

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062737.D
 Acq On : 17 Jun 2019 20:00
 Operator : VA/AP
 Sample : K3419-08
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-D

Quant Time: Jun 18 06:25:35 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	794640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1104184	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	921750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	515233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	320844	27.98	ug/l	0.00
Spiked Amount			Recovery	=	55.96%	
35) Dibromofluoromethane	6.92	113	340131	29.21	ug/l	0.00
Spiked Amount			Recovery	=	58.42%	
50) Toluene-d8	10.40	98	654648	26.72	ug/l	-0.01
Spiked Amount			Recovery	=	53.44%	
62) 4-Bromofluorobenzene	13.55	95	314686	27.53	ug/l	0.00
Spiked Amount			Recovery	=	55.06%	

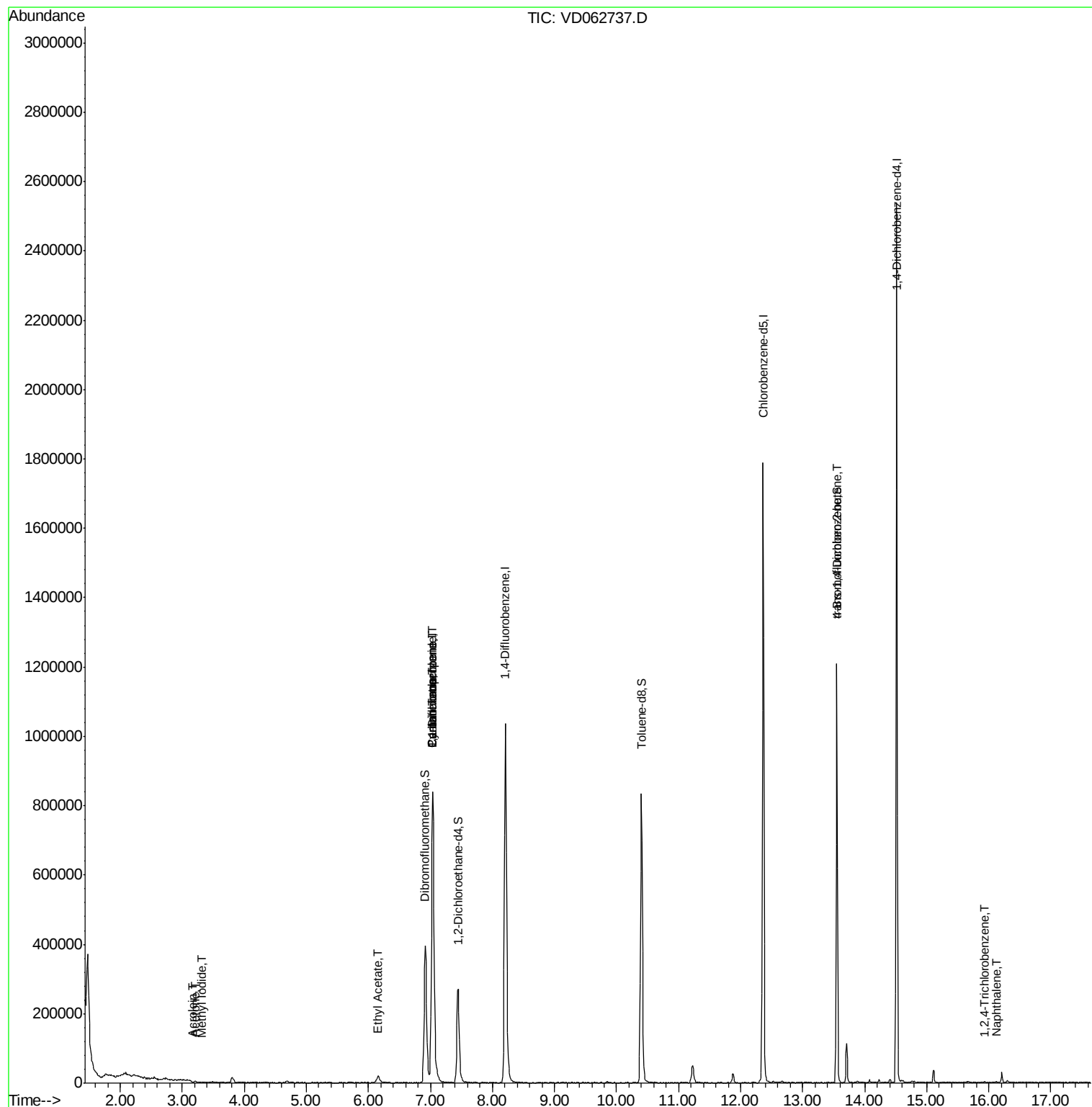
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	483	Below Cal	#	42
10) Methyl Iodide	3.30	142	178	4.020	ug/l #	24
13) Acrolein	3.18	56	182	1.200	ug/l #	12
16) Acetone	3.23	43	3808	1.814	ug/l #	66
31) Cyclohexane	7.04	56	18158	2.007	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	64002	5.065	ug/l #	50
37) Ethyl Acetate	6.14	43	876	1.360	ug/l #	74
38) Carbon Tetrachloride	7.04	117	87518	4.381	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	154913	72.844	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1039	3.641	ug/l #	54
95) Naphthalene	16.12	128	3280	3.613	ug/l #	71

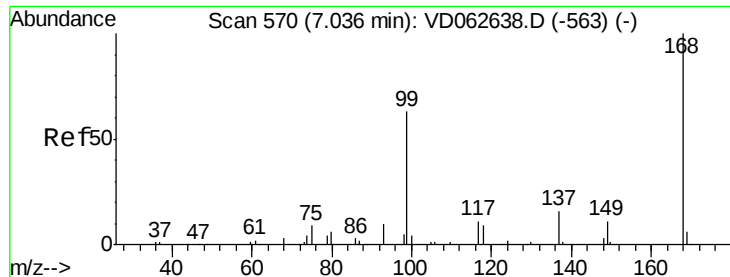
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062737.D
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Quant Time: Jun 18 06:25:35 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. -0.00 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

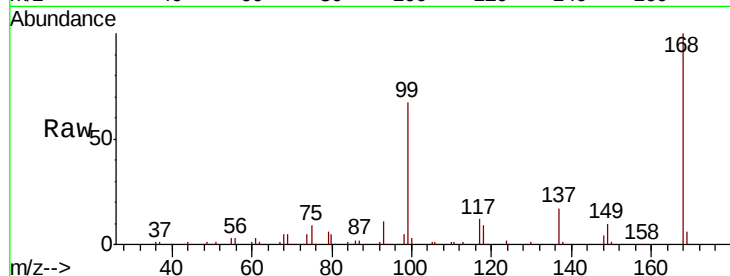
Instrument :
MSVOA_D
ClientSampleId :
TP-D

