

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062768.D
 Acq On : 19 Jun 2019 2:23
 Operator : VA/AP
 Sample : K3163-09
 Misc : 7.76g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 07:04:51 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	726835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1075512	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	851625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	420189	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	344266	32.82	ug/l	0.00
Spiked Amount			Recovery	=	65.64%	
35) Dibromofluoromethane	6.92	113	363811	32.07	ug/l	0.00
Spiked Amount			Recovery	=	64.14%	
50) Toluene-d8	10.41	98	733221	30.73	ug/l	0.00
Spiked Amount			Recovery	=	61.46%	
62) 4-Bromofluorobenzene	13.56	95	308906	27.75	ug/l	0.00
Spiked Amount			Recovery	=	55.50%	

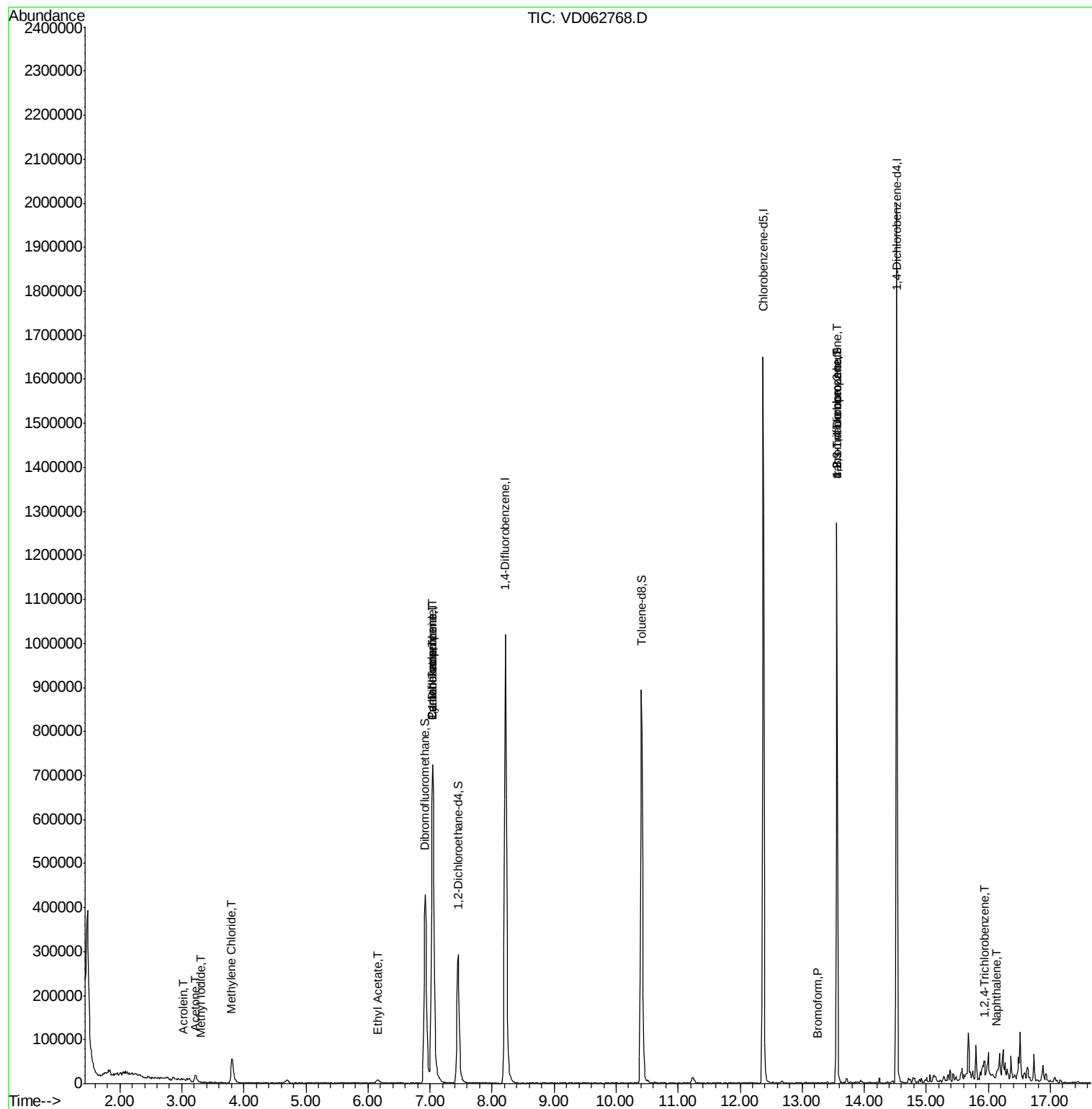
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.30	142	239	4.026	ug/l #	70
13) Acrolein	3.02	56	245	1.767	ug/l #	70
16) Acetone	3.21	43	37278	19.410	ug/l #	80
20) Methylene Chloride	3.81	84	34749	4.386	ug/l #	92
31) Cyclohexane	7.05	56	15931	1.925	ug/l #	10
36) 1,1-Dichloropropene	7.03	75	58197	4.728	ug/l #	55
37) Ethyl Acetate	6.17	43	702	1.331	ug/l #	46
38) Carbon Tetrachloride	7.04	117	74474	3.828	ug/l #	18
71) Bromoform	13.24	173	224	2.862	ug/l #	38
76) 1,2,3-Trichloropropane	13.56	75	114254	20.054	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	156027	89.048	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	1839	3.726	ug/l #	55
95) Naphthalene	16.13	128	7594	3.913	ug/l #	80

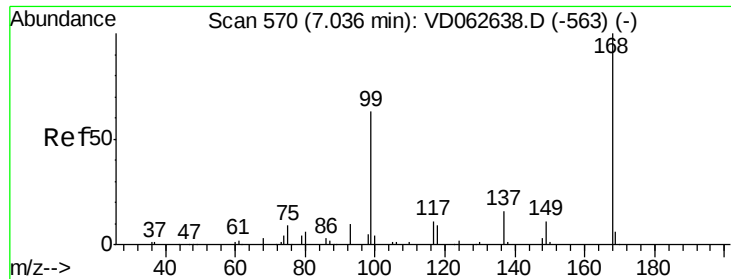
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062768.D
Acq On : 19 Jun 2019 2:23
Operator : VA/AP
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ClientSampleId :

Quant Time: Jun 19 07:04:51 2019
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. 0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

Instrument :

MSVOA_D

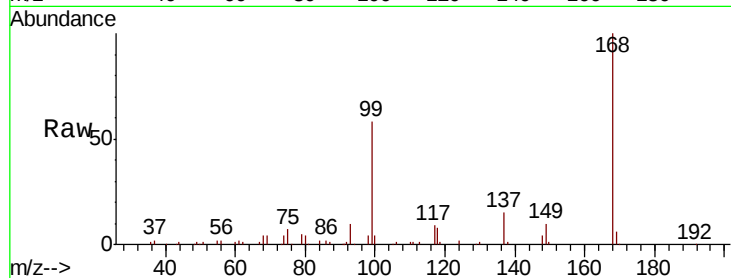
ClientSampleId :

