

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062758.D
 Acq On : 18 Jun 2019 19:09
 Operator : VA/AP
 Sample : K3154-03RE
 Misc : 5.46g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:26:54 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	7.05	168	695247	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	950261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	781606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	390154	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	435161	43.38	ug/l	0.00
Spiked Amount			Recovery	=	86.76%	
35) Dibromofluoromethane	6.92	113	431003	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	
50) Toluene-d8	10.42	98	830627	39.40	ug/l	0.00
Spiked Amount			Recovery	=	78.80%	
62) 4-Bromofluorobenzene	13.56	95	367852	37.40	ug/l	0.00
Spiked Amount			Recovery	=	74.80%	

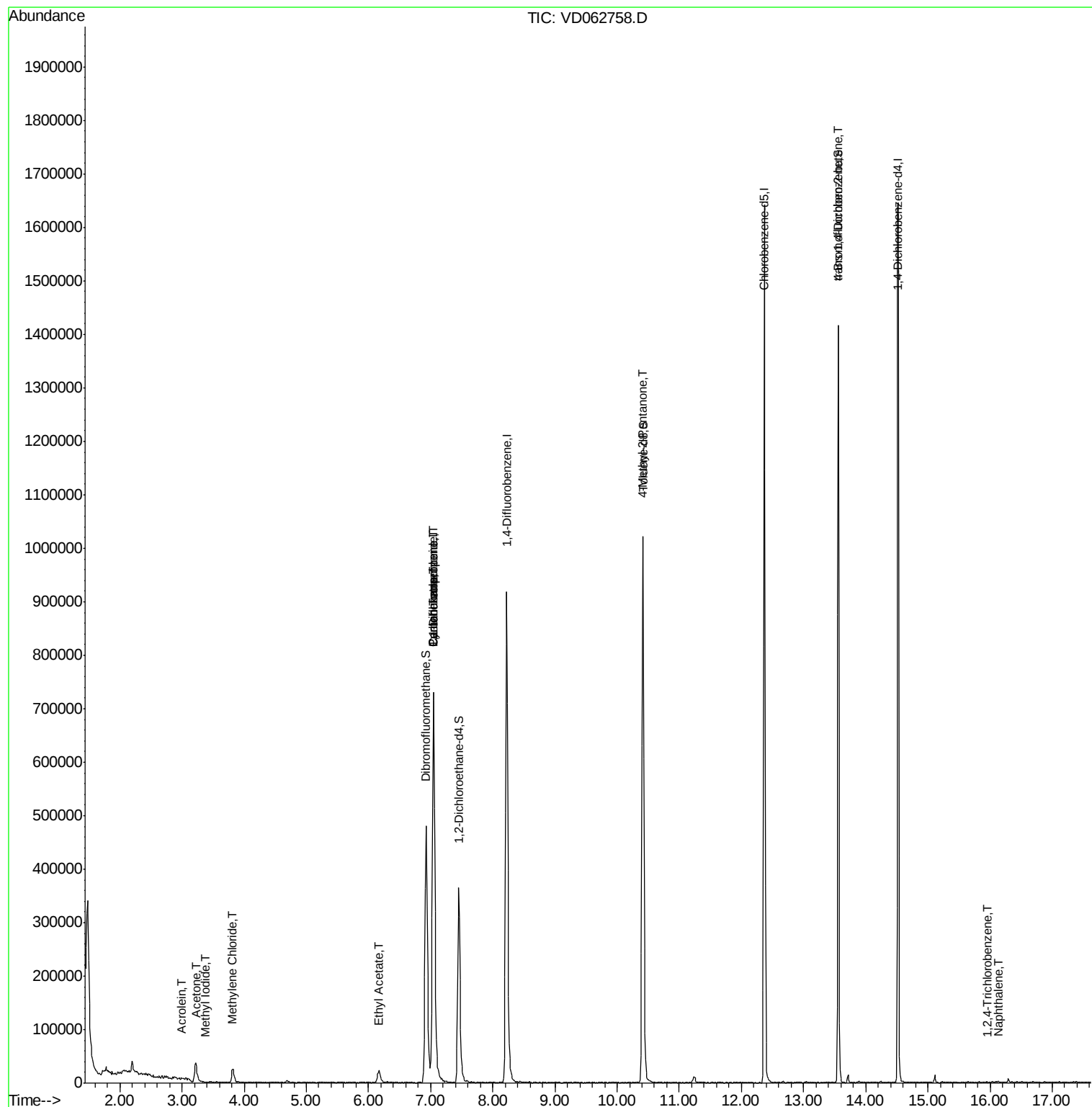
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1247	Below Cal	#	42
10) Methyl Iodide	3.38	142	262	4.028	ug/l #	24
13) Acrolein	2.98	56	188	1.417	ug/l #	12
16) Acetone	3.22	43	71831	39.101	ug/l #	80
20) Methylene Chloride	3.81	84	14774	1.702	ug/l	90
31) Cyclohexane	7.04	56	19908	2.515	ug/l #	26
36) 1,1-Dichloropropene	7.04	75	59343	5.456	ug/l #	52
37) Ethyl Acetate	6.18	43	1542	1.525	ug/l #	74
38) Carbon Tetrachloride	7.04	117	71763	4.175	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	4690	1.168	ug/l #	33
81) trans-1,4-Dichloro-2-buten	13.56	75	184142	112.128	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	587	3.622	ug/l #	49
95) Naphthalene	16.13	128	1953	3.578	ug/l #	71

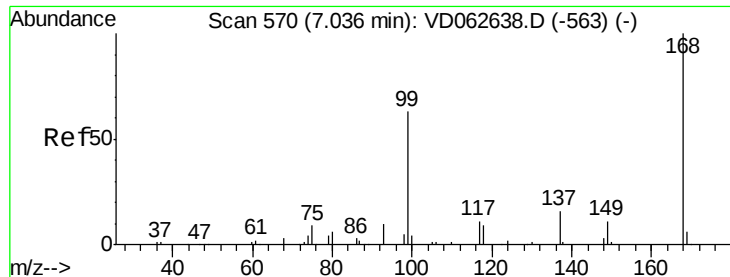
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

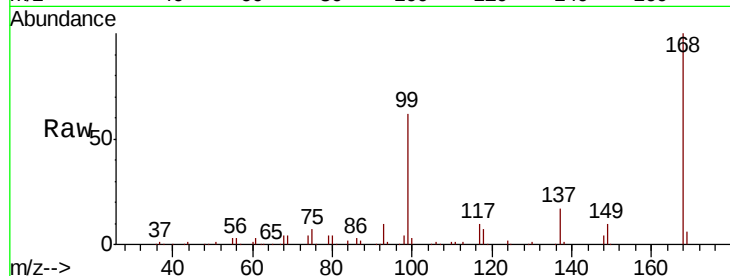
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 695247

Ion Ratio Lower Upper

168 100

99 61.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

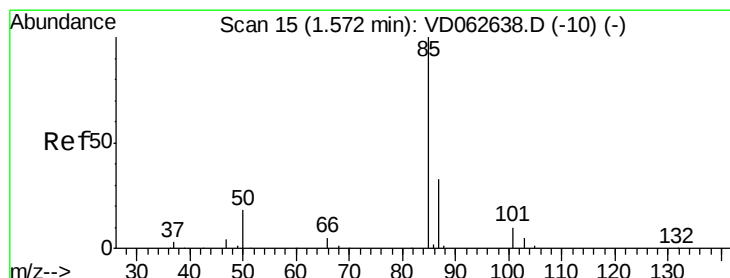
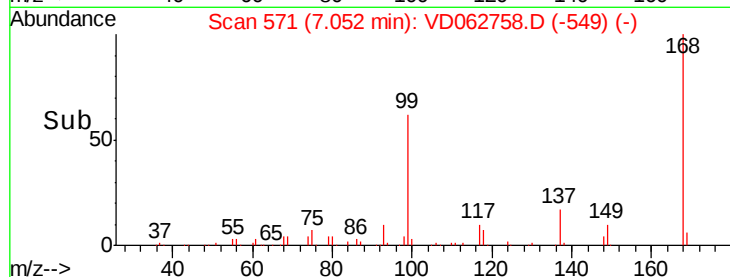
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062758.D

