

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062757.D
 Acq On : 18 Jun 2019 18:41
 Operator : VA/AP
 Sample : K3154-01RE
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:26:46 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	712325	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	872228	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	714649	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	366342	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	364571	35.47	ug/l	0.00
Spiked Amount			Recovery	=	70.94%	
35) Dibromofluoromethane	6.92	113	360691	39.21	ug/l	0.00
Spiked Amount			Recovery	=	78.42%	
50) Toluene-d8	10.41	98	724013	37.41	ug/l	0.00
Spiked Amount			Recovery	=	74.82%	
62) 4-Bromofluorobenzene	13.55	95	308439	34.16	ug/l	0.00
Spiked Amount			Recovery	=	68.32%	

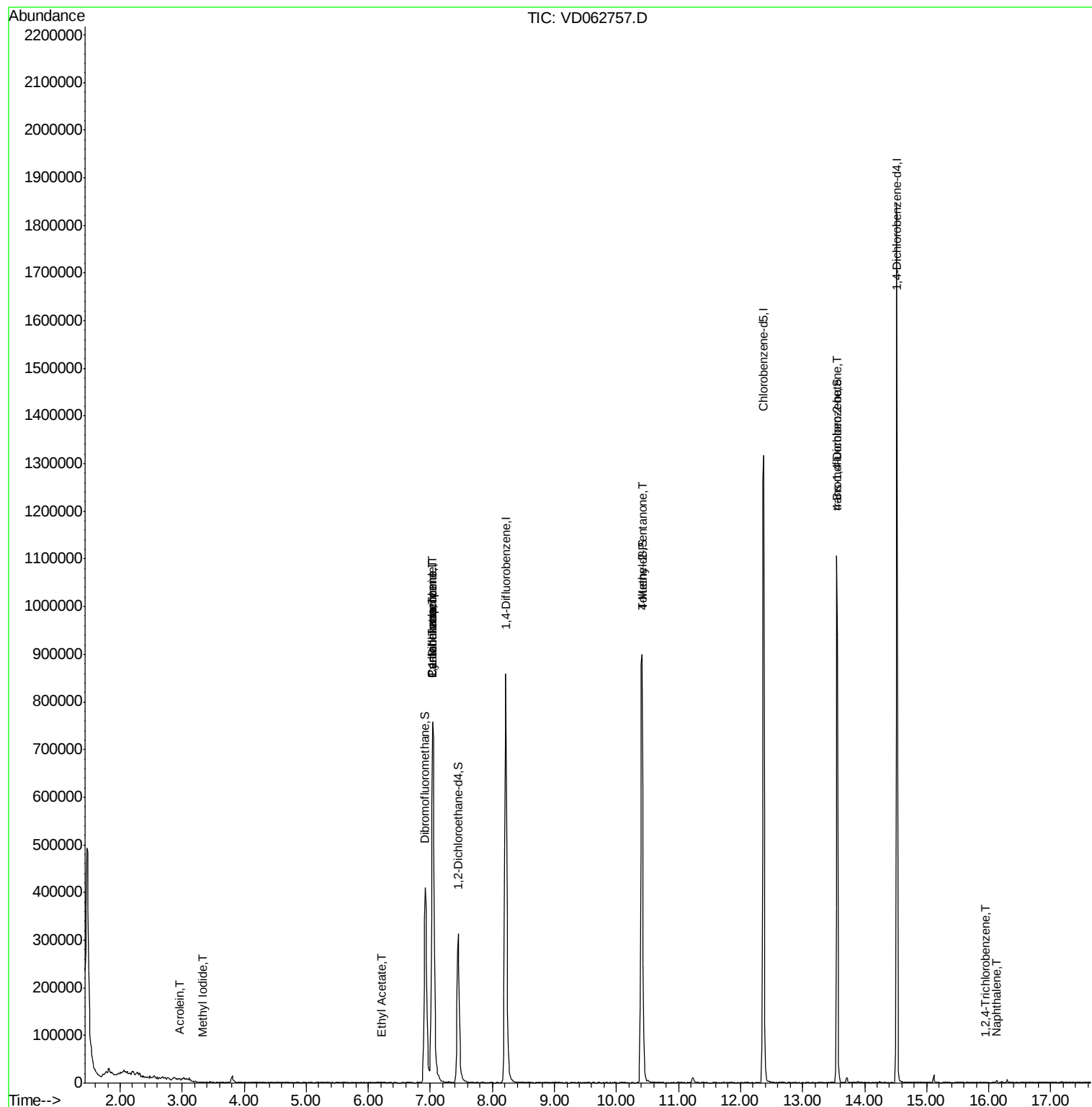
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	781	Below Cal	#	42
10) Methyl Iodide	3.32	142	182	4.022	ug/l #	24
13) Acrolein	2.97	56	189	1.391	ug/l #	12
31) Cyclohexane	7.04	56	18250	2.250	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	56710	5.681	ug/l #	52
37) Ethyl Acetate	6.22	43	249	1.258	ug/l #	74
38) Carbon Tetrachloride	7.04	117	71877	4.555	ug/l #	19
51) 4-Methyl-2-Pentanone	10.41	43	6944	1.884	ug/l #	5
81) trans-1,4-Dichloro-2-buten	13.55	75	152007	99.047	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	628	3.630	ug/l #	11
95) Naphthalene	16.12	128	2627	3.633	ug/l #	71

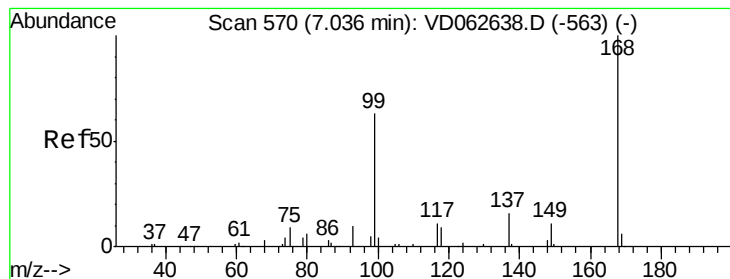
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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Acq On : 18 Jun 2019 18:41
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Quant Time: Jun 19 05:26:46 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. 0.01 min

Lab File: VD062757.D

Acq: 18 Jun 2019 18:41

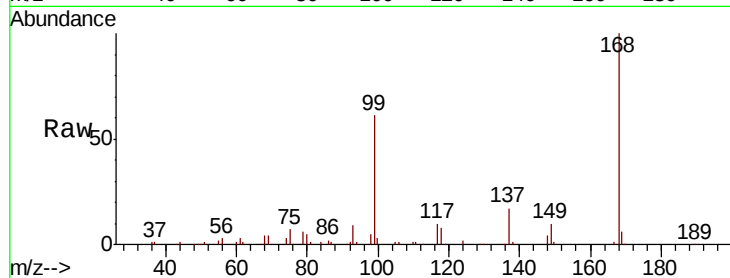
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 712325