Tot Ion:168 Resp: 794640

Ion Ratio Lower Upper

168 100

99 66.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

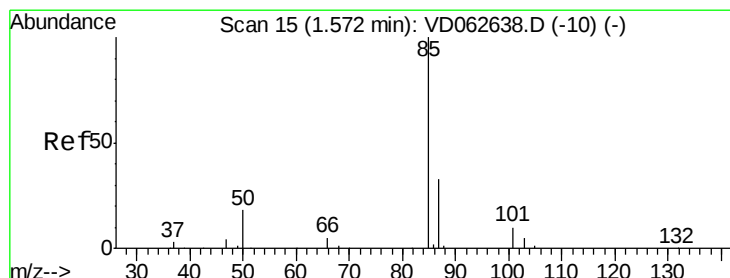
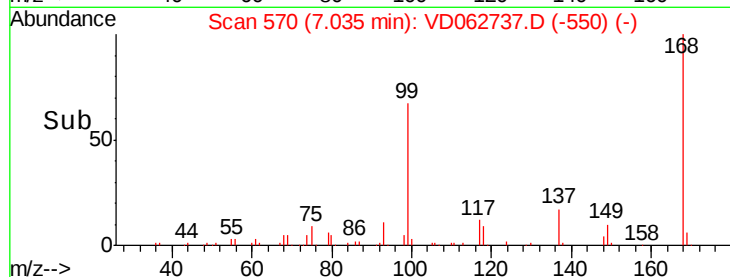
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062737.D

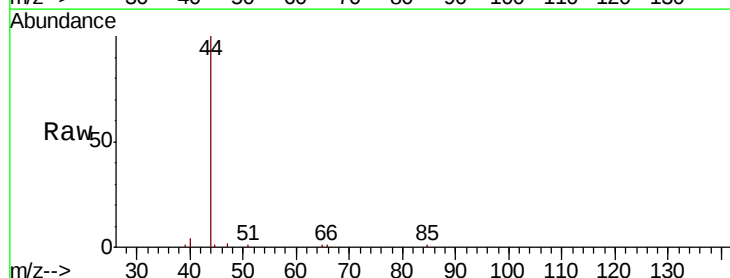
Acq: 17 Jun 2019 20:00

Tgt Ion: 85 Resp: 483

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

500

400

300

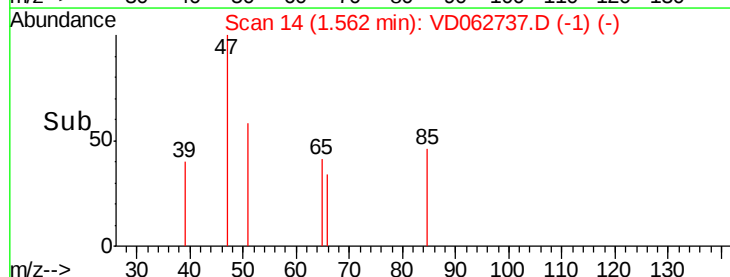
200

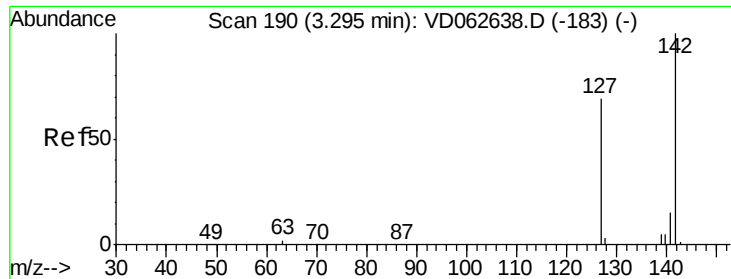
100

0

Time-->

1.55 1.60

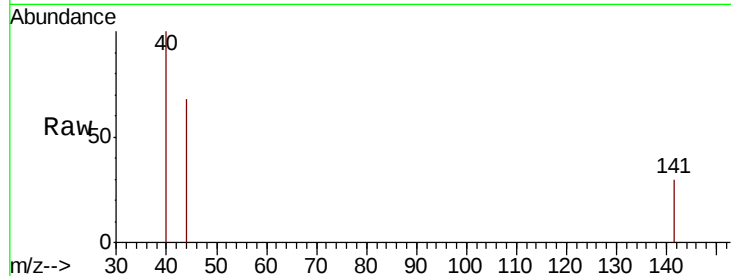




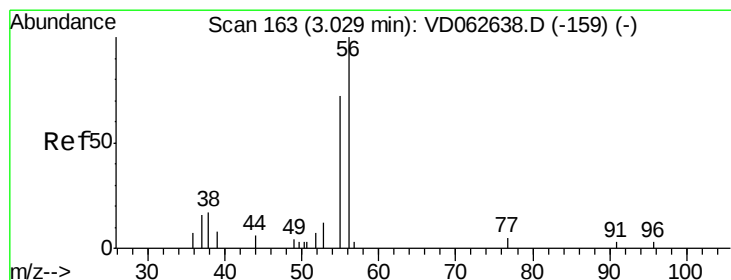
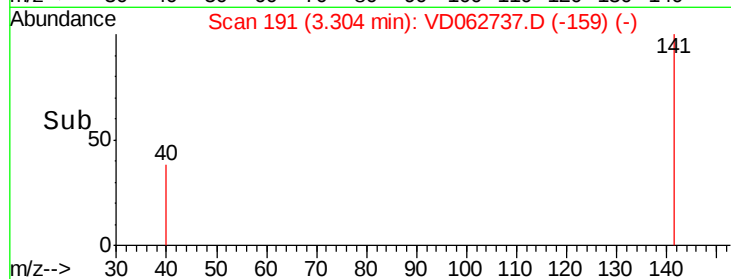
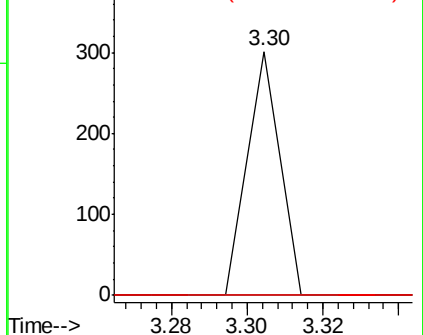
#10
Methyl Iodide
Concen: 4.020 ug/l
RT: 3.30 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
TP-D