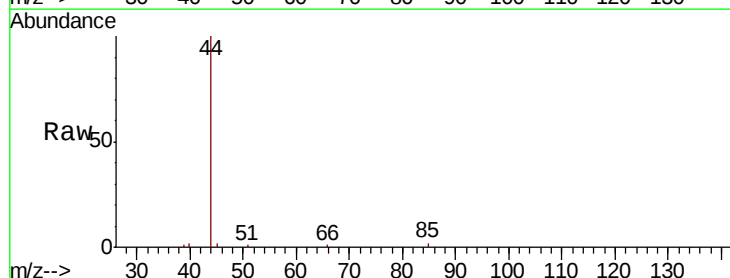
Acq: 18 Jun 2019 19:09

Tgt Ion: 85 Resp: 1247

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

1.57

800

600

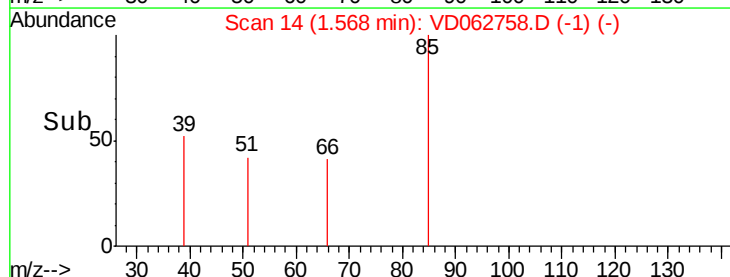
400

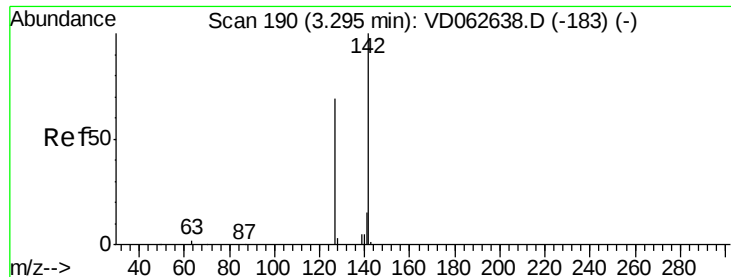
200

0

1.55 1.60

Time-->





#10

Methyl Iodide

Concen: 4.028 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.09 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

Instrument :

MSVOA_D

ClientSampled :

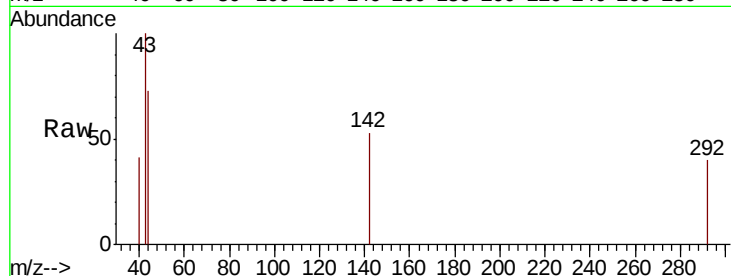
Tot Ion:142 Resp: 262

Ion Ratio Lower Upper

142 100

127 0.0 55.2 82.8#

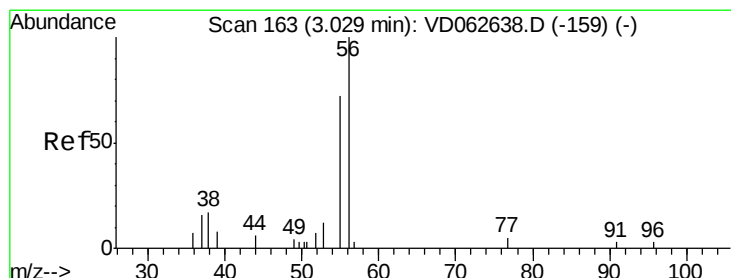
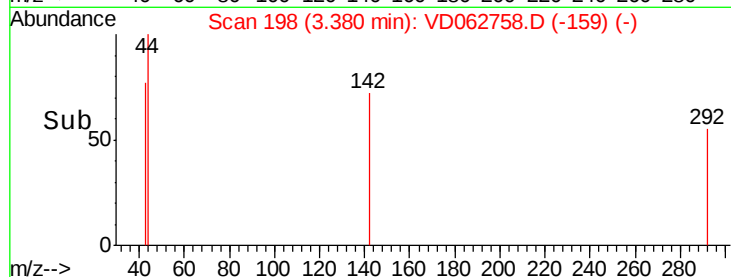
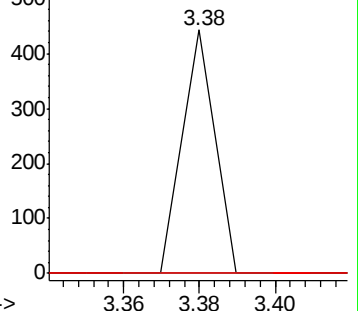
141 0.0 12.1 18.1#



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: 1.417 ug/l

RT: 2.98 min Scan# 157

Delta R.T. -0.05 min

Lab File: VD062758.D

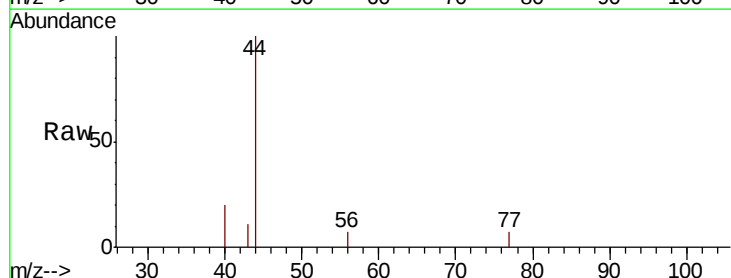
Acq: 18 Jun 2019 19:09

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

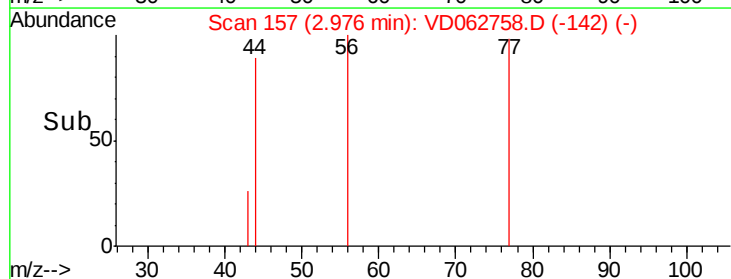
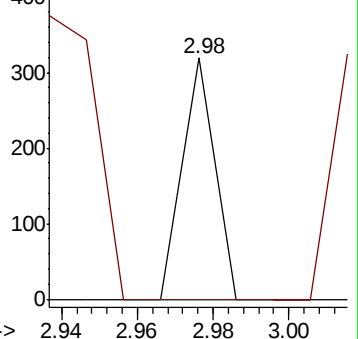
56 100

