

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062677.D
 Acq On : 12 Jun 2019 16:36
 Operator : VA/AP
 Sample : K3273-15RE
 Misc : 4.73g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:25:04 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	7.04	168	641614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	904717	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	743558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	422120	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	319562	34.52	ug/l	-0.01
Spiked Amount						
			Recovery	=	69.04%	
35) Dibromofluoromethane	6.91	113	353010	37.00	ug/l	-0.01
Spiked Amount						
			Recovery	=	74.00%	
50) Toluene-d8	10.40	98	695752	34.66	ug/l	-0.01
Spiked Amount						
			Recovery	=	69.32%	
62) 4-Bromofluorobenzene	13.55	95	354871	37.90	ug/l	0.00
Spiked Amount						
			Recovery	=	75.80%	

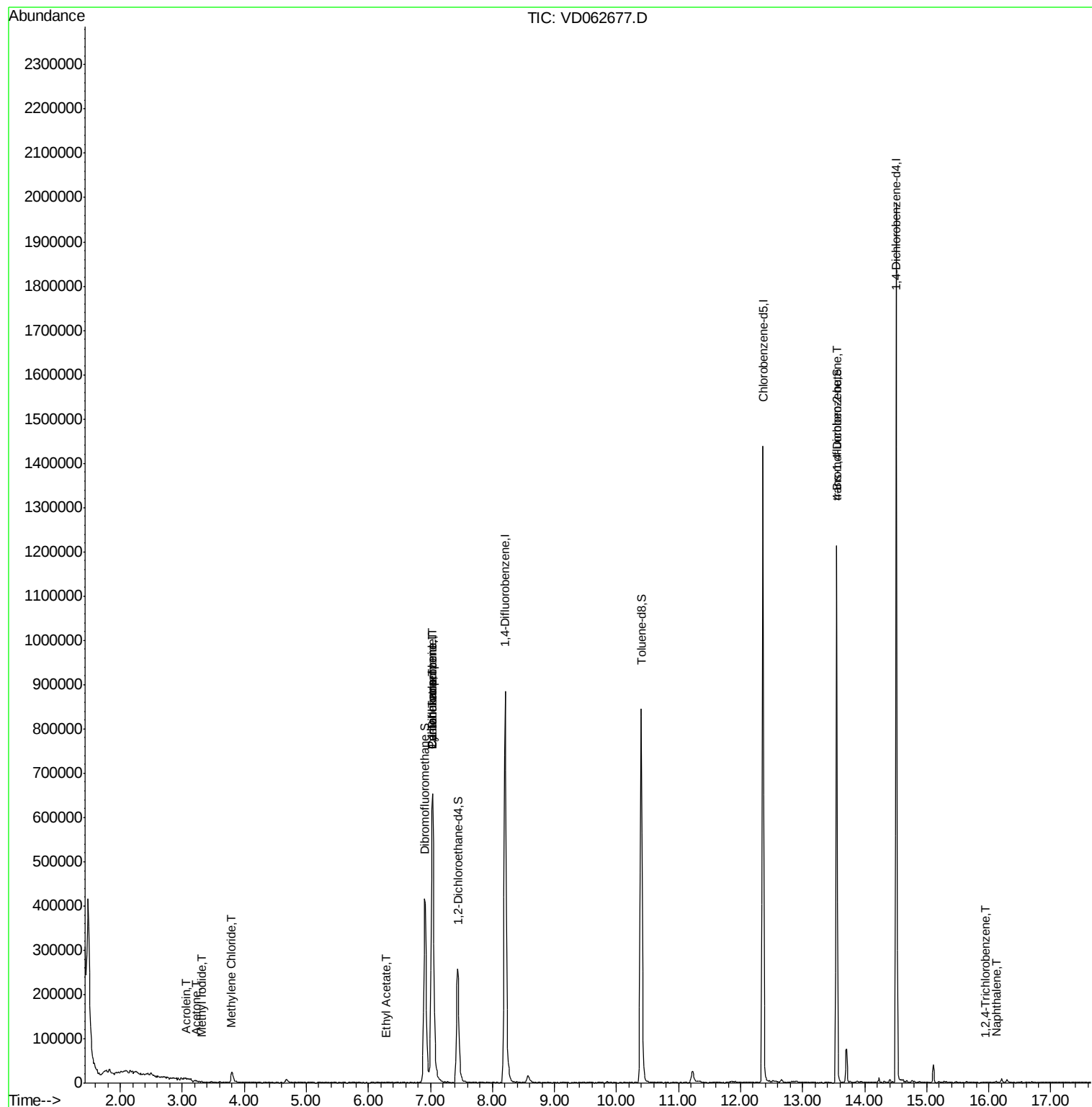
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	1207	Below Cal	#	42
10) Methyl Iodide	3.32	142	1176	4.103	ug/l #	24
13) Acrolein	3.06	56	272	2.222	ug/l #	12
16) Acetone	3.22	43	9040	5.332	ug/l #	66
20) Methylene Chloride	3.81	84	13577	1.693	ug/l #	86
31) Cyclohexane	7.03	56	16125	2.207	ug/l #	12
36) 1,1-Dichloropropene	7.04	75	51768	5.000	ug/l #	51
37) Ethyl Acetate	6.29	43	188	1.243	ug/l #	74
38) Carbon Tetrachloride	7.04	117	65153	3.981	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	172251	97.472	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	393	3.602	ug/l #	55
95) Naphthalene	16.12	128	2888	3.625	ug/l #	85

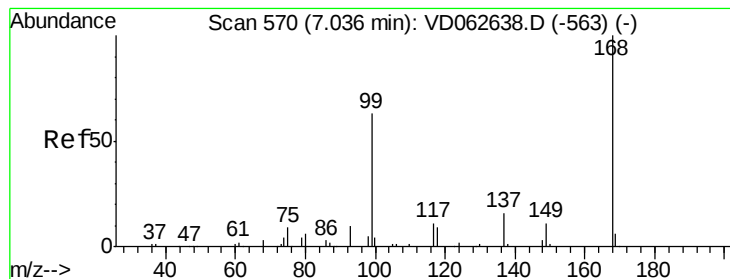
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062677.D

Acq: 12 Jun 2019 16:36

Instrument :

MSVOA_D

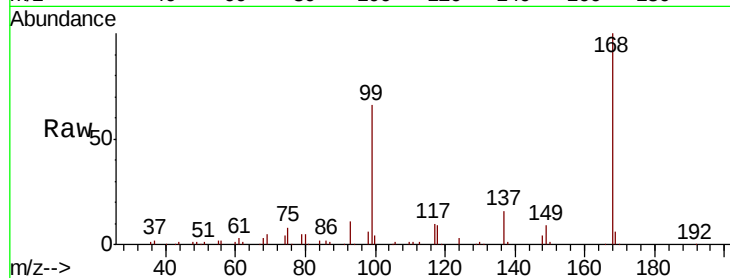
ClientSampleId :