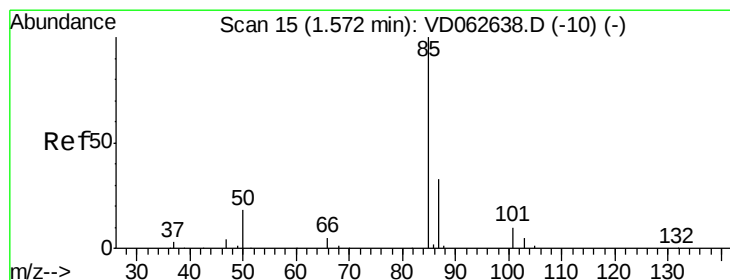
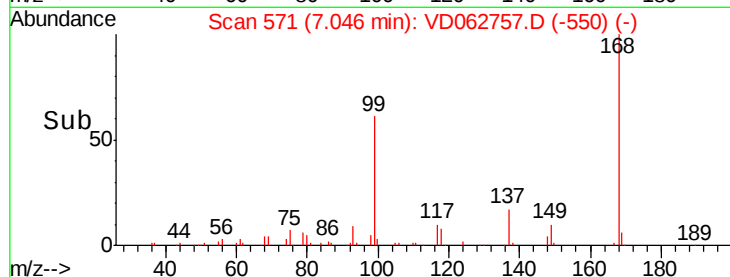
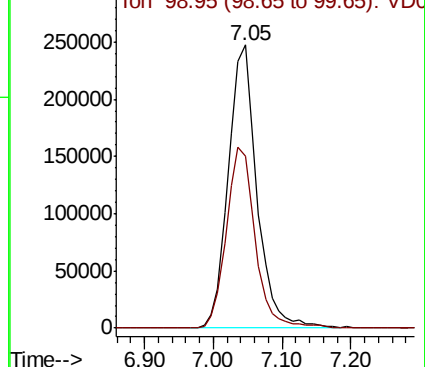
Ion Ratio Lower Upper

168 100

99 60.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062757.D

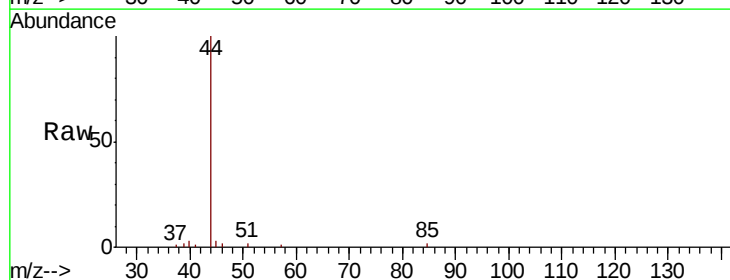
Acq: 18 Jun 2019 18:41

Tgt Ion: 85 Resp: 781

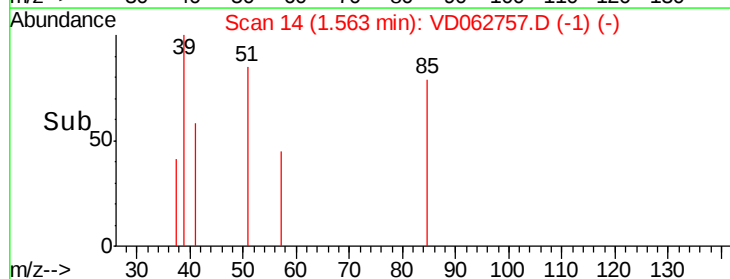
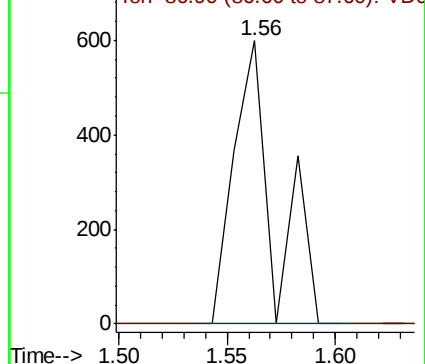
Ion Ratio Lower Upper

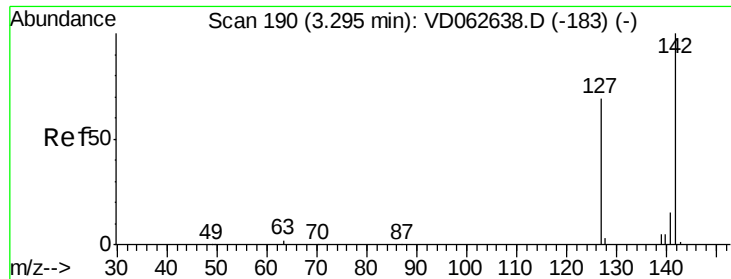
85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

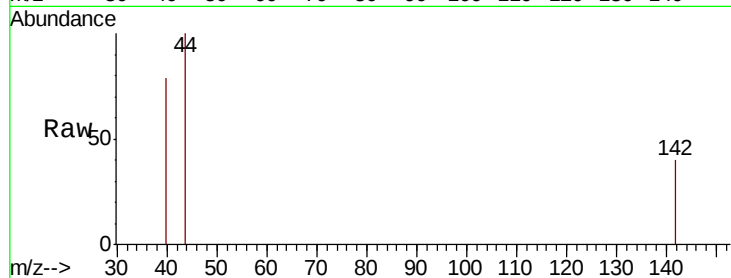




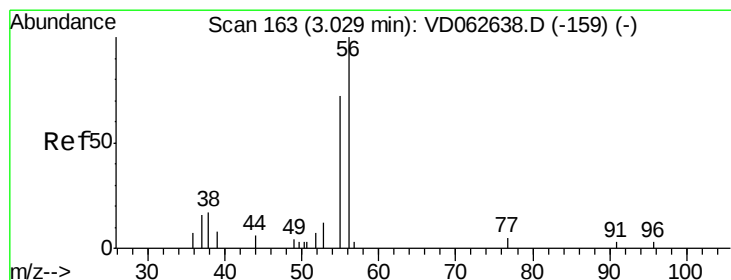
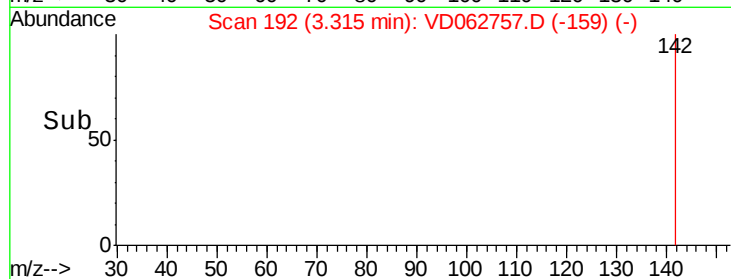
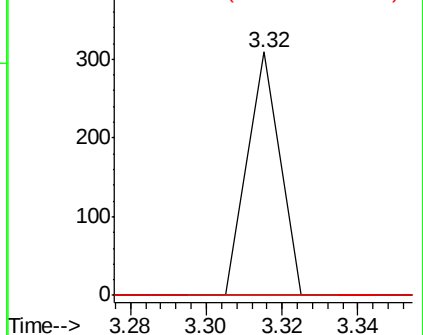
#10
Methyl Iodide
Concen: 4.022 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

