

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062728.D
 Acq On : 17 Jun 2019 15:56
 Operator : VA/AP
 Sample : K3382-05
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-1

Quant Time: Jun 18 06:23:52 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	878792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1228030	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1038488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	521152	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	340546	26.86	ug/l	-0.01
Spiked Amount			Recovery	=	53.72%	
35) Dibromofluoromethane	6.91	113	386628	29.85	ug/l	-0.01
Spiked Amount			Recovery	=	59.70%	
50) Toluene-d8	10.40	98	755190	27.72	ug/l	-0.01
Spiked Amount			Recovery	=	55.44%	
62) 4-Bromofluorobenzene	13.55	95	387398	30.48	ug/l	0.00
Spiked Amount			Recovery	=	60.96%	

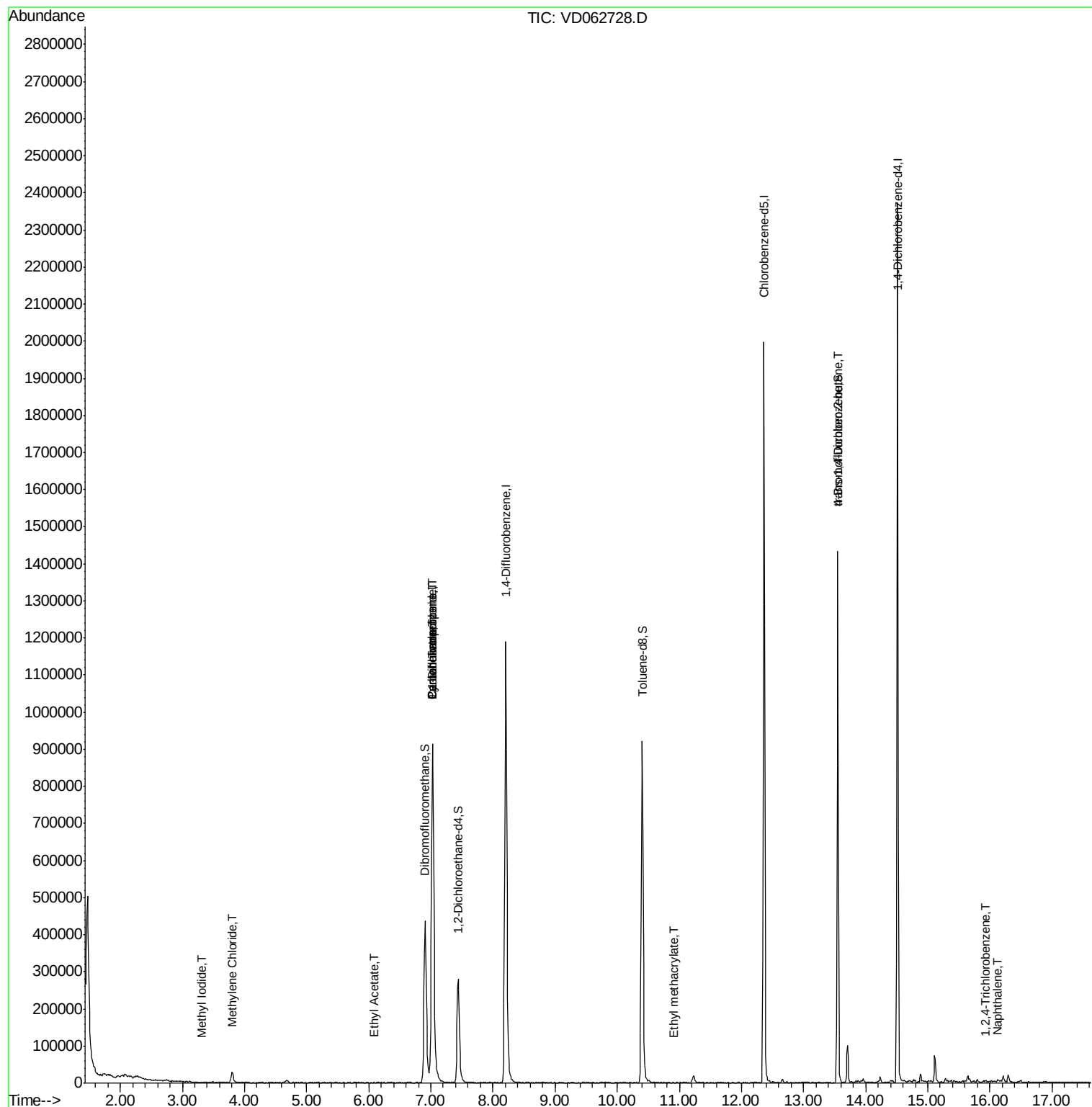
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	2123	Below Cal		83
10) Methyl Iodide	3.29	142	181	4.019	ug/l #	24
20) Methylene Chloride	3.80	84	17008	1.510	ug/l #	92
31) Cyclohexane	7.03	56	20523	2.051	ug/l #	6
36) 1,1-Dichloropropene	7.03	75	72374	5.149	ug/l #	56
37) Ethyl Acetate	6.09	43	181	1.230	ug/l #	74
38) Carbon Tetrachloride	7.03	117	90218	4.061	ug/l #	17
56) Ethyl methacrylate	10.89	69	187	3.962	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	179683	82.960	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	822	3.625	ug/l #	16
95) Naphthalene	16.12	128	3601	3.627	ug/l #	89

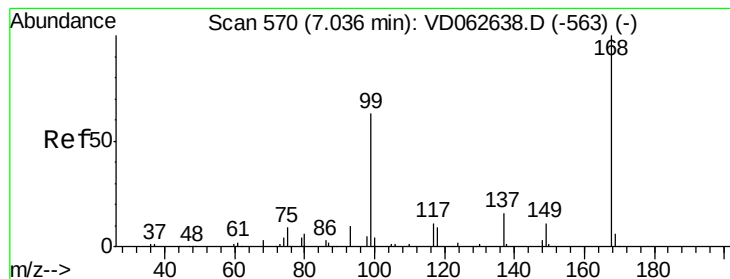
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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Quant Time: Jun 18 06:23:52 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: VD062728.D