Tot Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

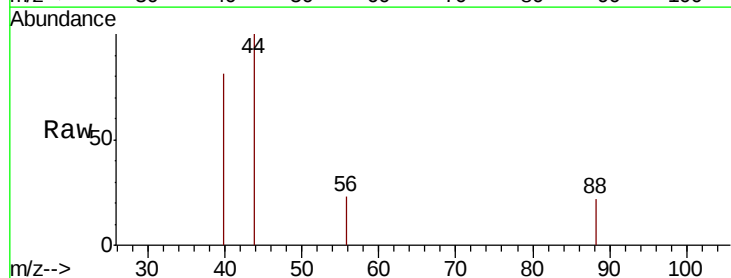


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

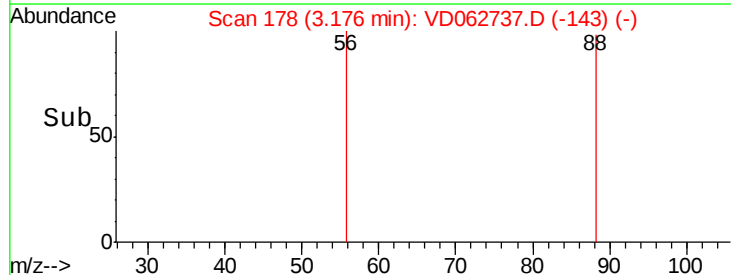
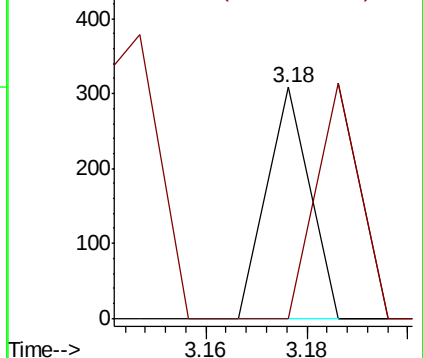


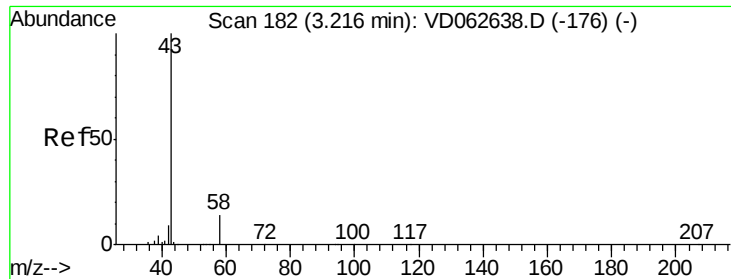
#13
Acrolein
Concen: 1.200 ug/l
RT: 3.18 min Scan# 178
Delta R.T. 0.15 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.814 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

Instrument :

MSVOA_D

ClientSampled :

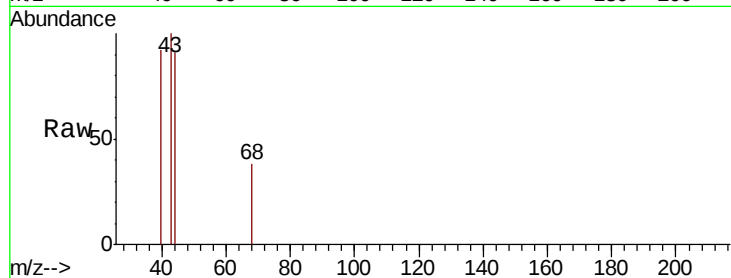
TP-D

Tot Ion: 43 Resp: 3808

Ion Ratio Lower Upper

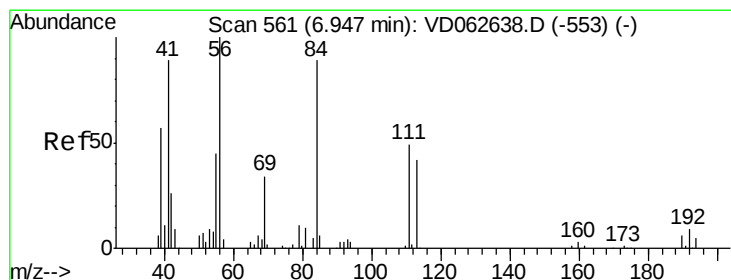
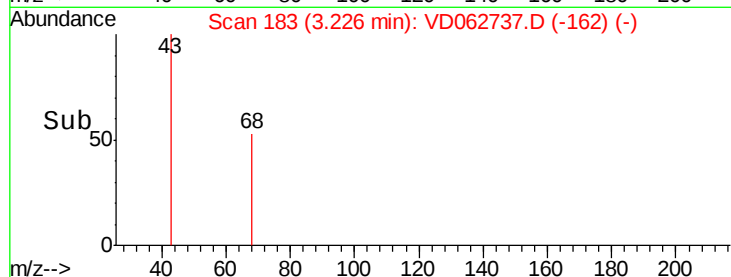
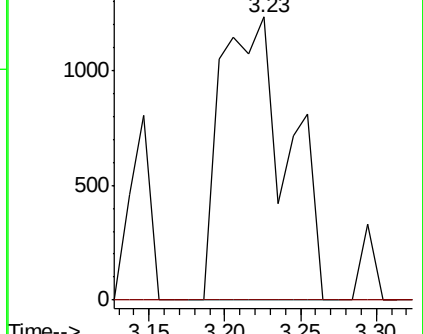
43 100

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



#31

Cyclohexane

Concen: 2.007 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

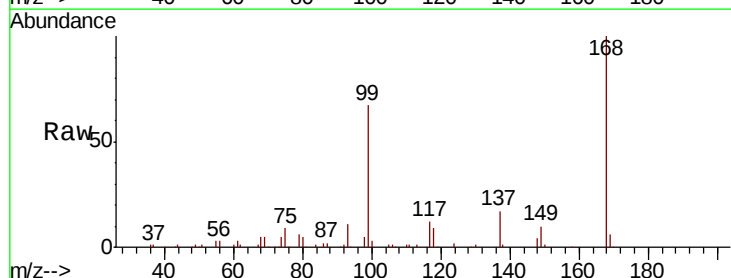
Tgt Ion: 56 Resp: 18158

Ion Ratio Lower Upper

56 100

69 196.3 26.8 40.2#

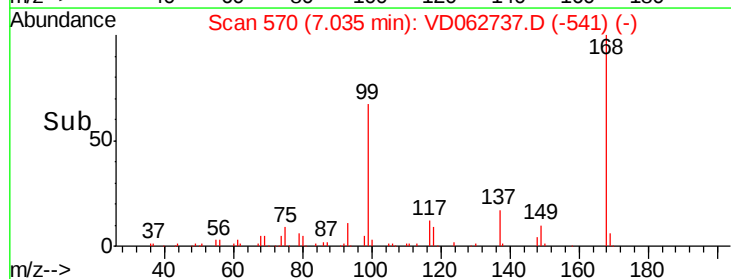
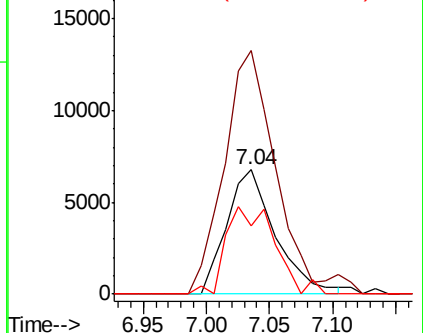
84 55.0 73.9 110.9#