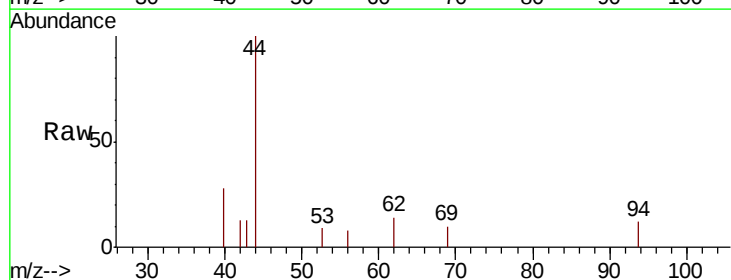


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

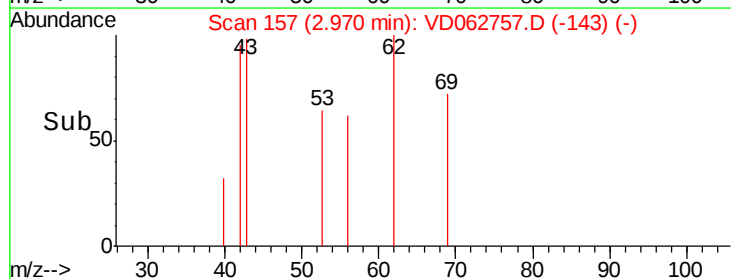
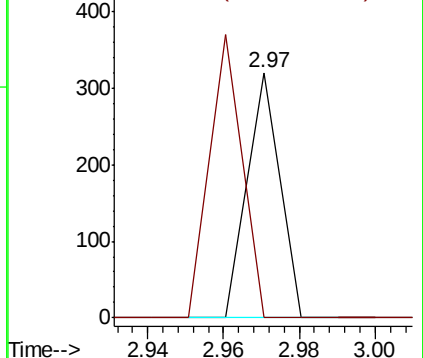


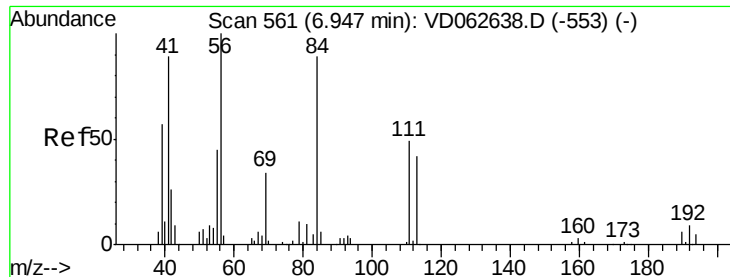
#13
Acrolein
Concen: 1.391 ug/l
RT: 2.97 min Scan# 157
Delta R.T. -0.06 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Tgt Ion: 56 Resp: 189
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

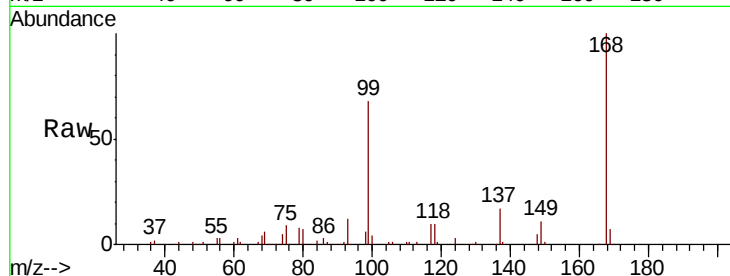




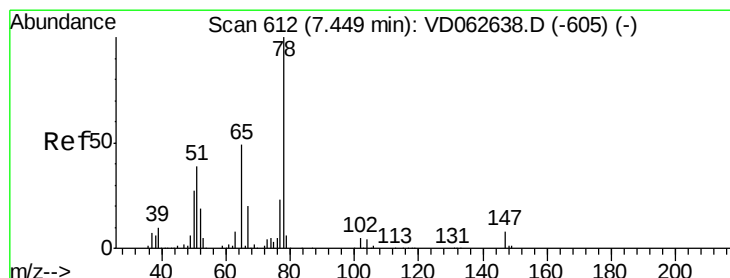
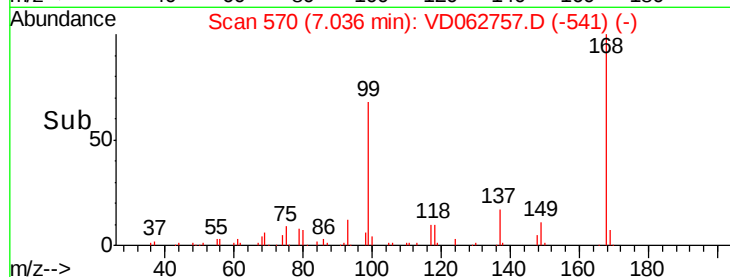
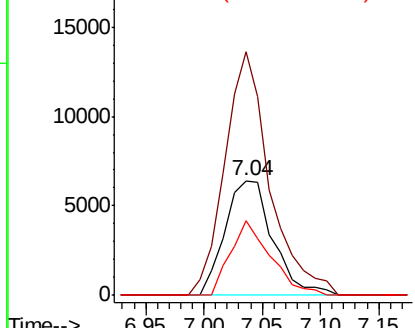
#31
Cyclohexane
Concen: 2.250 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18250
Ion Ratio Lower Upper
56 100
69 211.8 26.8 40.2#
84 64.8 73.9 110.9#

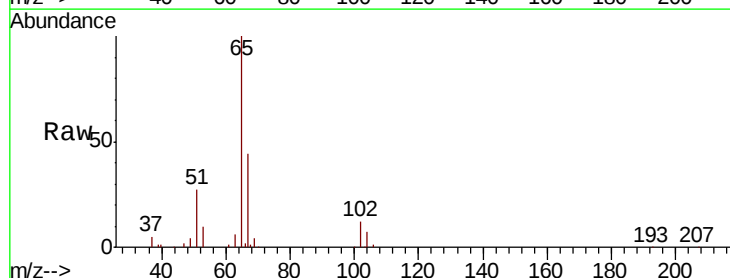


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

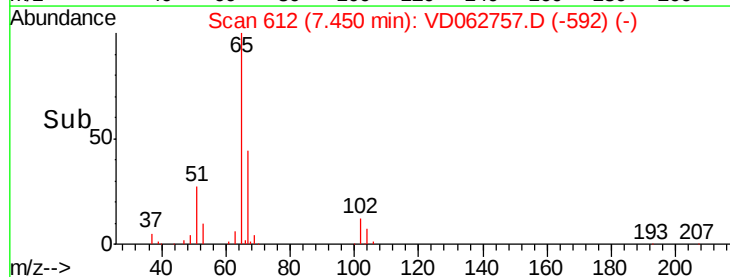
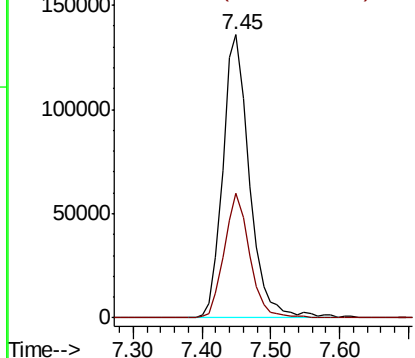