Acq: 17 Jun 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

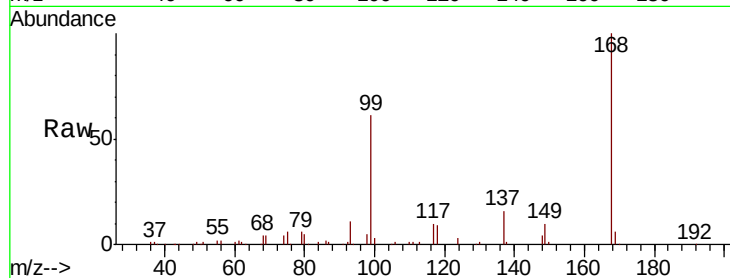
GRAVEL-1

Tot Ion:168 Resp: 878792

Ion Ratio Lower Upper

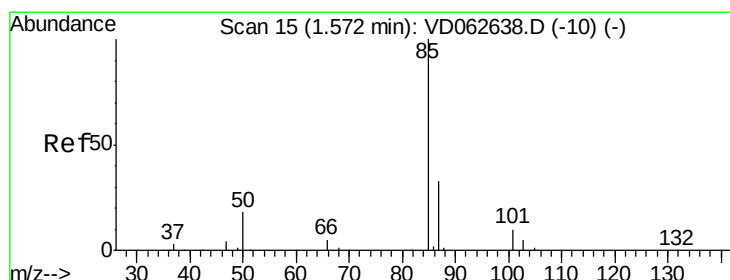
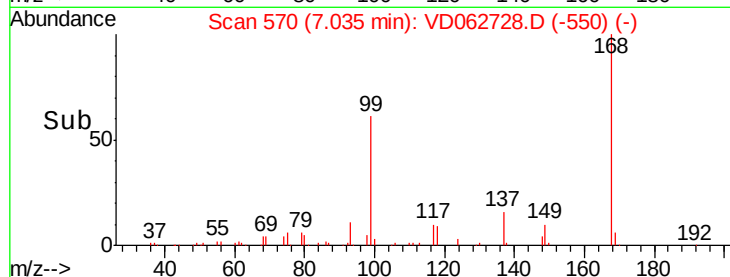
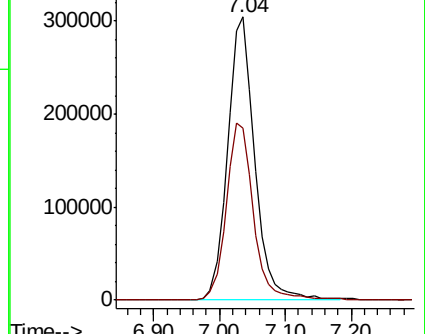
168 100

99 60.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062728.D

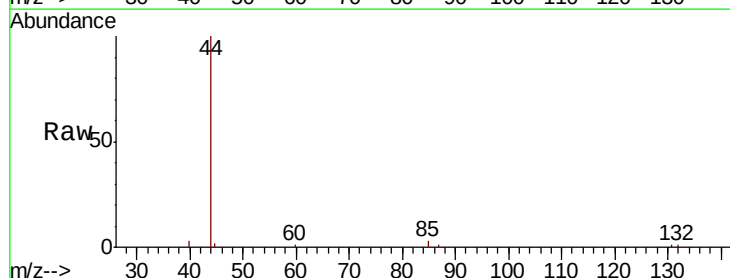
Acq: 17 Jun 2019 15:56

Tgt Ion: 85 Resp: 2123

Ion Ratio Lower Upper

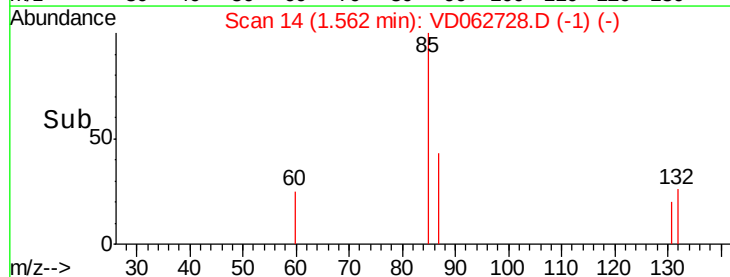
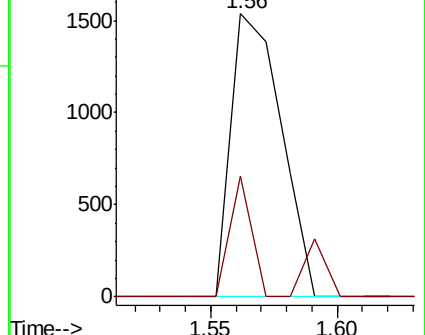
85 100

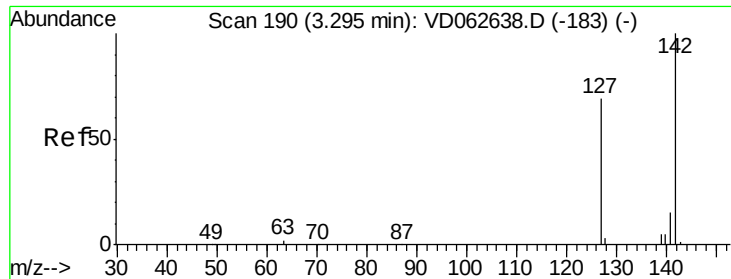
87 42.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

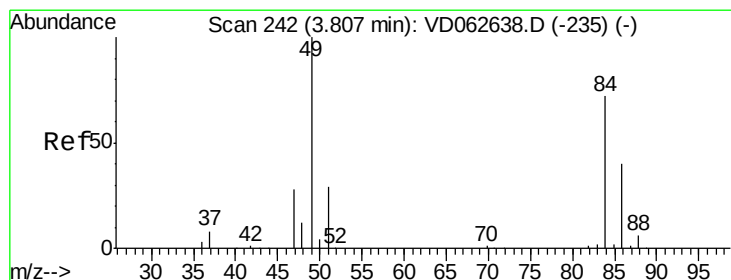
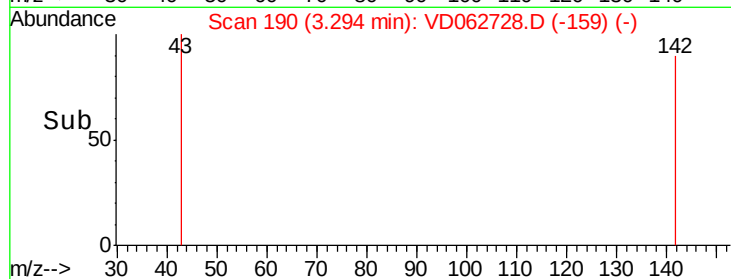
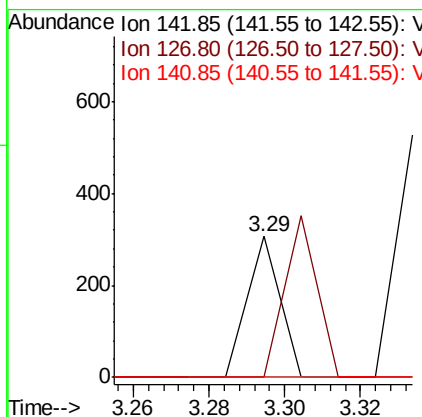
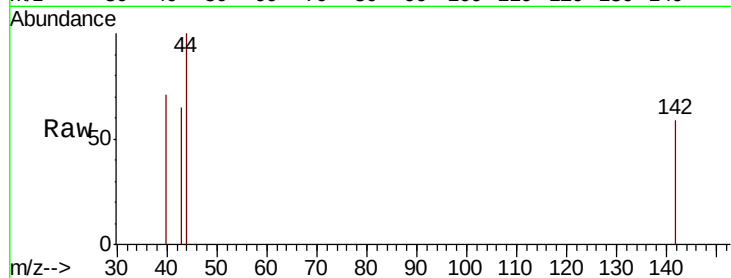