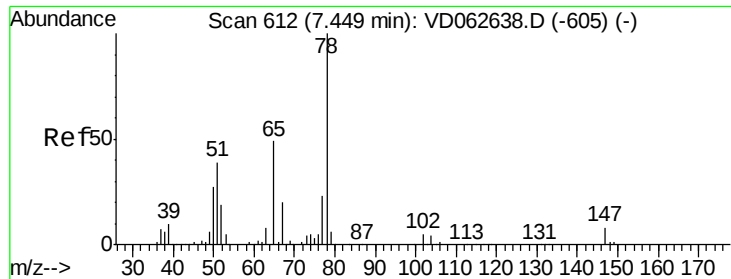


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

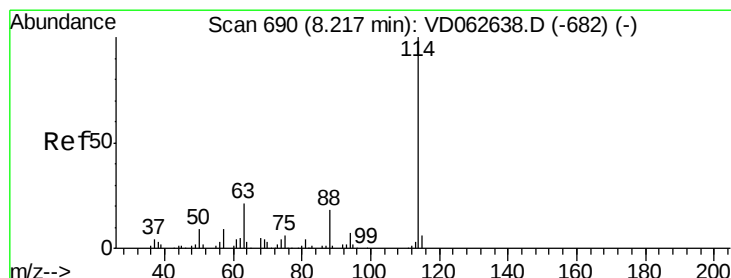
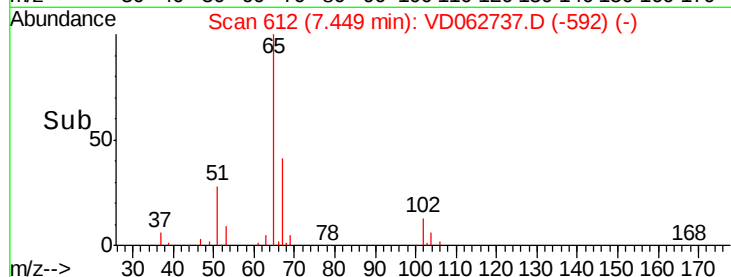
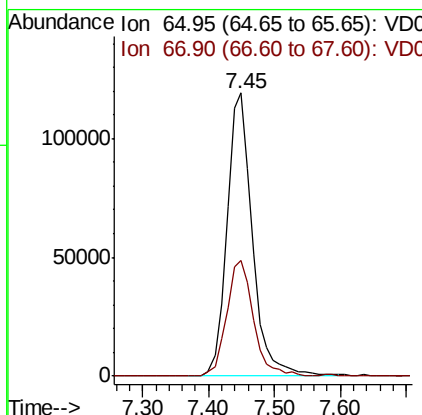
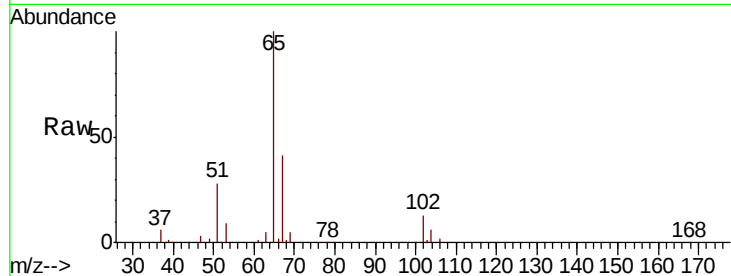




#33
 1,2-Dichloroethane-d4
 Concen: 27.981 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062737.D
 Acq: 17 Jun 2019 20:00

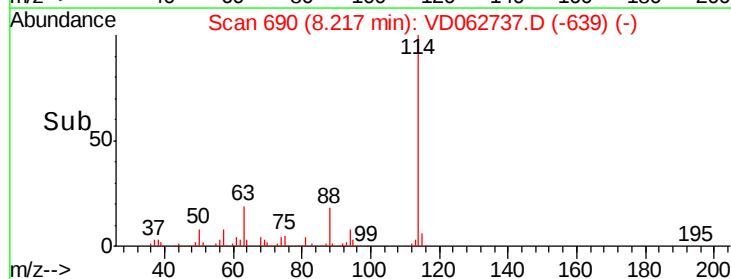
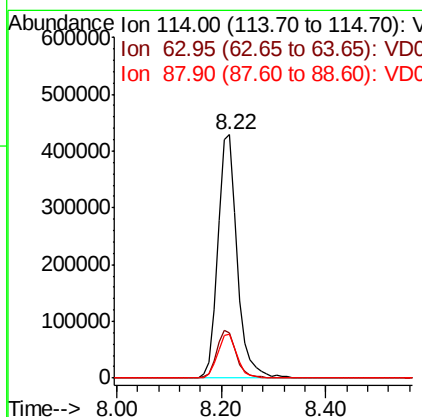
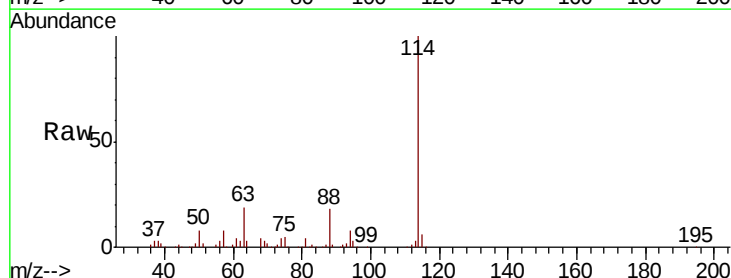
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-D

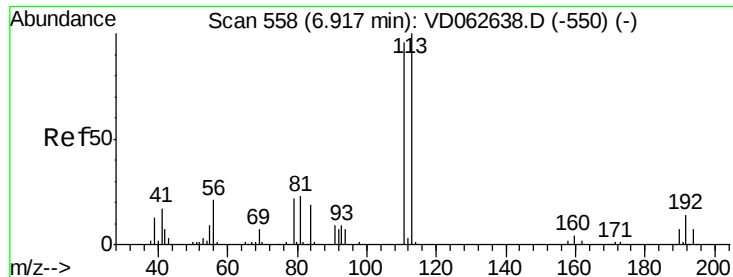
Tot Ion: 65 Resp: 320844
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062737.D
 Acq: 17 Jun 2019 20:00

Tgt Ion: 114 Resp: 1104184
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 17.8 0.0 36.8





