

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061762.D
 Acq On : 12 Apr 2019 3:47
 Operator : VA/AP
 Sample : K2342-02
 Misc : 2.89g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 04:54:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	390300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	667261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	415509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	103298	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	193552	65.42	ug/l	0.00
Spiked Amount			Recovery	=	130.84%	
35) Dibromofluoromethane	6.92	113	307392	66.50	ug/l	0.00
Spiked Amount			Recovery	=	133.00%	
50) Toluene-d8	10.40	98	613167	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	13.55	95	152550	35.08	ug/l	0.00
Spiked Amount			Recovery	=	70.16%	

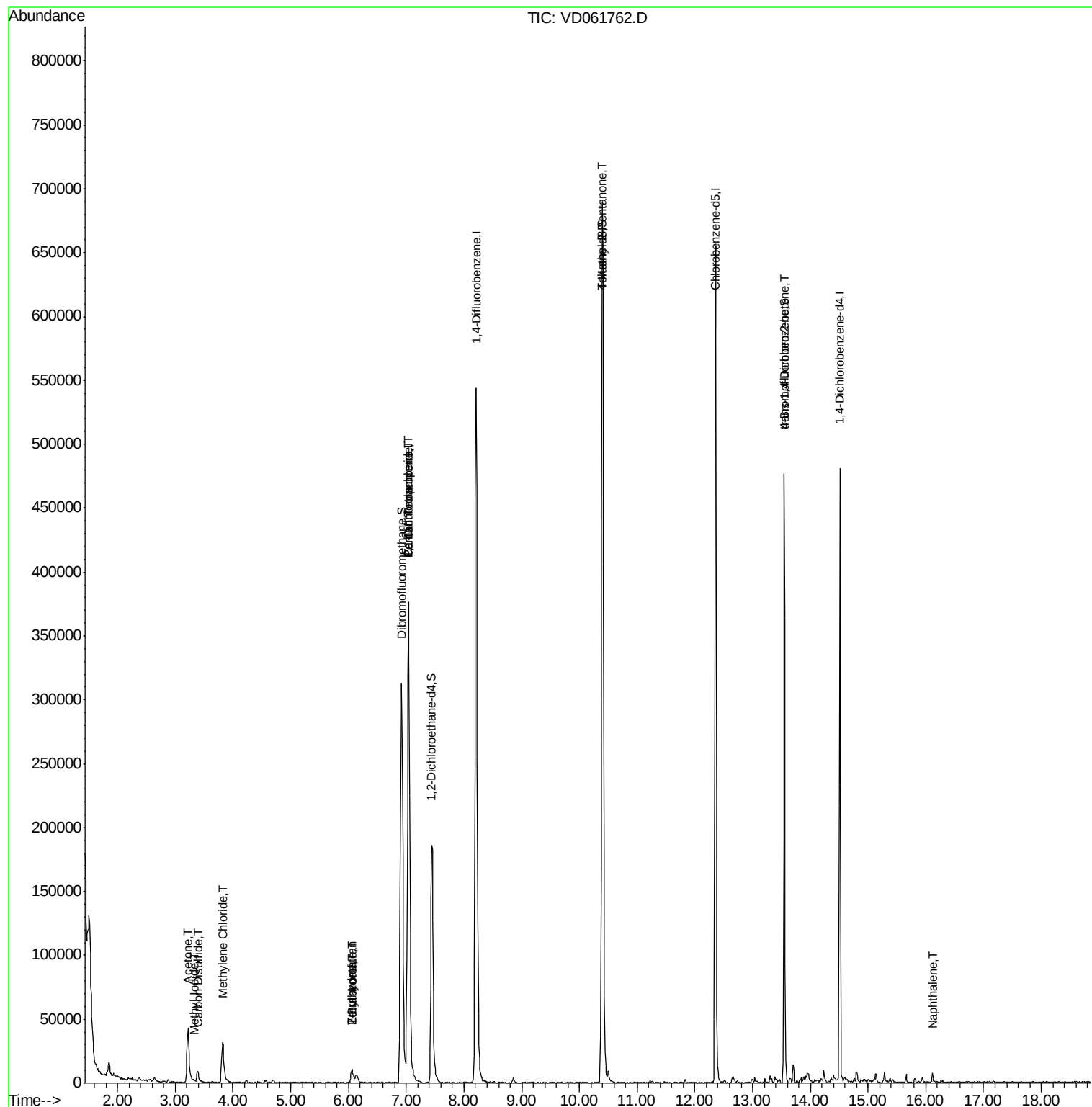
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1122	3.802	ug/l #	38
16) Acetone	3.22	43	85517	96.697	ug/l	98
17) Carbon Disulfide	3.39	76	16592	1.255	ug/l	97
20) Methylene Chloride	3.82	84	25610	5.103	ug/l	93
25) 2-Butanone	6.06	43	23758	23.303	ug/l	94
29) Tetrahydrofuran	6.07	42	1242	2.524	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	27777	4.757	ug/l #	46
37) Ethyl Acetate	6.06	43	23758	9.988	ug/l #	68
38) Carbon Tetrachloride	7.04	117	38915	5.686	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	2801	1.372	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	57524	134.886	ug/l #	20
95) Naphthalene	16.11	128	4623	2.024	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 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: VD061762.D