Tot Ion:168 Resp: 641614

Ion Ratio Lower Upper

168 100

99 65.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

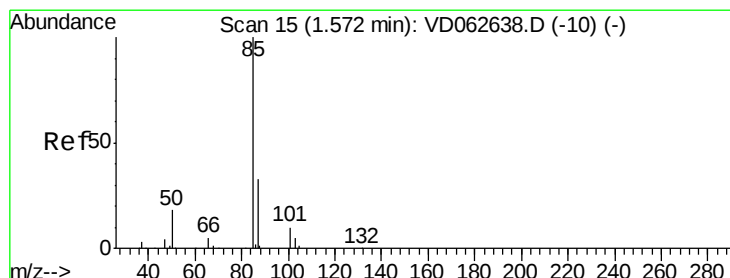
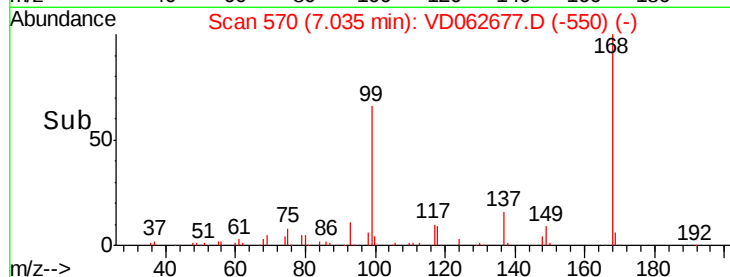
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062677.D

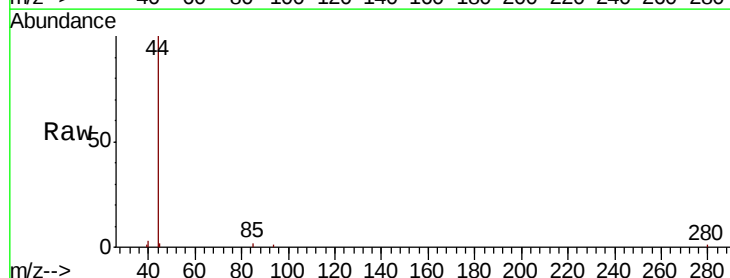
Acq: 12 Jun 2019 16:36

Tgt Ion: 85 Resp: 1207

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

800

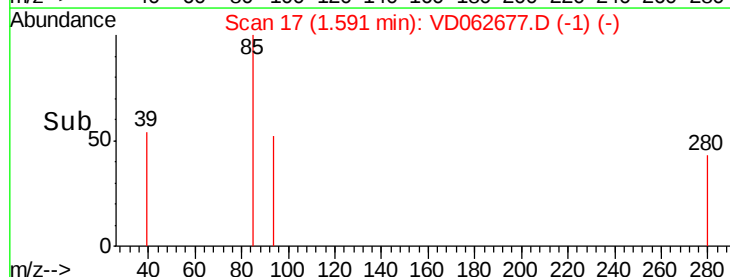
600

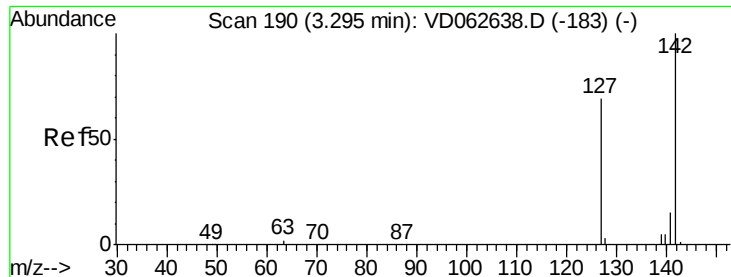
400

200

0

Time-->

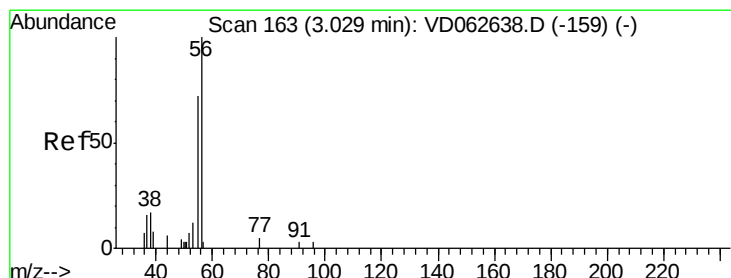
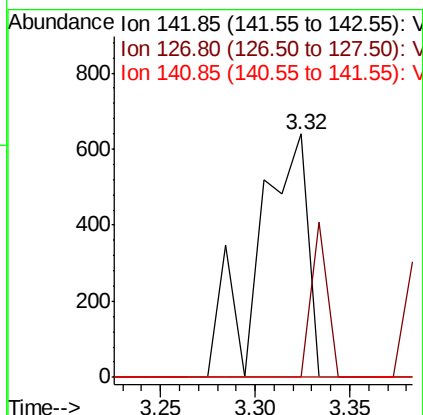
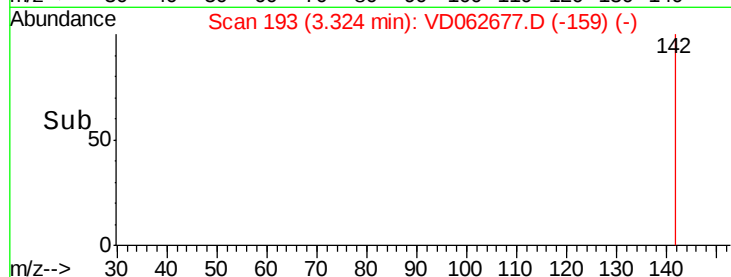
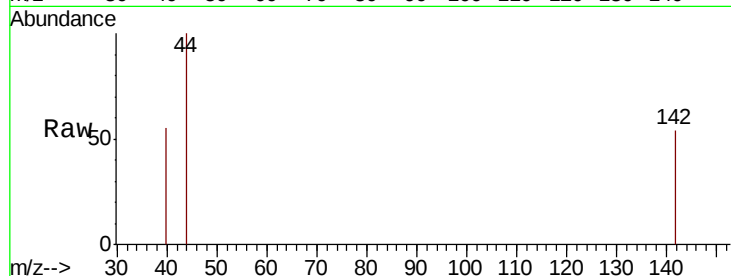




#10
Methyl Iodide
Concen: 4.103 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

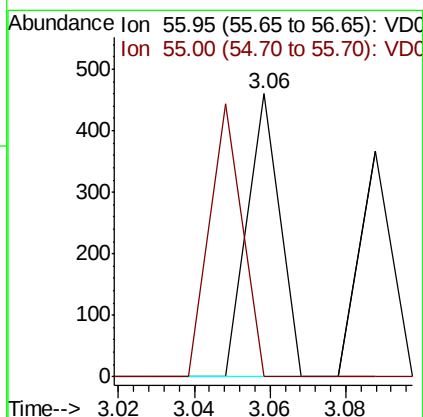
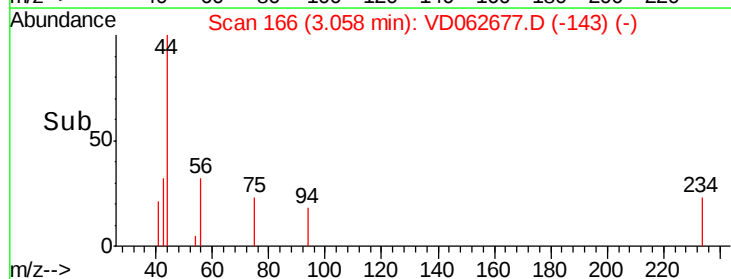
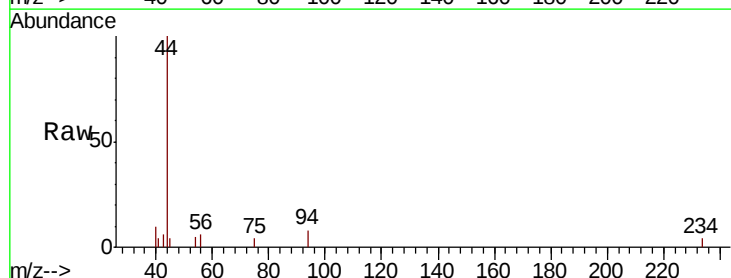
Instrument :
MSVOA_D
ClientSampleId :