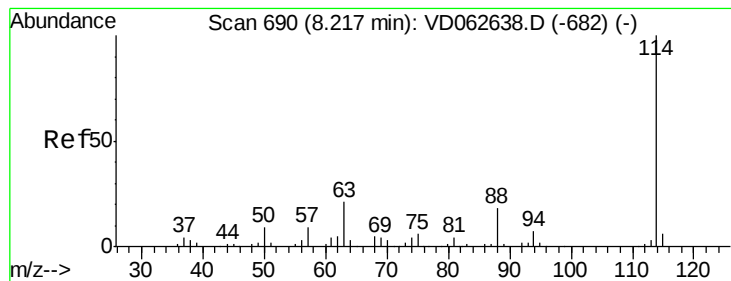
#33
1,2-Dichloroethane-d4
Concen: 35.468 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Tgt Ion: 65 Resp: 364571
Ion Ratio Lower Upper
65 100
67 43.8 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. 0.00 min

Lab File: VD062757.D

Acq: 18 Jun 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

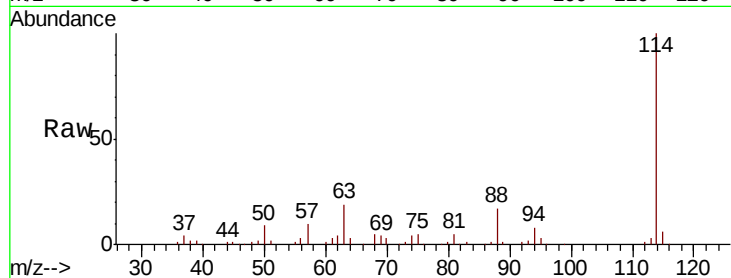
Tot Ion:114 Resp: 872228

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

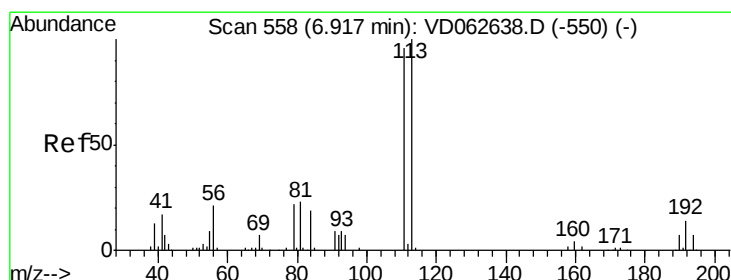
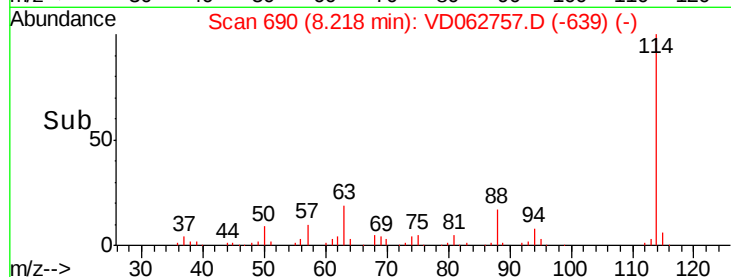
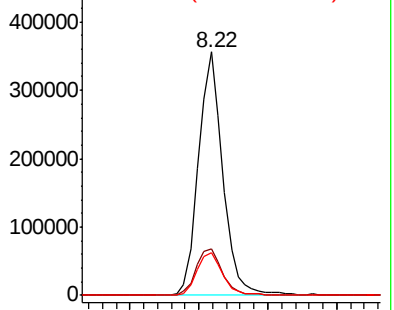
88 17.4 0.0 36.8



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: 39.211 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062757.D

Acq: 18 Jun 2019 18:41

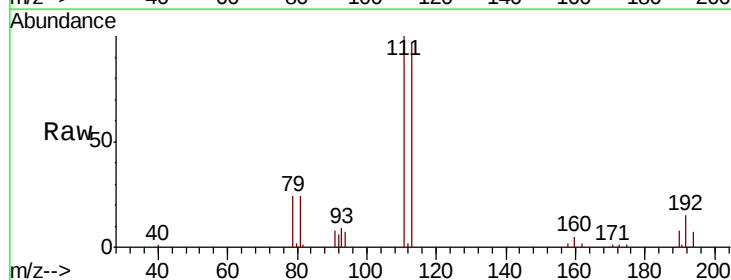
Tgt Ion:113 Resp: 360691

Ion Ratio Lower Upper

113 100

111 102.7 76.4 114.6

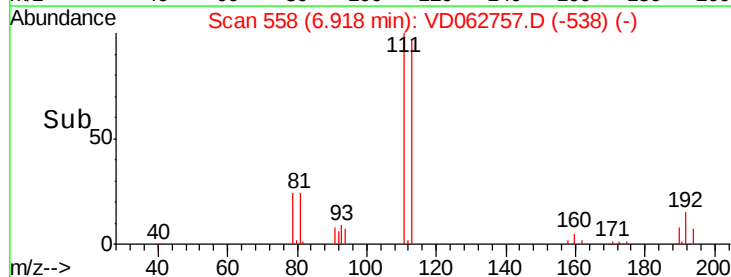
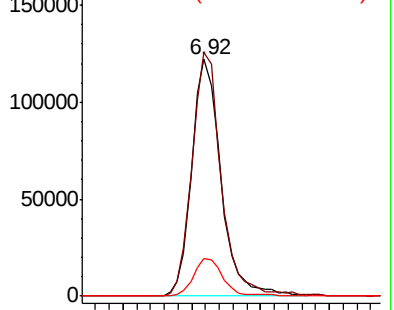
192 15.8 11.4 17.0

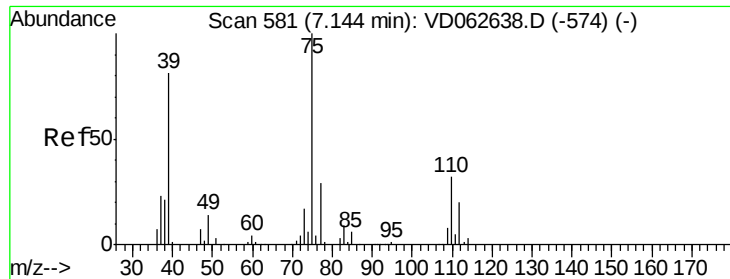


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.681 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062757.D