Tot Ion:168 Resp: 726835

Ion Ratio Lower Upper

168 100

99 58.5 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

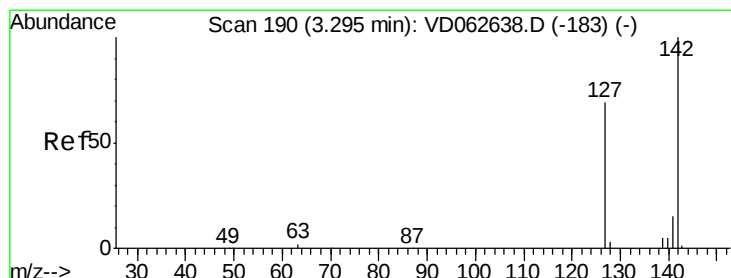
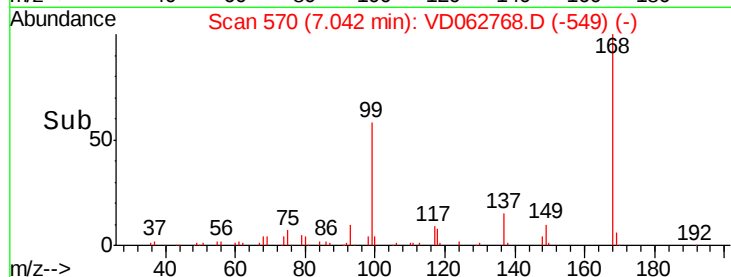
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 4.026 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

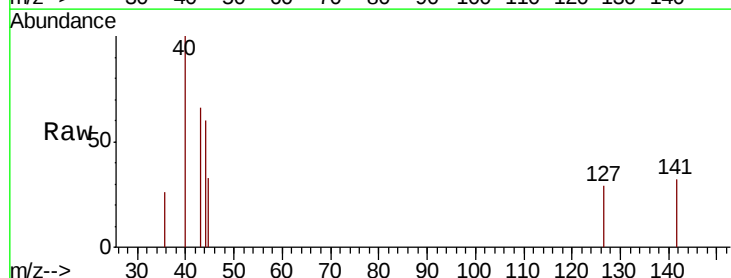
Tgt Ion:142 Resp: 239

Ion Ratio Lower Upper

142 100

127 92.3 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

800

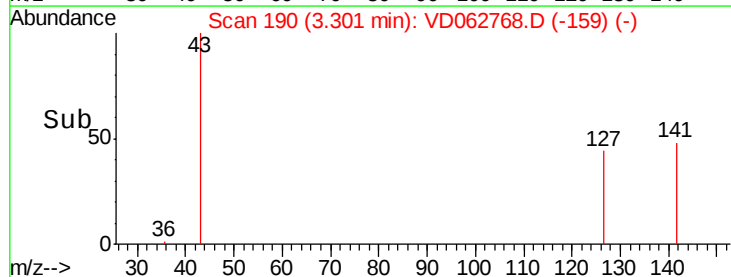
600

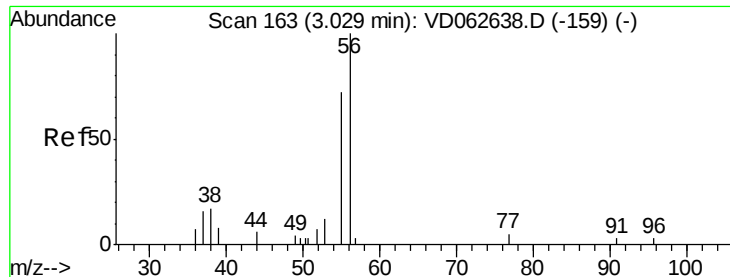
400

200

0

Time-->





#13

Acrolein

Concen: 1.767 ug/l

RT: 3.02 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

Instrument :

MSVOA_D

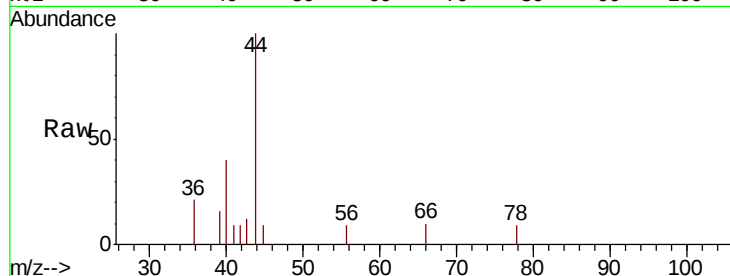
ClientSampleId :

Tot Ion: 56 Resp: 245

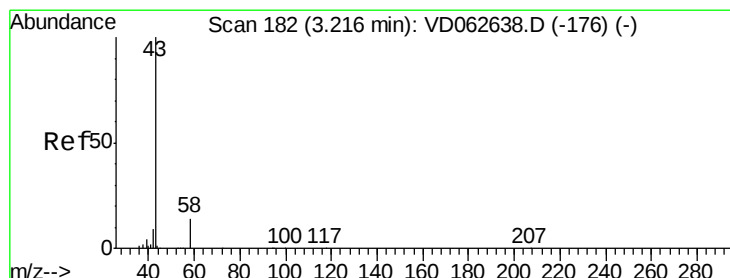
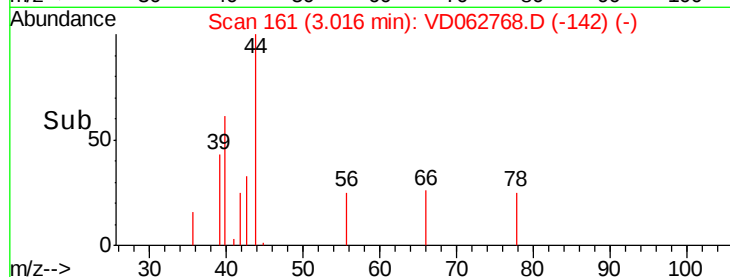
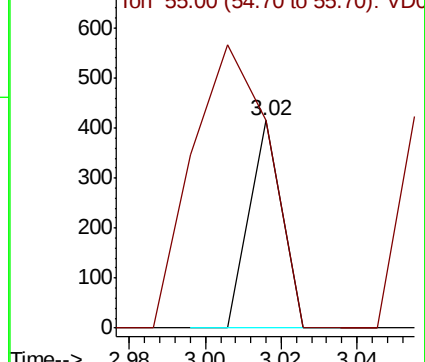
Ion Ratio Lower Upper

56 100

55 100.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC



#16

Acetone

Concen: 19.410 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD062768.D

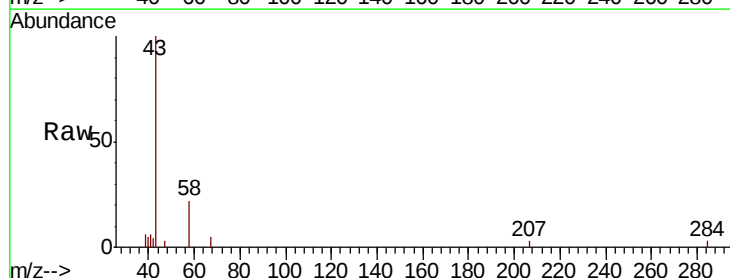
Acq: 19 Jun 2019 2:23

Tgt Ion: 43 Resp: 37278

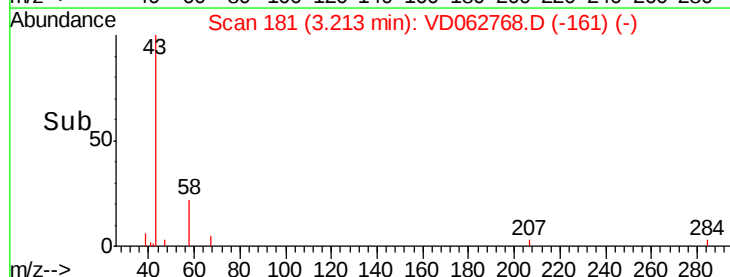
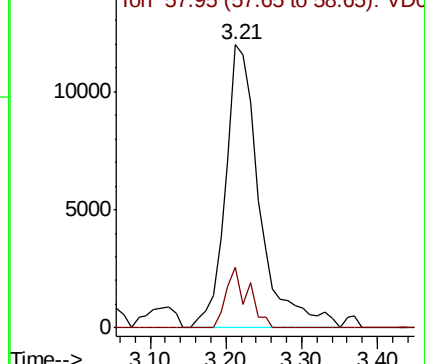
Ion Ratio Lower Upper