#35

Dibromofluoromethane

Concen: 29.208 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

TP-D

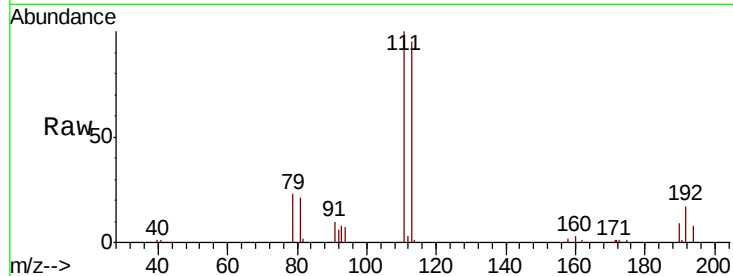
Tot Ion:113 Resp: 340131

Ion Ratio Lower Upper

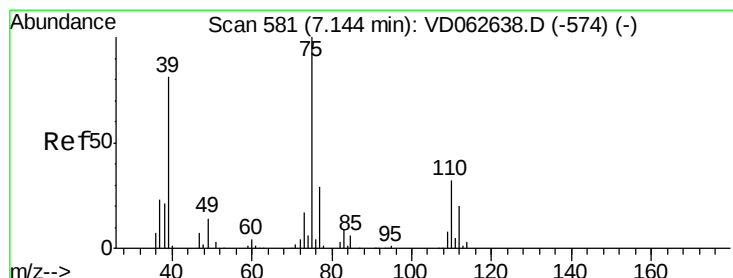
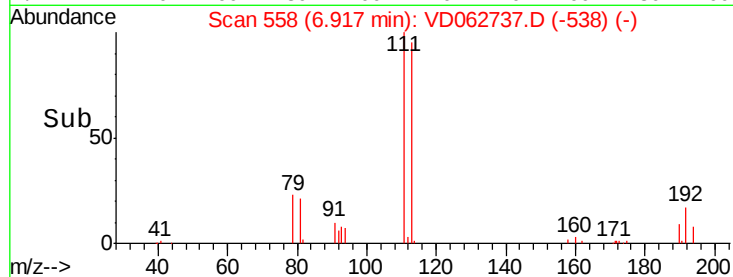
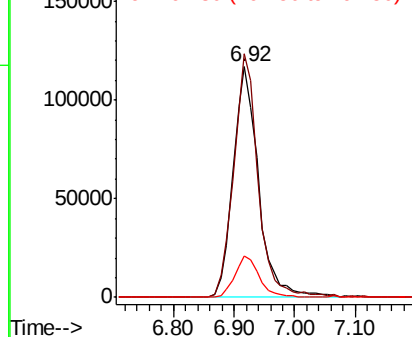
113 100

111 105.6 76.4 114.6

192 17.9 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: 5.065 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

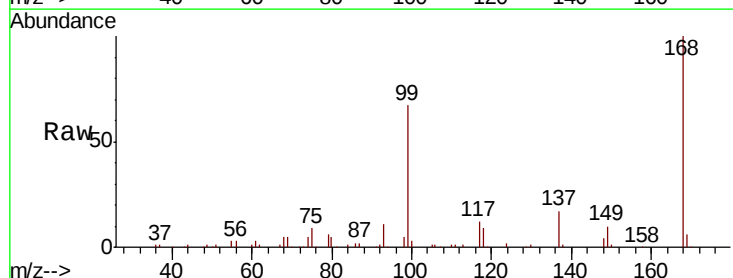
Tgt Ion: 75 Resp: 64002

Ion Ratio Lower Upper

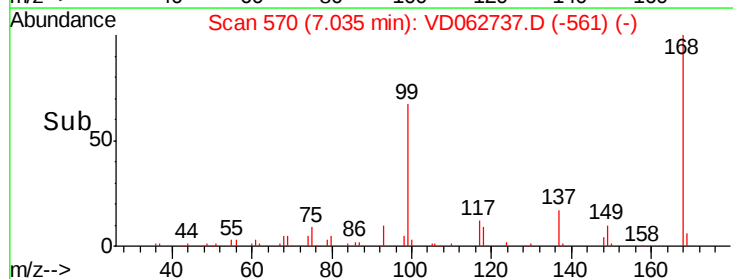
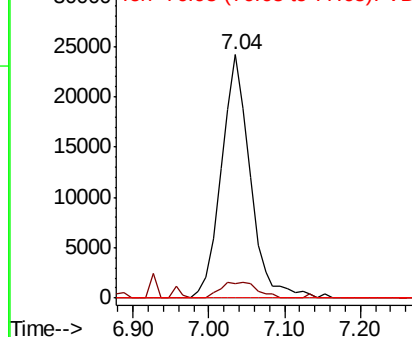
75 100

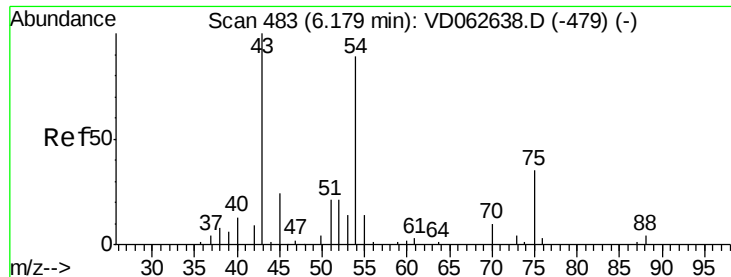
110 6.1 15.9 47.7#

77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

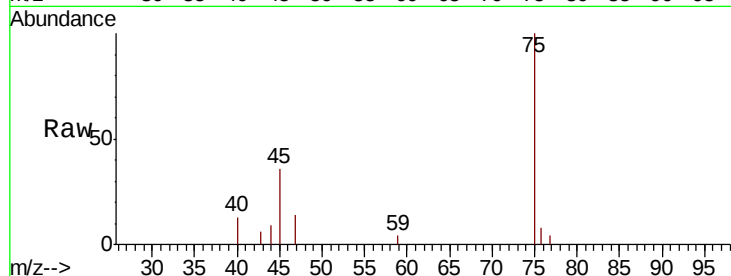




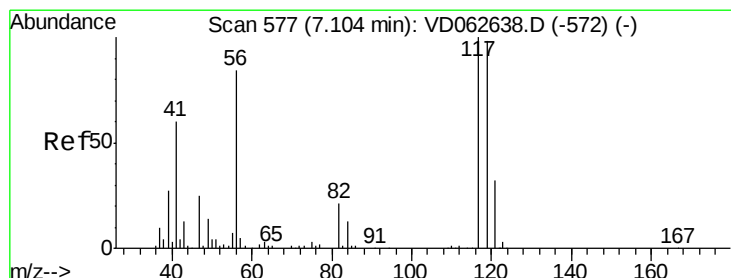
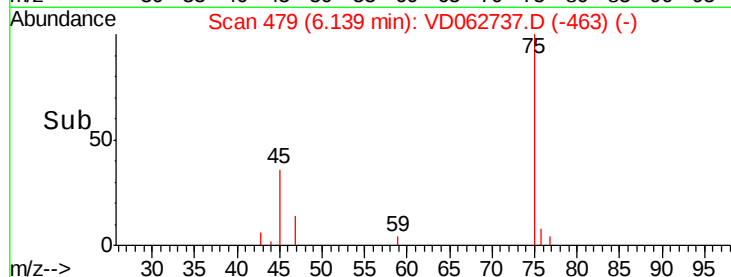
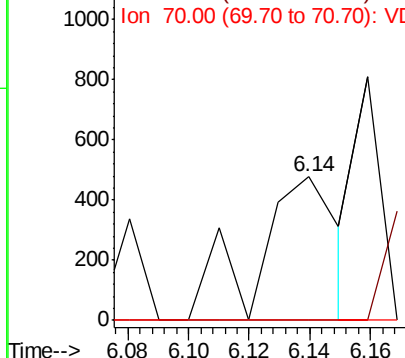
#37
Ethyl Acetate
Concen: 1.360 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.04 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Instrument :
MSVOA_D
ClientSampled :
TP-D