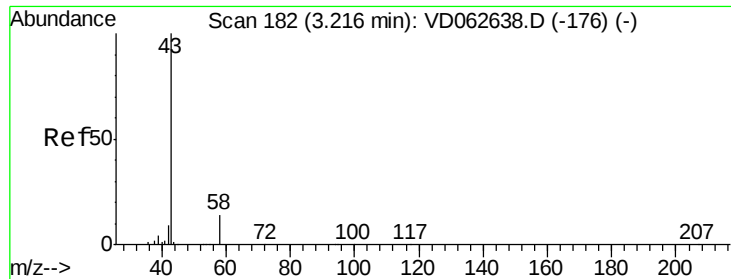
Tot Ion:142 Resp: 1176
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 2.222 ug/l
RT: 3.06 min Scan# 166
Delta R.T. 0.03 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#





#16

Acetone

Concen: 5.332 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062677.D

Acq: 12 Jun 2019 16:36

Instrument :

MSVOA_D

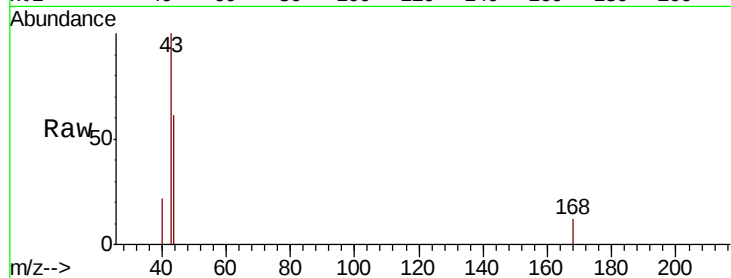
ClientSampleId :

Tot Ion: 43 Resp: 9040

Ion Ratio Lower Upper

43 100

58 0.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

3000

2500

2000

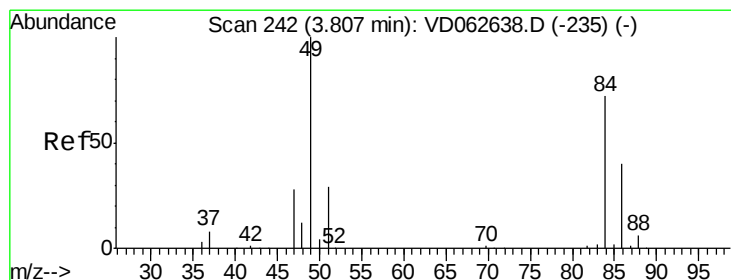
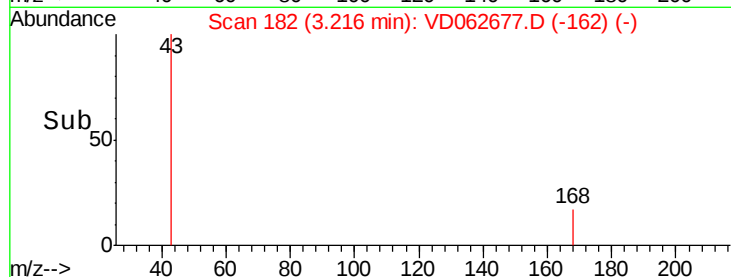
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 1.693 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD062677.D