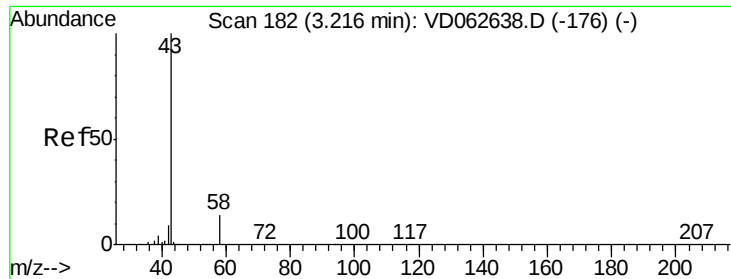
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V

Ion 55.00 (54.70 to 55.70): V

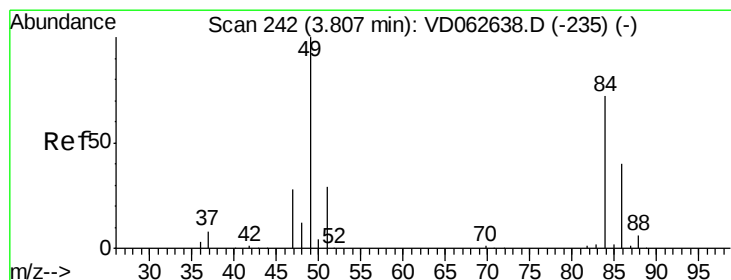
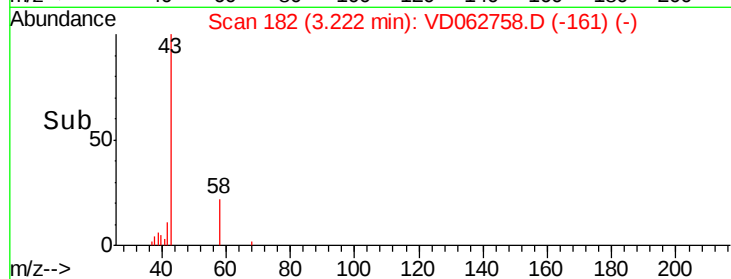
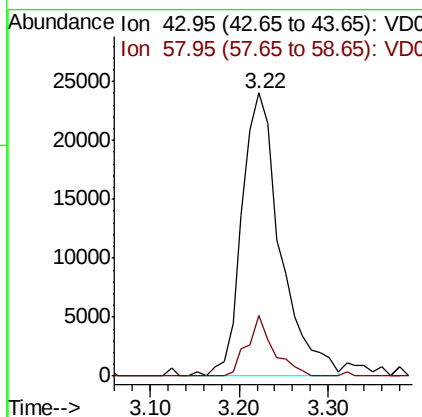
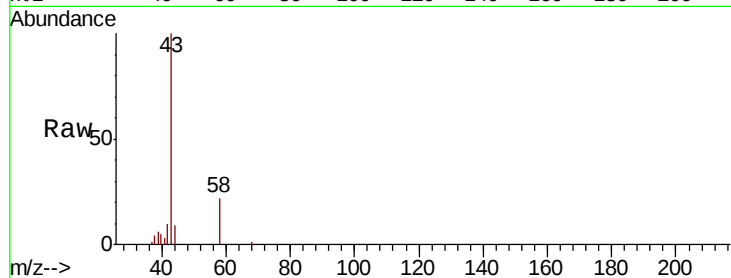




#16
Acetone
Concen: 39.101 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

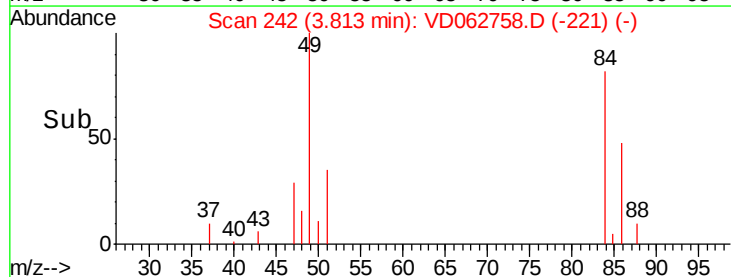
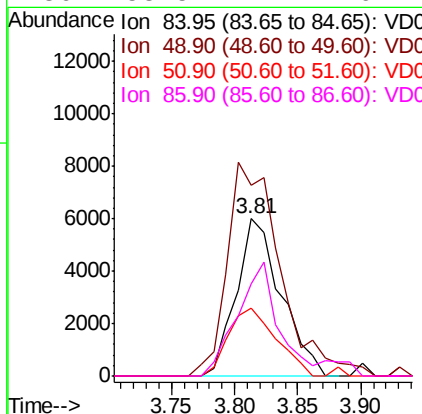
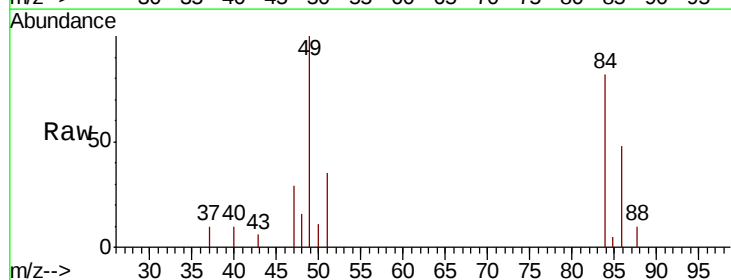
Instrument :
MSVOA_D
ClientSampleId :

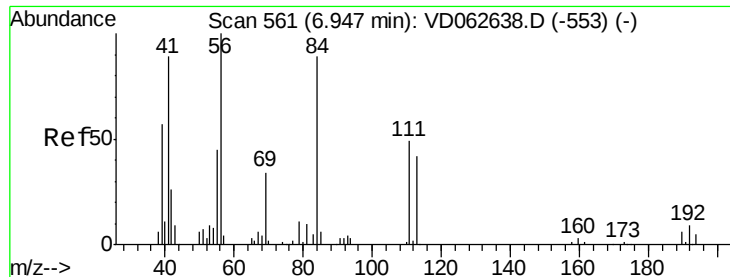
Tot Ion: 43 Resp: 71831
Ion Ratio Lower Upper
43 100
58 21.5 10.8 16.2#



#20
Methylene Chloride
Concen: 1.702 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Tgt Ion: 84 Resp: 14774
Ion Ratio Lower Upper
84 100
49 121.5 111.2 166.8
51 43.1 31.9 47.9
86 58.5 44.7 67.1