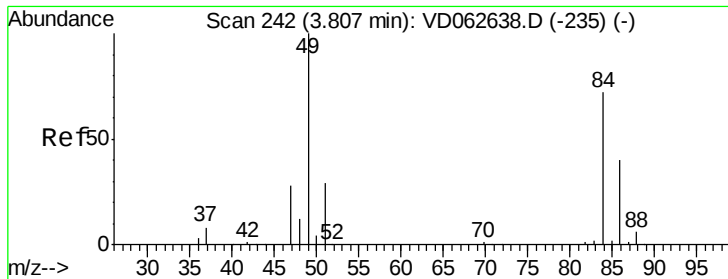
43 100

58 21.6 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

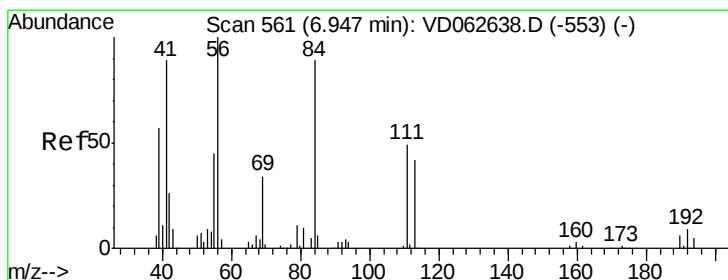
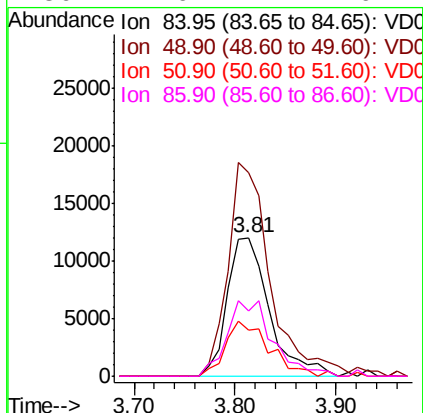
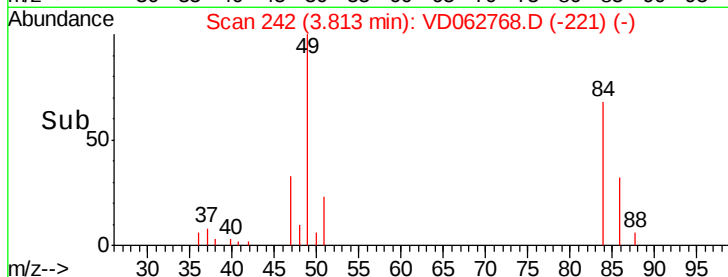
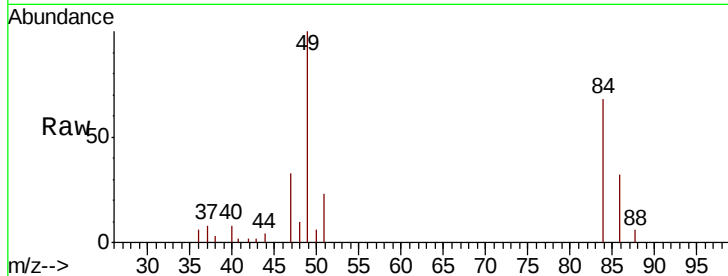




#20
Methvlene Chloride
Concen: 4.386 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

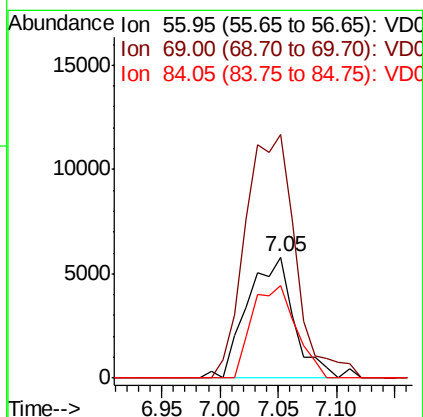
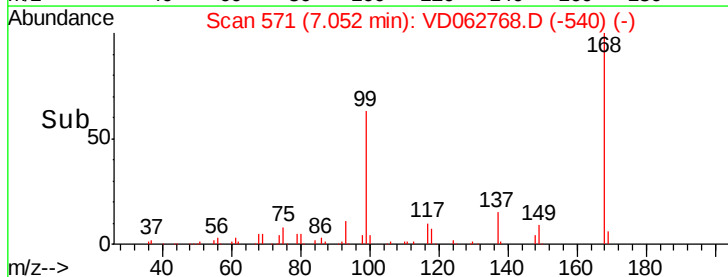
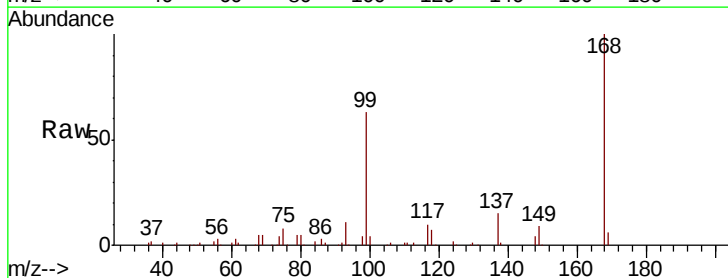
Instrument :
MSVOA_D
ClientSampled :

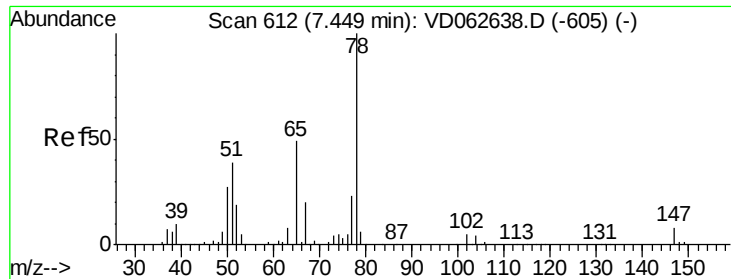
Tot Ion: 84 Resp: 34749
Ion Ratio Lower Upper
84 100
49 146.4 111.2 166.8
51 33.7 31.9 47.9
86 47.6 44.7 67.1



#31
Cyclohexane
Concen: 1.925 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Tgt Ion: 56 Resp: 15931
Ion Ratio Lower Upper
56 100
69 201.3 26.8 40.2#
84 77.0 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 32.824 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

Instrument :

MSVOA_D

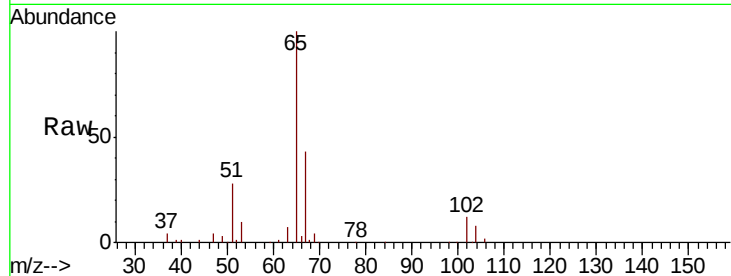
ClientSampleId :