#10
Methvl Iodide
Concen: 4.019 ug/l
RT: 3.29 min Scan# 190
Delta R.T. 0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

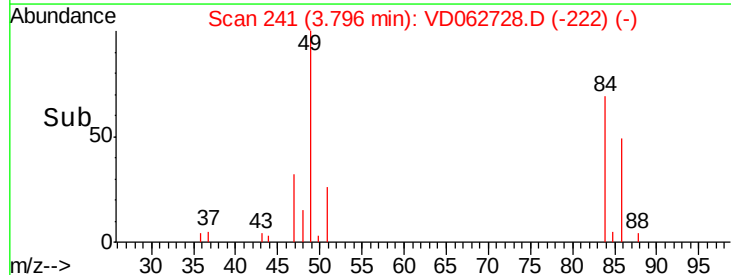
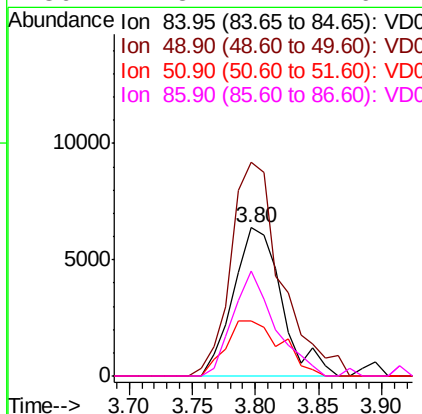
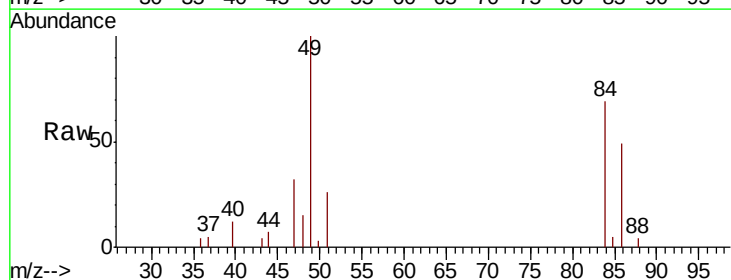
Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

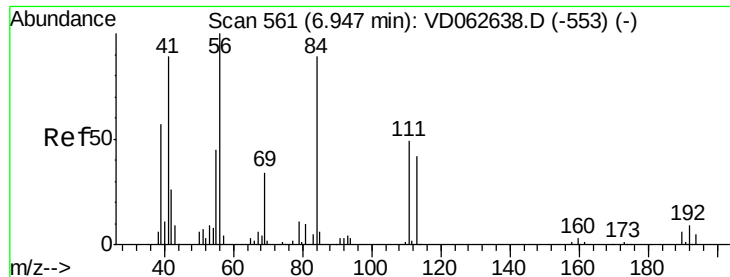
Tot Ion:142 Resp: 181
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: 1.510 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion: 84 Resp: 17008
Ion Ratio Lower Upper
84 100
49 144.3 111.2 166.8
51 37.5 31.9 47.9
86 71.3 44.7 67.1#

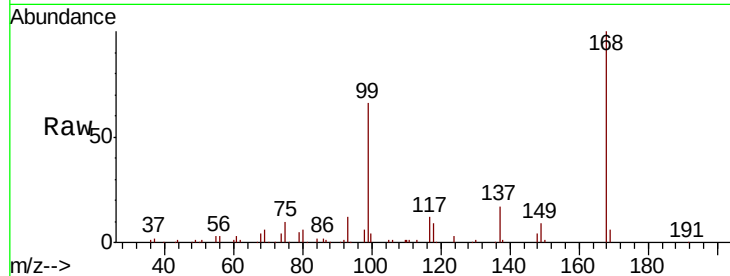




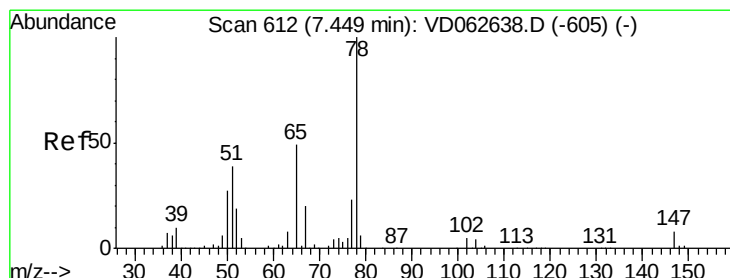
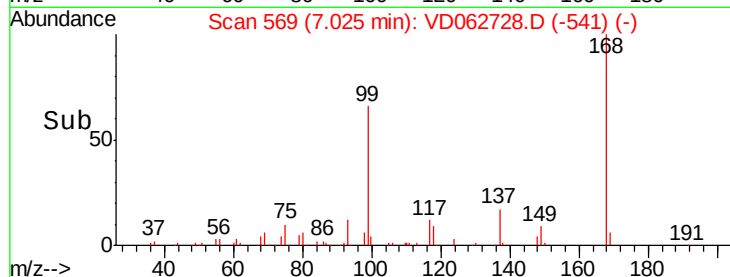
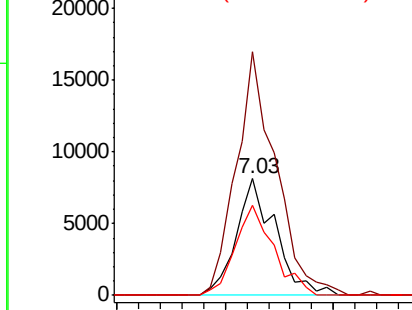
#31
Cyclohexane
Concen: 2.051 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

Tot Ion: 56 Resp: 20523
Ion Ratio Lower Upper
56 100
69 208.6 26.8 40.2#
84 77.0 73.9 110.9

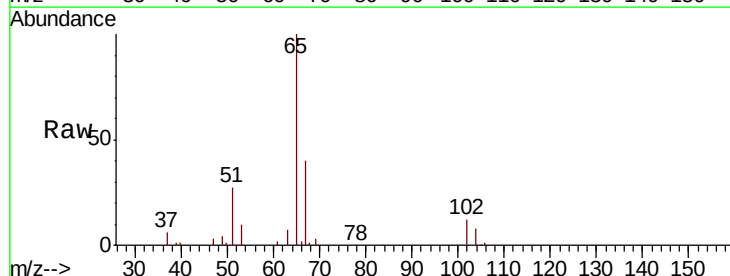


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

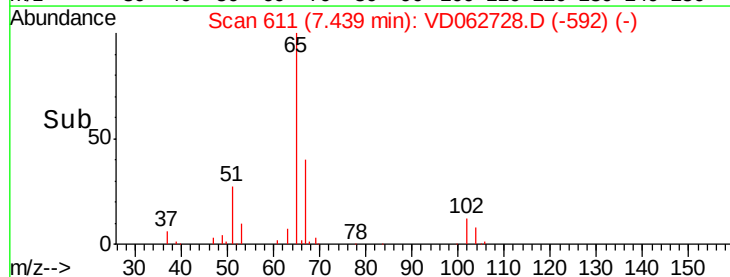
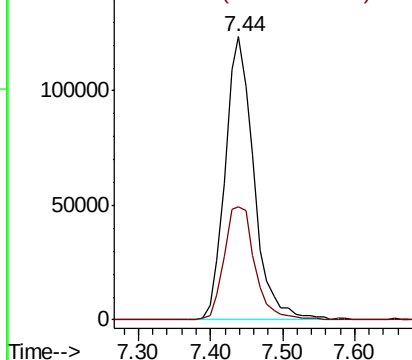