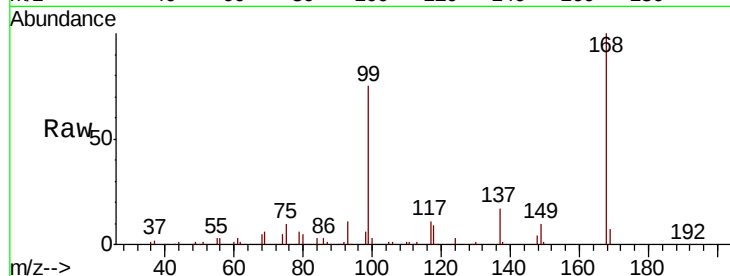




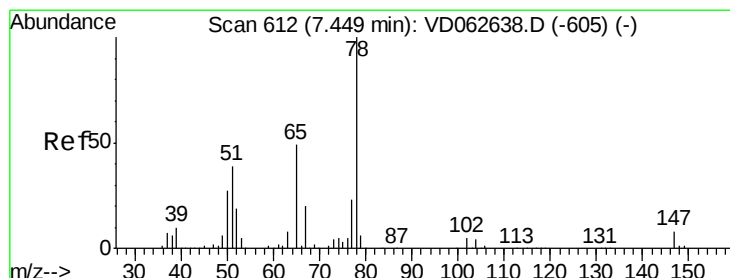
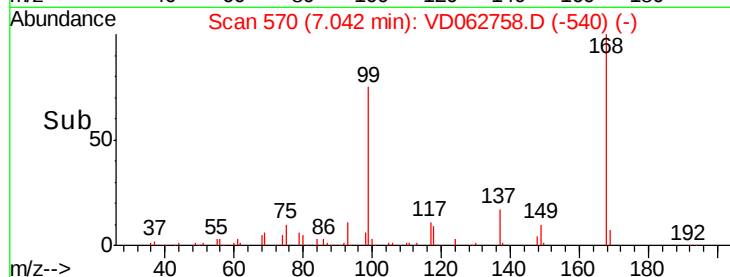
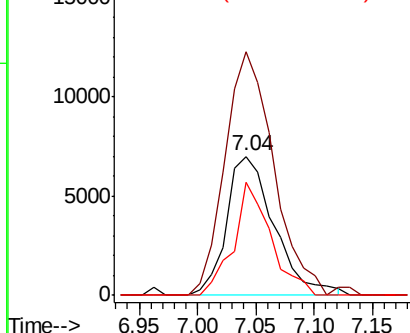
#31
Cyclohexane
Concen: 2.515 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 19908
Ion Ratio Lower Upper
56 100
69 174.8 26.8 40.2#
84 81.5 73.9 110.9

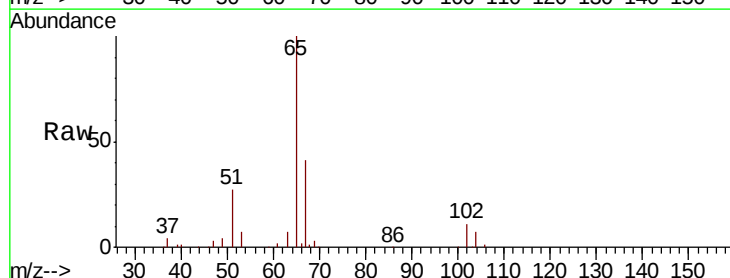


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

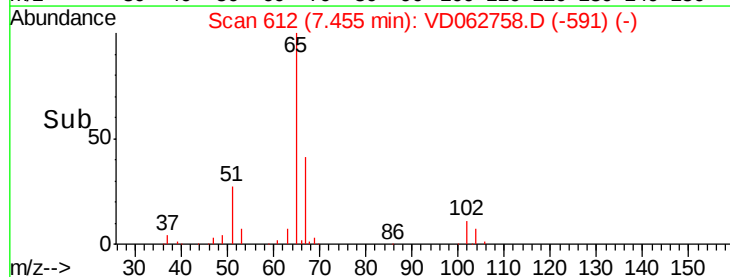
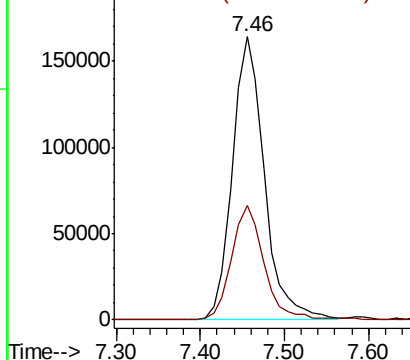


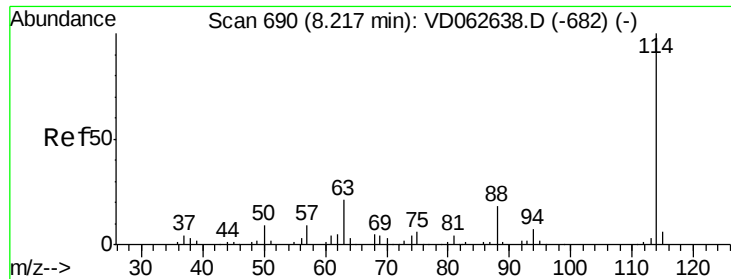
#33
1,2-Dichloroethane-d4
Concen: 43.376 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Tgt Ion: 65 Resp: 435161
Ion Ratio Lower Upper
65 100
67 40.6 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

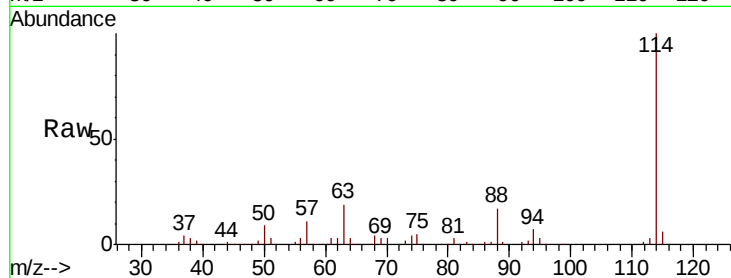




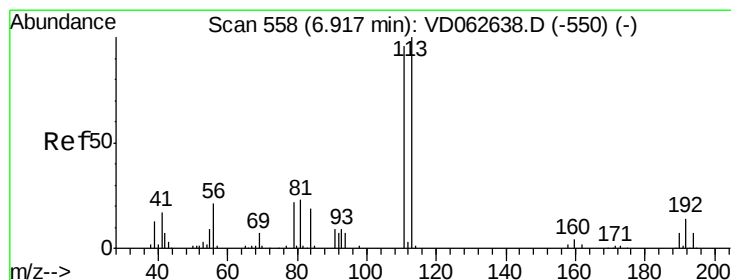
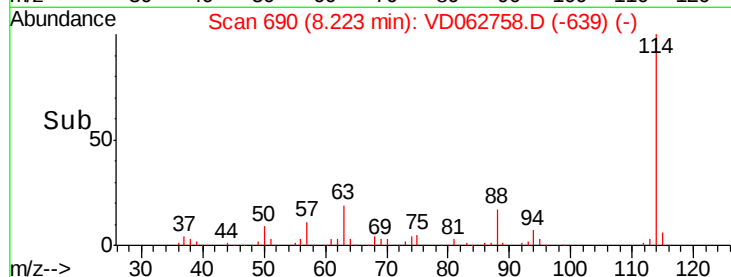
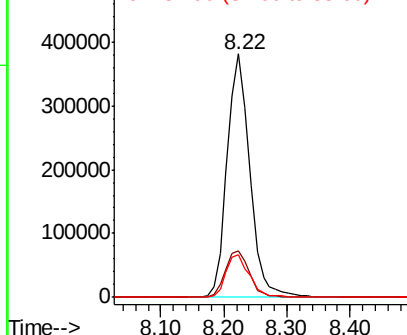
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 950261
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 17.5 0.0 36.8