Tot Ion: 65 Resp: 344266

Ion Ratio Lower Upper

65 100

67 43.4 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

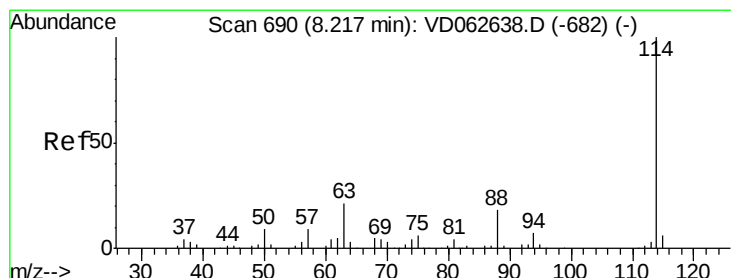
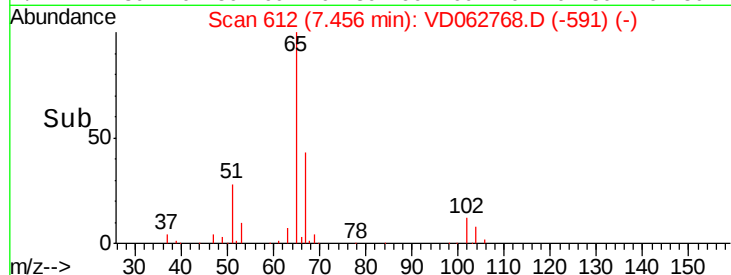
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

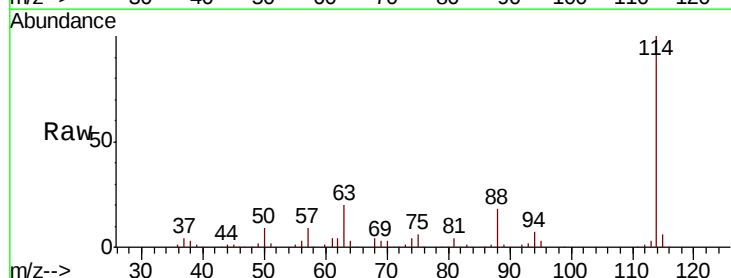
Tgt Ion: 114 Resp: 1075512

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 18.0 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

8.21

500000

400000

300000

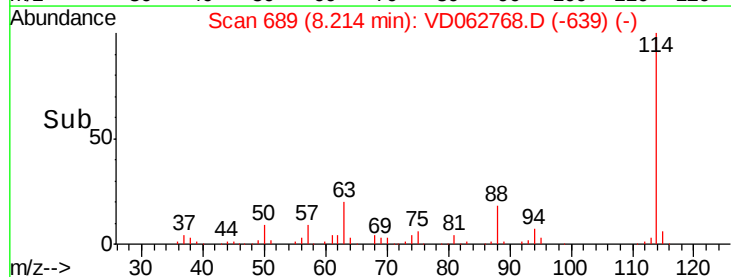
200000

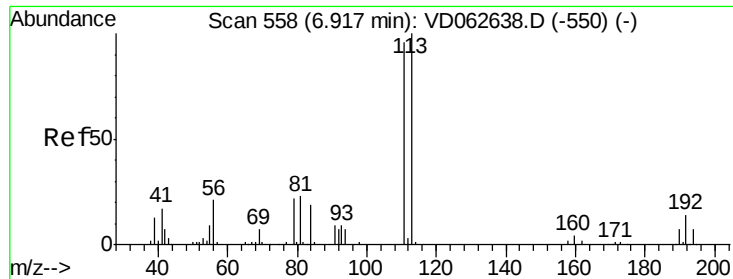
100000

0

Time-->

8.10 8.20 8.30 8.40

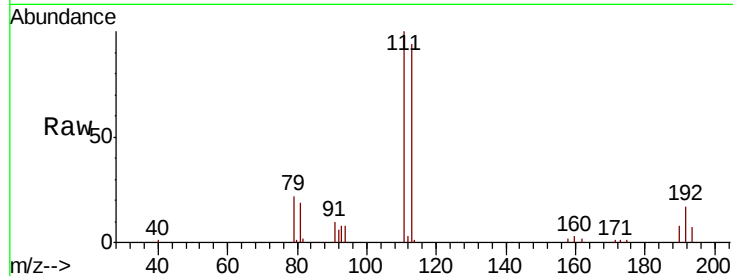




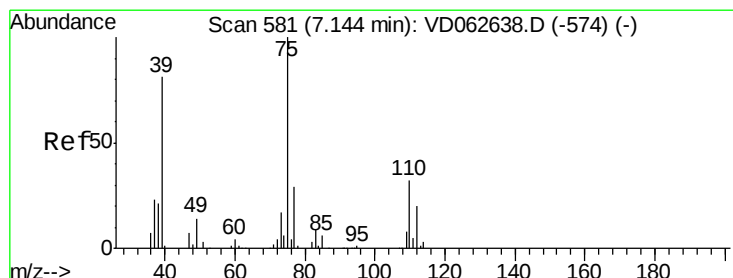
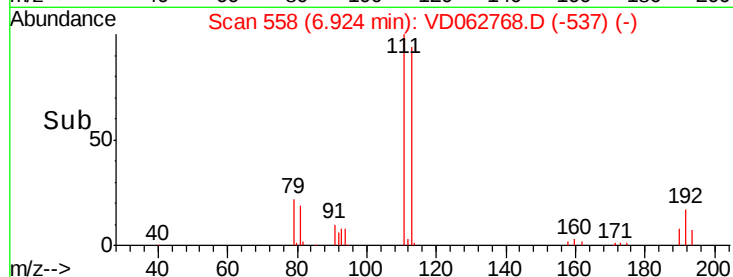
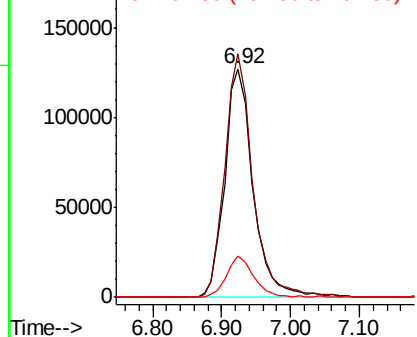
#35
 Dibromofluoromethane
 Concen: 32.074 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD062768.D
 Acq: 19 Jun 2019 2:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 363811
 Ion Ratio Lower Upper
 113 100
 111 106.6 76.4 114.6
 192 18.4 11.4 17.0#