Tot Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

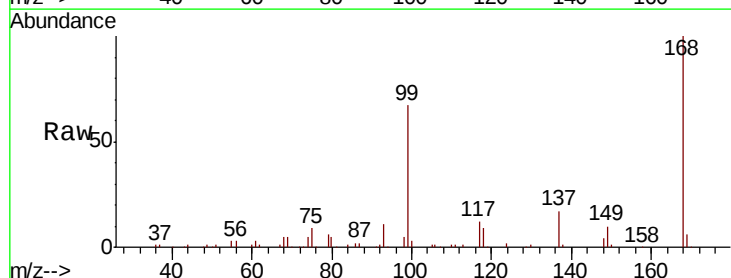


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

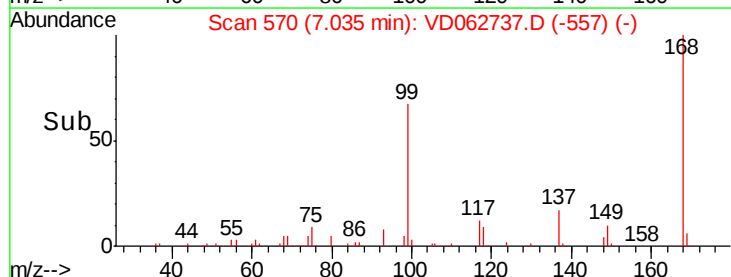
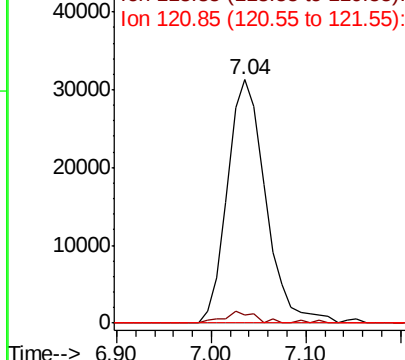


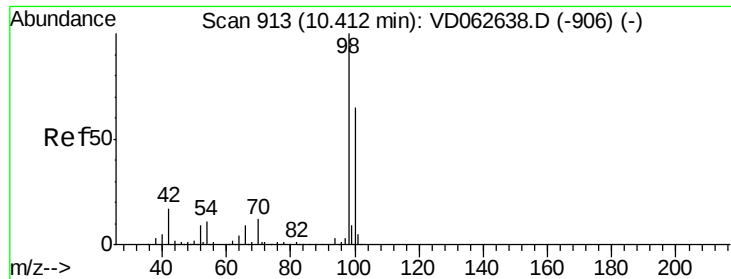
#38
Carbon Tetrachloride
Concen: 4.381 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Tgt Ion: 117 Resp: 87518
Ion Ratio Lower Upper
117 100
119 3.5 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

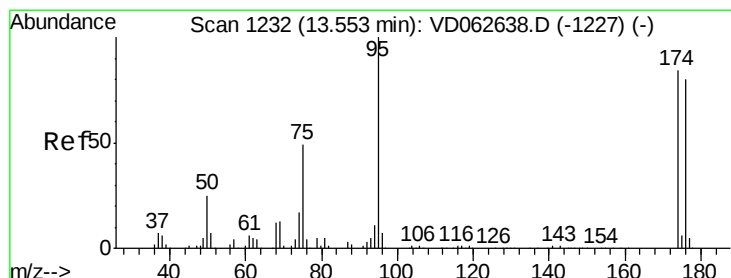
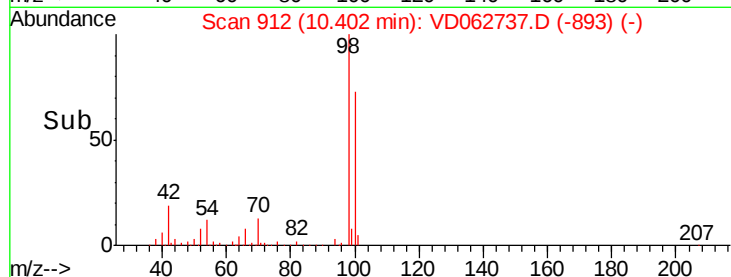
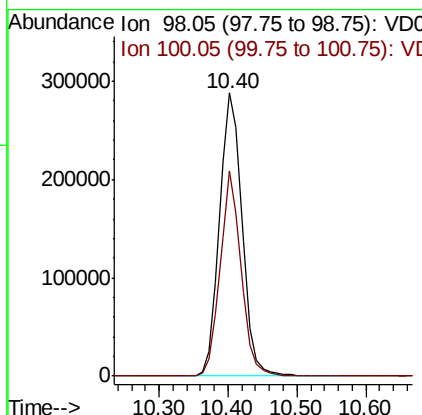
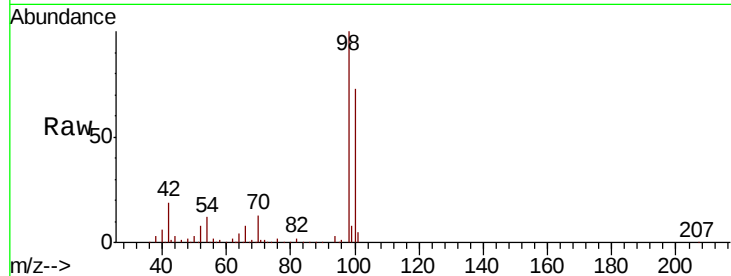




#50
Toluene-d8
Concen: 26.723 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