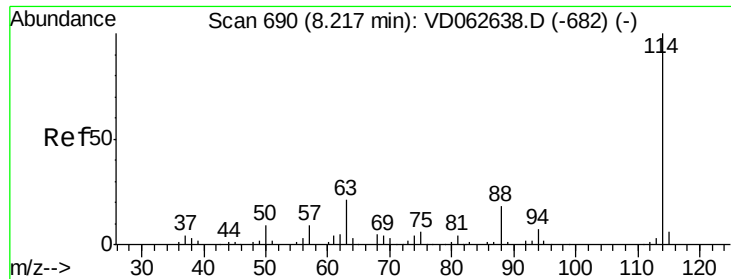
#33
1,2-Dichloroethane-d4
Concen: 26.855 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion: 65 Resp: 340546
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

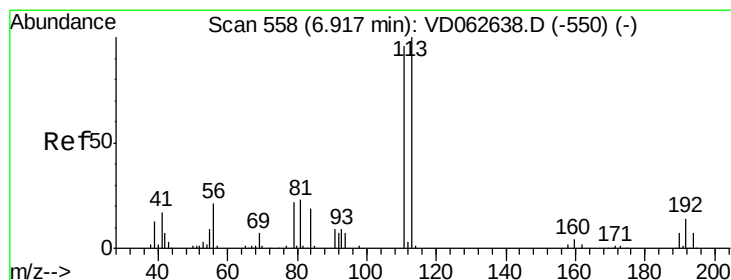
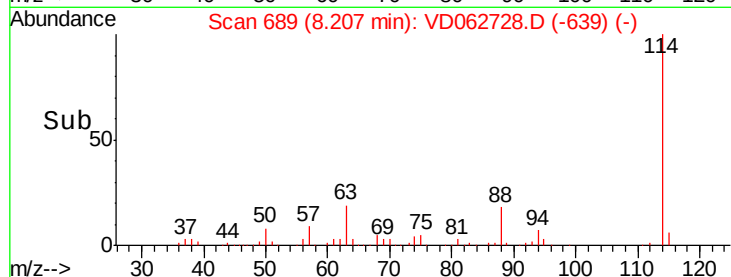
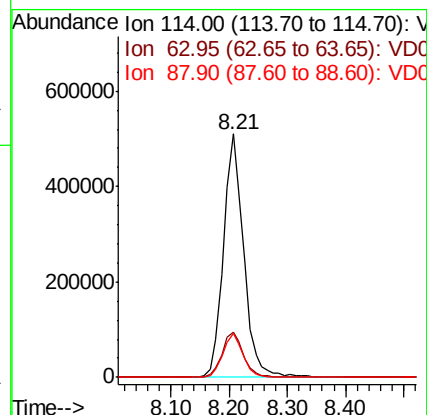
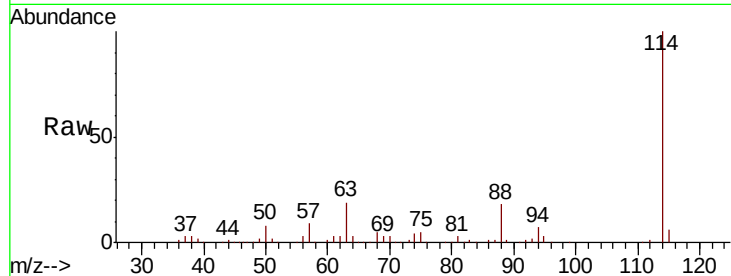




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062728.D
 Acq: 17 Jun 2019 15:56

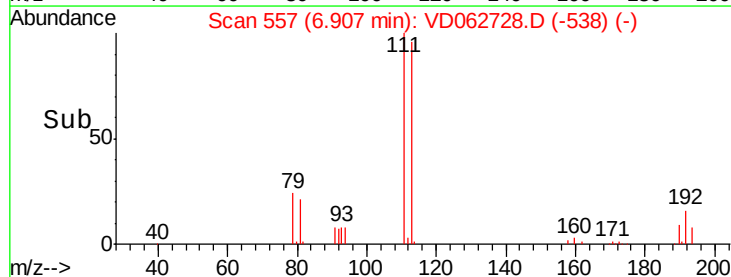
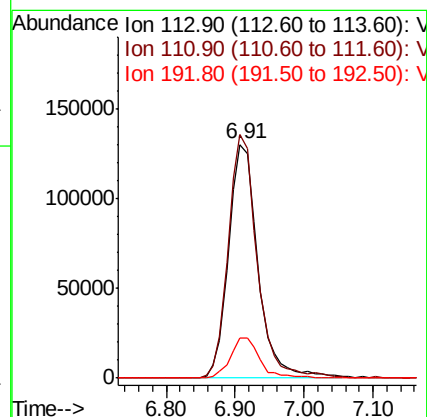
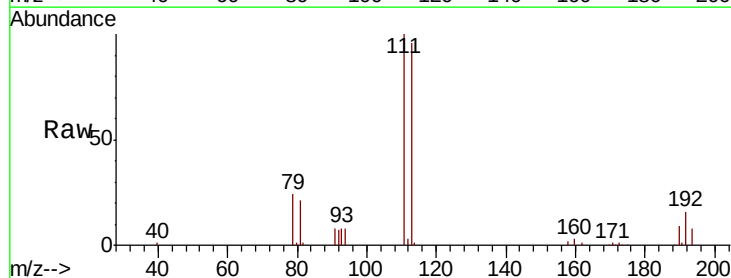
Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-1

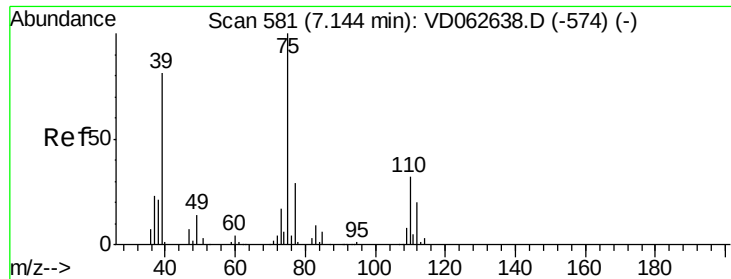
Tot Ion:114 Resp: 1228030
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 18.2 0.0 36.8



#35
 Dibromofluoromethane
 Concen: 29.853 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062728.D
 Acq: 17 Jun 2019 15:56

