

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062752.D
 Acq On : 18 Jun 2019 16:25
 Operator : VA/AP
 Sample : K3382-05RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:25:49 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	736712	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1079311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	858105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	491309	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	486611	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	6.92	113	517738	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	10.41	98	1060948	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	
62) 4-Bromofluorobenzene	13.56	95	497846	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

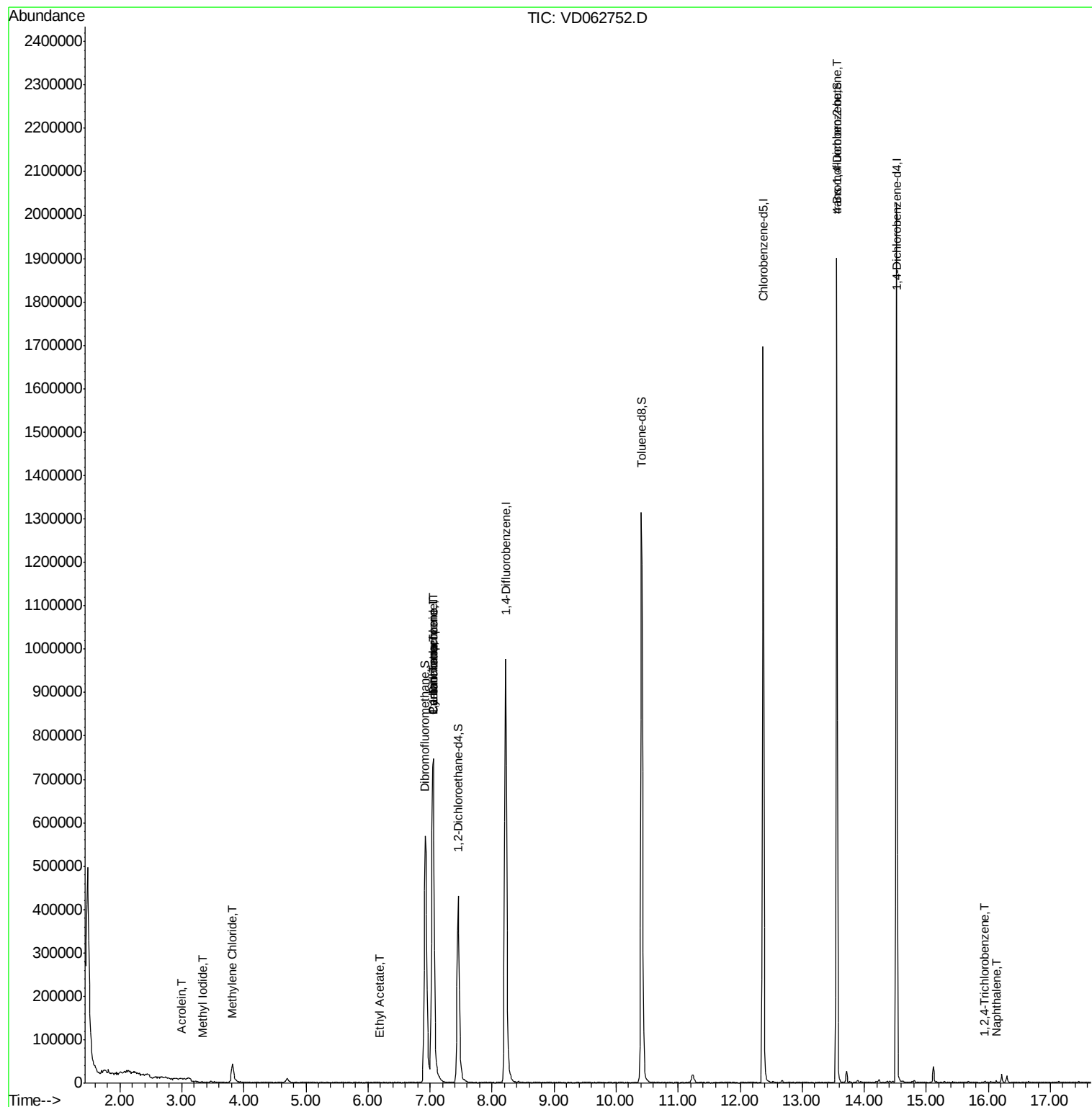
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1778	Below Cal		82
10) Methyl Iodide	3.34	142	252	4.026	ug/l #	24
13) Acrolein	3.01	56	305	2.170	ug/l #	12
20) Methylene Chloride	3.82	84	27432	3.317	ug/l	90
31) Cyclohexane	7.04	56	18994	2.264	ug/l #	7
36) 1,1-Dichloropropene	7.04	75	59059	4.781	ug/l #	53
37) Ethyl Acetate	6.20	43	187	1.236	ug/l #	74
38) Carbon Tetrachloride	7.05	117	78276	4.009	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	243056	117.343	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	894	3.634	ug/l #	51
95) Naphthalene	16.13	128	4129	3.665	ug/l #	81

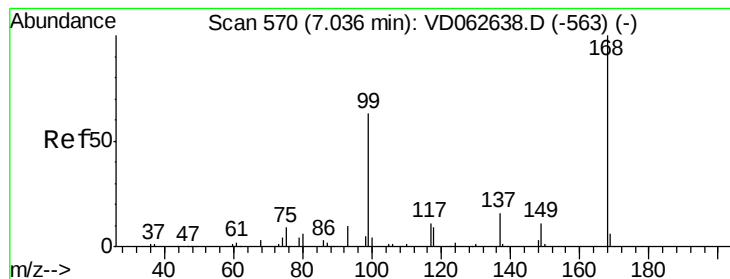
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062752.D
Acq On : 18 Jun 2019 16:25
Operator : VA/AP
Sample : K3382-05RE
Misc : 5.10a/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:25:49 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: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

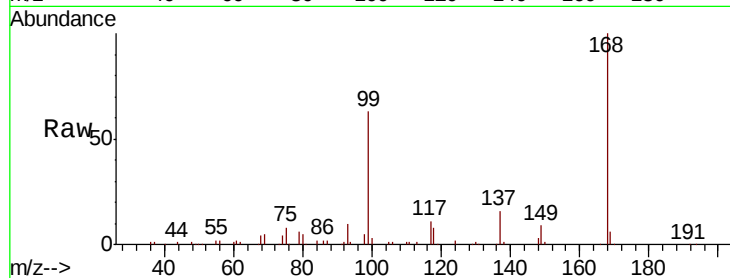
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 736712