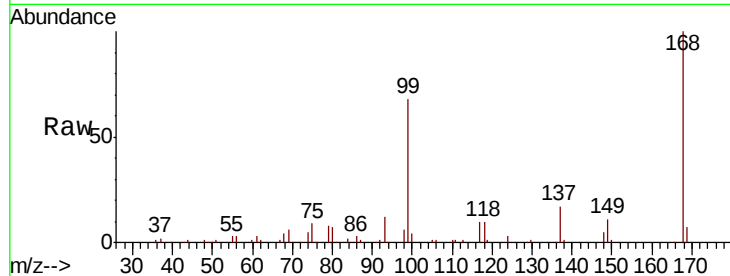
Acq: 18 Jun 2019 18:41

Instrument :

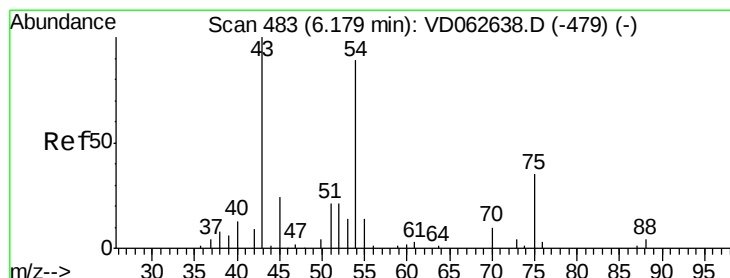
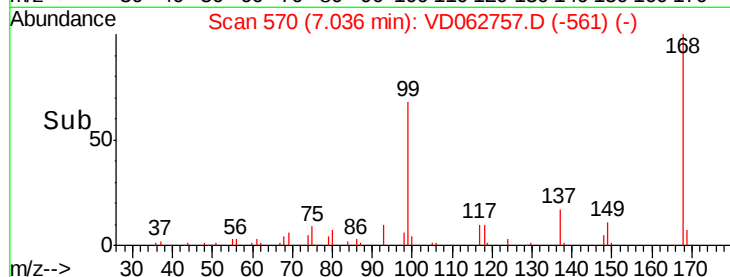
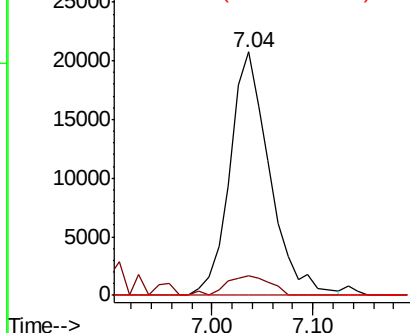
MSVOA_D

ClientSampleId :

Tot Ion:	75	Resp:	56710
Ion	Ratio	Lower	Upper
75	100		
110	7.9	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: 1.258 ug/l

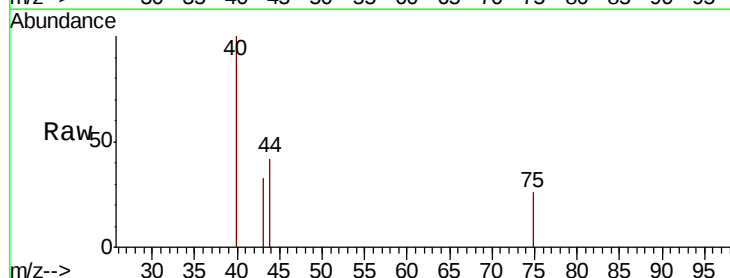
RT: 6.22 min Scan# 487

Delta R.T. 0.04 min

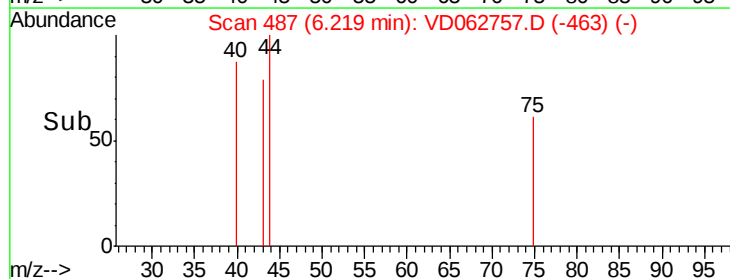
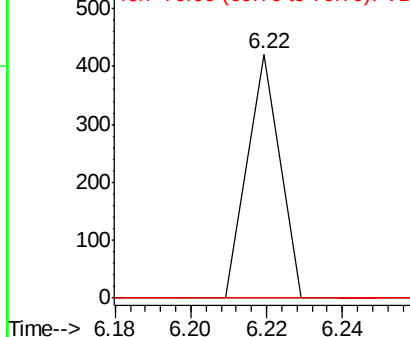
Lab File: VD062757.D

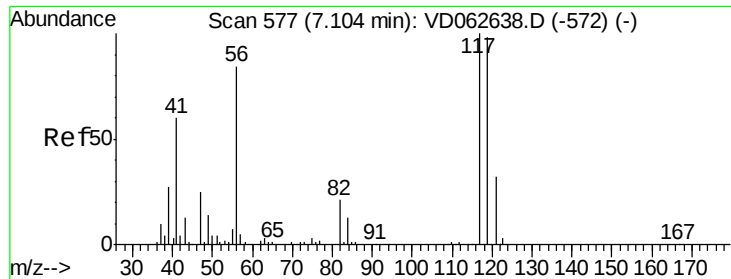
Acq: 18 Jun 2019 18:41

Tgt Ion:	43	Resp:	249
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

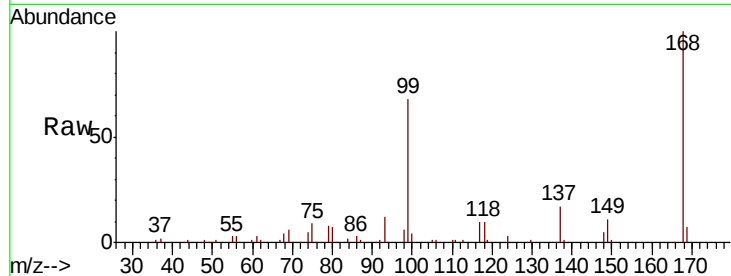




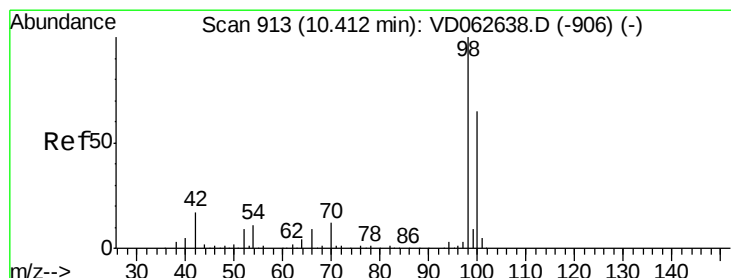
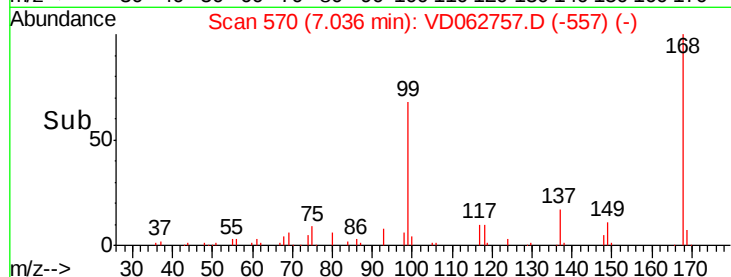
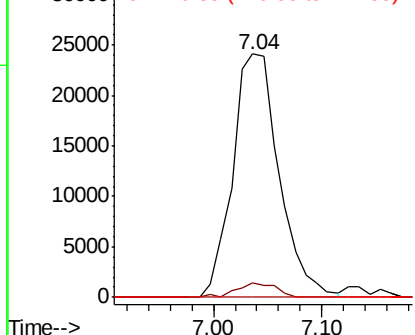
#38
Carbon Tetrachloride
Concen: 4.555 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 71877
Ion Ratio Lower Upper
117 100
119 6.1 73.5 110.3#
121 0.0 24.2 36.4#