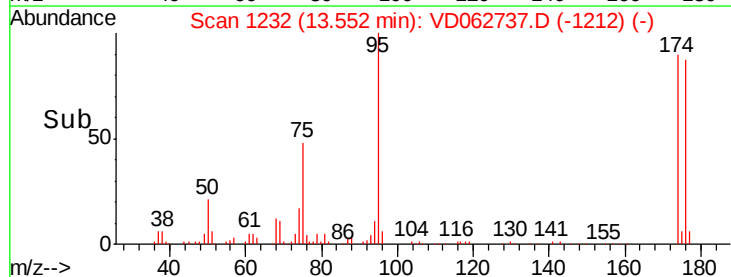
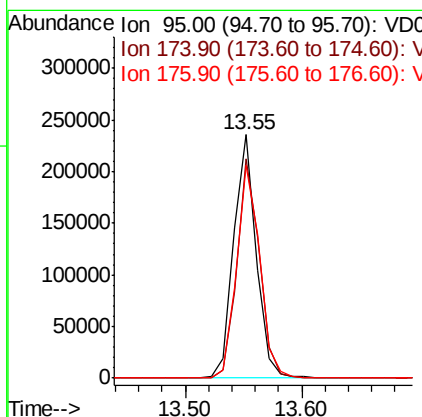
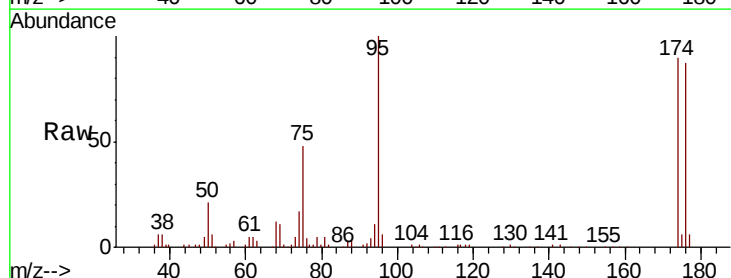
Instrument :
MSVOA_D
ClientSampleId :
TP-D

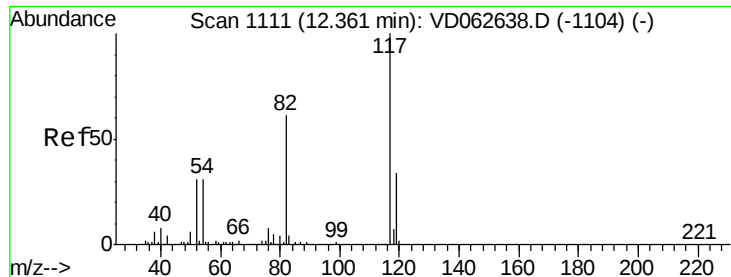
Tot Ion: 98 Resp: 654648
Ion Ratio Lower Upper
98 100
100 72.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 27.535 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Tgt Ion: 95 Resp: 314686
Ion Ratio Lower Upper
95 100
174 90.0 0.0 167.0
176 87.4 0.0 159.2

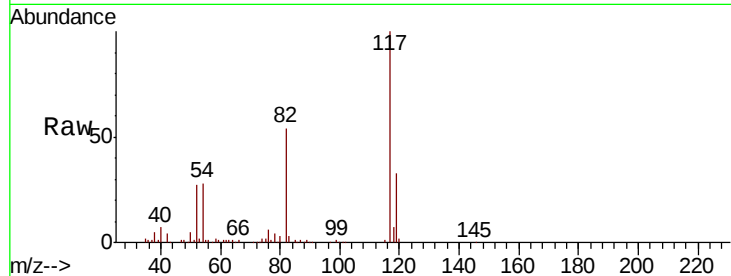




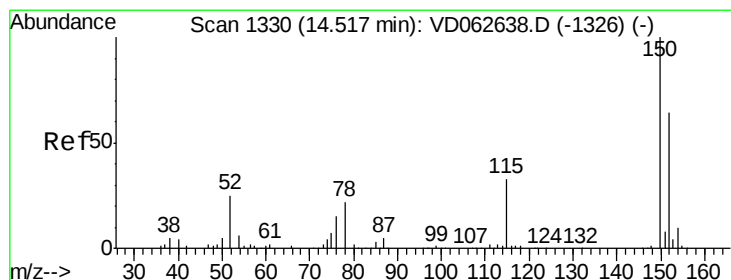
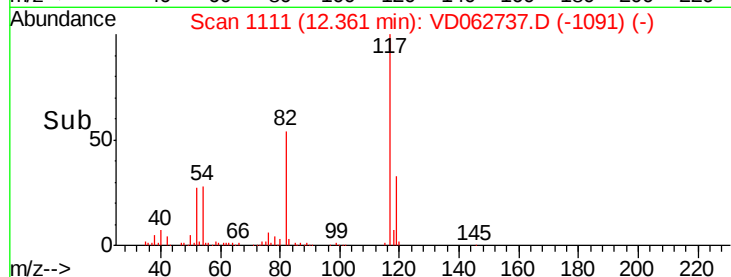
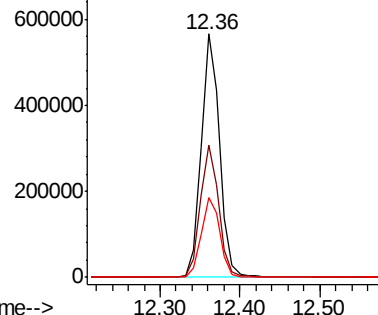
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
TP-D

Tot Ion:117 Resp: 921750
Ion Ratio Lower Upper
117 100
82 54.3 48.7 73.1
119 32.5 27.0 40.6

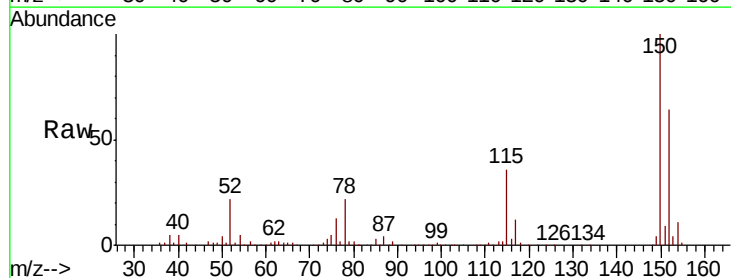


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

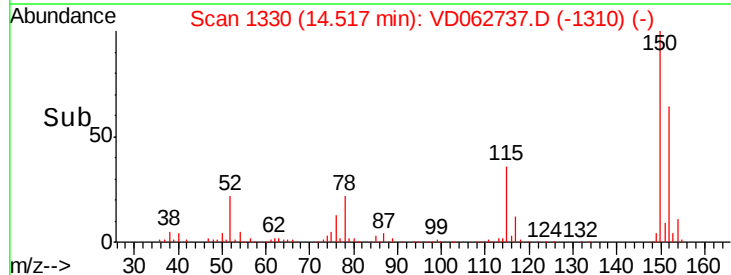
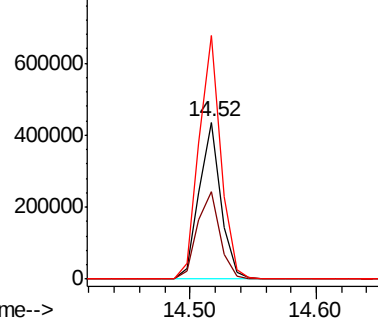


