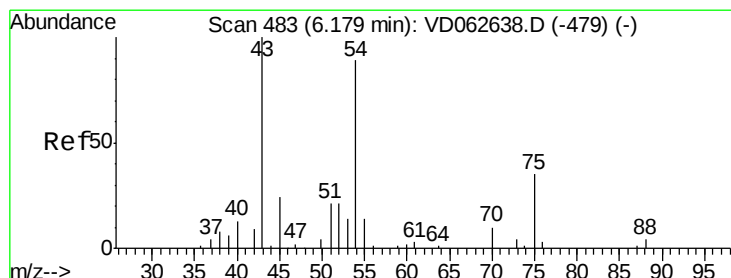
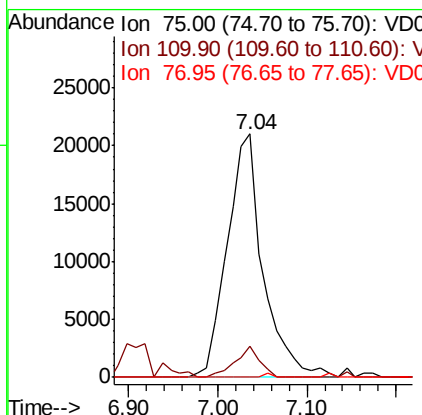
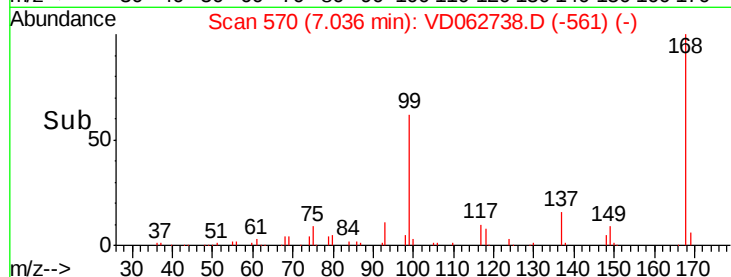
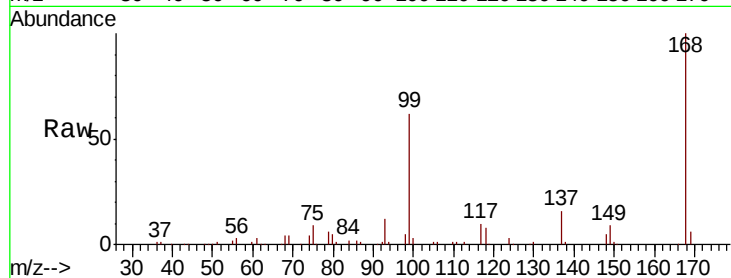




#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062738.D
 Acq: 17 Jun 2019 20:28