Ion Ratio Lower Upper

168 100

99 63.2 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

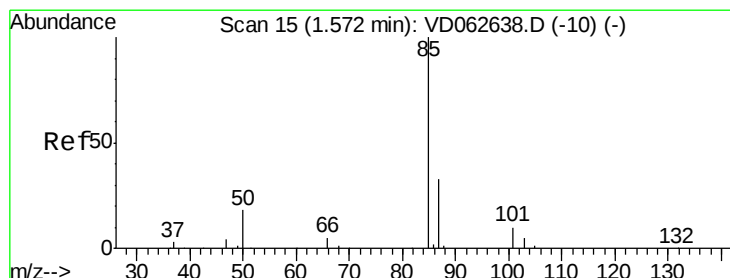
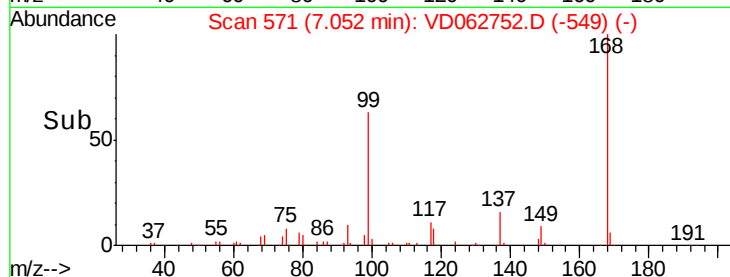
100000

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: VD062752.D

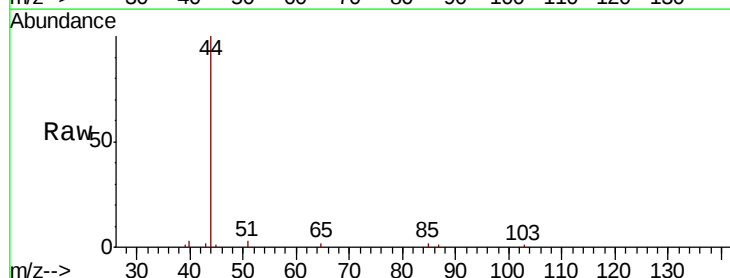
Acq: 18 Jun 2019 16:25

Tgt Ion: 85 Resp: 1778

Ion Ratio Lower Upper

85 100

87 43.3 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

1200

1000

800

600

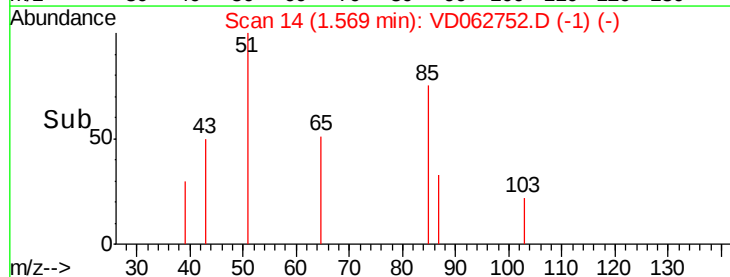
400

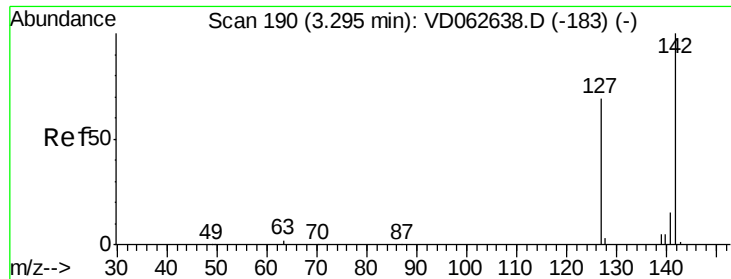
200

0

1.55 1.60 1.65

Time-->

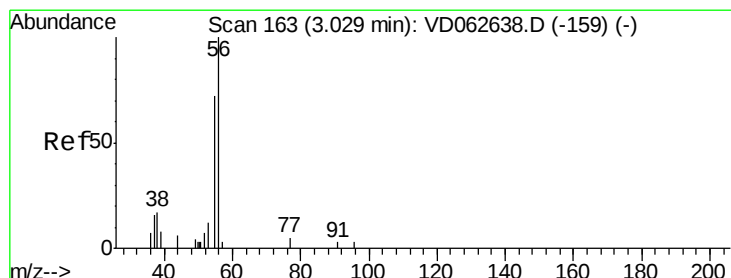
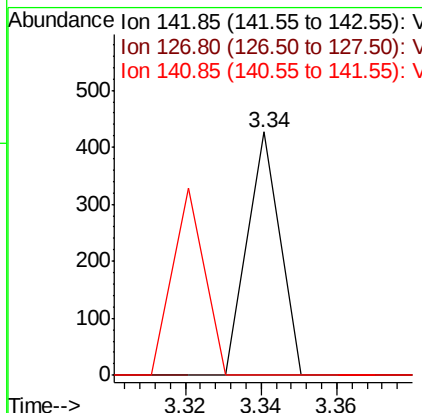
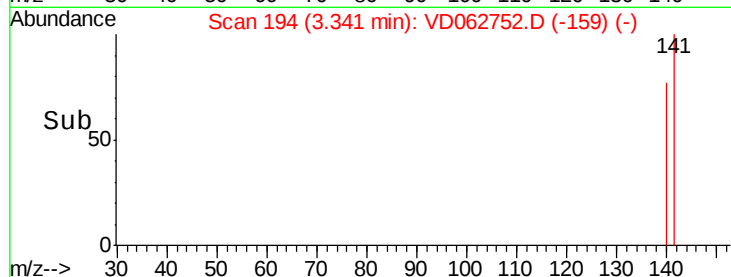
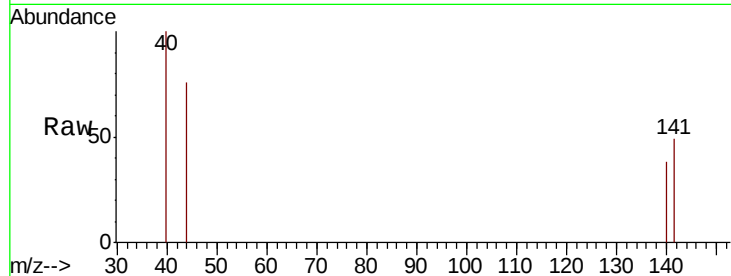




#10
Methvl Iodide
Concen: 4.026 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.05 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