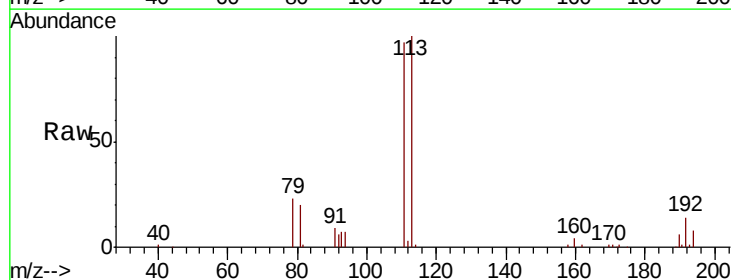


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

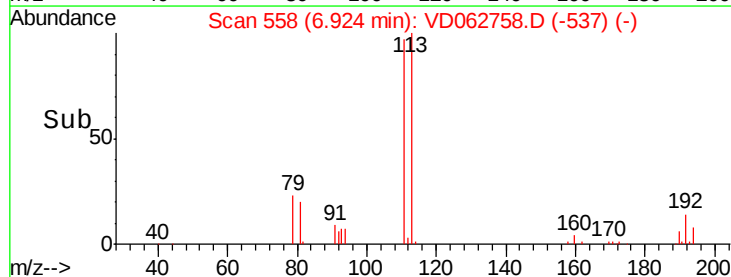
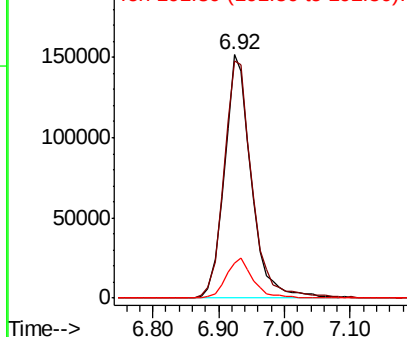


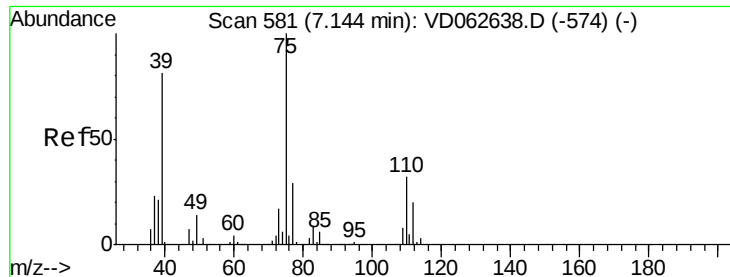
#35
Dibromofluoromethane
Concen: 43.007 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Tgt Ion:113 Resp: 431003
Ion Ratio Lower Upper
113 100
111 97.5 76.4 114.6
192 14.4 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: 5.456 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

Instrument :

MSVOA_D

ClientSampled :

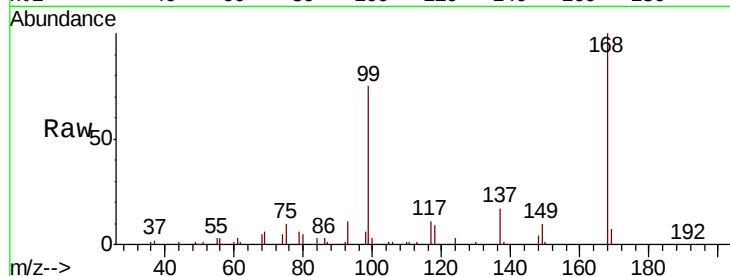
Tot Ion: 75 Resp: 59343

Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.7#

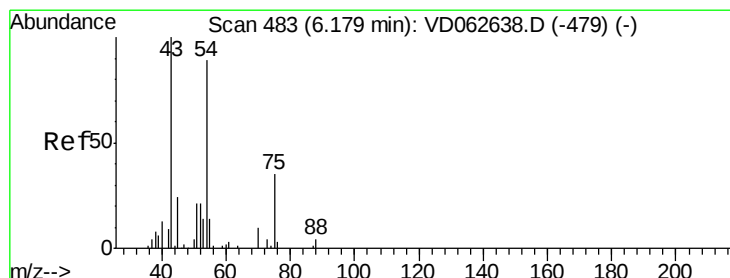
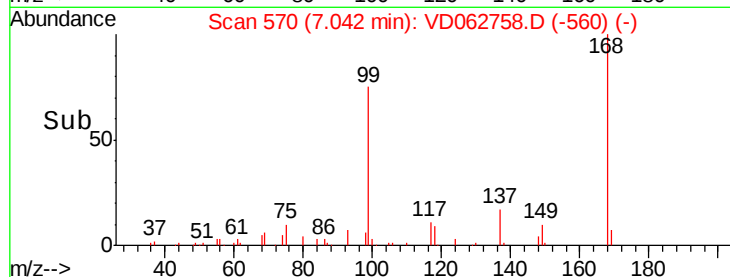
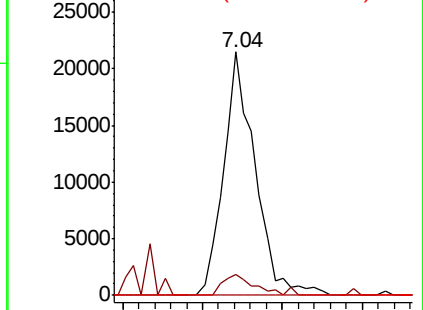
77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.525 ug/l

RT: 6.18 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

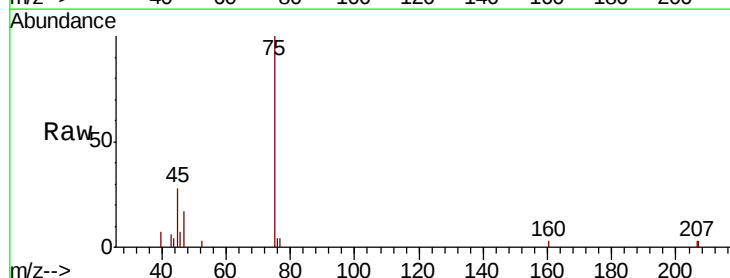
Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

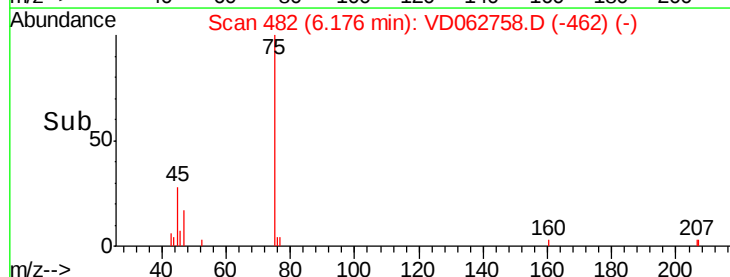
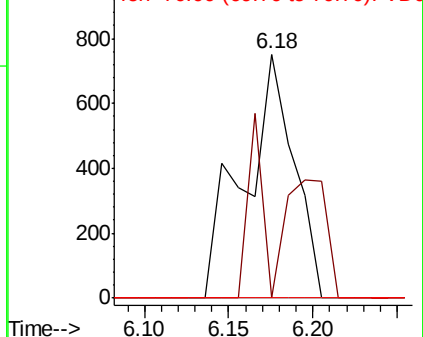
70 0.0 6.5 9.7#