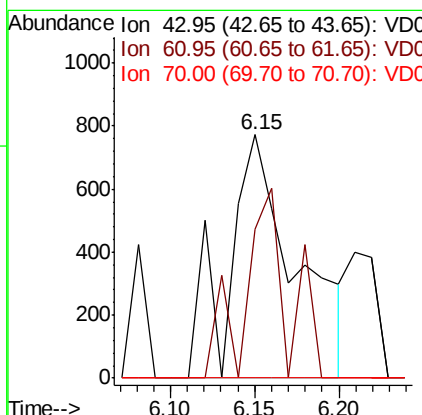
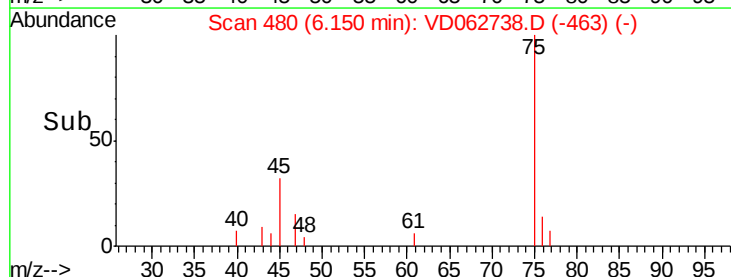
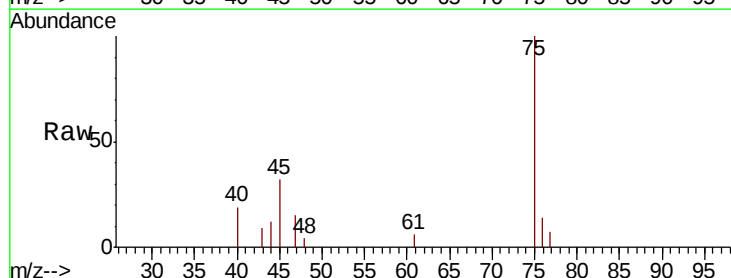
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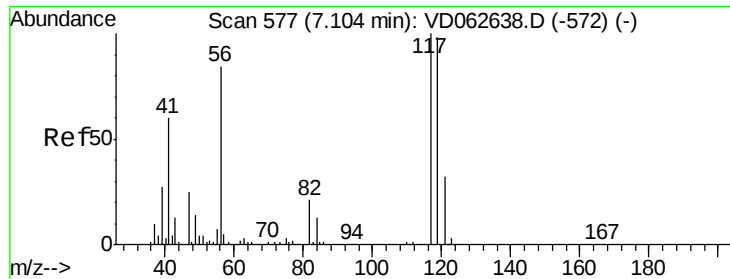
Tot Ion: 75 Resp: 59204
 Ion Ratio Lower Upper
 75 100
 110 12.7 15.9 47.7#
 77 0.0 23.3 34.9#



#37
 Ethyl Acetate
 Concen: 1.627 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.03 min
 Lab File: VD062738.D
 Acq: 17 Jun 2019 20:28

Tgt Ion: 43 Resp: 2156
 Ion Ratio Lower Upper
 43 100
 61 61.2 8.7 13.1#
 70 0.0 6.5 9.7#

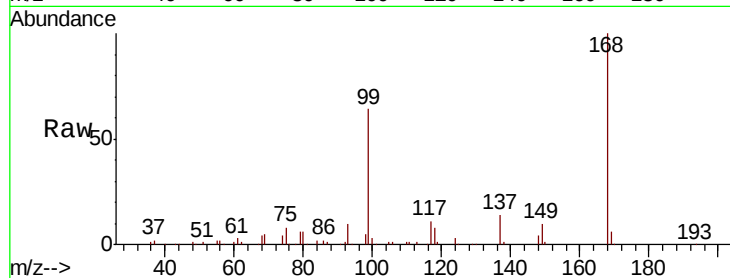




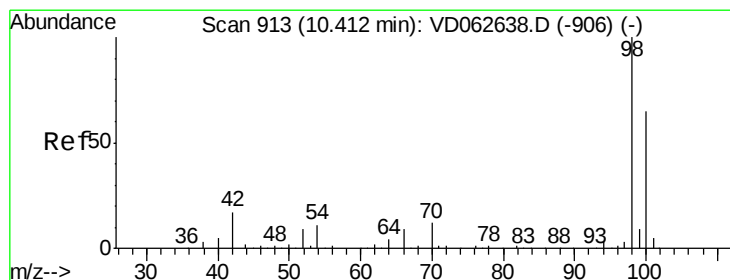
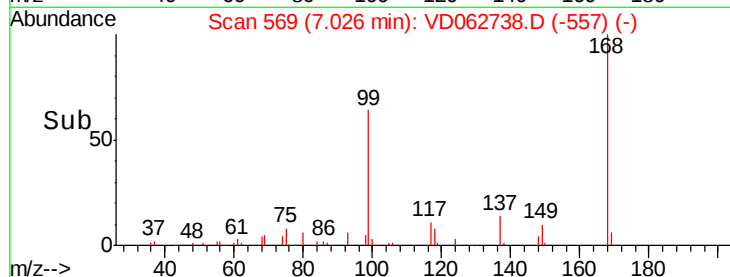
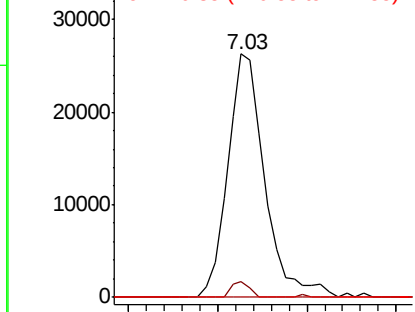
#38
Carbon Tetrachloride
Concen: 4.137 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :
TP-E