Acq: 12 Jun 2019 16:36

Tgt Ion: 84 Resp: 13577

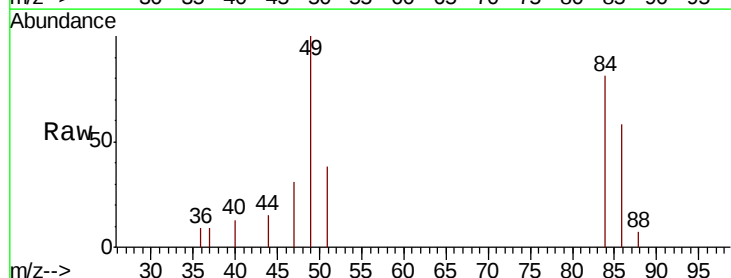
Ion Ratio Lower Upper

84 100

49 124.1 111.2 166.8

51 46.8 31.9 47.9

86 71.5 44.7 67.1#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

12000

10000

8000

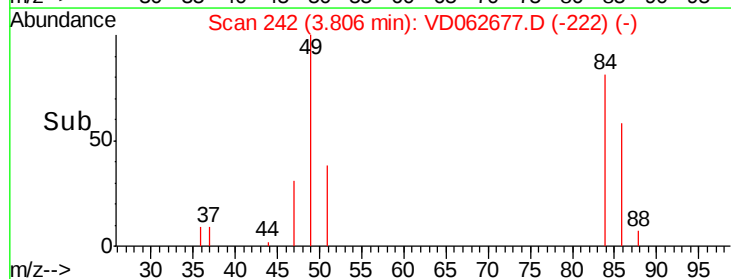
6000

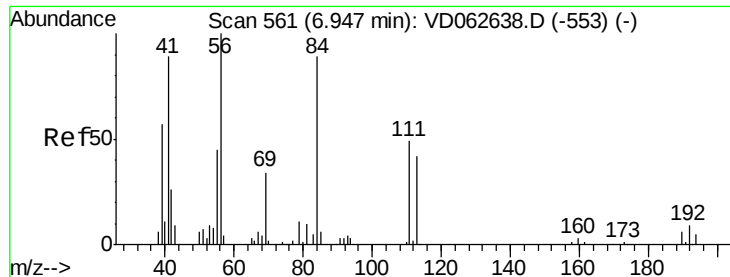
4000

2000

0

Time-->

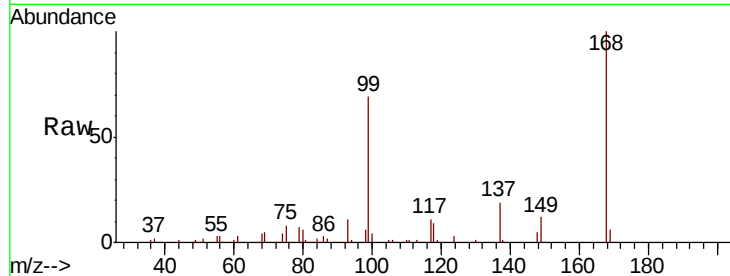




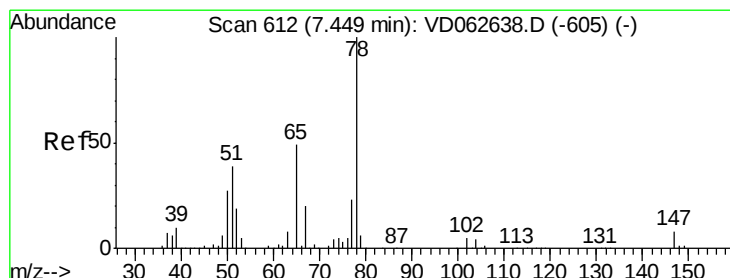
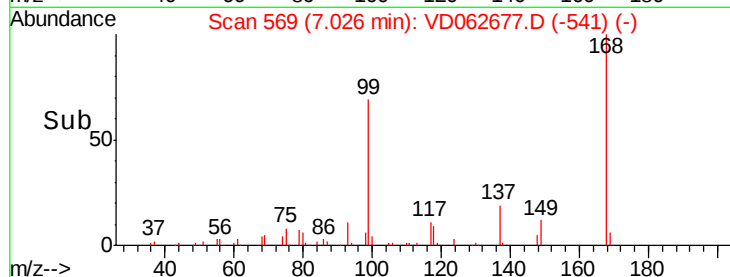
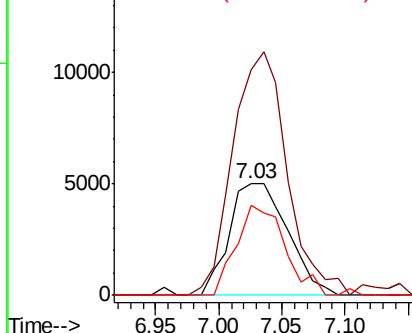
#31
Cyclohexane
Concen: 2.207 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 16125
Ion Ratio Lower Upper
56 100
69 202.1 26.8 40.2#
84 80.7 73.9 110.9

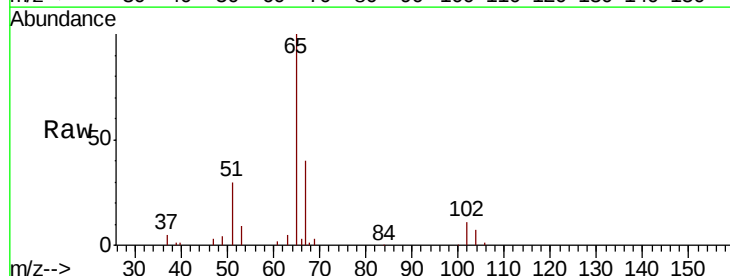


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

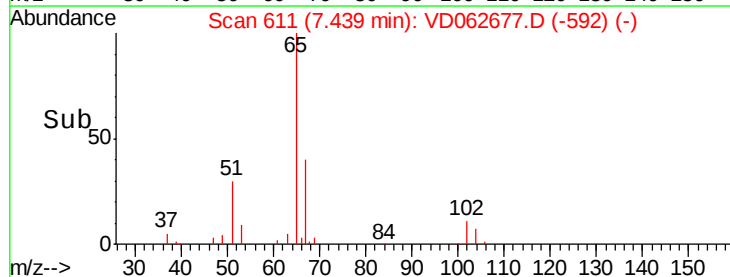
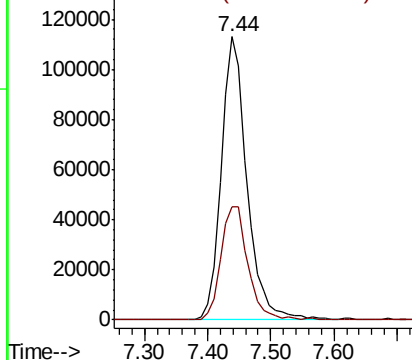


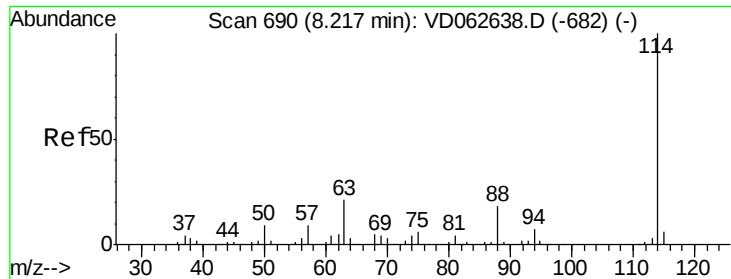
#33
1,2-Dichloroethane-d4
Concen: 34.516 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Tgt Ion: 65 Resp: 319562
Ion Ratio Lower Upper
65 100
67 39.9 0.0 81.8



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

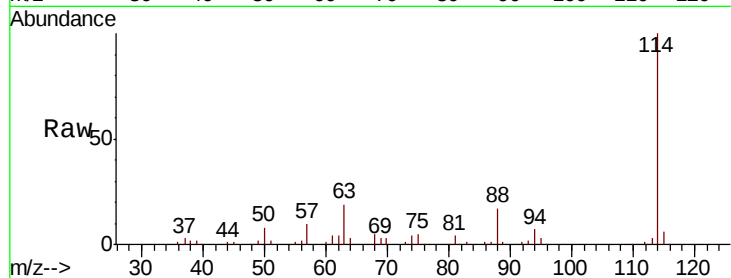




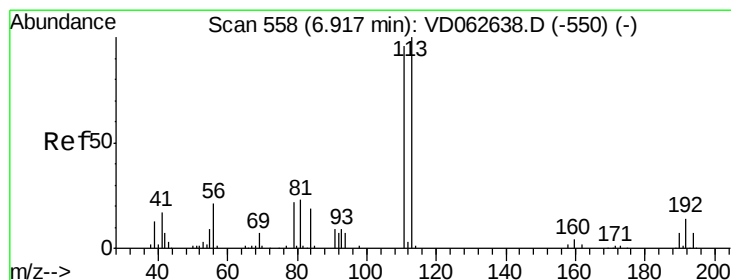
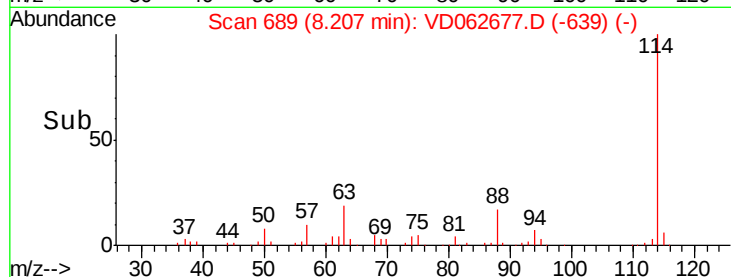
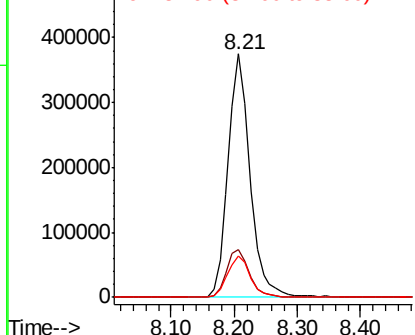
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.01 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 904717
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 16.8 0.0 36.8