Acq: 12 Apr 2019 3:47

Instrument :

MSVOA_D

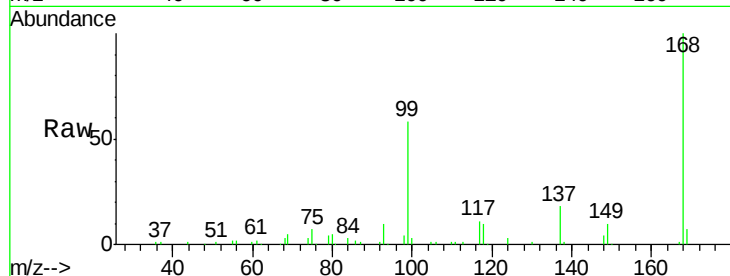
ClientSampleId :

Tot Ion:168 Resp: 390300

Ion Ratio Lower Upper

168 100

99 57.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

150000

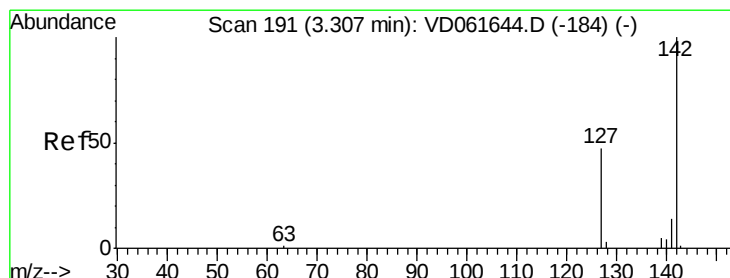
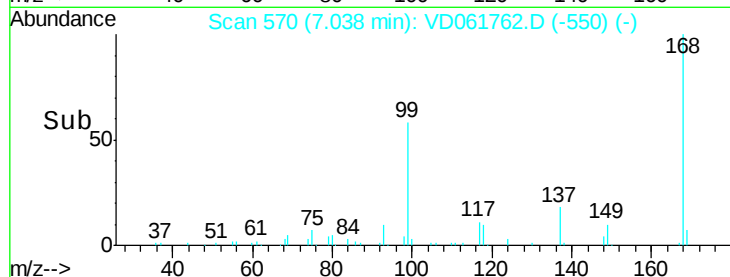
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.802 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061762.D