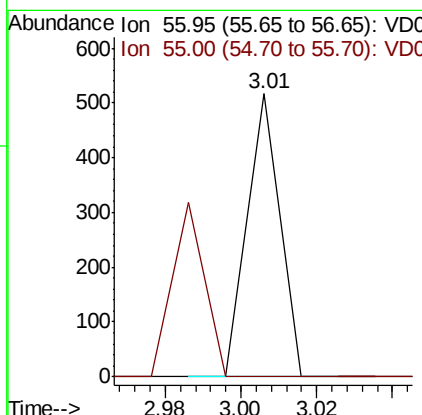
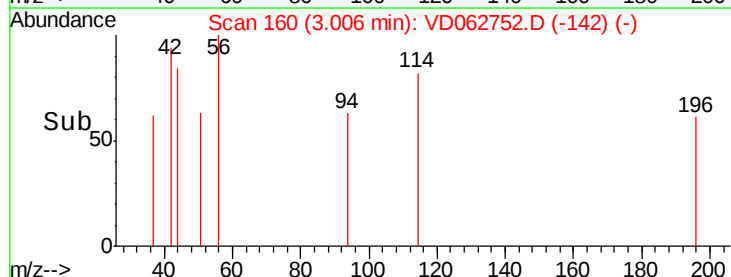
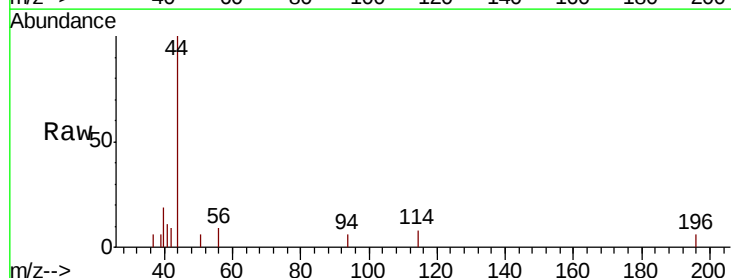
Instrument :
MSVOA_D
ClientSampled :

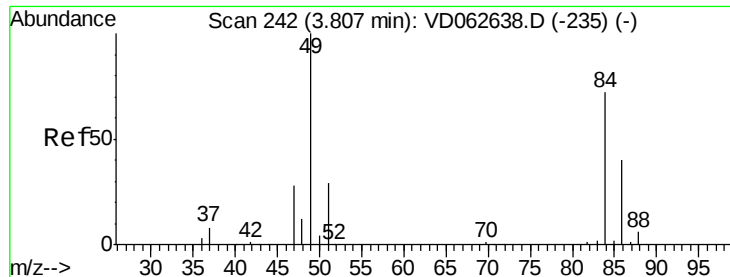
Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 2.170 ug/l
RT: 3.01 min Scan# 160
Delta R.T. -0.02 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#

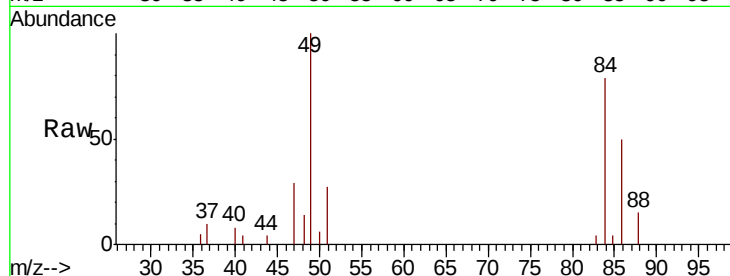




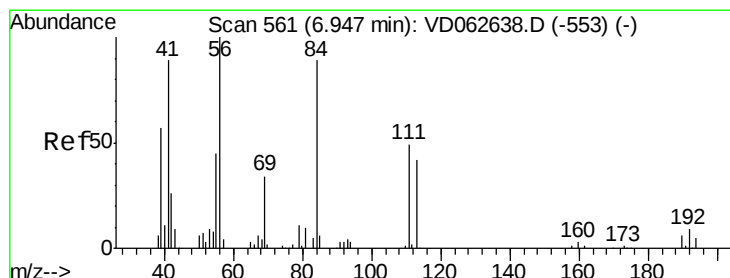
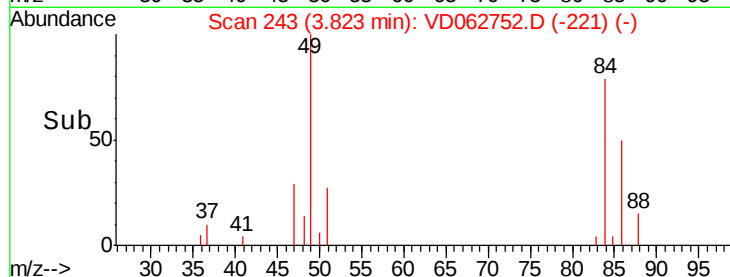
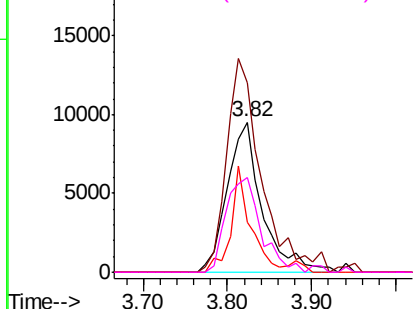
#20
Methvlene Chloride
Concen: 3.317 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 27432
Ion Ratio Lower Upper
84 100
49 126.2 111.2 166.8
51 33.7 31.9 47.9
86 63.5 44.7 67.1

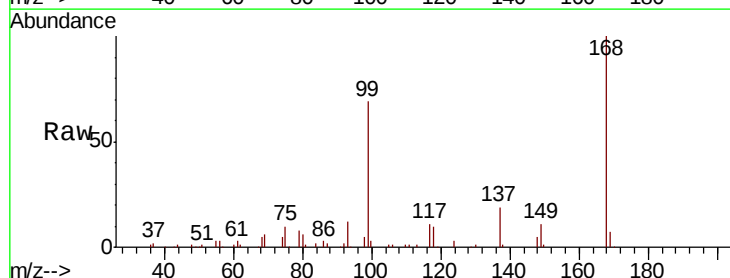


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

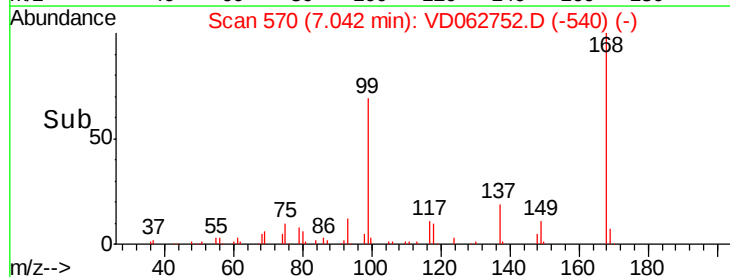
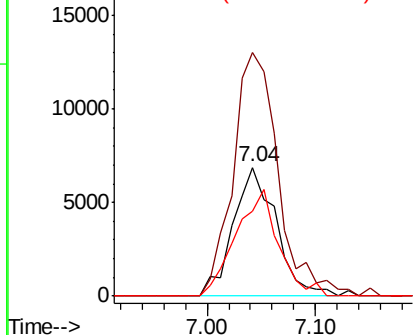