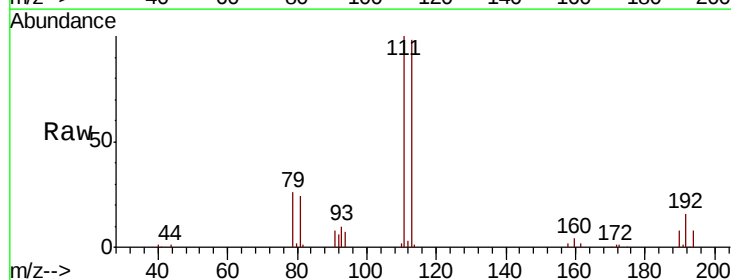


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

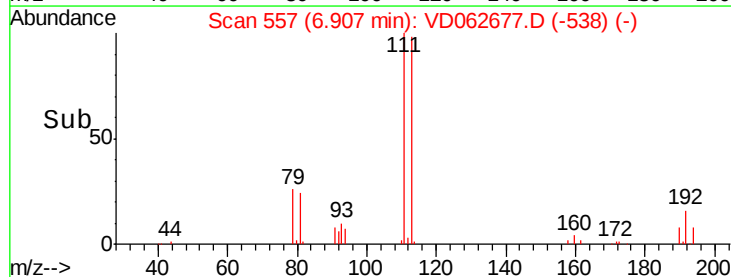
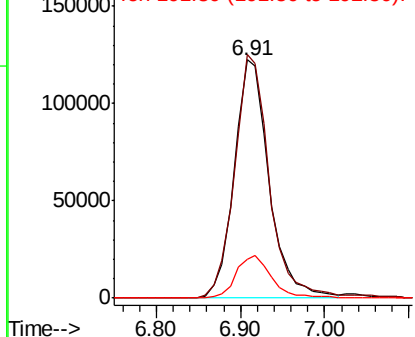


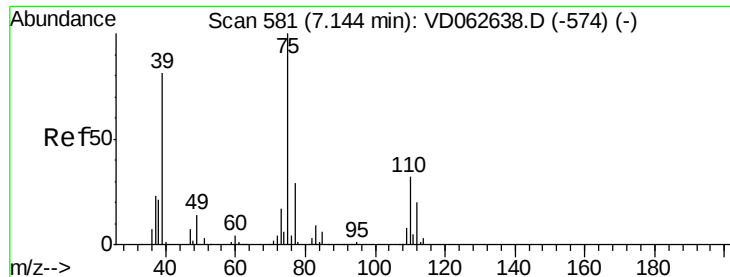
#35
Dibromofluoromethane
Concen: 36.998 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Tgt Ion:113 Resp: 353010
Ion Ratio Lower Upper
113 100
111 102.2 76.4 114.6
192 16.3 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

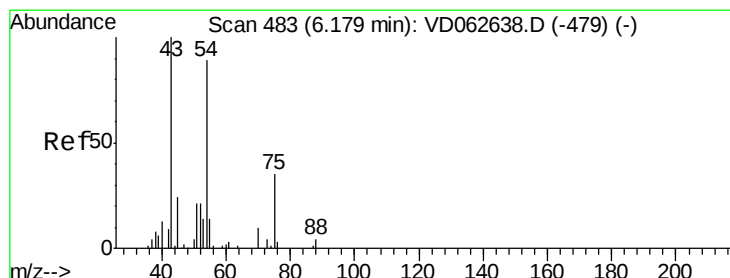
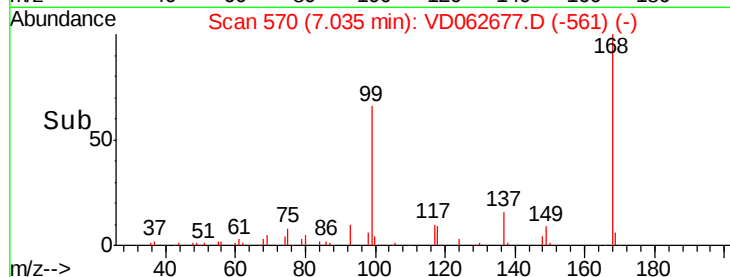
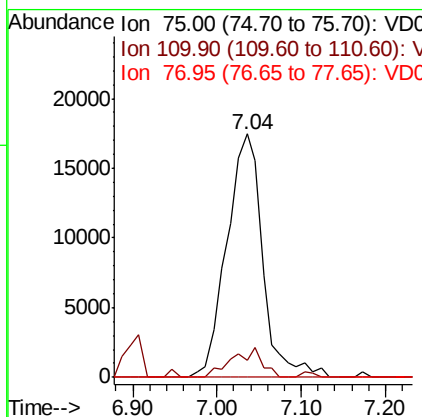
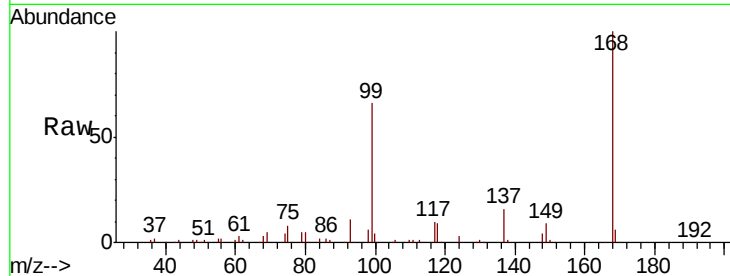




#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062677.D
 Acq: 12 Jun 2019 16:36

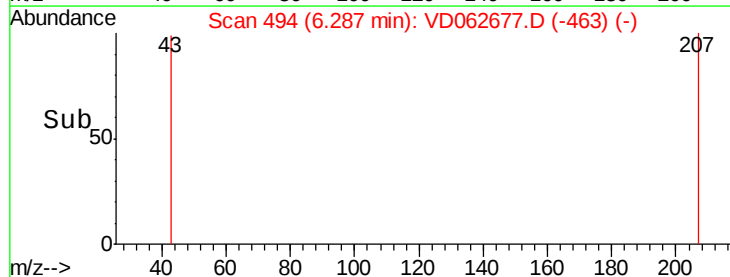
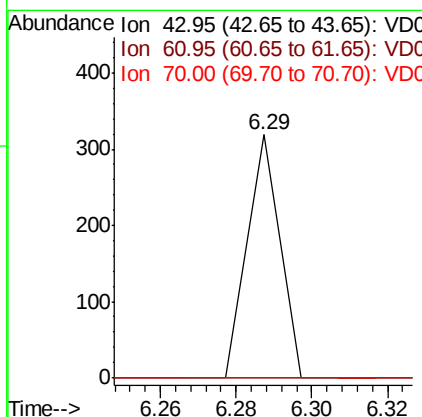
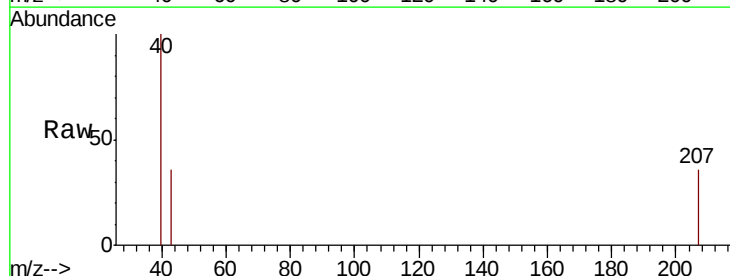
Instrument :
 MSVOA_D
 ClientSampleId :