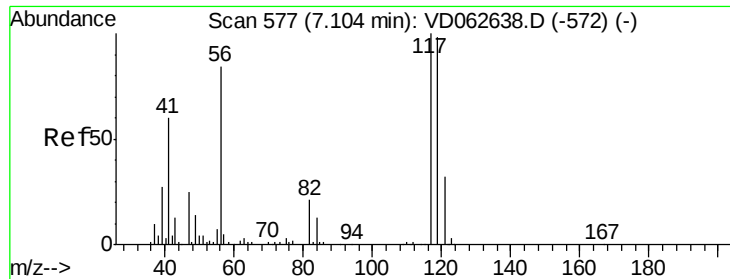


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

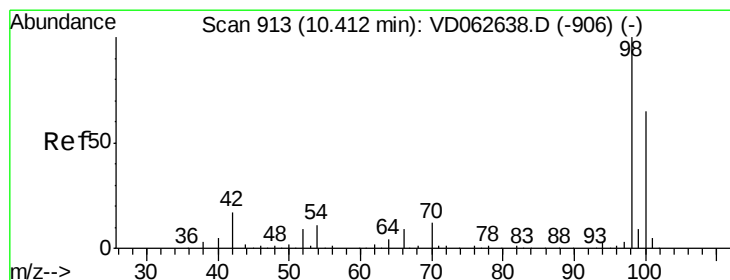
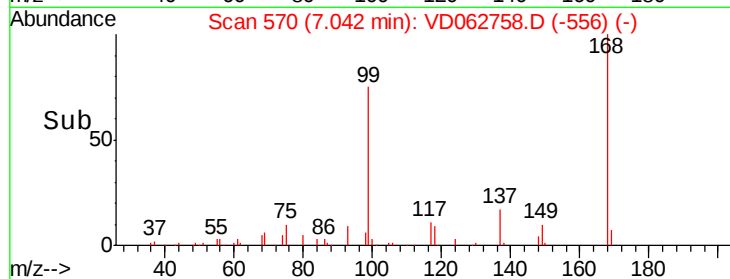
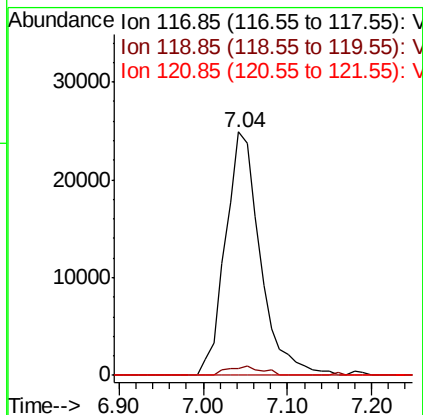
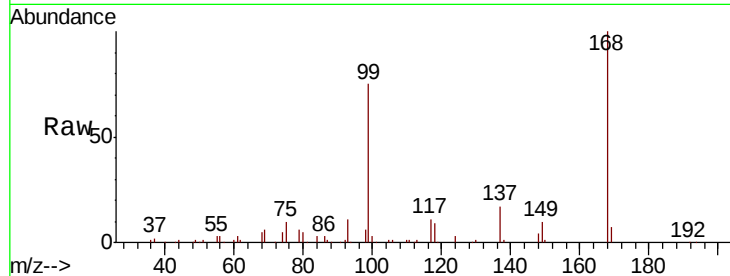




#38
Carbon Tetrachloride
Concen: 4.175 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

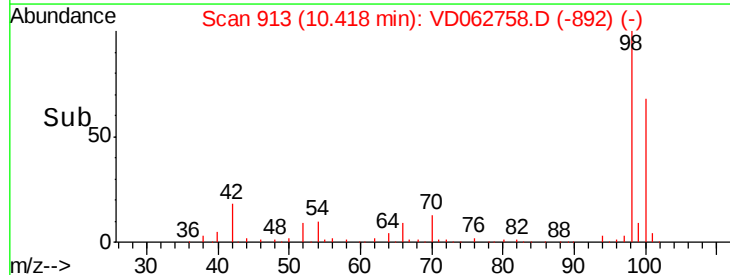
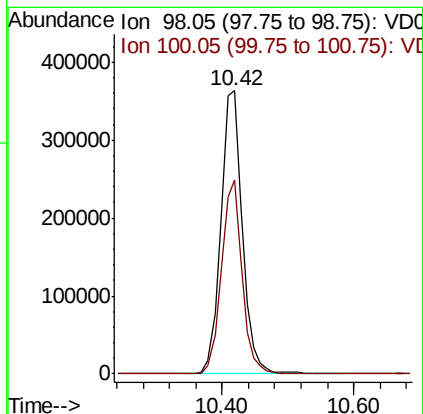
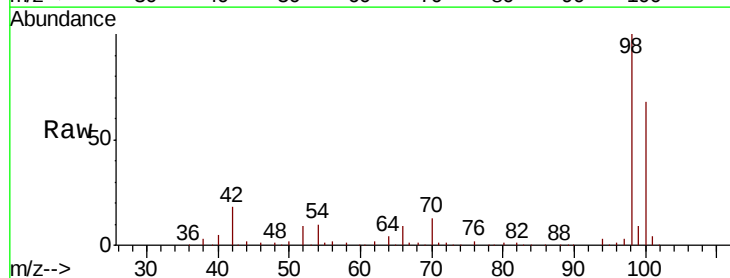
Instrument :
MSVOA_D
ClientSampleId :

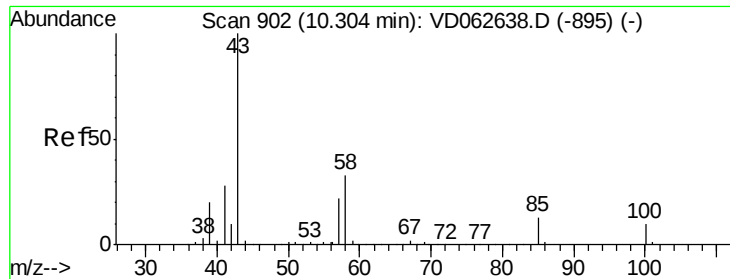
Tot Ion:117 Resp: 71763
Ion Ratio Lower Upper
117 100
119 2.7 73.5 110.3#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 39.399 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Tgt Ion: 98 Resp: 830627
Ion Ratio Lower Upper
98 100
100 68.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.168 ug/l

RT: 10.40 min Scan# 911

Delta R.T. 0.09 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

Instrument :

MSVOA_D

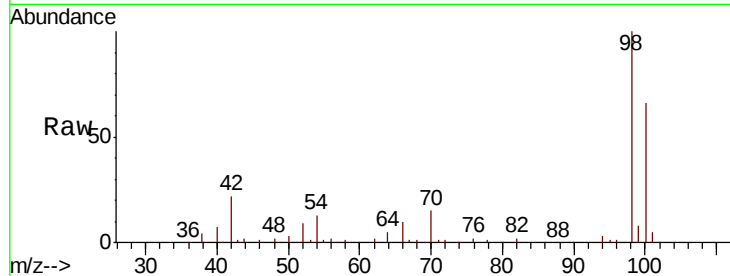
ClientSampled :

Tot Ion: 43 Resp: 4690

Ion Ratio Lower Upper

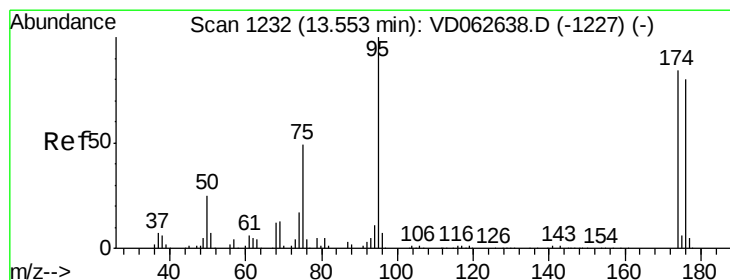
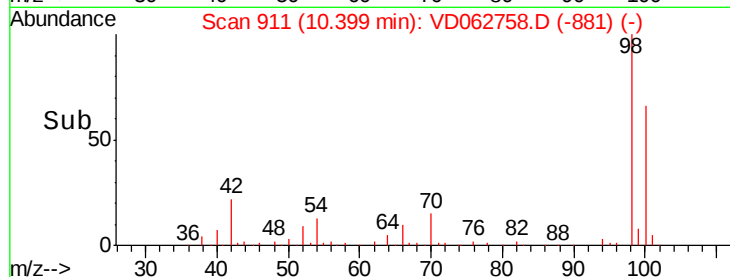
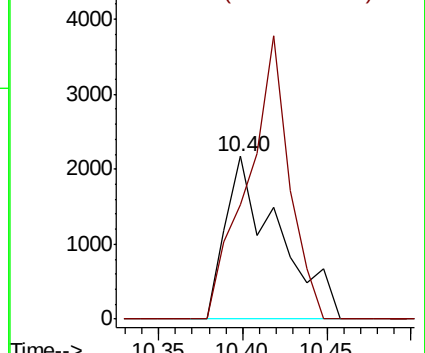
43 100