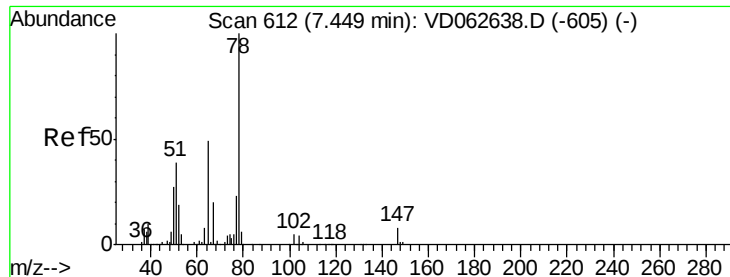
#31
Cyclohexane
Concen: 2.264 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

Tgt Ion: 56 Resp: 18994
Ion Ratio Lower Upper
56 100
69 189.1 26.8 40.2#
84 65.9 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: 45.774 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

Instrument :

MSVOA_D

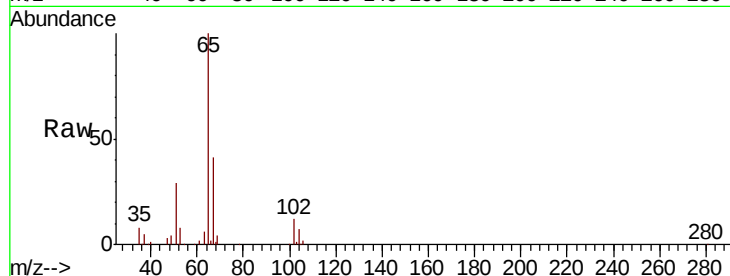
ClientSampleId :

Tot Ion: 65 Resp: 486611

Ion Ratio Lower Upper

65 100

67 41.2 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

200000

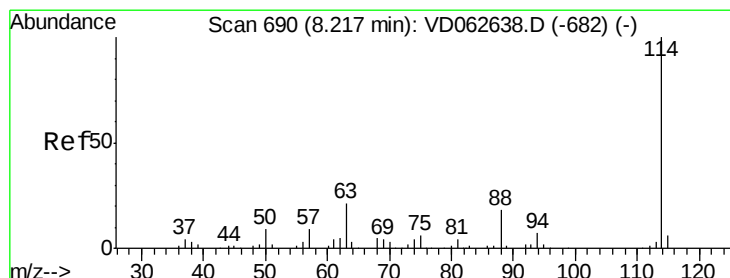
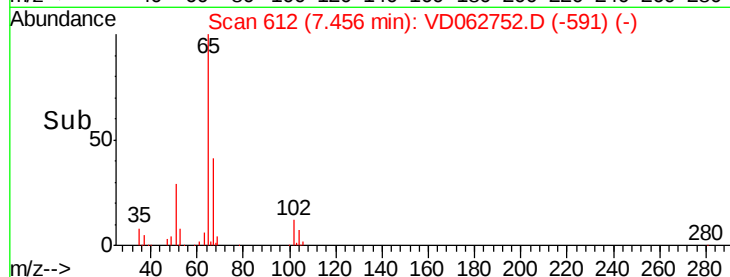
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

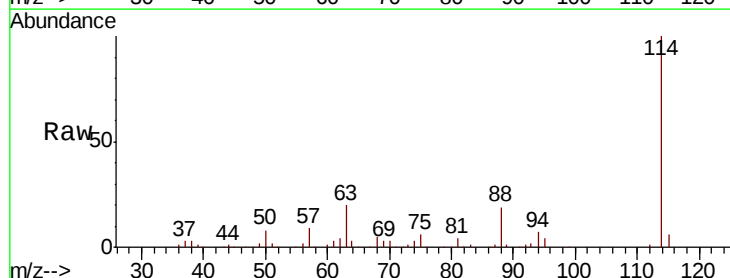
Tgt Ion: 114 Resp: 1079311

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 18.6 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