Tgt Ion:113 Resp: 386628
 Ion Ratio Lower Upper
 113 100
 111 104.1 76.4 114.6
 192 17.1 11.4 17.0#

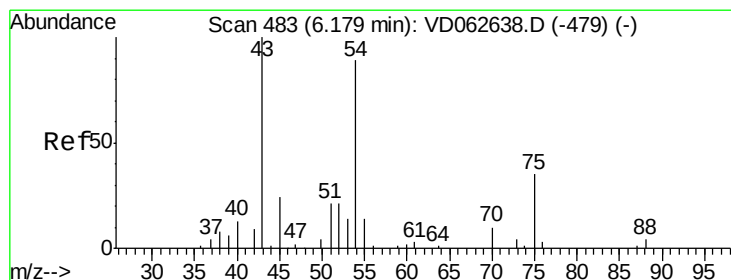
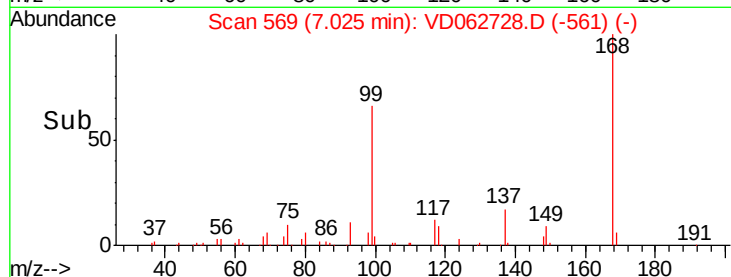
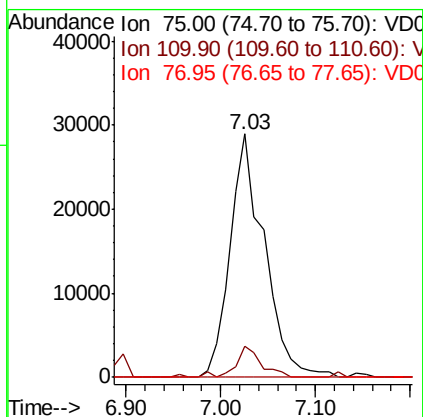
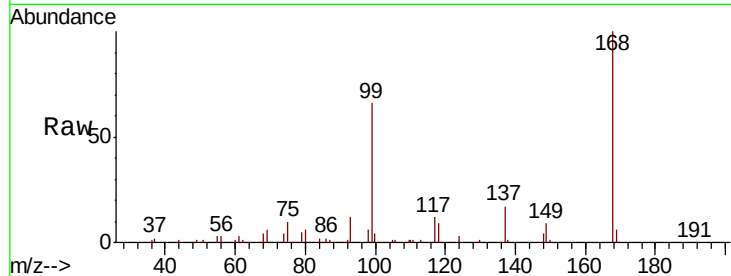




#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD062728.D
 Acq: 17 Jun 2019 15:56

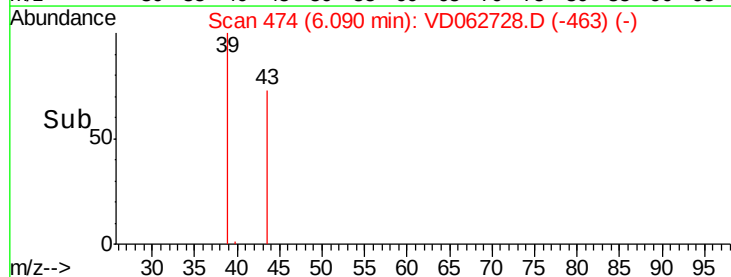
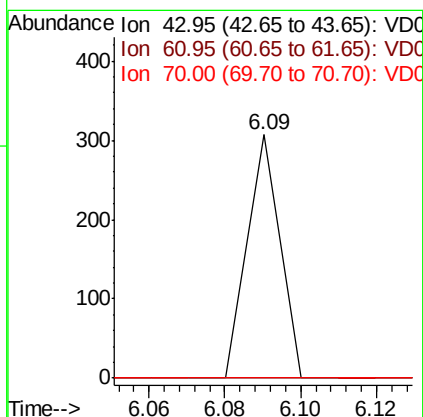
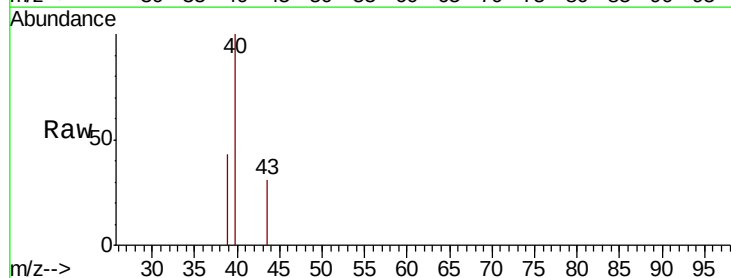
Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-1

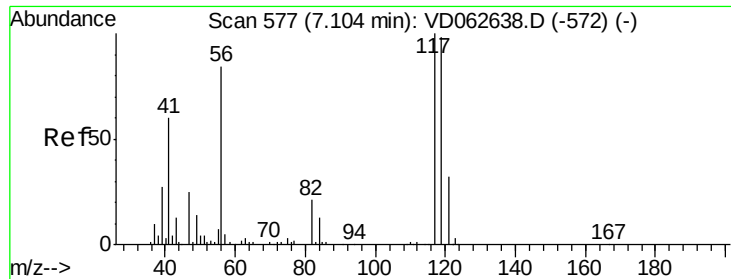
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.6	15.9	47.7#
77	0.0	23.3	34.9#



#37
 Ethyl Acetate
 Concen: 1.230 ug/l
 RT: 6.09 min Scan# 474
 Delta R.T. -0.09 min
 Lab File: VD062728.D
 Acq: 17 Jun 2019 15:56