Tot Ion:117 Resp: 75753
Ion Ratio Lower Upper
117 100
119 6.7 73.5 110.3#
121 0.0 24.2 36.4#

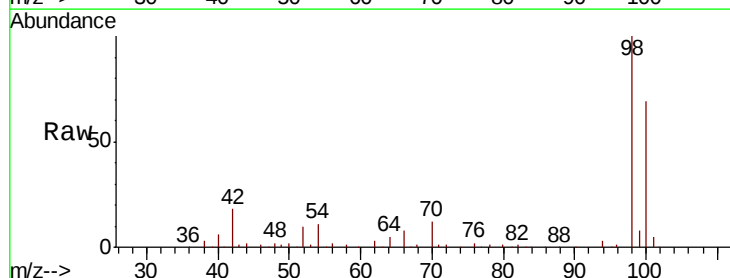


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

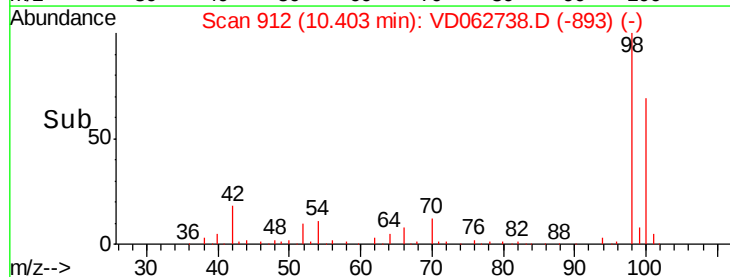
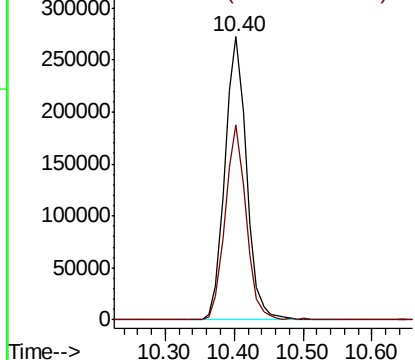


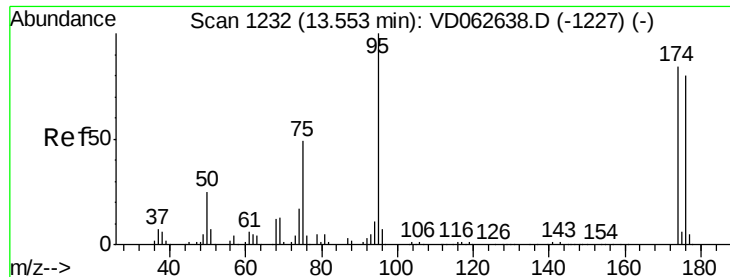
#50
Toluene-d8
Concen: 26.422 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Tgt Ion: 98 Resp: 593314
Ion Ratio Lower Upper
98 100
100 68.9 52.1 78.1