500000

400000

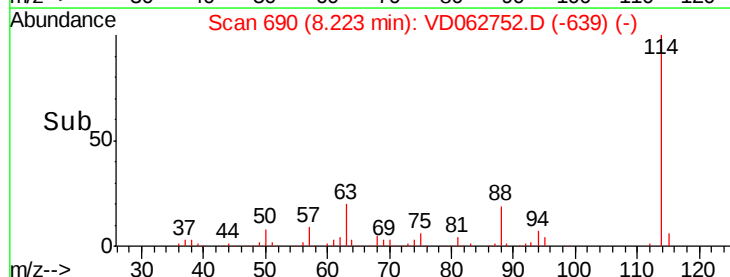
300000

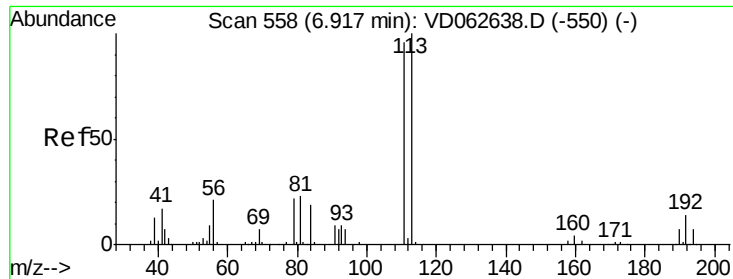
200000

100000

0

Time-->

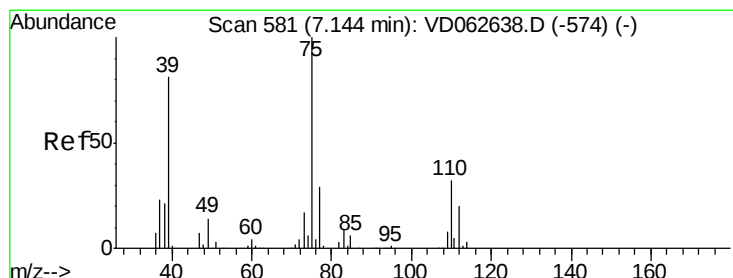
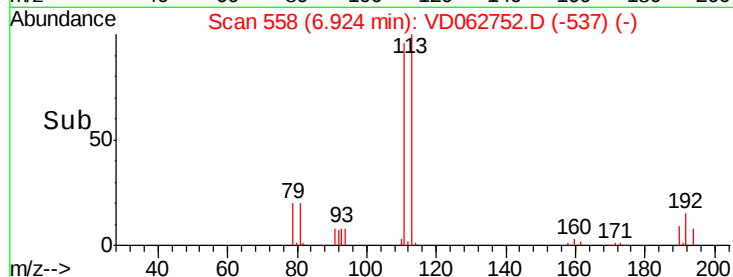
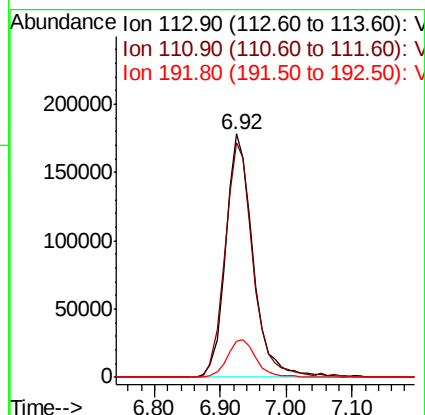
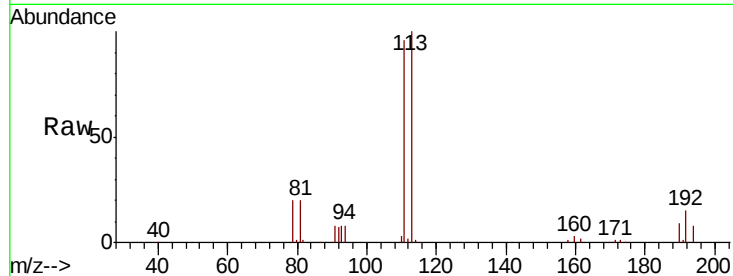




#35
 Dibromofluoromethane
 Concen: 45.484 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD062752.D
 Acq: 18 Jun 2019 16:25

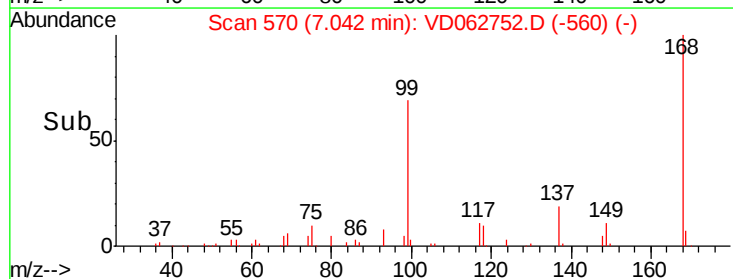
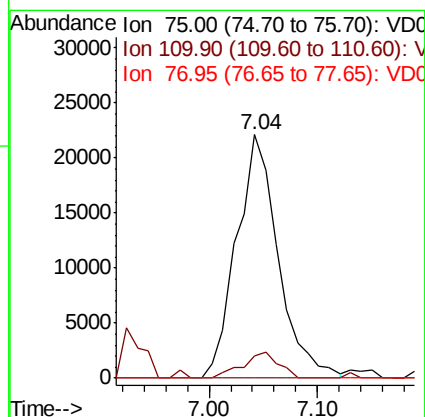
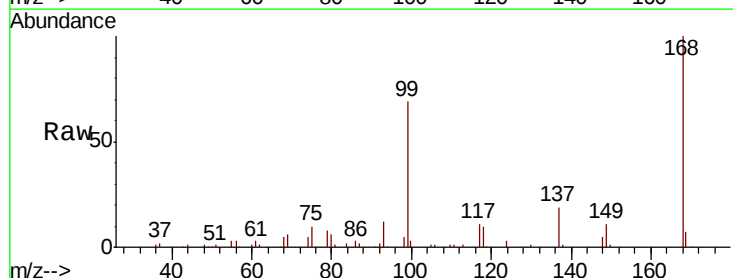
Instrument :
 MSVOA_D
 ClientSampleId :

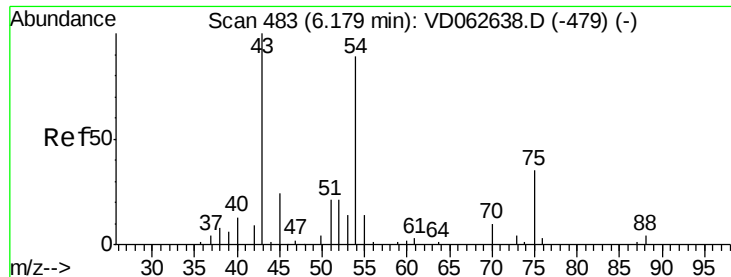
Tot Ion:113 Resp: 517738
 Ion Ratio Lower Upper
 113 100
 111 96.2 76.4 114.6
 192 15.1 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD062752.D
 Acq: 18 Jun 2019 16:25

Tgt Ion: 75 Resp: 59059
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.9 47.7#
 77 0.0 23.3 34.9#





#37

Ethyl Acetate

Concen: 1.236 ug/l

RT: 6.20 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

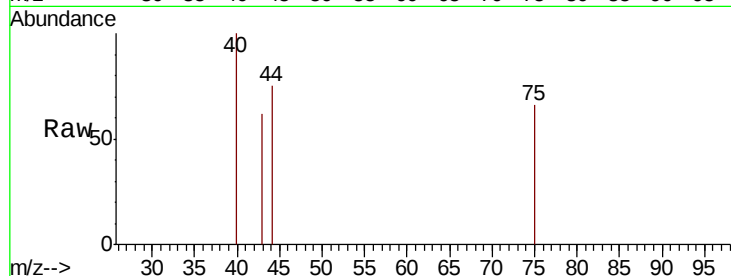
Tot Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

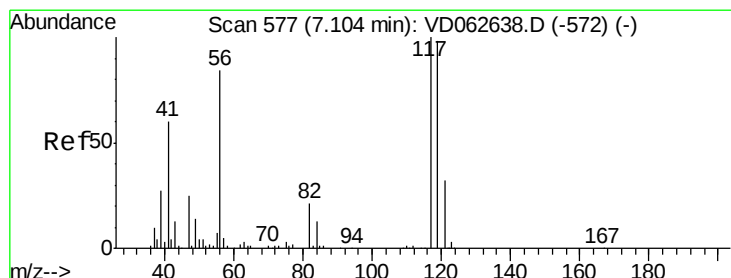
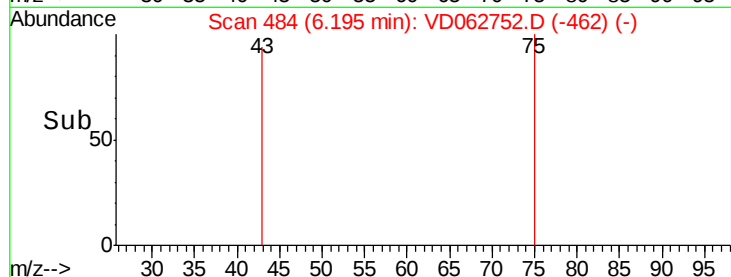
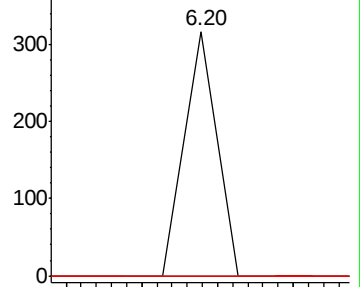
70 0.0 6.5 9.7#