58 70.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 37.400 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

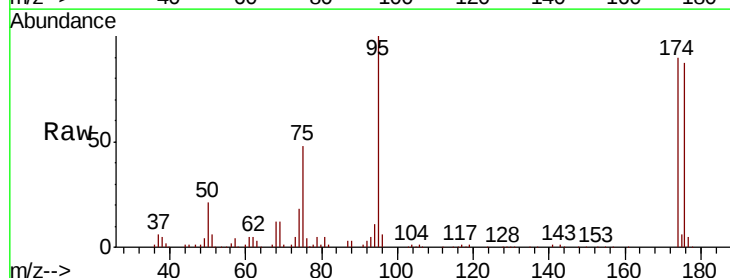
Tgt Ion: 95 Resp: 367852

Ion Ratio Lower Upper

95 100

174 89.7 0.0 167.0

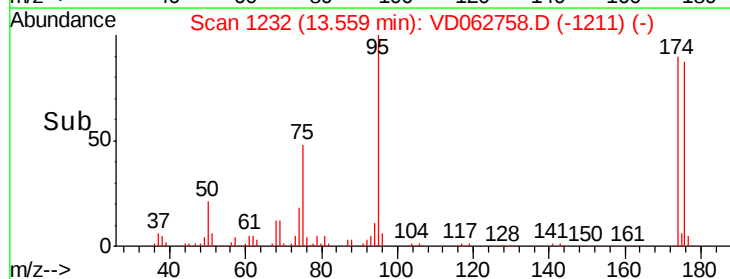
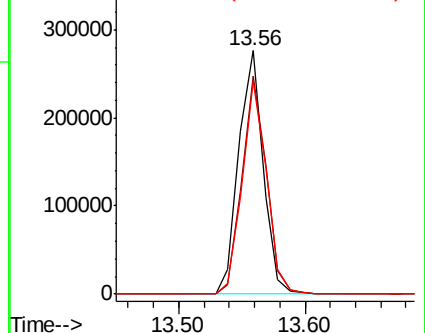
176 87.4 0.0 159.2

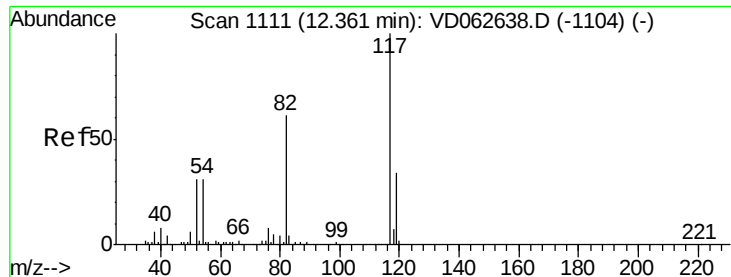


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

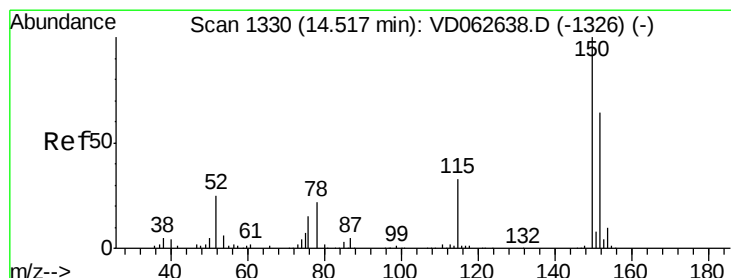
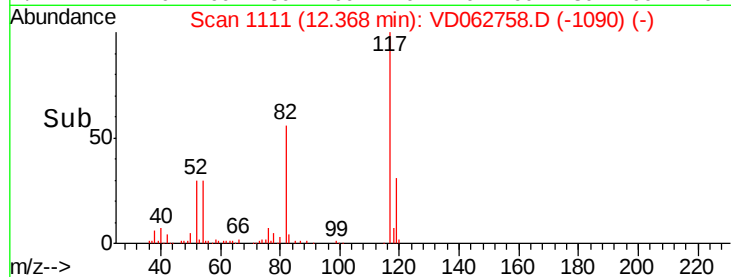
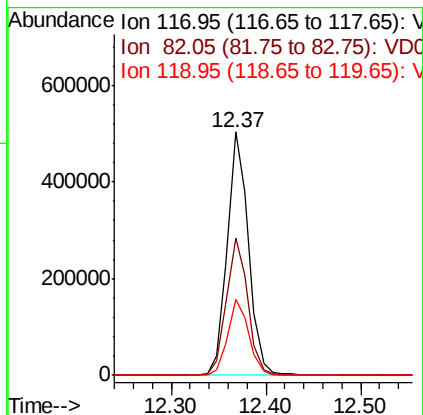
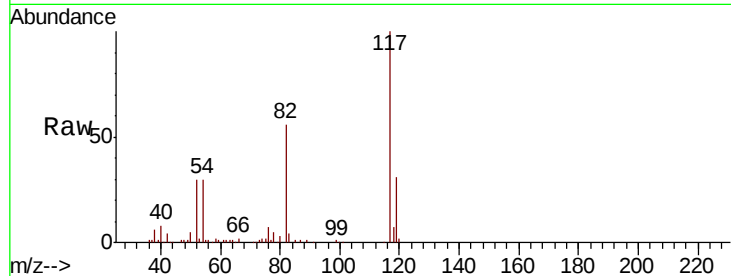




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

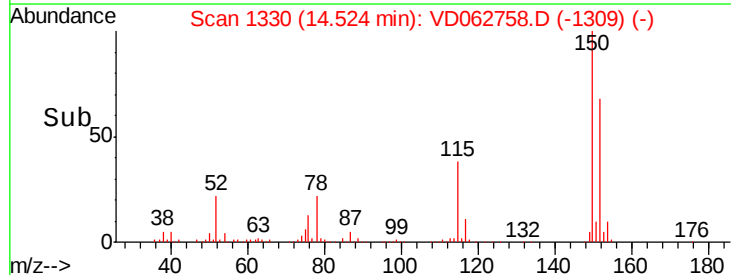
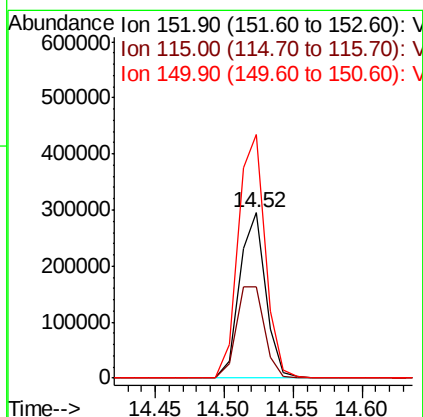
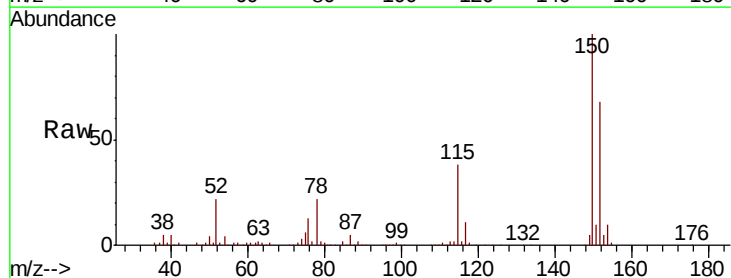
Instrument :
MSVOA_D
ClientSampleId :