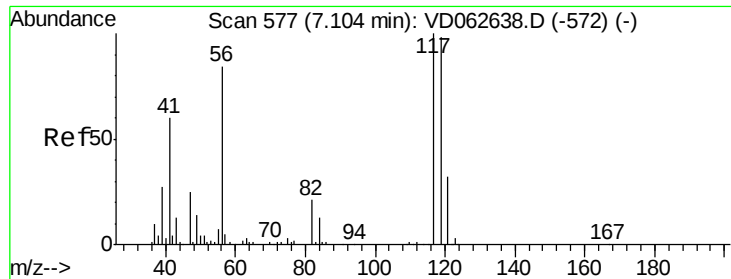
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	15.9	47.7#
77	0.0	23.3	34.9#



#37
 Ethyl Acetate
 Concen: 1.243 ug/l
 RT: 6.29 min Scan# 494
 Delta R.T. 0.11 min
 Lab File: VD062677.D
 Acq: 12 Jun 2019 16:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.7	13.1#
70	0.0	6.5	9.7#

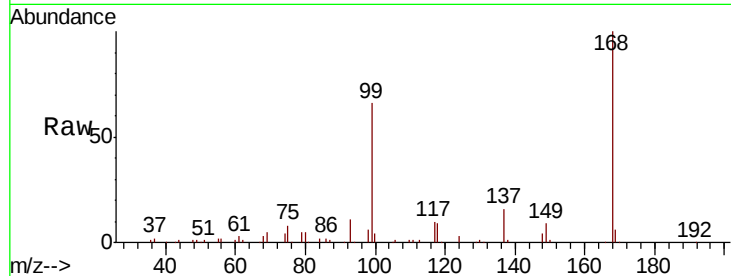




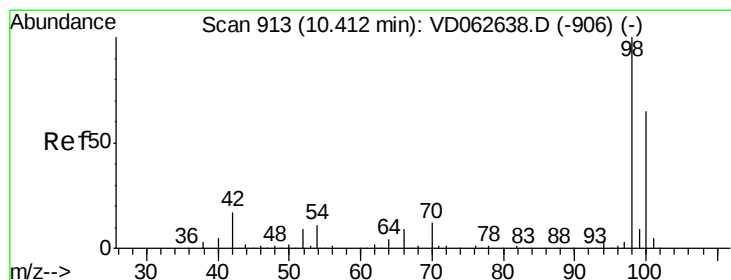
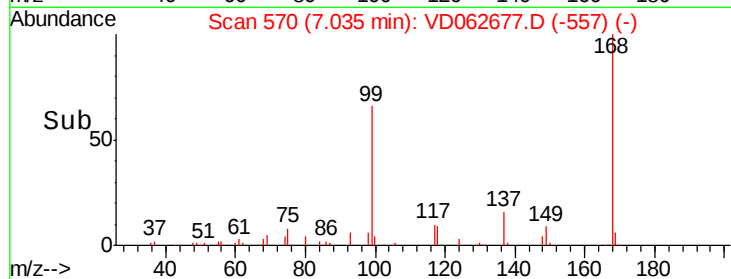
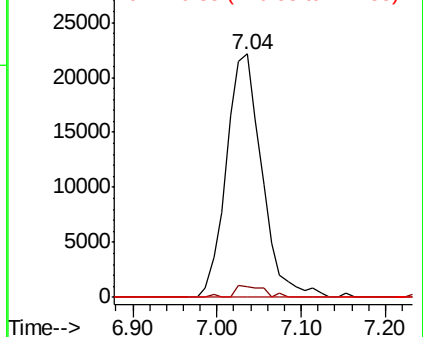
#38
Carbon Tetrachloride
Concen: 3.981 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 65153
Ion Ratio Lower Upper
117 100
119 4.6 73.5 110.3#
121 0.0 24.2 36.4#

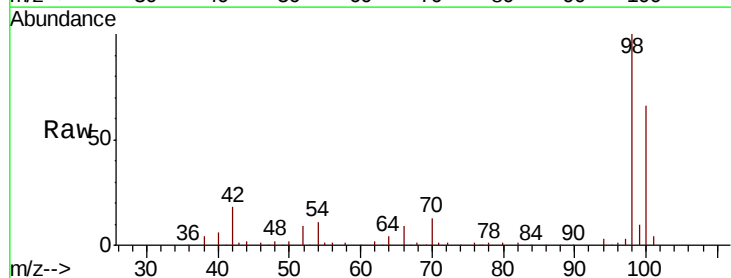


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

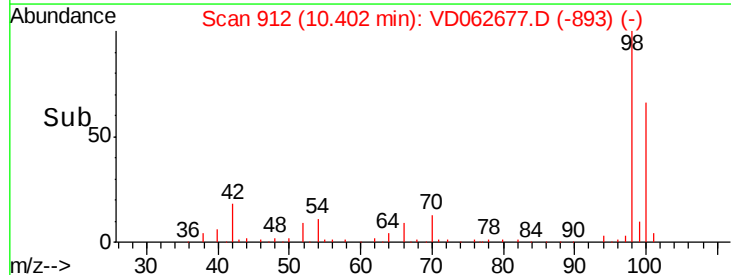
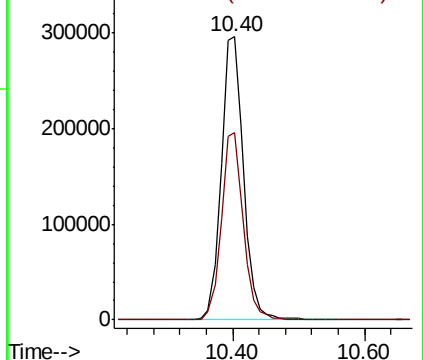


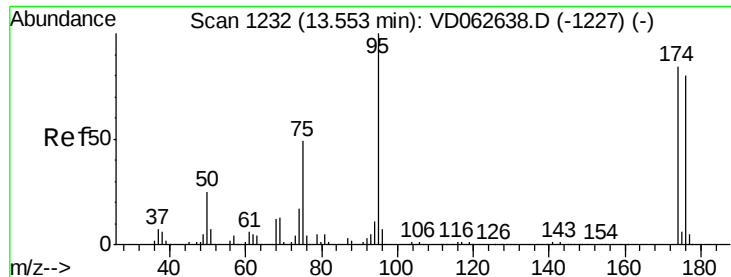
#50
Toluene-d8
Concen: 34.663 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Tgt Ion: 98 Resp: 695752
Ion Ratio Lower Upper
98 100
100 66.2 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: 37.897 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062677.D