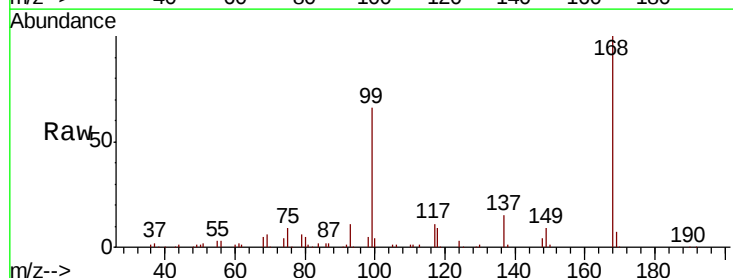


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

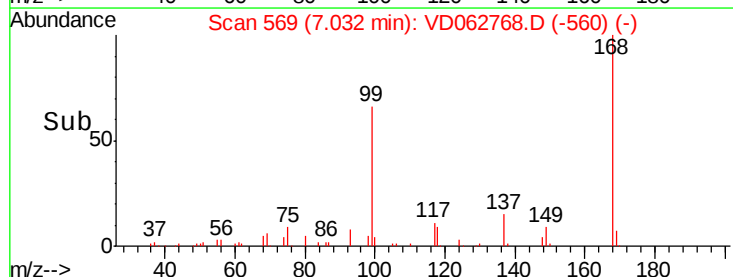
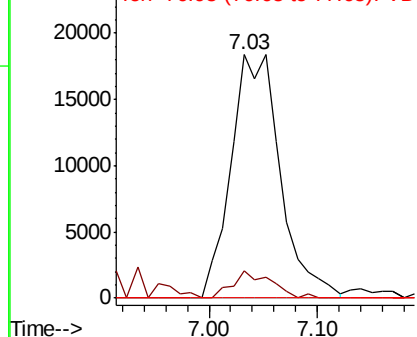


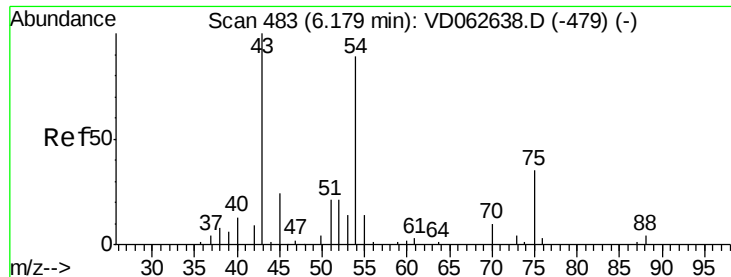
#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD062768.D
 Acq: 19 Jun 2019 2:23

Tgt Ion: 75 Resp: 58197
 Ion Ratio Lower Upper
 75 100
 110 11.3 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): V
 Ion 76.95 (76.65 to 77.65): VDC

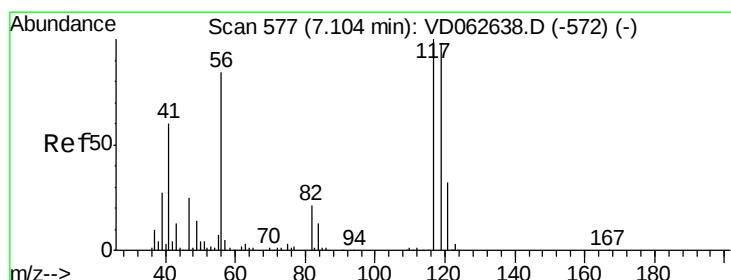
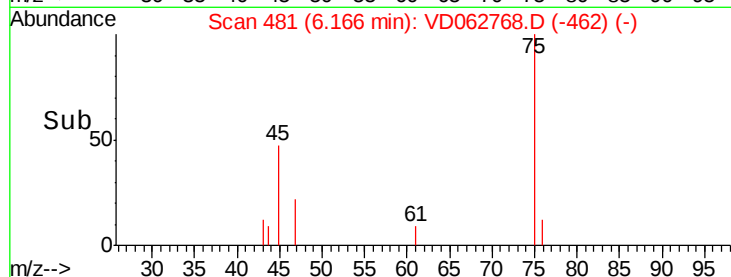
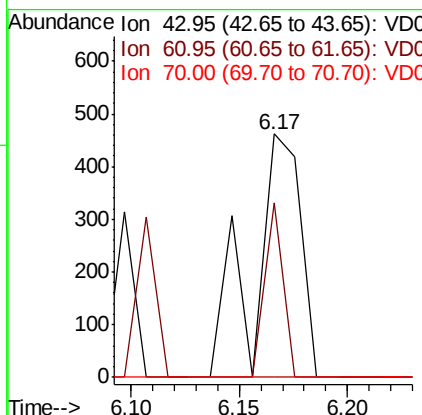
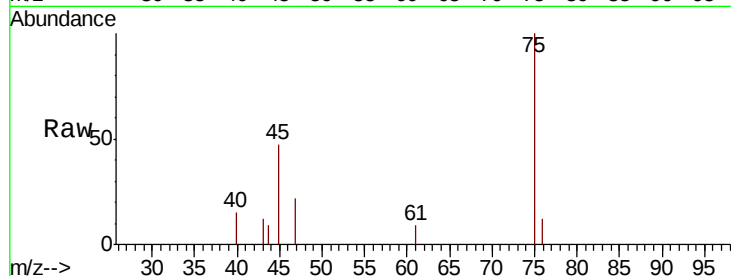




#37
Ethyl Acetate
Concen: 1.331 ug/l
RT: 6.17 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

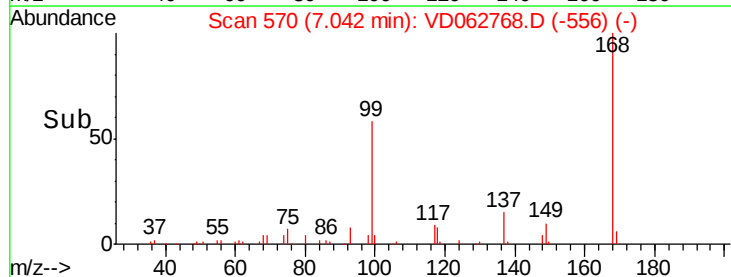
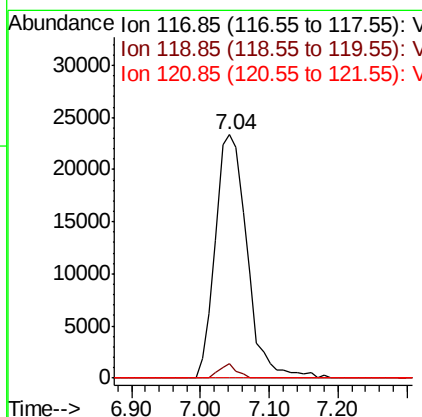
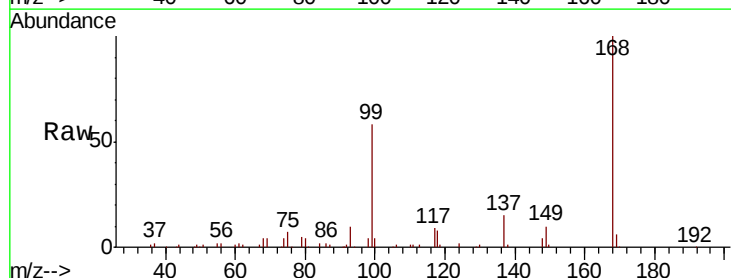
Instrument :
MSVOA_D
ClientSampleID :

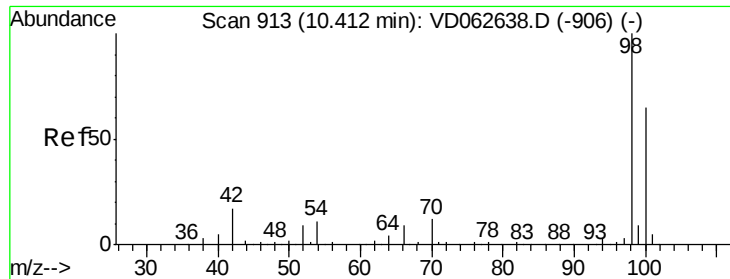
Tot Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
61 40.2 8.7 13.1#
70 0.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 3.828 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Tgt Ion: 117 Resp: 74474
Ion Ratio Lower Upper
117 100
119 5.8 73.5 110.3#
121 0.0 24.2 36.4#