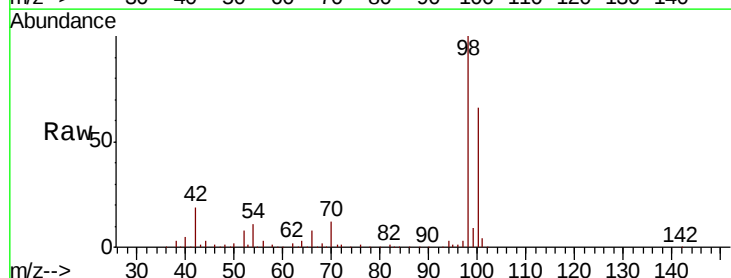


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

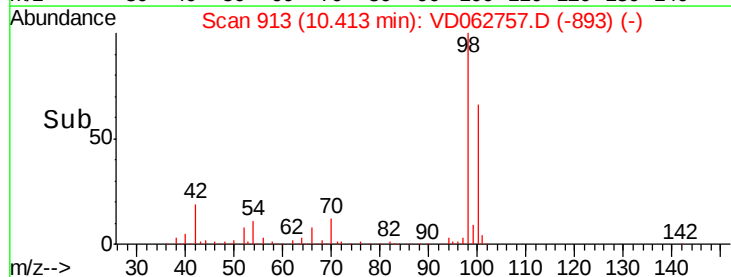
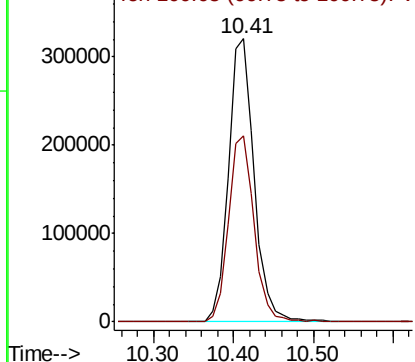


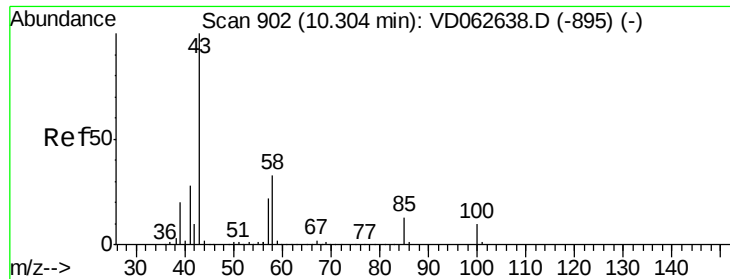
#50
Toluene-d8
Concen: 37.415 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Tgt Ion: 98 Resp: 724013
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



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

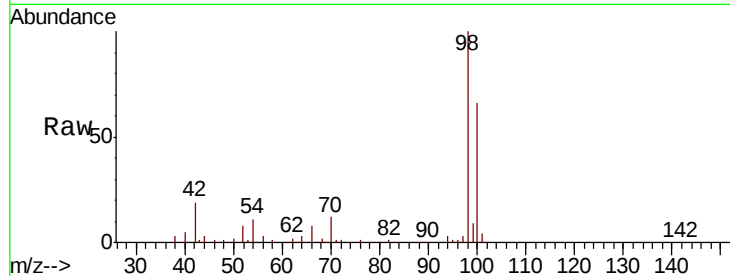




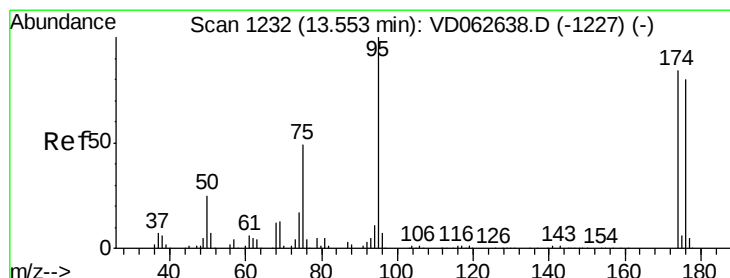
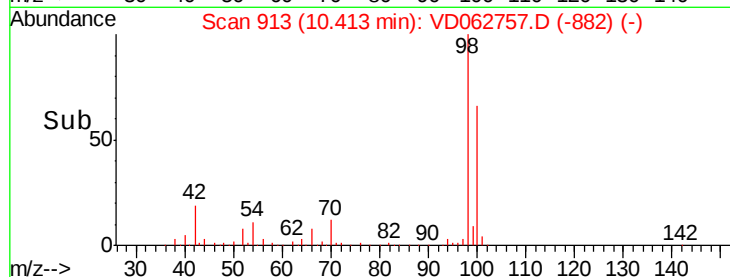
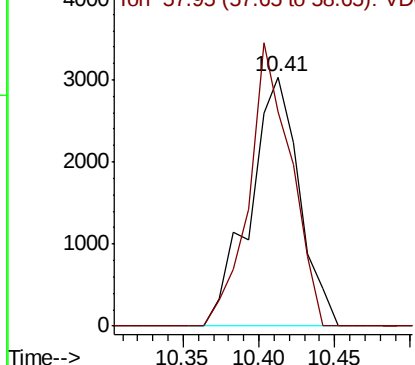
#51
4-Methyl-2-Pentanone
Concen: 1.884 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 6944
Ion Ratio Lower Upper
43 100
58 86.1 26.1 39.1#