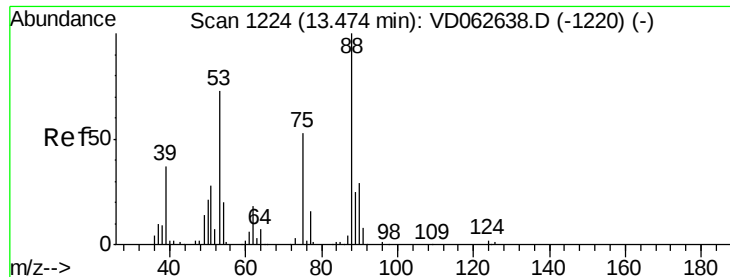
Tot Ion:117 Resp: 781606
Ion Ratio Lower Upper
117 100
82 56.5 48.7 73.1
119 31.3 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Tgt Ion:152 Resp: 390154
Ion Ratio Lower Upper
152 100
115 55.6 30.1 90.5
150 147.6 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 112.128 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

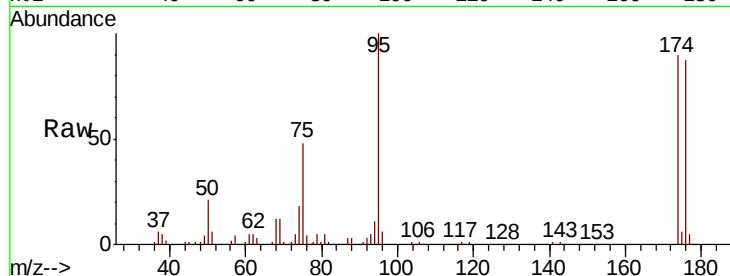
Tot Ion: 75 Resp: 184142

Ion Ratio Lower Upper

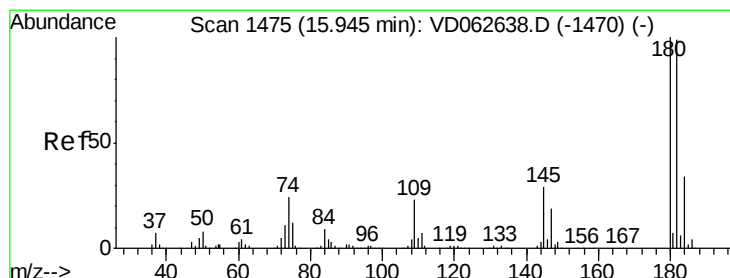
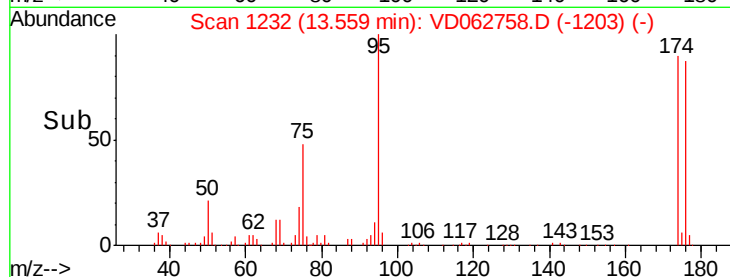
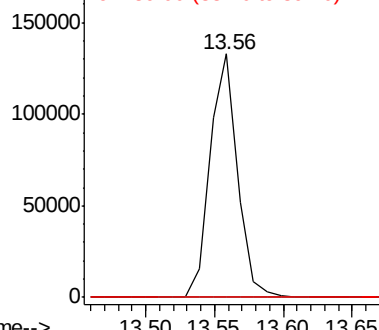
75 100

53 0.3 109.4 164.2#

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: 3.622 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD062758.D

Acq: 18 Jun 2019 19:09

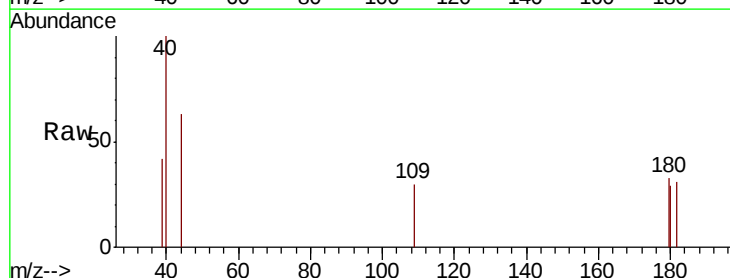
Tgt Ion:180 Resp: 587

Ion Ratio Lower Upper

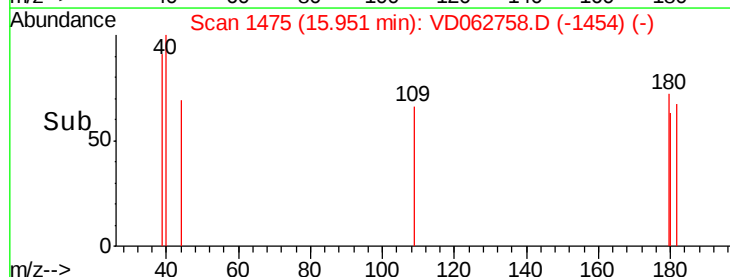
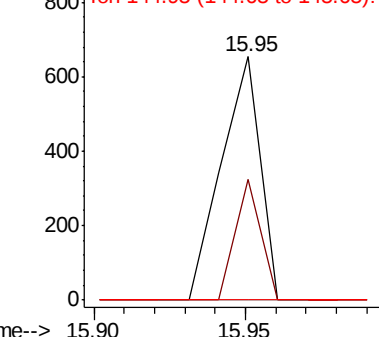
180 100

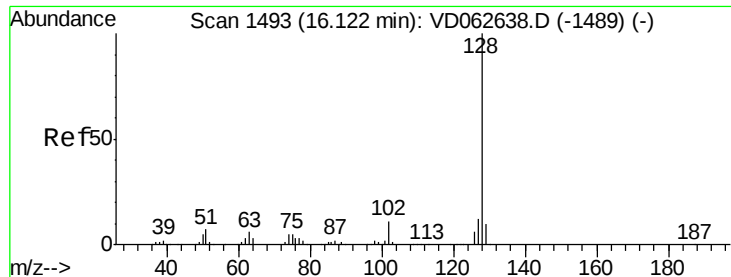
182 49.7 49.4 148.2

145 0.0 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

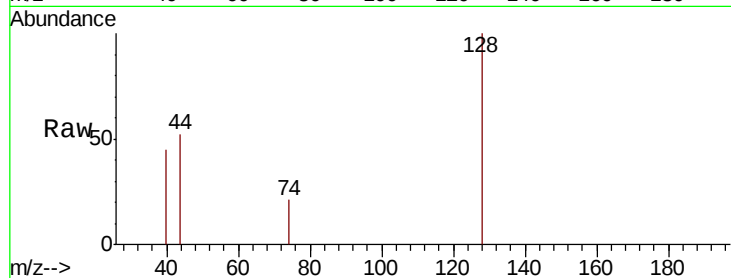




#95
Naphthalene
Concen: 3.578 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062758.D
Acq: 18 Jun 2019 19:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.7	14.5#
129	0.0	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