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





#62

4-Bromofluorobenzene

Concen: 29.308 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

TP-E

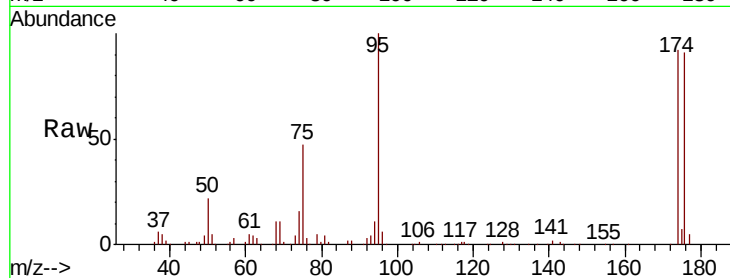
Tot Ion: 95 Resp: 307034

Ion Ratio Lower Upper

95 100

174 92.4 0.0 167.0

176 90.9 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

300000

250000

200000

150000

100000

50000

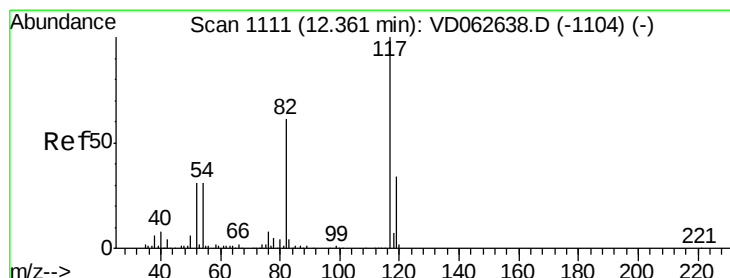
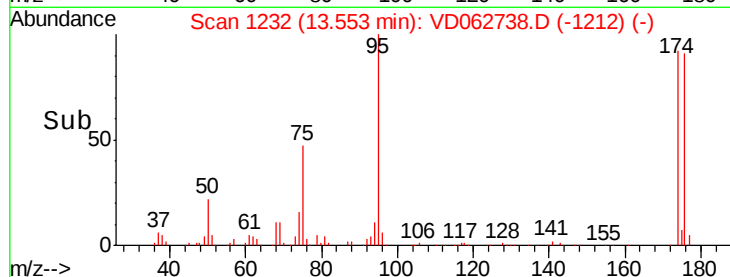
0