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

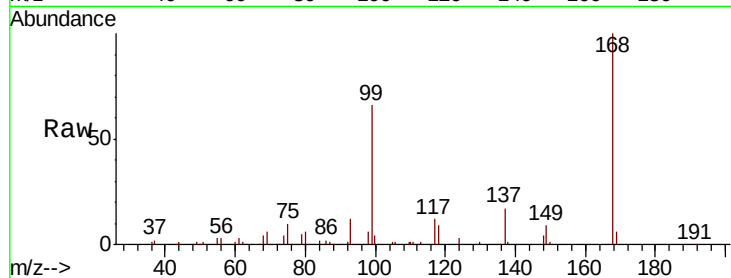




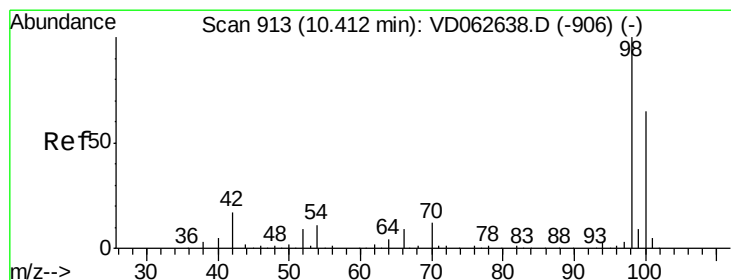
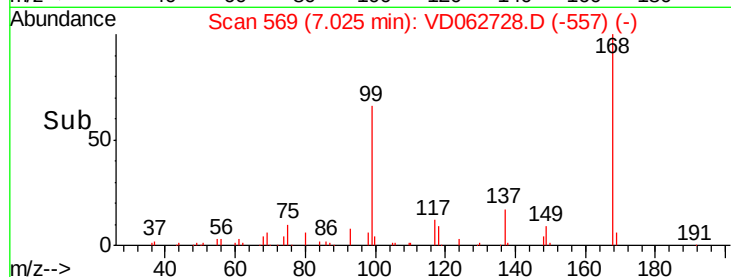
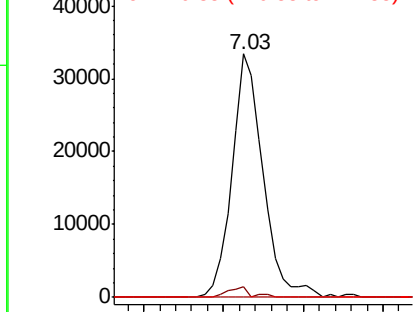
#38
Carbon Tetrachloride
Concen: 4.061 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

Tot Ion:117 Resp: 90218
Ion Ratio Lower Upper
117 100
119 4.3 73.5 110.3#
121 0.0 24.2 36.4#

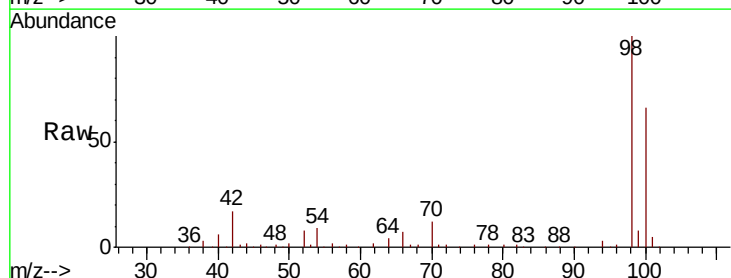


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

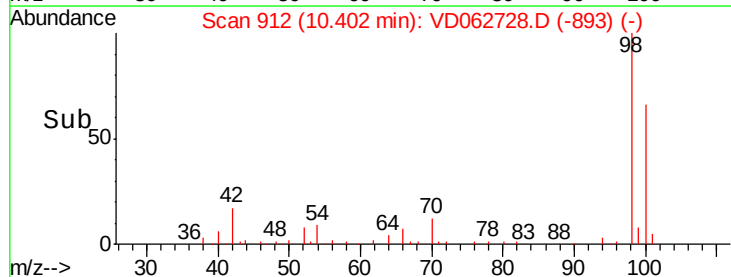
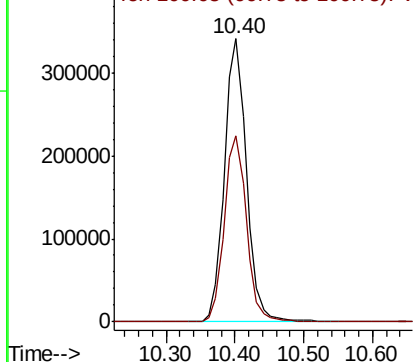


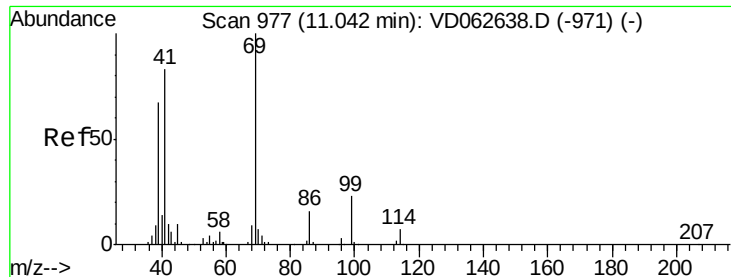
#50
Toluene-d8
Concen: 27.719 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion: 98 Resp: 755190
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



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





#56

Ethyl methacrylate

Concen: 3.962 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.15 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

GRAVEL-1

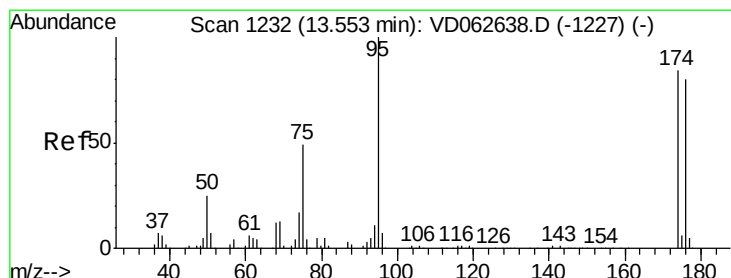
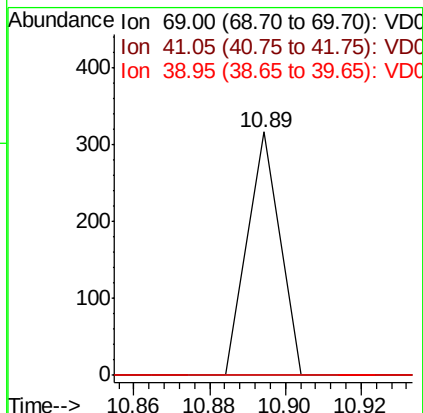
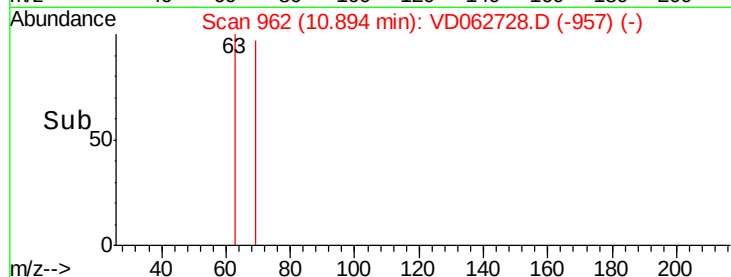
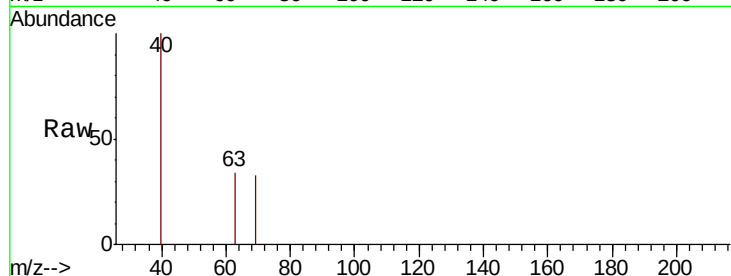
Tot Ion: 69 Resp: 187