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: 4.009 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

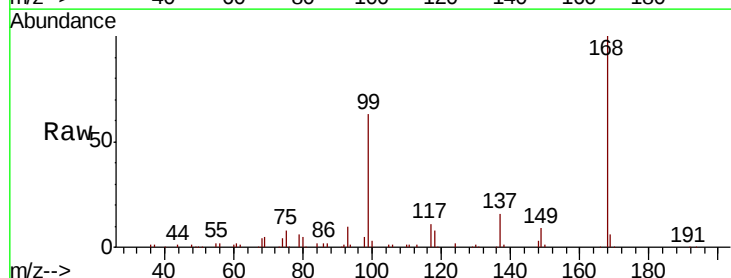
Tgt Ion: 117 Resp: 78276

Ion Ratio Lower Upper

117 100

119 2.7 73.5 110.3#

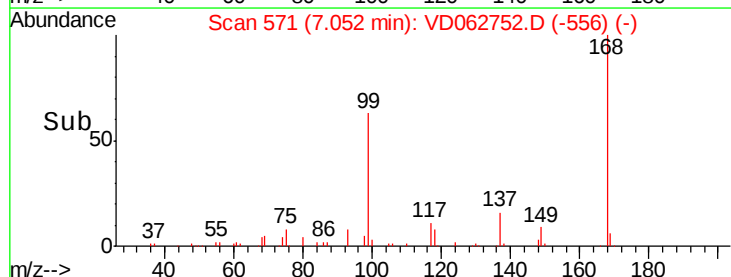
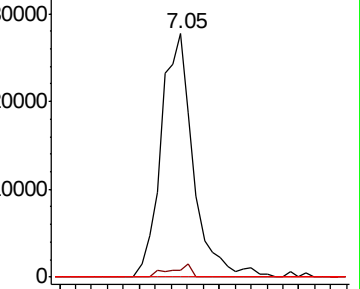
121 0.0 24.2 36.4#

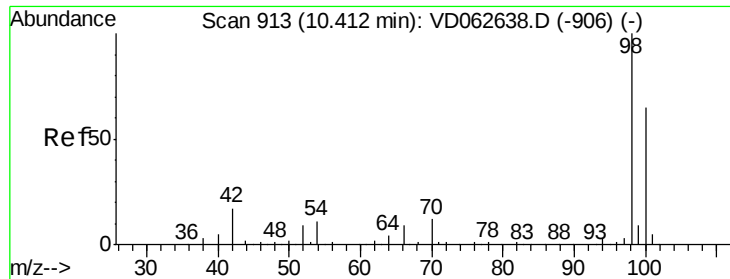


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 44.307 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

Instrument :

MSVOA_D

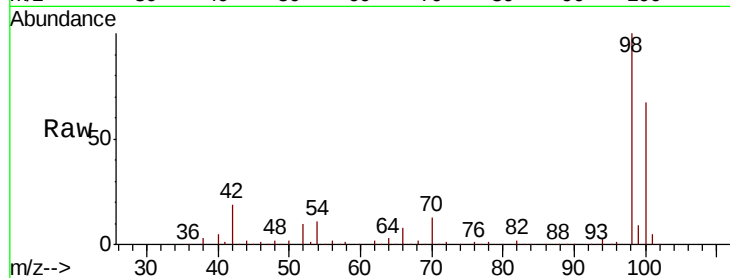
ClientSampleId :

Tot Ion: 98 Resp: 1060948

Ion Ratio Lower Upper

98 100

100 67.0 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

10.41

500000

400000

300000

200000

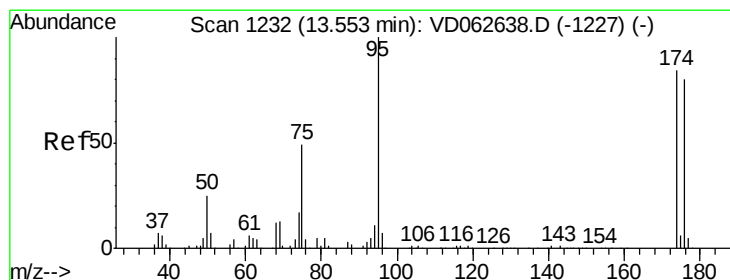
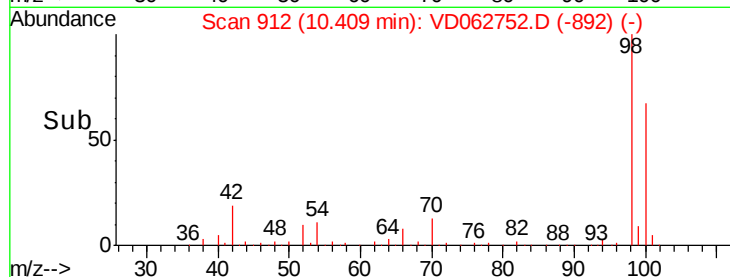
100000

0

10.40

10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 44.565 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

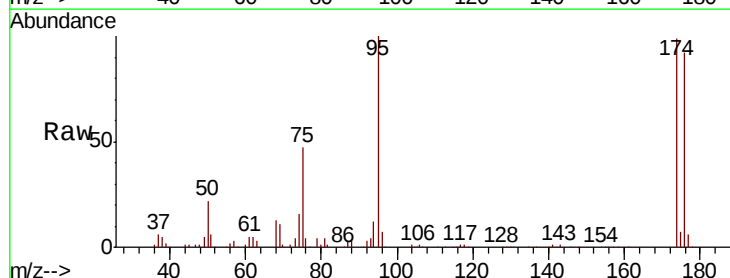
Tgt Ion: 95 Resp: 497846

Ion Ratio Lower Upper

95 100

174 98.6 0.0 167.0

176 91.8 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD062638.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062638.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062638.D (-1227) (-)