13.55

13.50

13.60

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

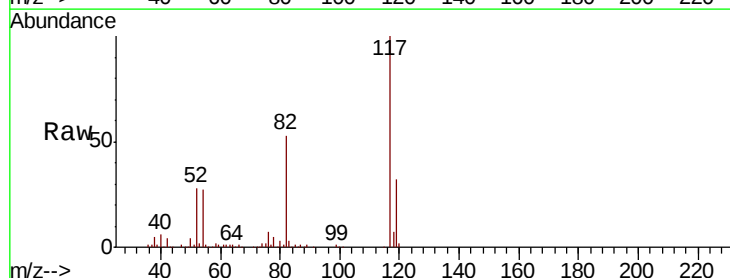
Tgt Ion: 117 Resp: 810081

Ion Ratio Lower Upper

117 100

82 53.1 48.7 73.1

119 32.4 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

600000

400000

200000

0

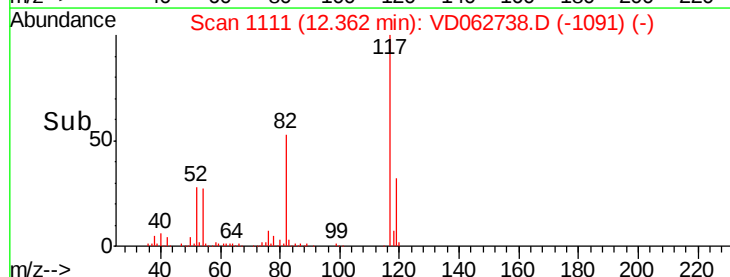
12.36

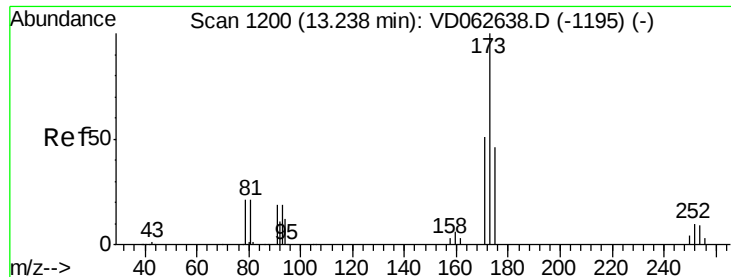
12.30

12.40

12.50

Time-->





#71

Bromoform

Concen: 2.859 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

TP-E

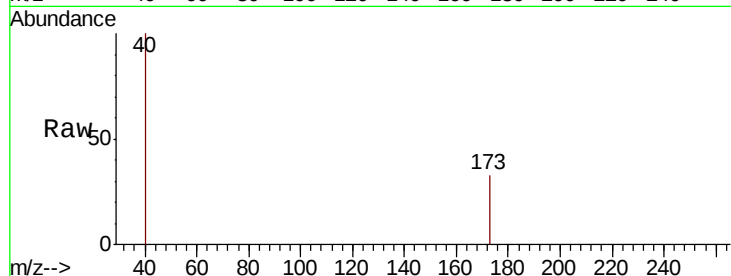
Tot Ion:173 Resp: 194

Ion Ratio Lower Upper

173 100

175 0.0 22.9 68.7#

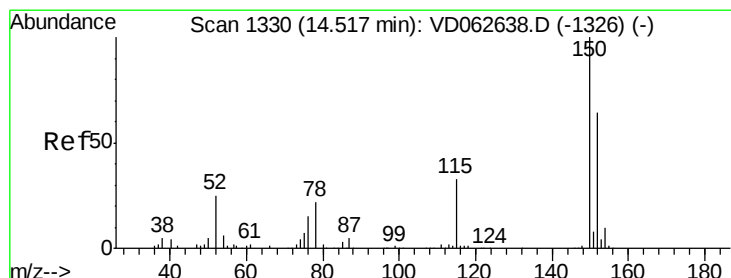
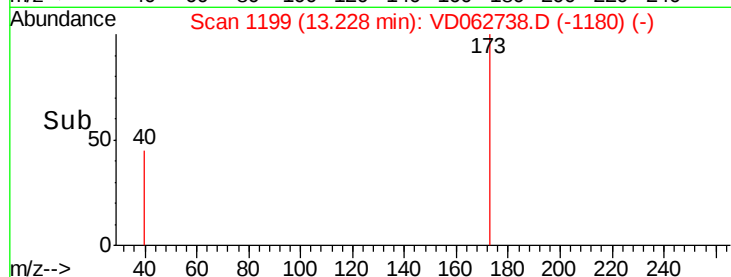
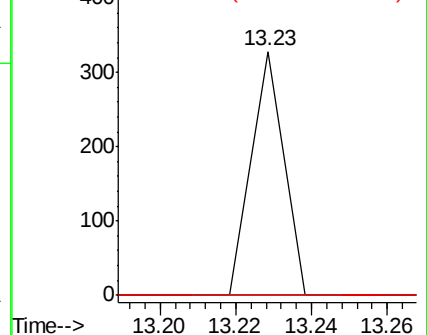
254 0.0 7.0 10.4#



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: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