Acq: 12 Apr 2019 3:47

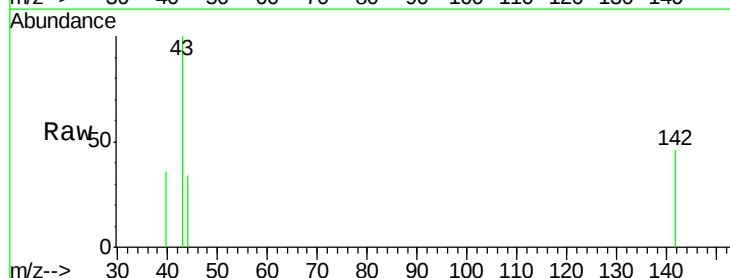
Tgt Ion:142 Resp: 1122

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

141 0.0 10.8 16.2#



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

3.33

600

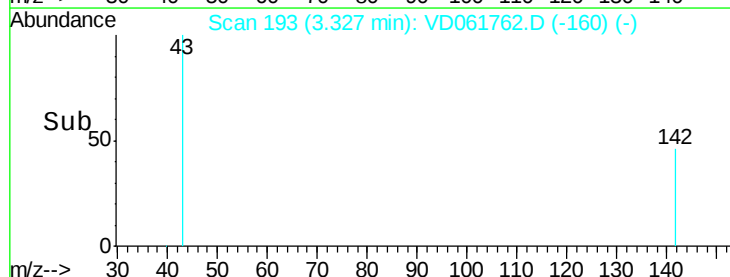
400

200

0

Time-->

3.30 3.35

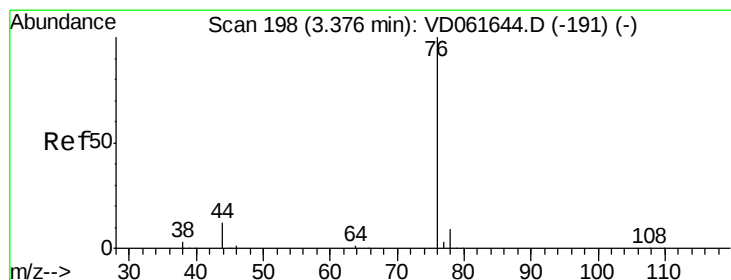
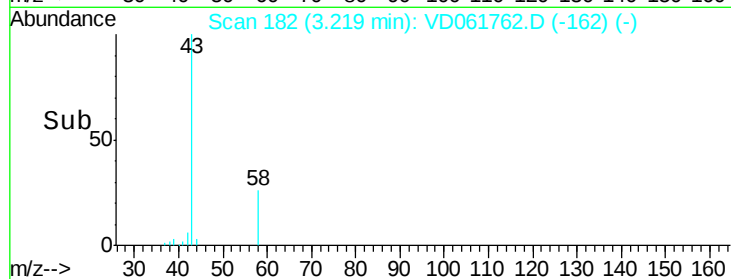
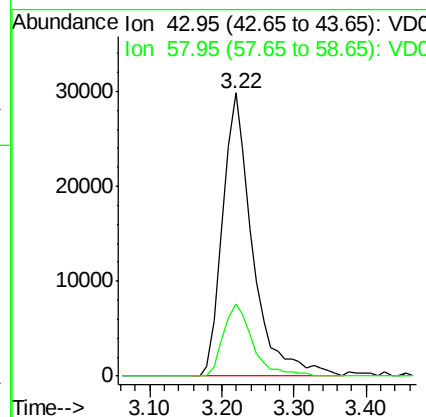
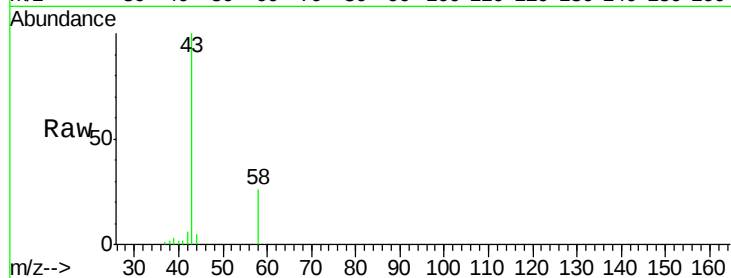