13.56

500000

400000

300000

200000

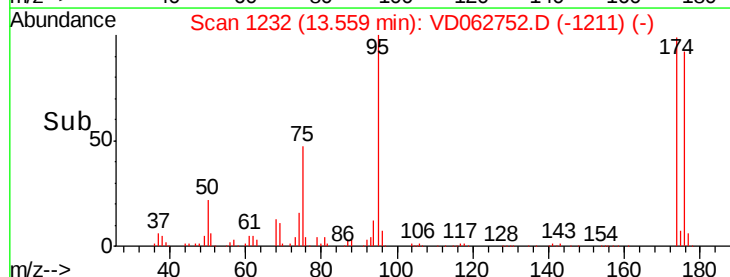
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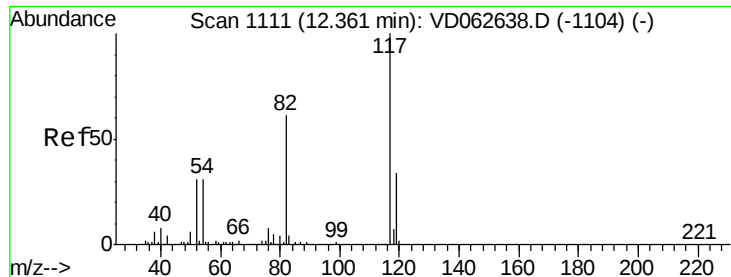
0

13.50

13.60

Time-->

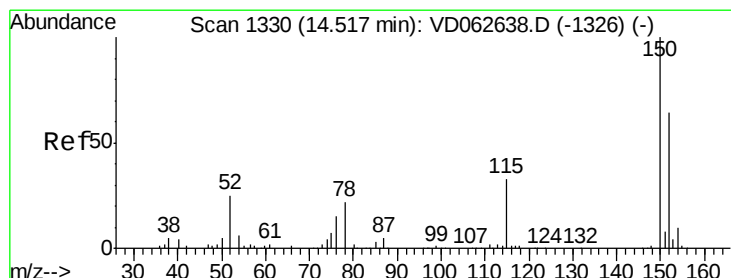
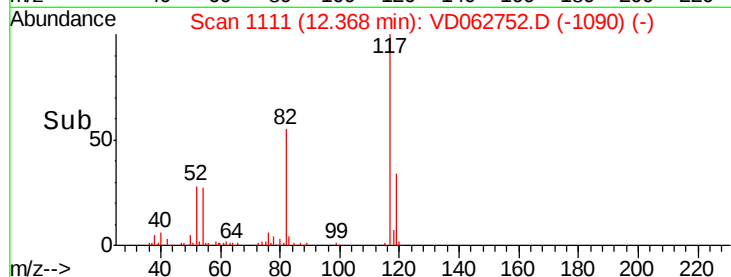
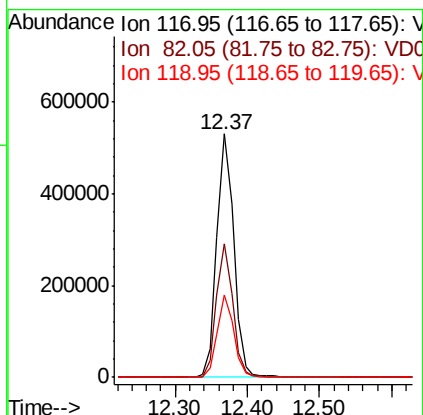
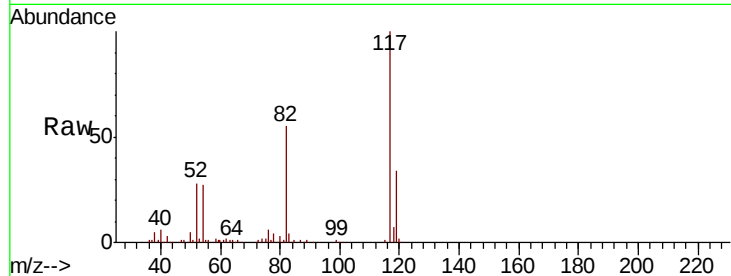




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

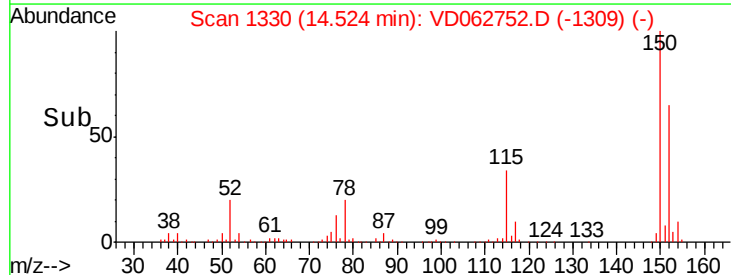
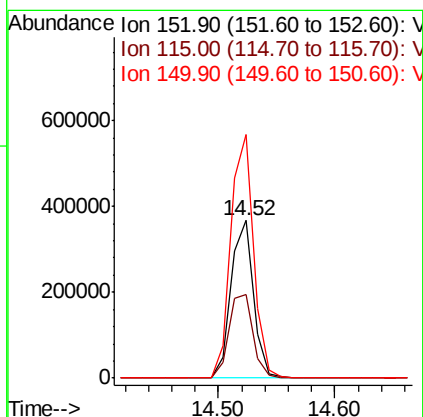
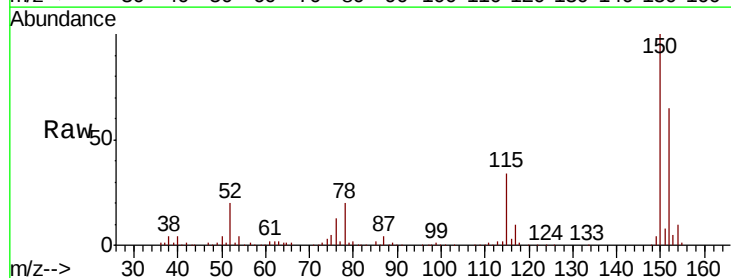
Instrument :
MSVOA_D
ClientSampleId :

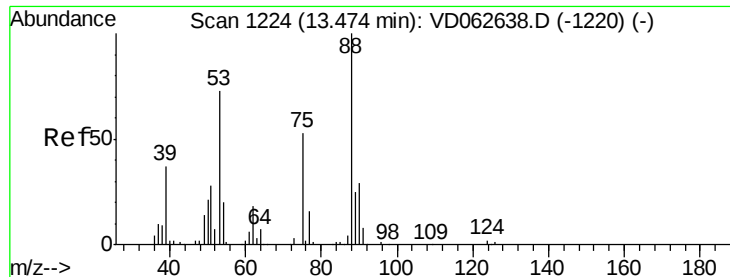
Tot Ion:117 Resp: 858105
Ion Ratio Lower Upper
117 100
82 54.8 48.7 73.1
119 33.7 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062752.D
Acq: 18 Jun 2019 16:25