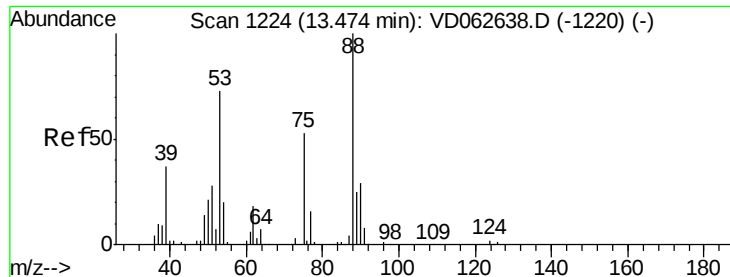
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Tgt Ion:152 Resp: 515233
Ion Ratio Lower Upper
152 100
115 56.2 30.1 90.5
150 155.4 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: 72.844 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

TP-D

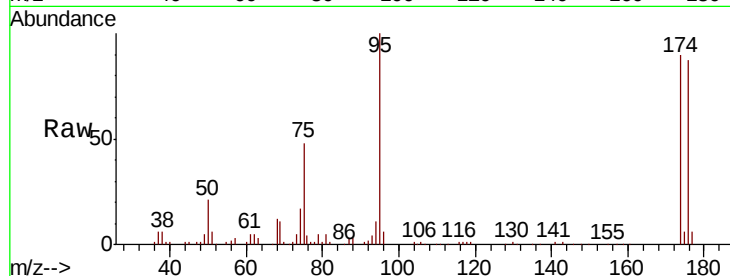
Tot Ion: 75 Resp: 154913

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

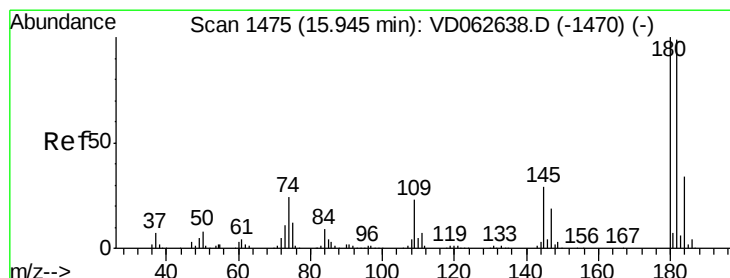
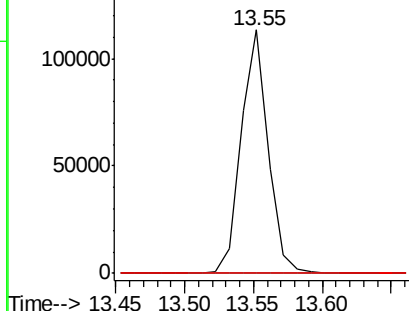
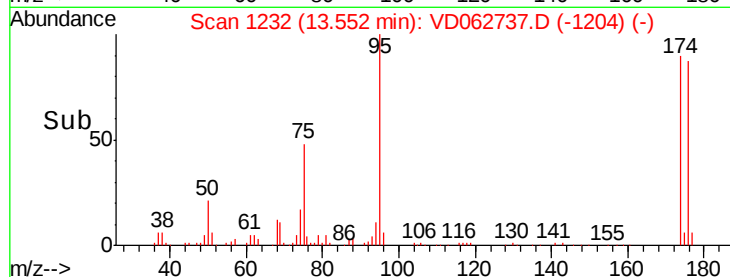
89 0.0 37.0 55.6#



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: 3.641 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062737.D

Acq: 17 Jun 2019 20:00

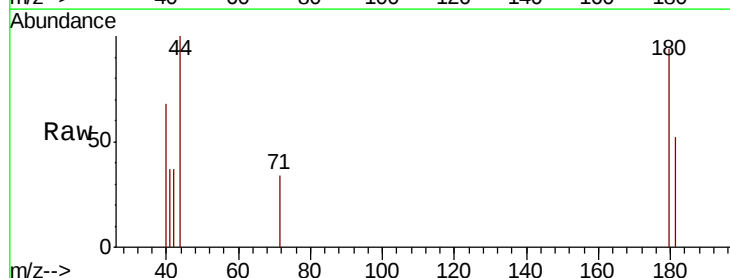
Tgt Ion:180 Resp: 1039

Ion Ratio Lower Upper

180 100

182 55.2 49.4 148.2

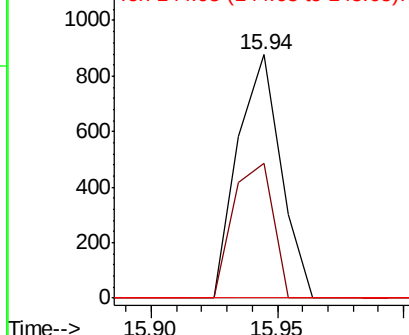
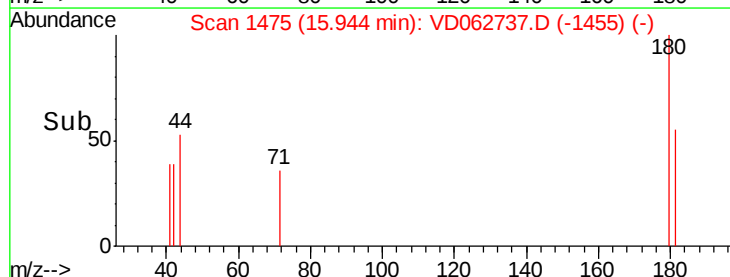
145 0.0 14.5 43.6#

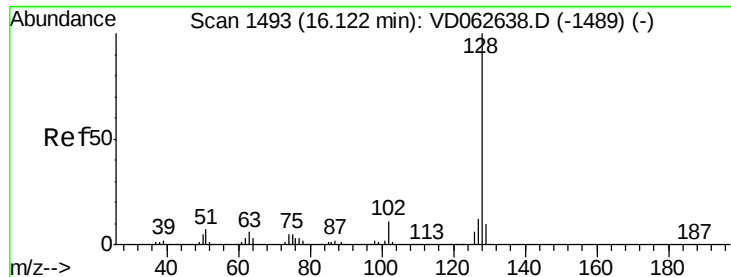


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

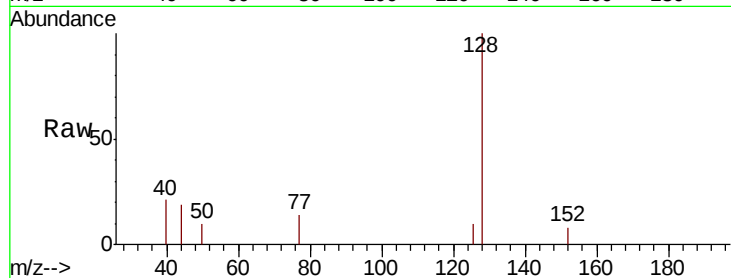




#95
Naphthalene
Concen: 3.613 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062737.D
Acq: 17 Jun 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
TP-D

Tot Ion:128 Resp: 3280
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