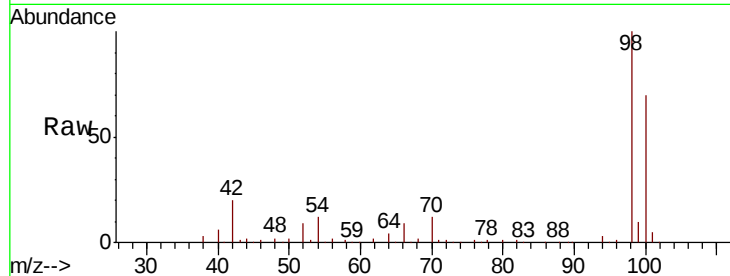




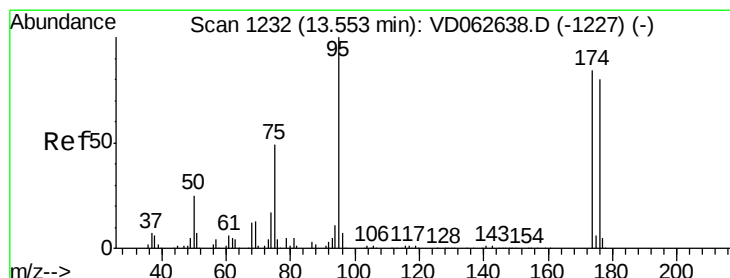
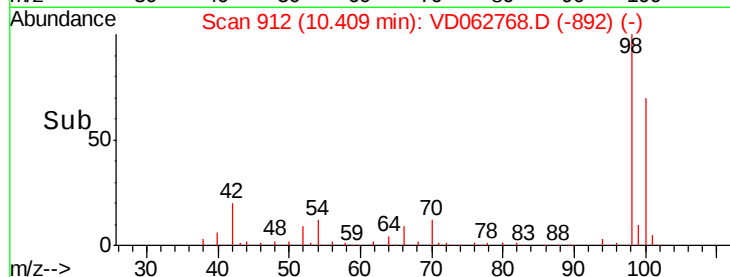
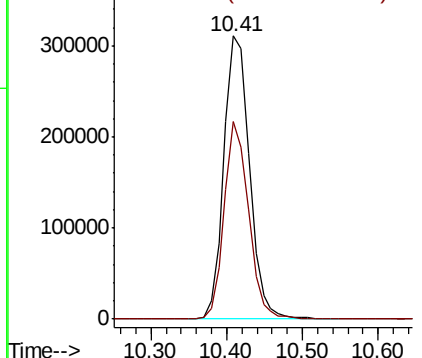
#50
Toluene-d8
Concen: 30.729 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 733221
Ion Ratio Lower Upper
98 100
100 70.0 52.1 78.1

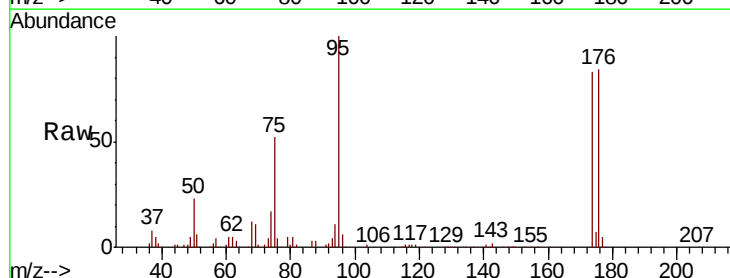


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

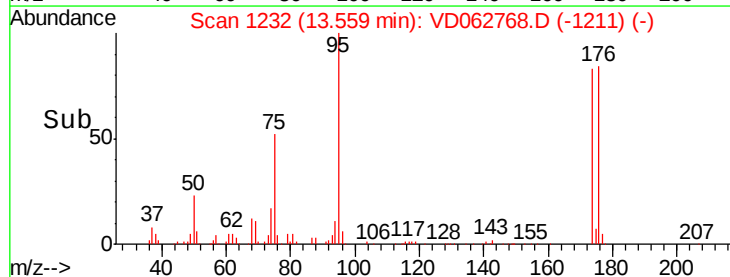
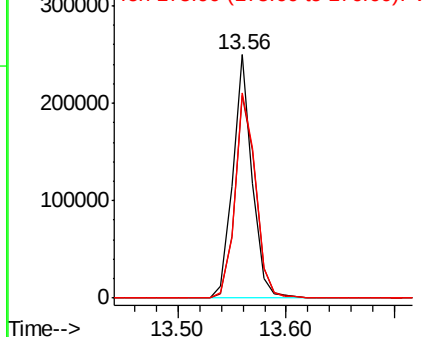


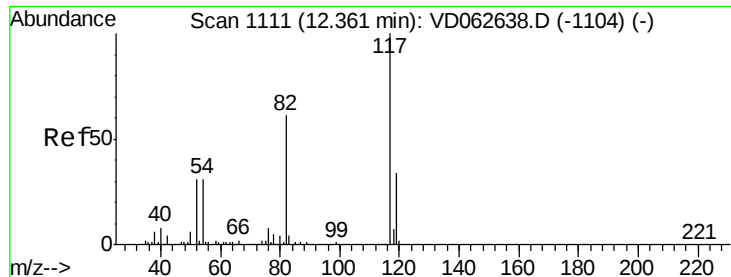
#62
4-Bromofluorobenzene
Concen: 27.749 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Tgt Ion: 95 Resp: 308906
Ion Ratio Lower Upper
95 100
174 83.0 0.0 167.0
176 84.4 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

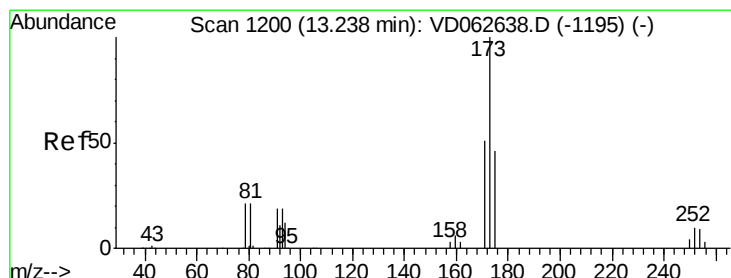
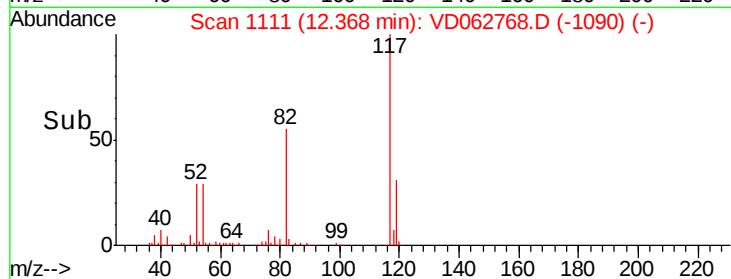
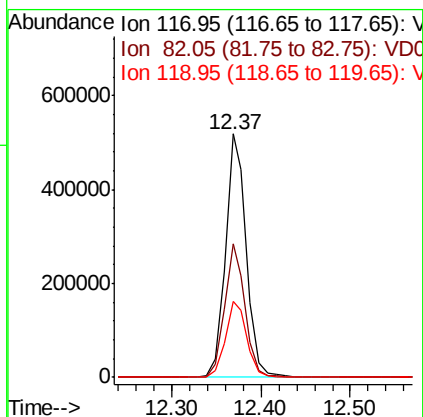
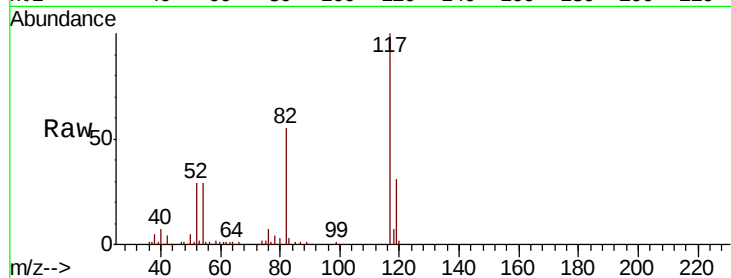