Acq: 12 Jun 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

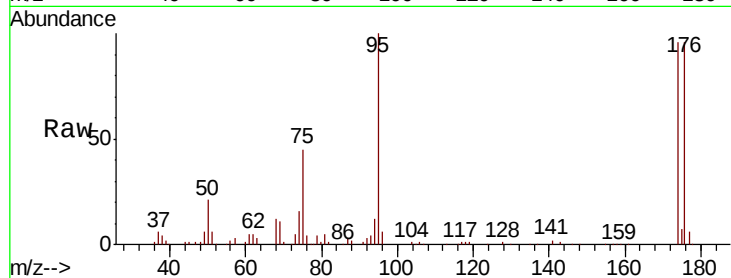
Tot Ion: 95 Resp: 354871

Ion Ratio Lower Upper

95 100

174 95.8 0.0 167.0

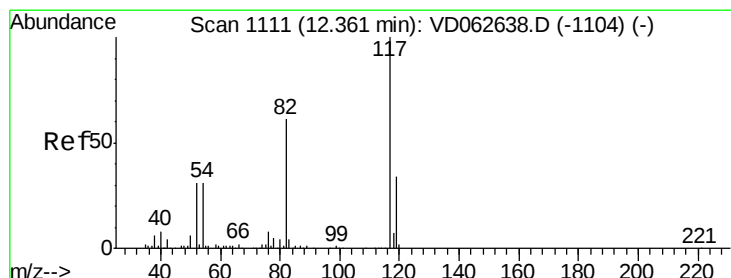
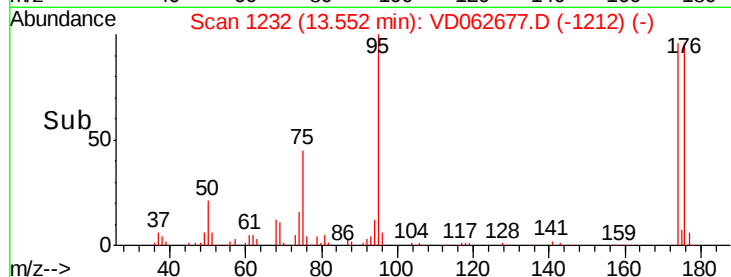
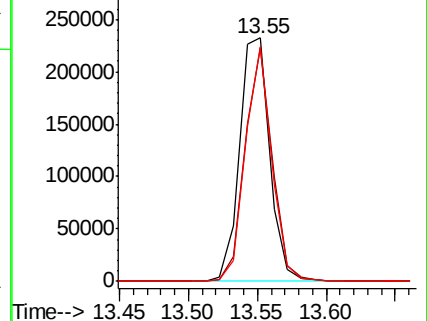
176 96.5 0.0 159.2



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD062677.D

Acq: 12 Jun 2019 16:36

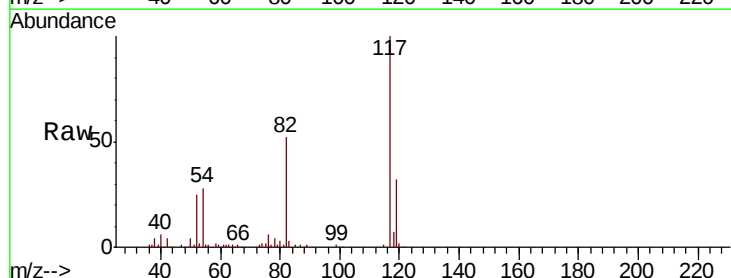
Tgt Ion: 117 Resp: 743558

Ion Ratio Lower Upper

117 100

82 51.8 48.7 73.1

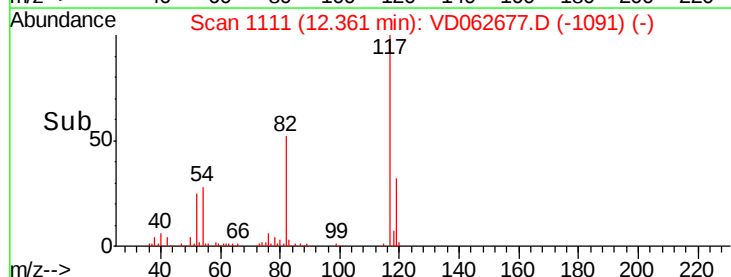
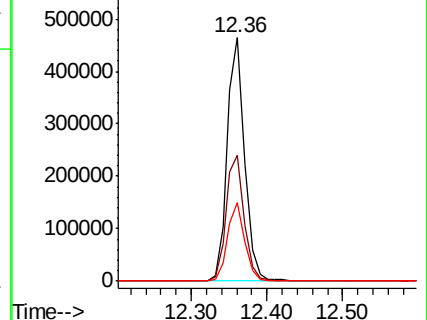
119 32.3 27.0 40.6

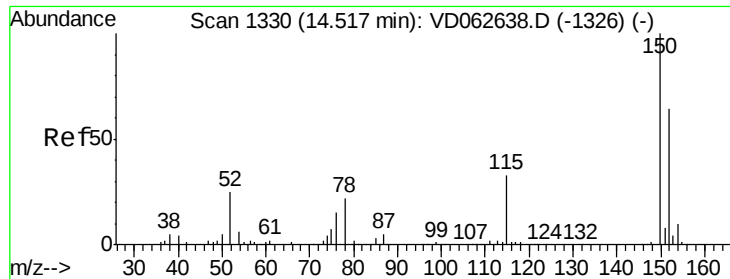


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



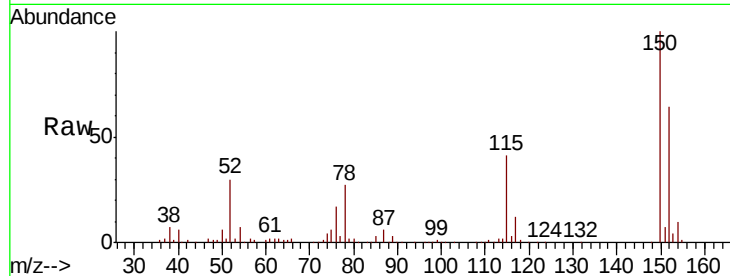


#72

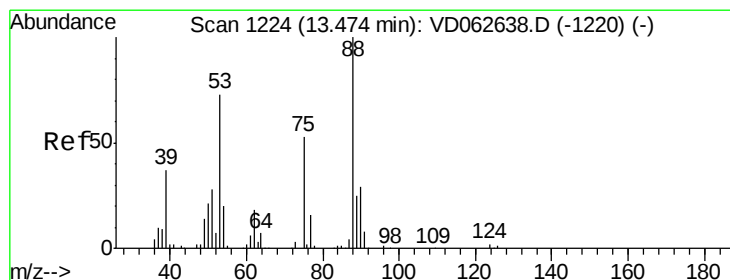
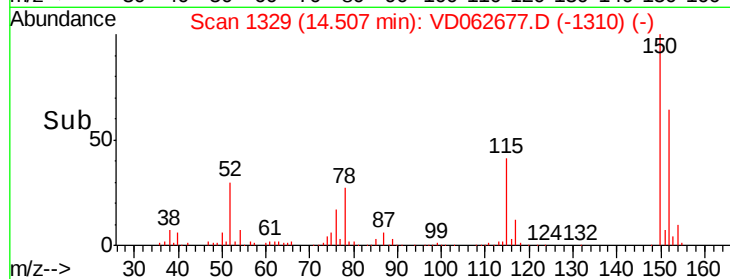
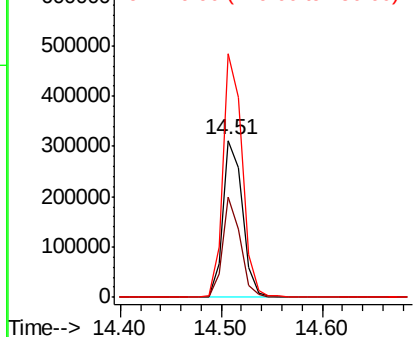
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 422120
Ion Ratio Lower Upper
152 100
115 64.0 30.1 90.5
150 155.1 0.0 314.0