Tgt Ion:152 Resp: 491309
Ion Ratio Lower Upper
152 100
115 53.2 30.1 90.5
150 154.7 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 117.343 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

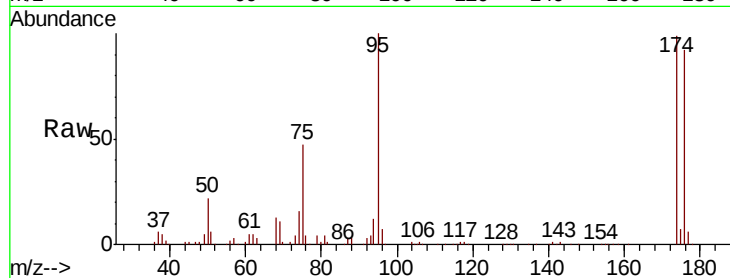
Tot Ion: 75 Resp: 243056

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

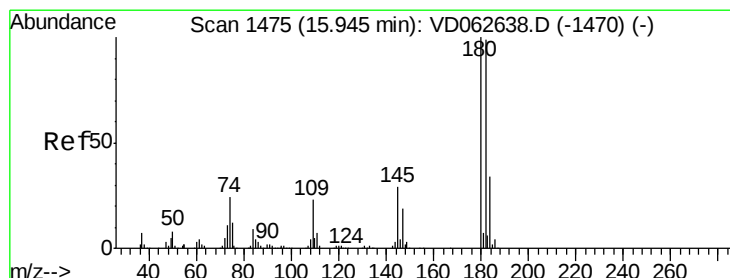
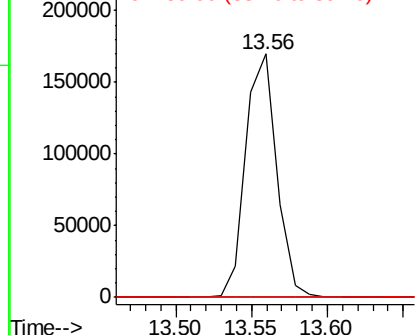
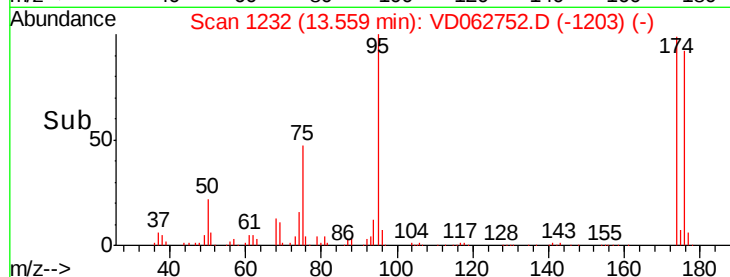
89 0.0 37.0 55.6#



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: 3.634 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062752.D

Acq: 18 Jun 2019 16:25

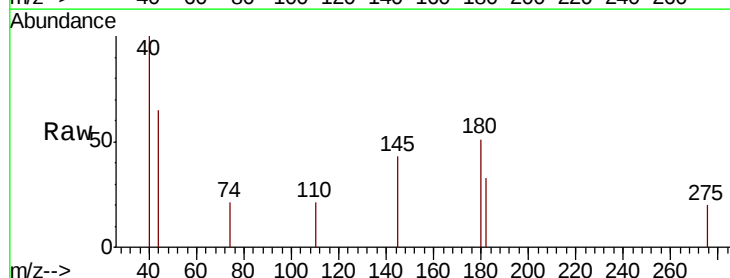
Tgt Ion:180 Resp: 894

Ion Ratio Lower Upper

180 100

182 65.7 49.4 148.2

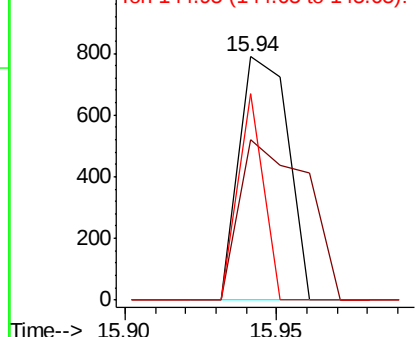
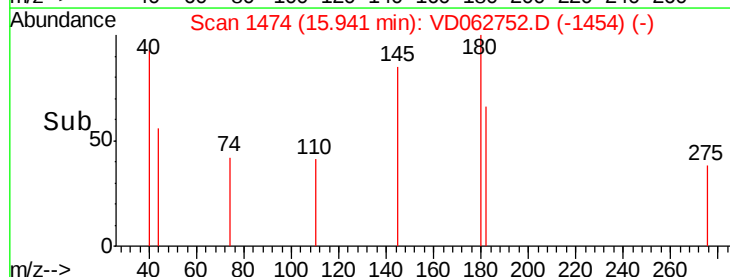
145 84.7 14.5 43.6#

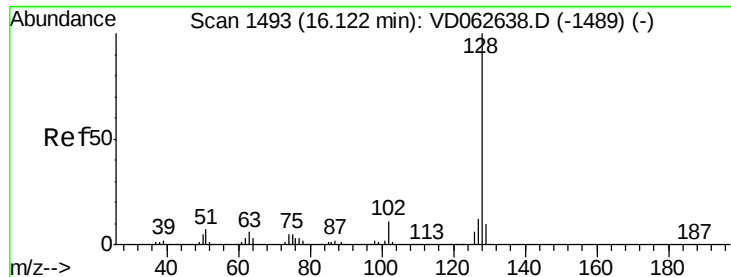


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

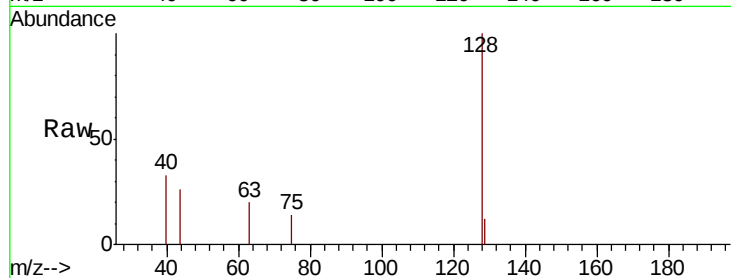




#95
 Naphthalene
 Concen: 3.665 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062752.D
 Acq: 18 Jun 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 4129
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 12.2 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