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

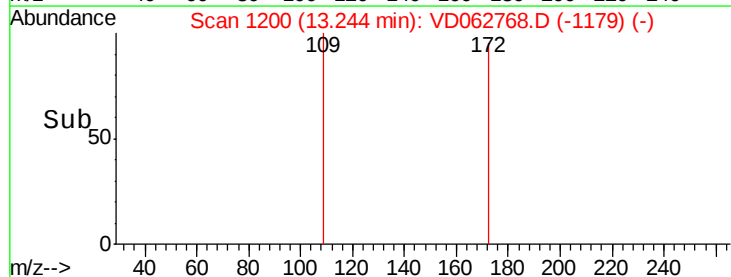
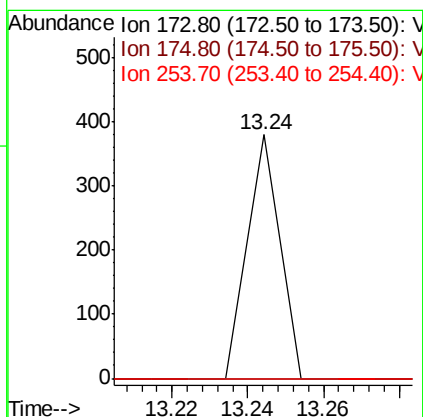
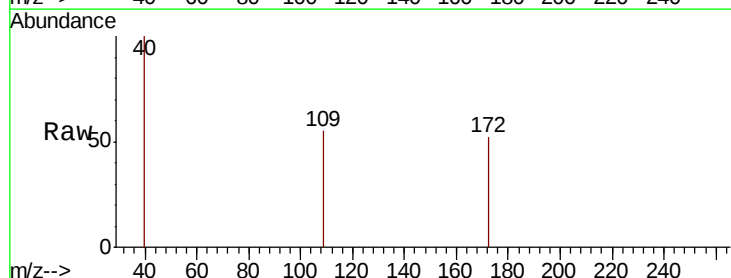
Instrument :
MSVOA_D
ClientSampleId :

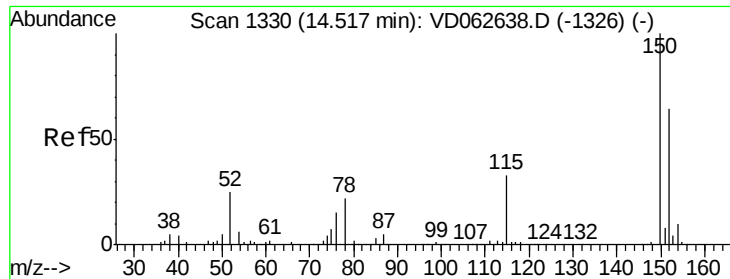
Tot Ion:117 Resp: 851625
Ion Ratio Lower Upper
117 100
82 54.6 48.7 73.1
119 31.0 27.0 40.6



#71
Bromoform
Concen: 2.862 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Tgt Ion:173 Resp: 224
Ion Ratio Lower Upper
173 100
175 0.0 22.9 68.7#
254 0.0 7.0 10.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

Instrument :

MSVOA_D

ClientSampleId :

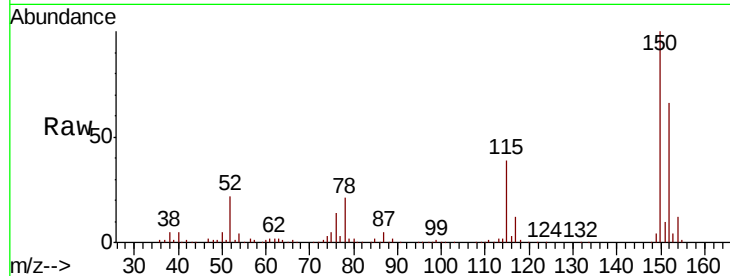
Tot Ion:152 Resp: 420189

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

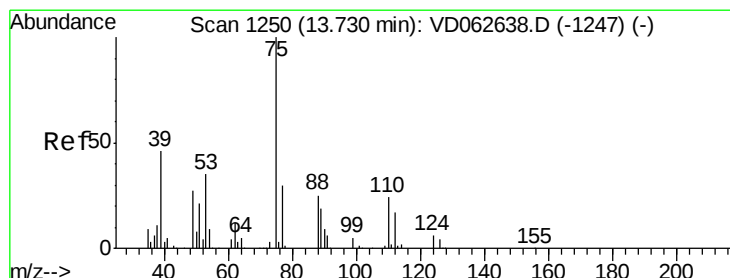
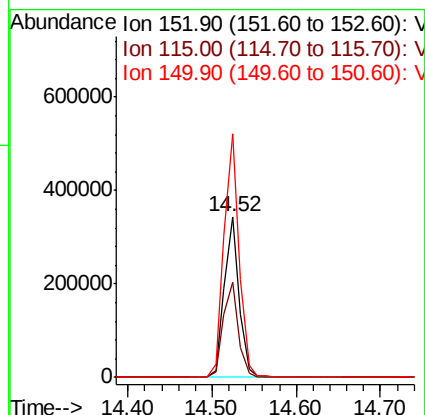
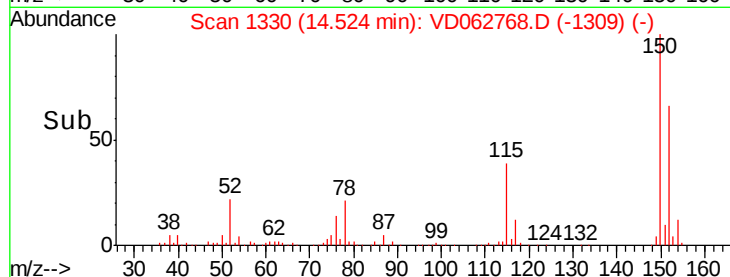
150 151.2 0.0 314.0