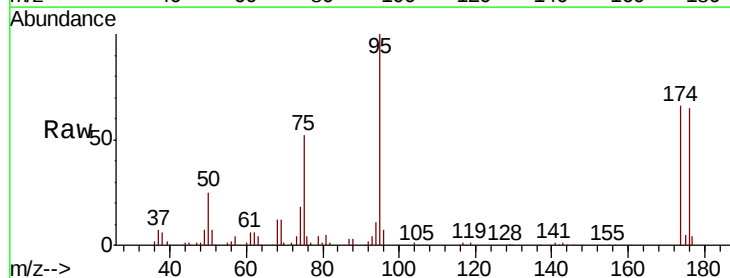
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



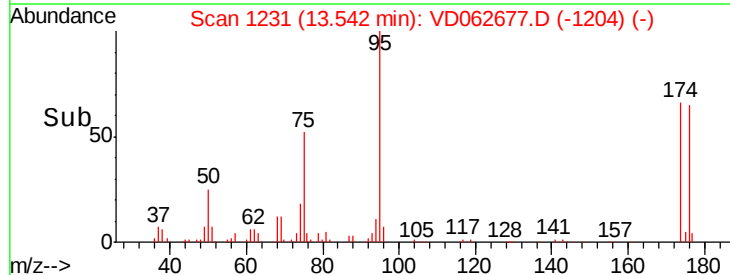
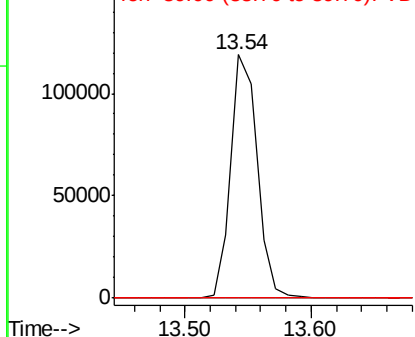
#81

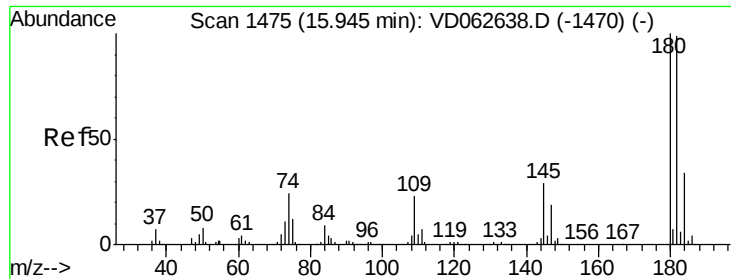
trans-1,4-Dichloro-2-butene
Concen: 97.472 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062677.D
Acq: 12 Jun 2019 16:36

Tgt Ion: 75 Resp: 172251
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

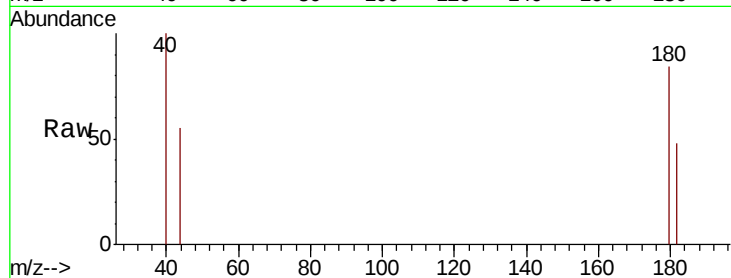




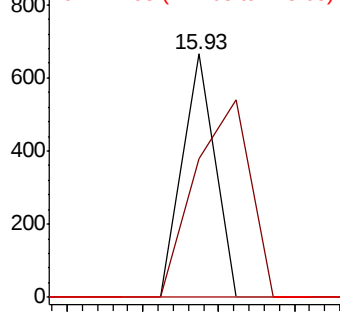
#93
 1,2,4-Trichlorobenzene
 Concen: 3.602 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062677.D
 Acq: 12 Jun 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :

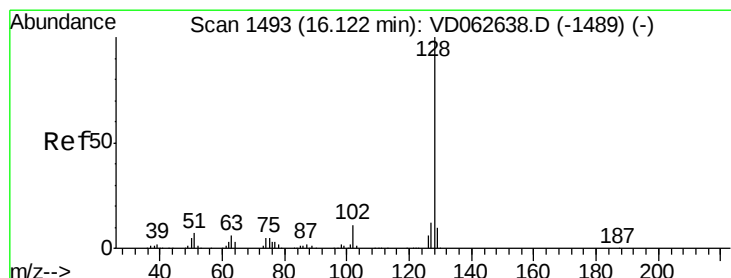
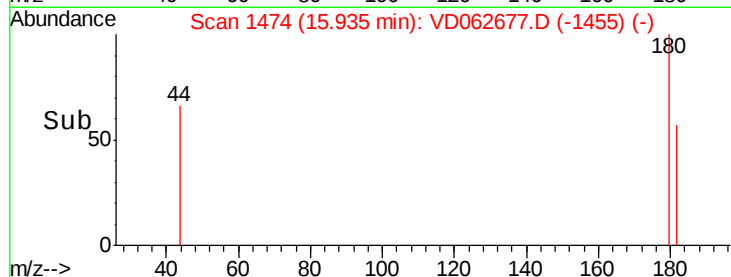
Tot Ion:180 Resp: 393
 Ion Ratio Lower Upper
 180 100
 182 56.8 49.4 148.2
 145 0.0 14.5 43.6#



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

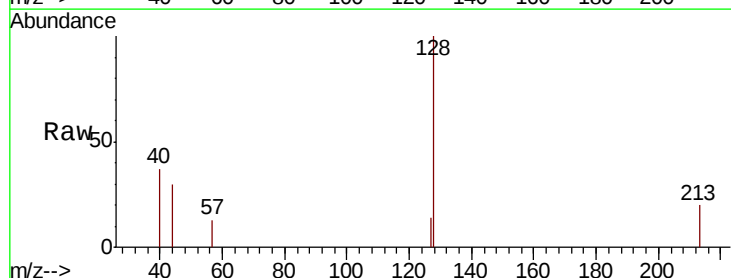


Time--> 15.90 15.92 15.94 15.96

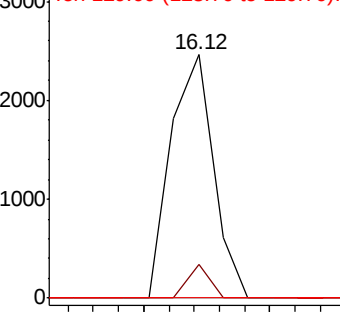


#95
 Naphthalene
 Concen: 3.625 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062677.D
 Acq: 12 Jun 2019 16:36

Tgt Ion:128 Resp: 2888
 Ion Ratio Lower Upper
 128 100
 127 13.9 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



Time--> 16.10 16.15