#16
Acetone
Concen: 96.697 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

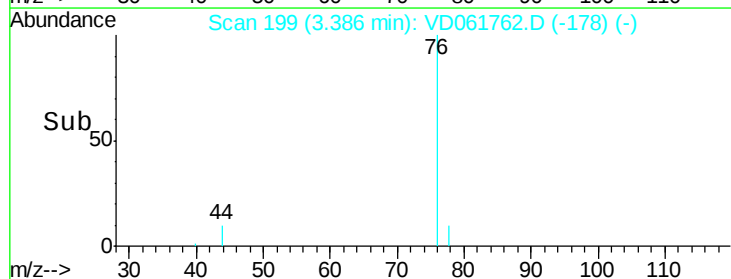
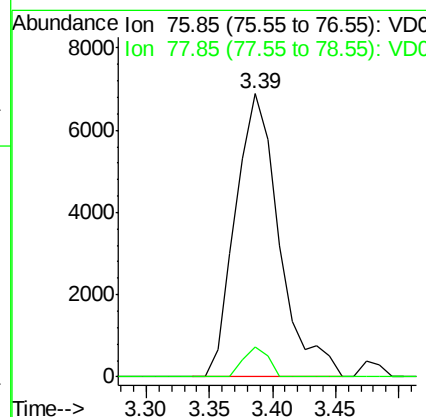
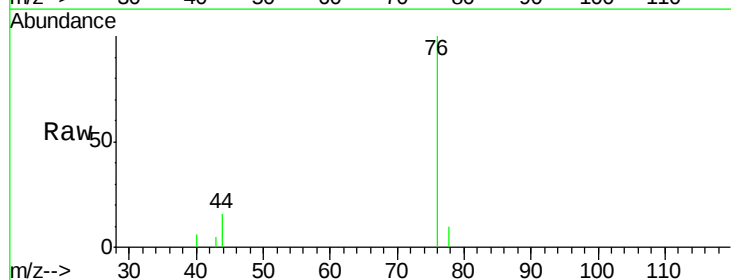
Instrument :
MSVOA_D
ClientSampled :

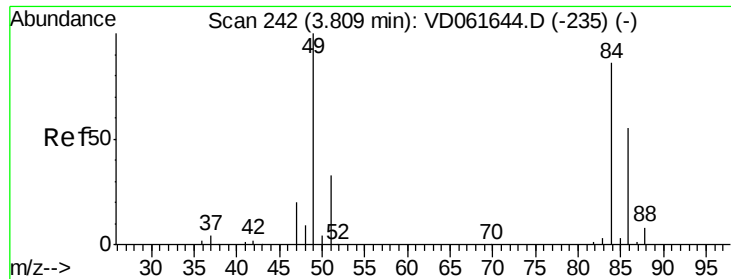
Tot Ion: 43 Resp: 85517
Ion Ratio Lower Upper
43 100
58 25.6 19.7 29.5



#17
Carbon Disulfide
Concen: 1.255 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Tgt Ion: 76 Resp: 16592
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.2

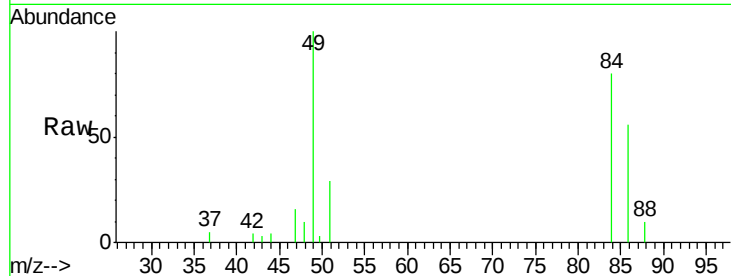




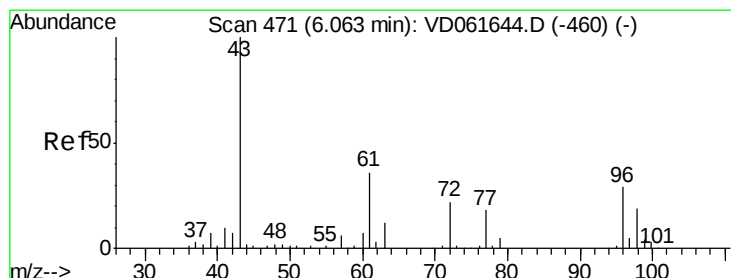
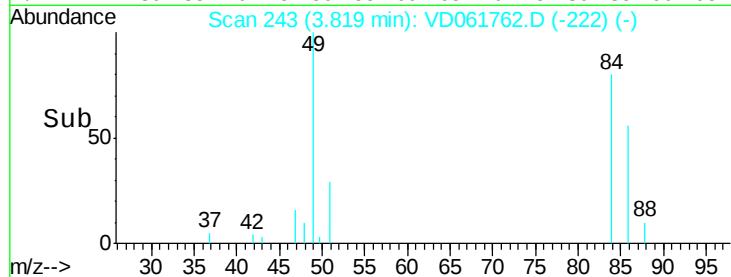
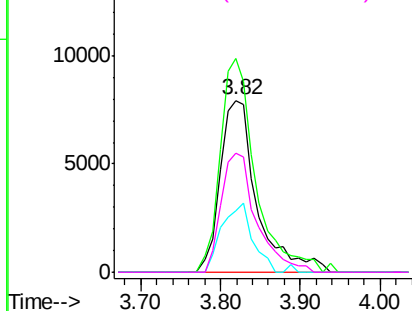
#20
Methvlene Chloride
Concen: 5.103 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 25610
Ion Ratio Lower Upper
84 100
49 124.3 93.0 139.4
51 36.0 30.4 45.6
86 69.5 51.0 76.4