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



#76

1,2,3-Trichloropropane

Concen: 20.054 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062768.D

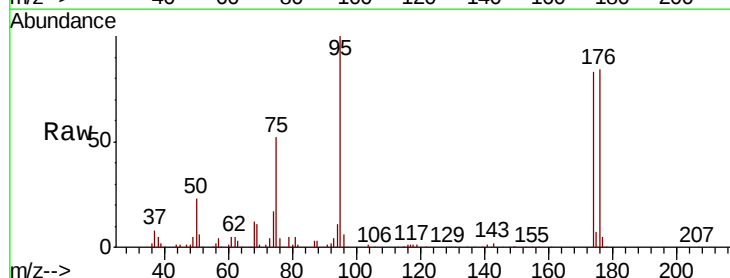
Acq: 19 Jun 2019 2:23

Tgt Ion: 75 Resp: 114254

Ion Ratio Lower Upper

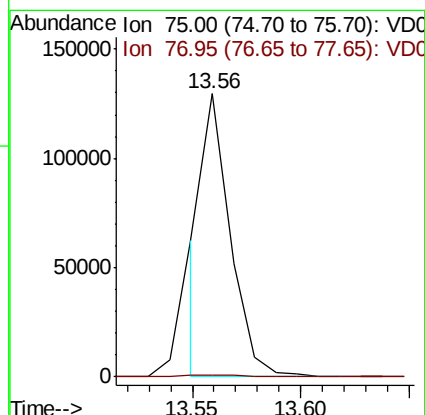
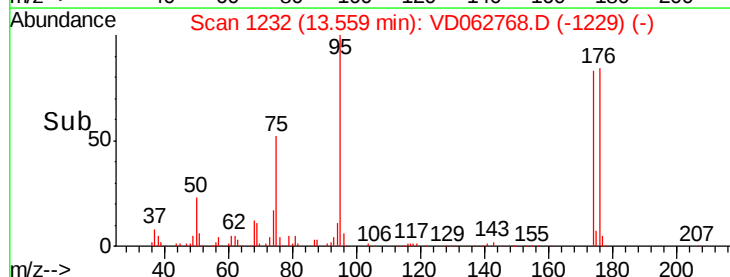
75 100

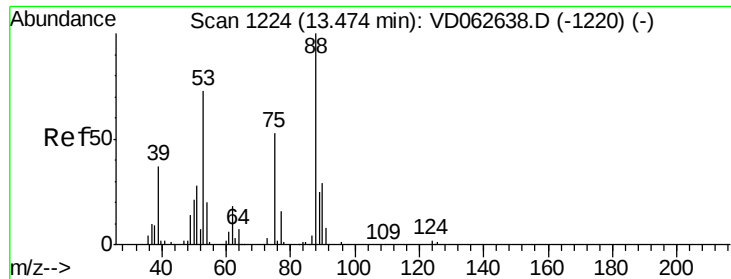
77 0.8 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 89.048 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

Instrument :

MSVOA_D

ClientSampleId :

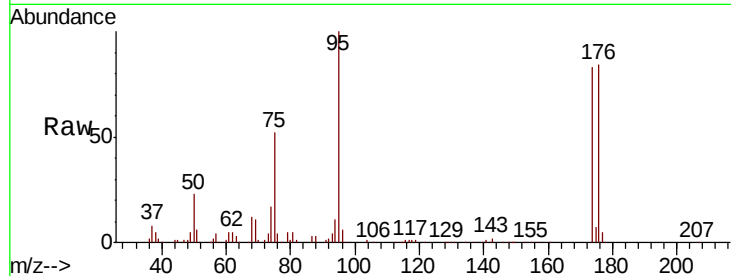
Tot Ion: 75 Resp: 156027

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

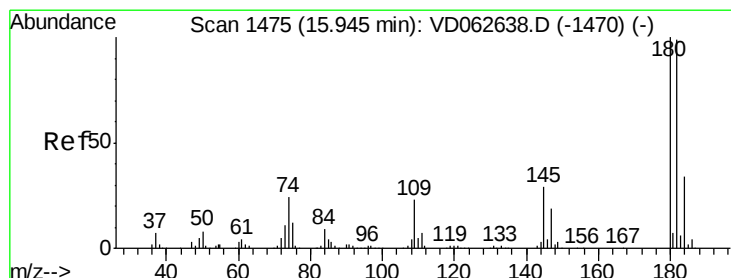
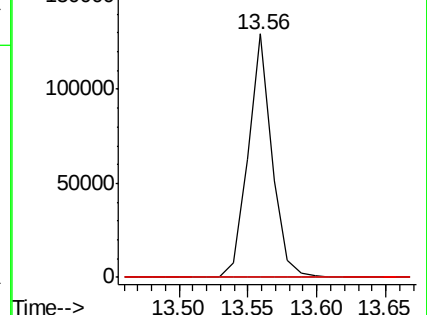
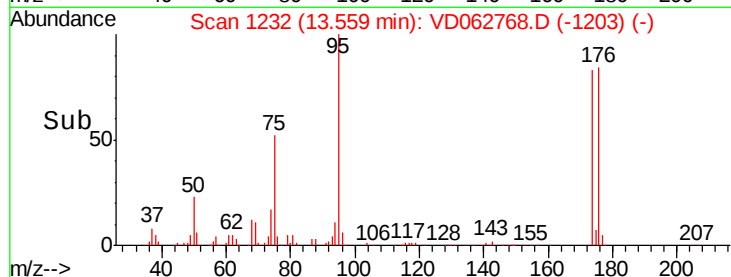
89 0.0 37.0 55.6#



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: 3.726 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD062768.D

Acq: 19 Jun 2019 2:23

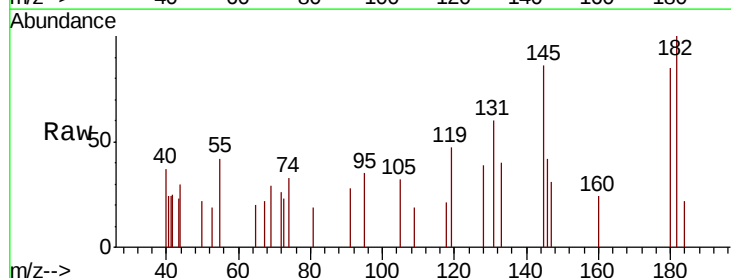
Tgt Ion: 180 Resp: 1839

Ion Ratio Lower Upper

180 100

182 117.6 49.4 148.2

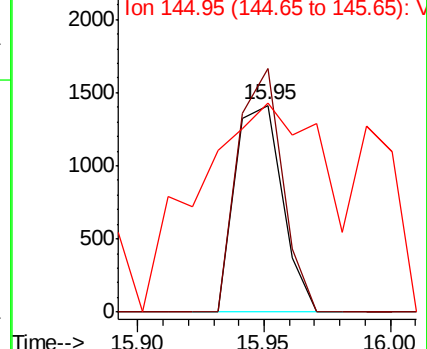
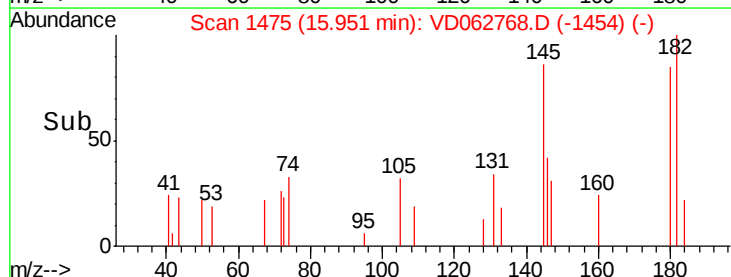
145 100.8 14.5 43.6#

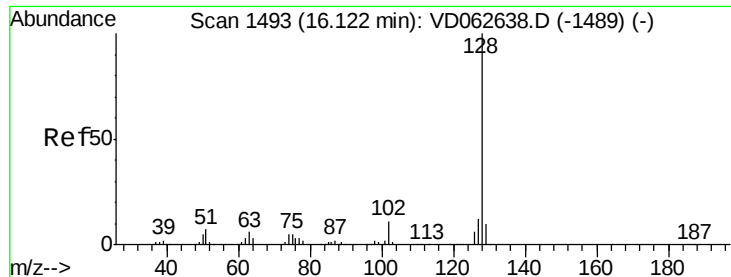


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.913 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062768.D
Acq: 19 Jun 2019 2:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 7594
Ion Ratio Lower Upper
128 100
127 21.5 9.7 14.5#
129 15.7 8.1 12.1#