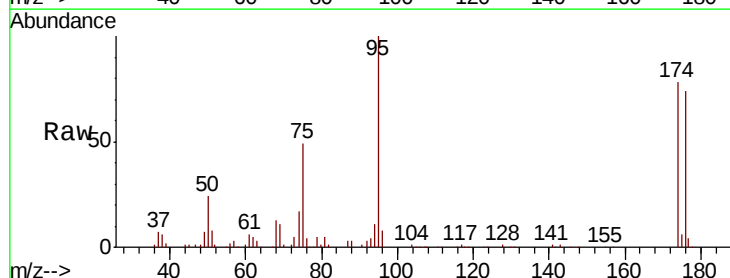


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

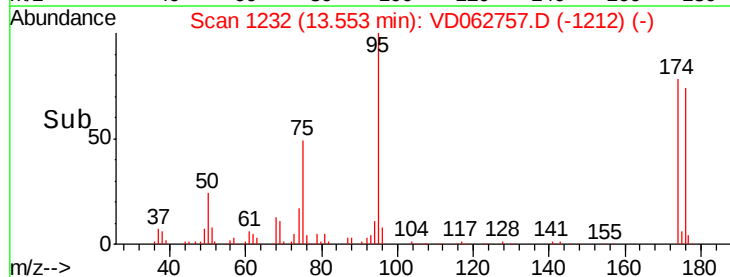
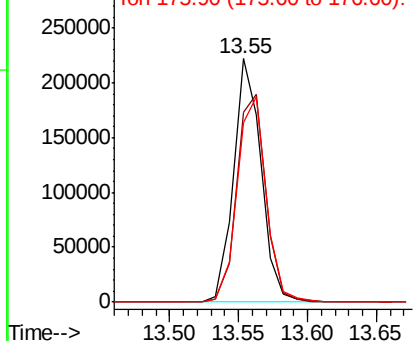


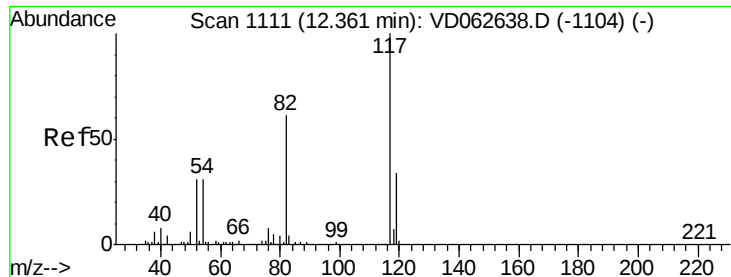
#62
4-Bromofluorobenzene
Concen: 34.165 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Tgt Ion: 95 Resp: 308439
Ion Ratio Lower Upper
95 100
174 78.1 0.0 167.0
176 73.9 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

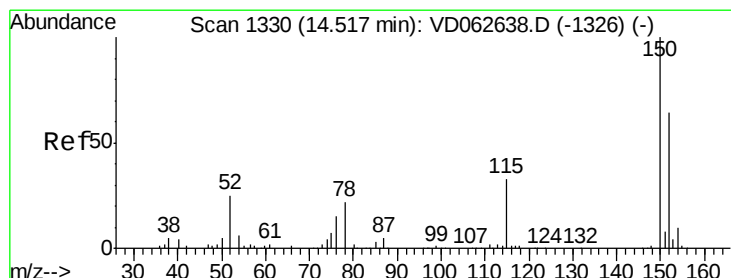
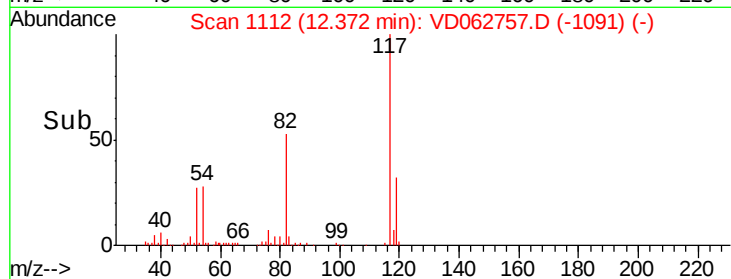
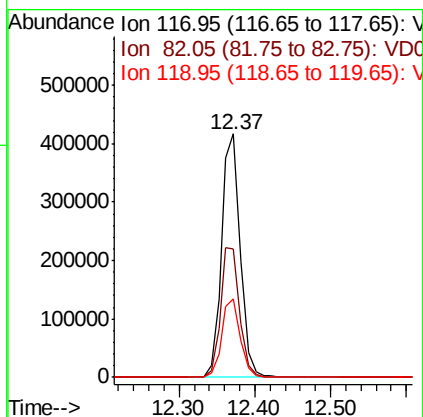
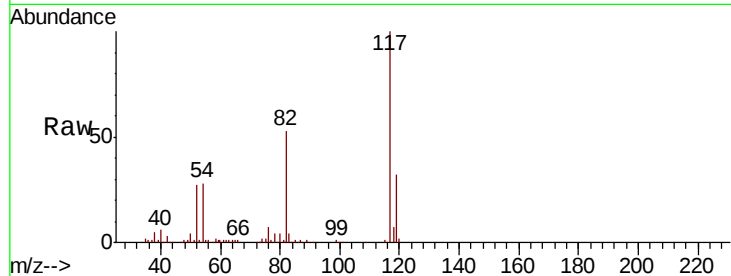




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

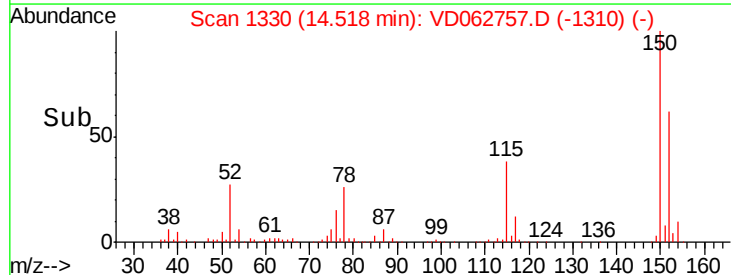
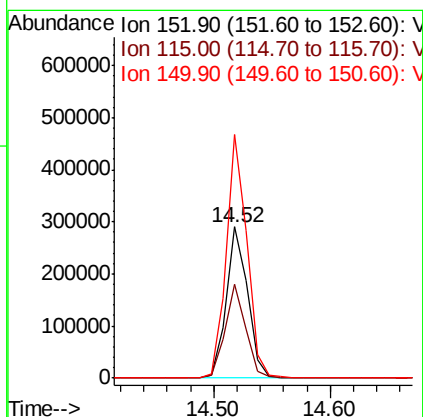
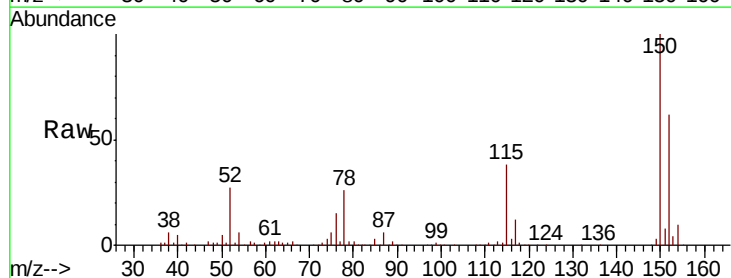
Instrument :
MSVOA_D
ClientSampled :