Ion Ratio Lower Upper

69 100

41 0.0 66.2 99.4#

39 0.0 53.8 80.8#



#62

4-Bromofluorobenzene

Concen: 30.478 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

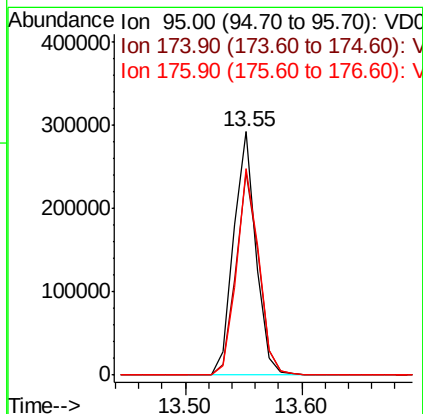
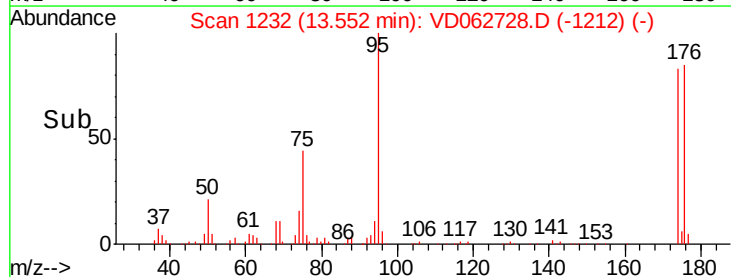
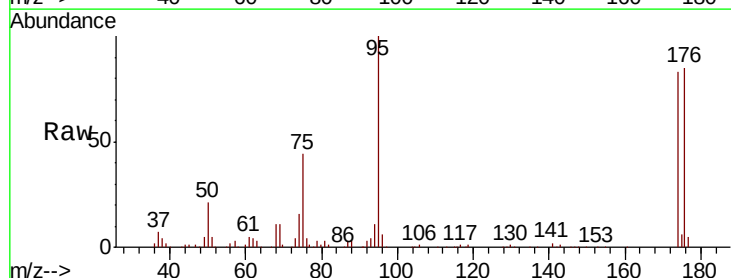
Tgt Ion: 95 Resp: 387398

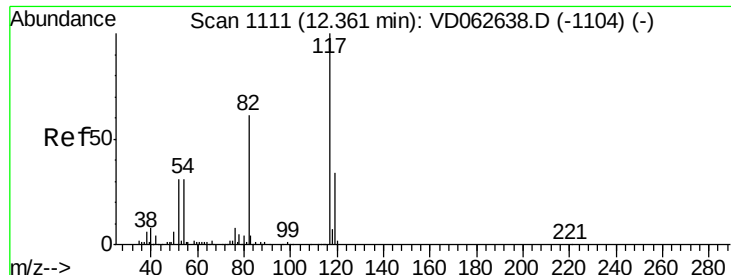
Ion Ratio Lower Upper

95 100

174 83.2 0.0 167.0

176 84.9 0.0 159.2

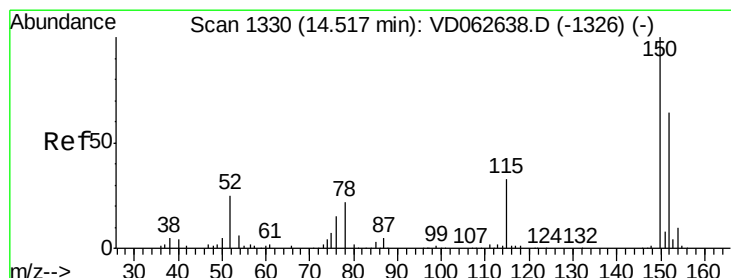
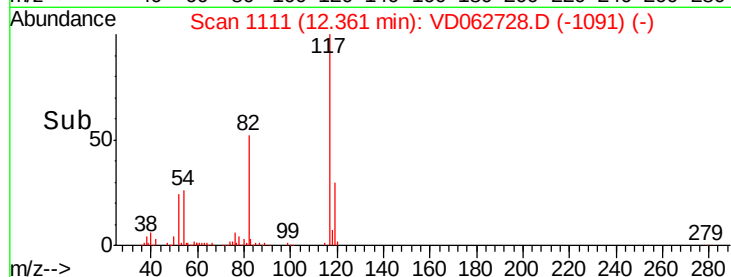
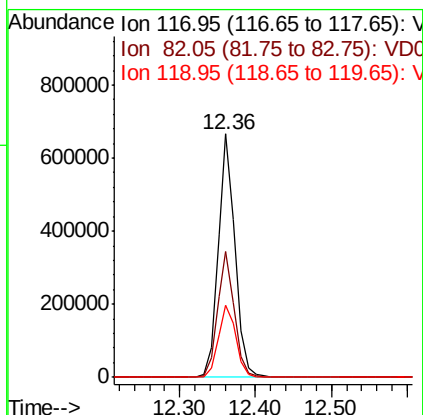
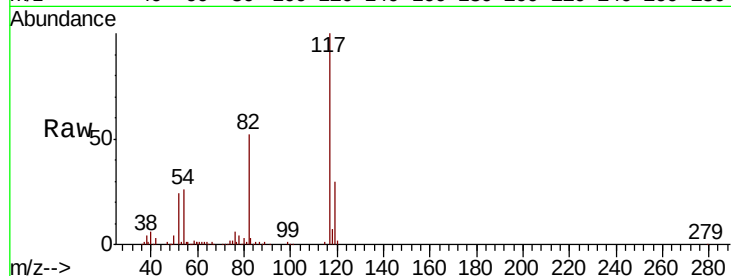




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

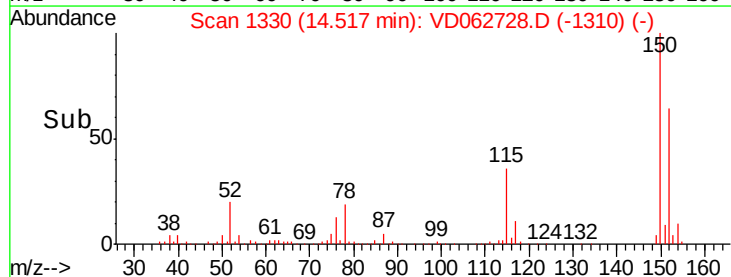
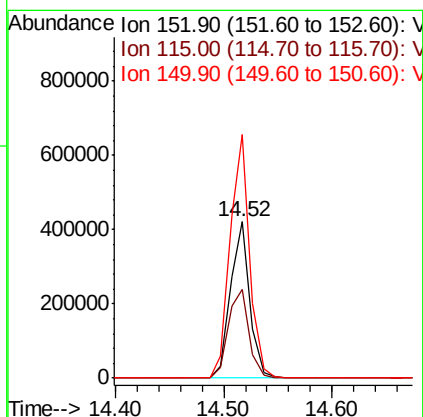
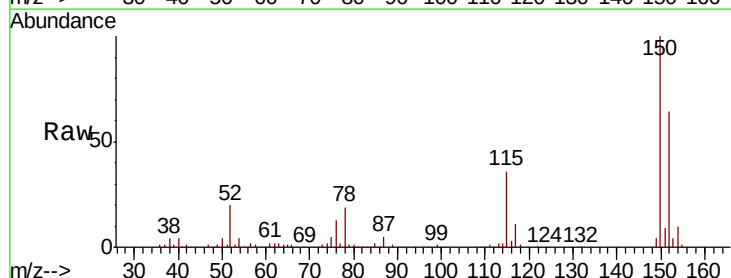
Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