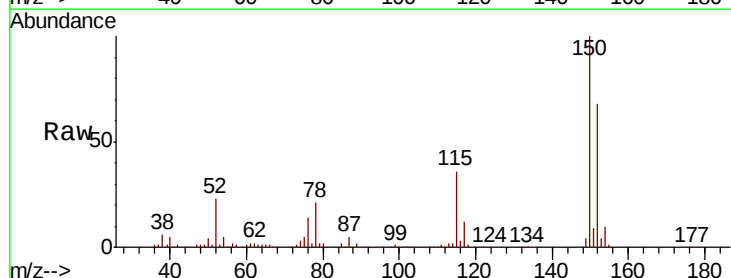
Tgt Ion:152 Resp: 447100

Ion Ratio Lower Upper

152 100

115 53.6 30.1 90.5

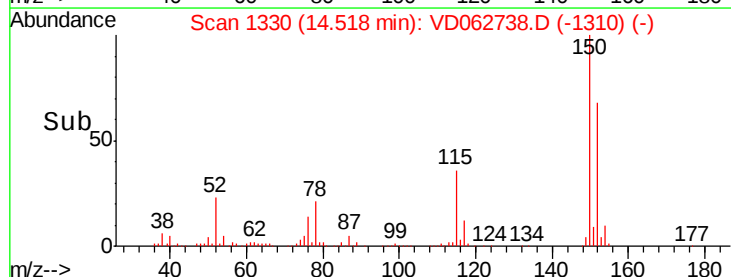
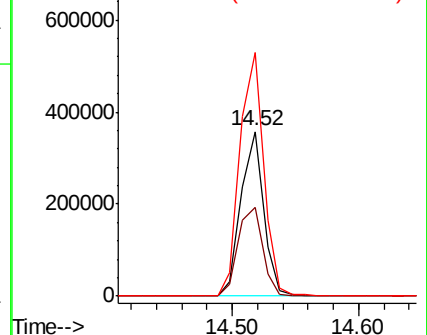
150 147.7 0.0 314.0

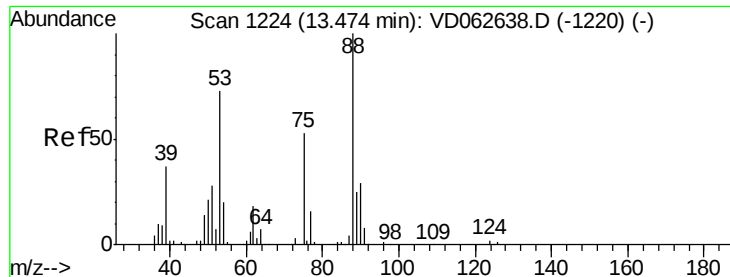


Abundance Ion 151.90 (151.60 to 152.60): V

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: 79.178 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