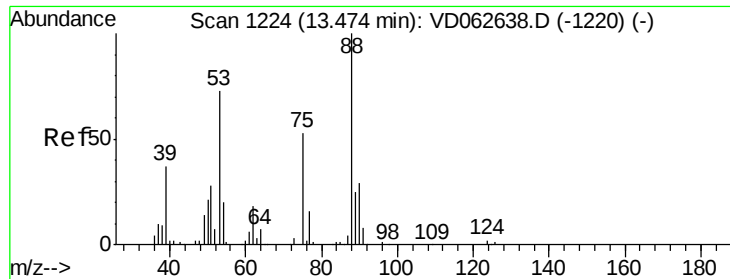
Tot Ion:117 Resp: 714649
Ion Ratio Lower Upper
117 100
82 52.6 48.7 73.1
119 32.3 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Tgt Ion:152 Resp: 366342
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 161.0 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 99.047 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062757.D

Acq: 18 Jun 2019 18:41

Instrument :

MSVOA_D

ClientSampled :

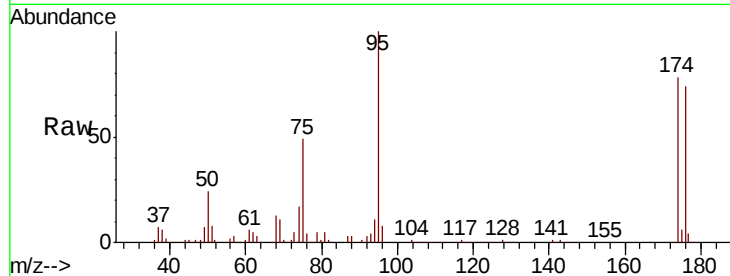
Tot Ion: 75 Resp: 152007

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

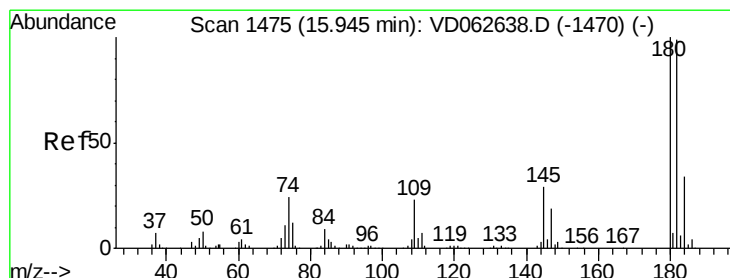
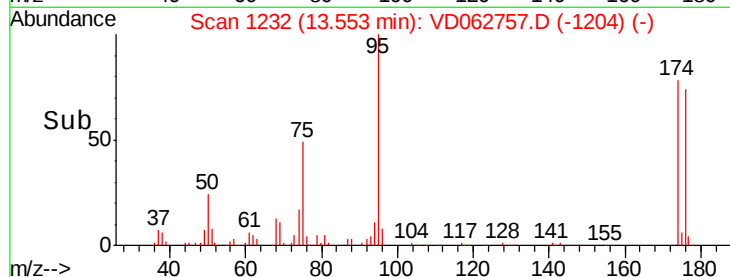
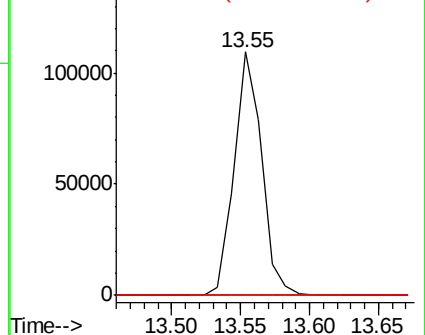
89 0.0 37.0 55.6#



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: 3.630 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062757.D

Acq: 18 Jun 2019 18:41

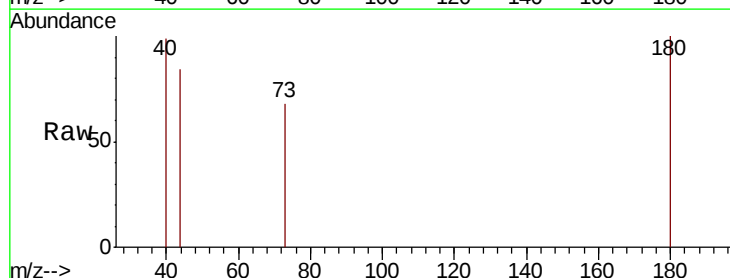
Tgt Ion:180 Resp: 628

Ion Ratio Lower Upper

180 100

182 0.0 49.4 148.2#

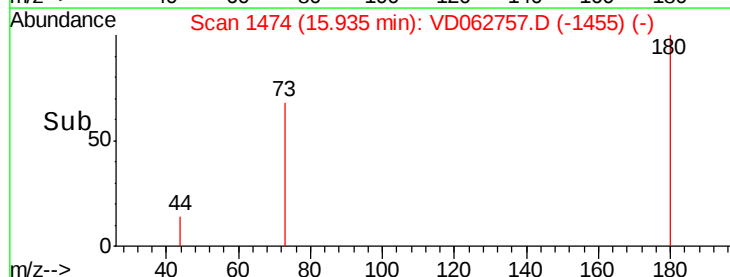
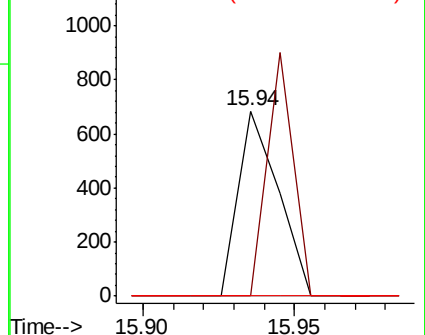
145 0.0 14.5 43.6#

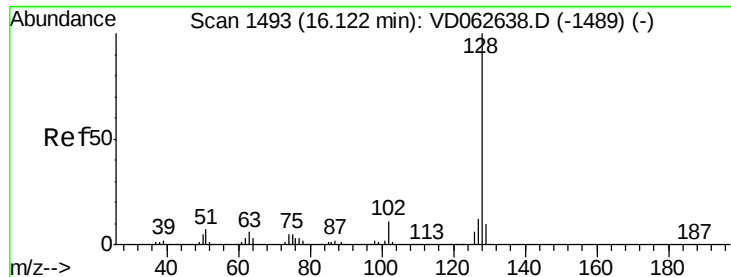


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

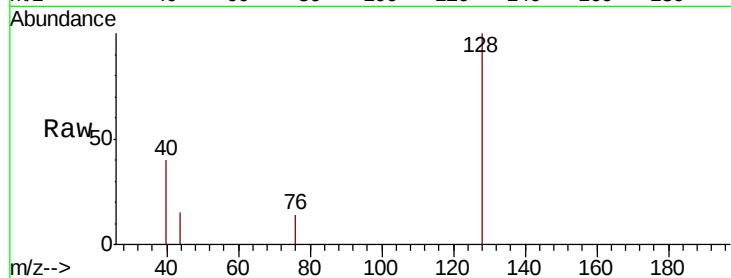




#95
Naphthalene
Concen: 3.633 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062757.D
Acq: 18 Jun 2019 18:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 2627
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