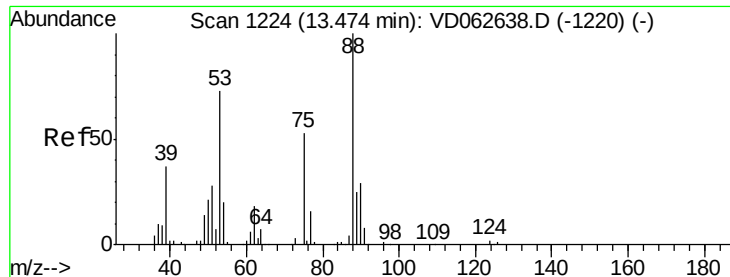
Tot Ion:117 Resp: 1038488
Ion Ratio Lower Upper
117 100
82 51.5 48.7 73.1
119 29.6 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Tgt Ion:152 Resp: 521152
Ion Ratio Lower Upper
152 100
115 56.8 30.1 90.5
150 156.1 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 82.960 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

GRAVEL-1

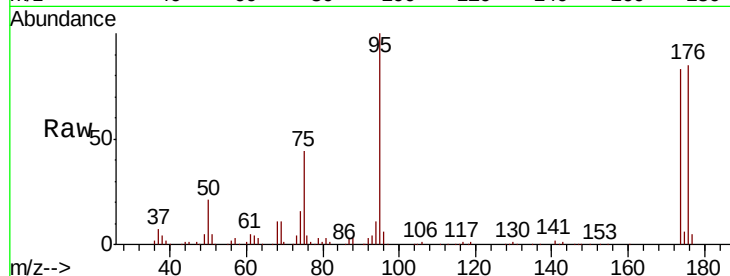
Tot Ion: 75 Resp: 179683

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

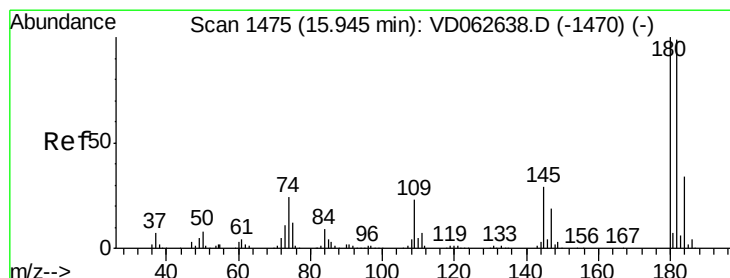
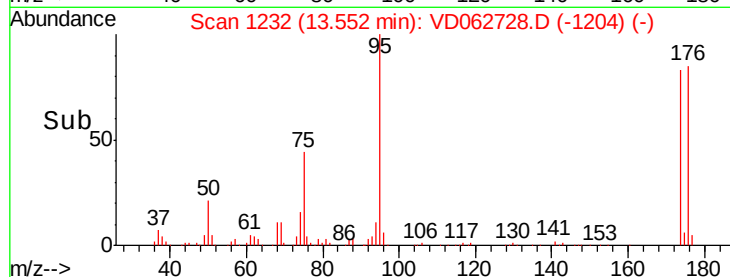
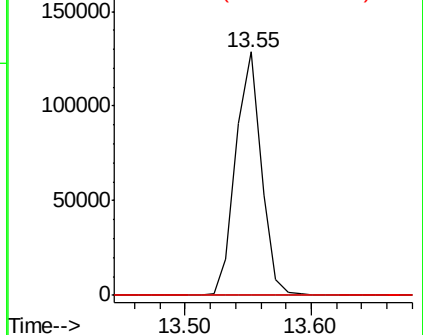
89 0.0 37.0 55.6#



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: 3.625 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062728.D

Acq: 17 Jun 2019 15:56

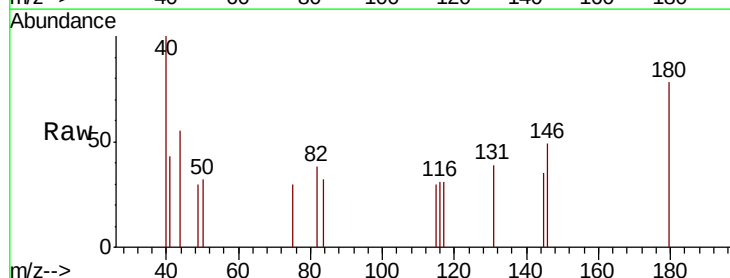
Tgt Ion:180 Resp: 822

Ion Ratio Lower Upper

180 100

182 0.0 49.4 148.2#

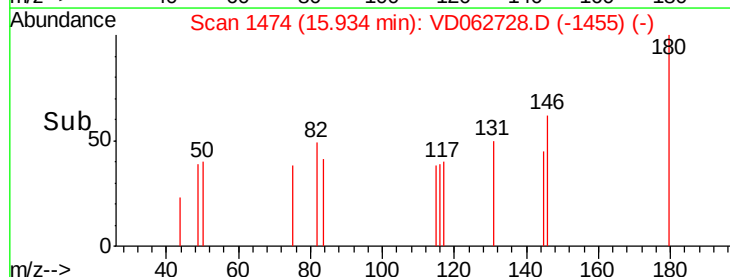
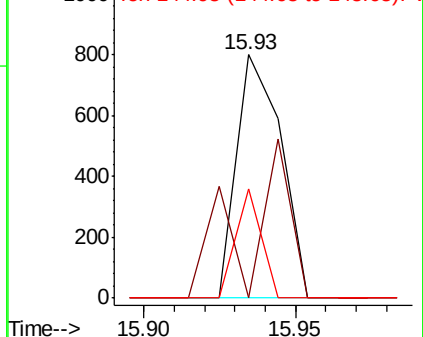
145 44.9 14.5 43.6#

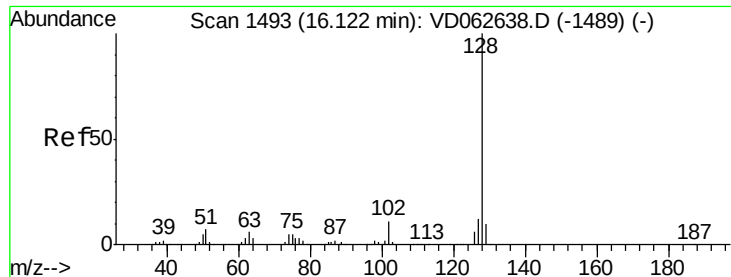


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.627 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062728.D
Acq: 17 Jun 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-1

Tot Ion:128 Resp: 3601
Ion Ratio Lower Upper
128 100
127 17.5 9.7 14.5#
129 13.0 8.1 12.1#