TP-E

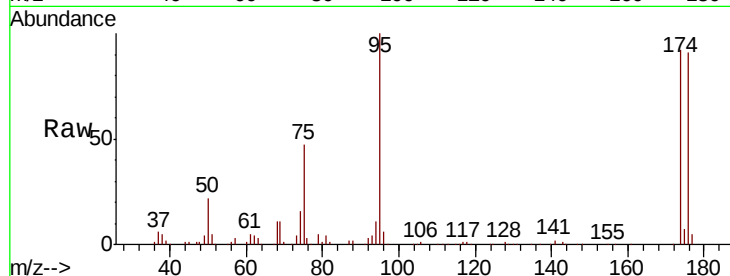
Tot Ion: 75 Resp: 146777

Ion Ratio Lower Upper

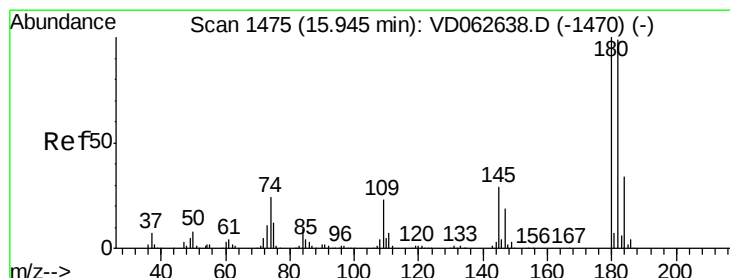
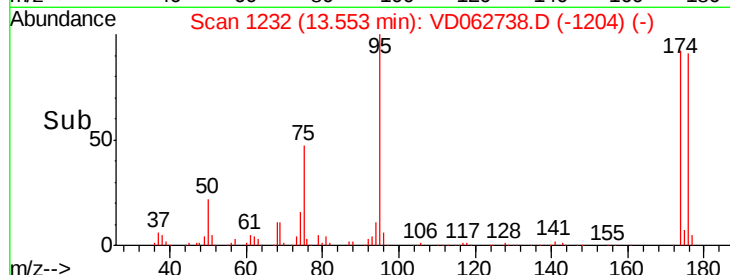
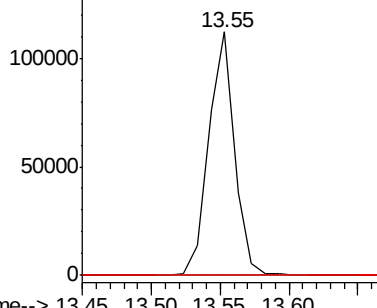
75 100

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: 3.672 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062738.D

Acq: 17 Jun 2019 20:28

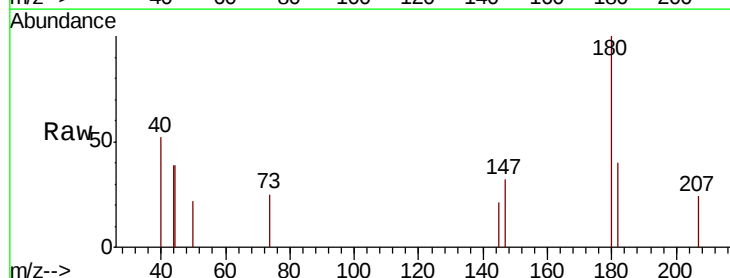
Tgt Ion:180 Resp: 1288

Ion Ratio Lower Upper

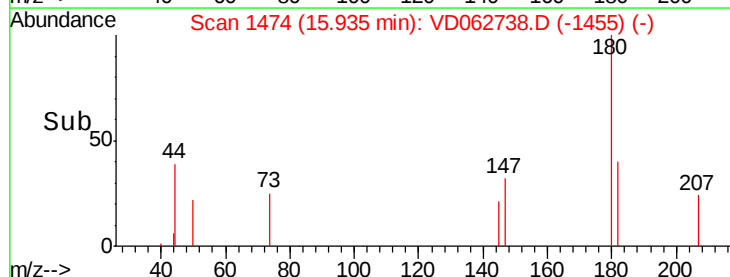
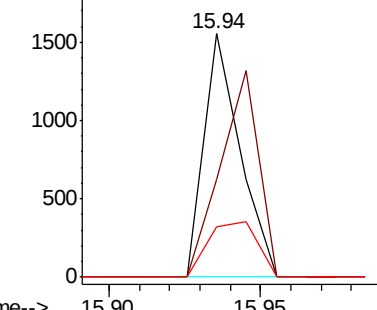
180 100

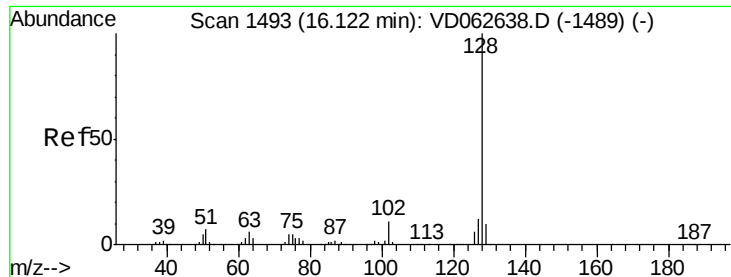
182 40.4 49.4 148.2#

145 20.6 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: 3.672 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062738.D
Acq: 17 Jun 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :
TP-E

Tot Ion:128 Resp: 3878
Ion Ratio Lower Upper
128 100
127 15.1 9.7 14.5#
129 17.5 8.1 12.1#