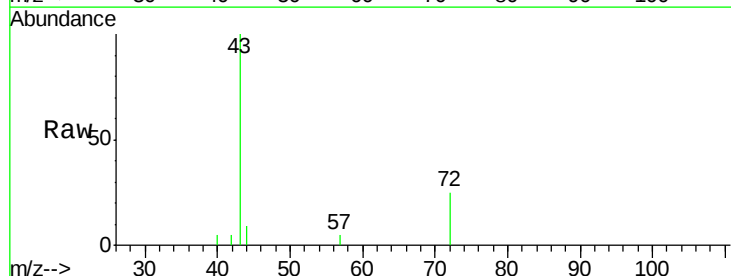


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

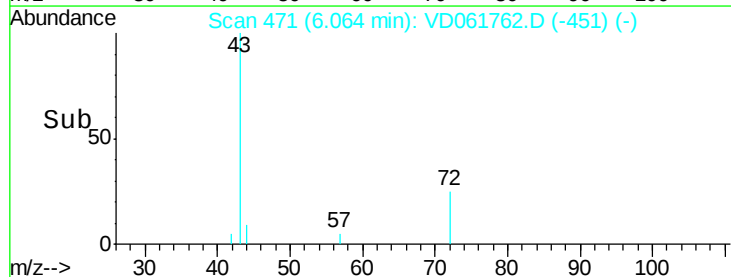
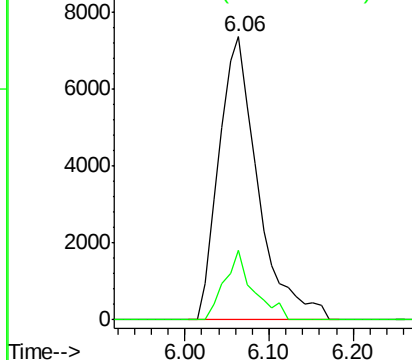


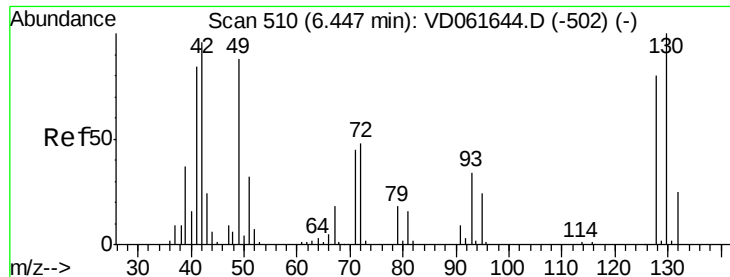
#25
2-Butanone
Concen: 23.303 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Tgt Ion: 43 Resp: 23758
Ion Ratio Lower Upper
43 100
72 24.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

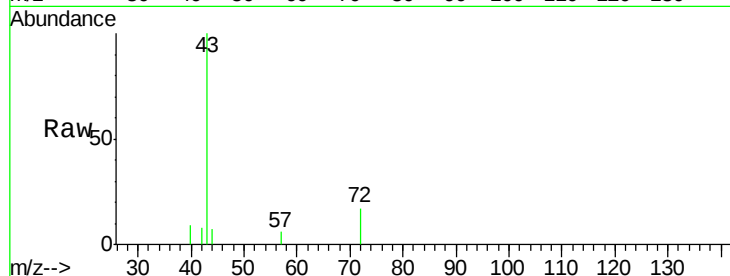




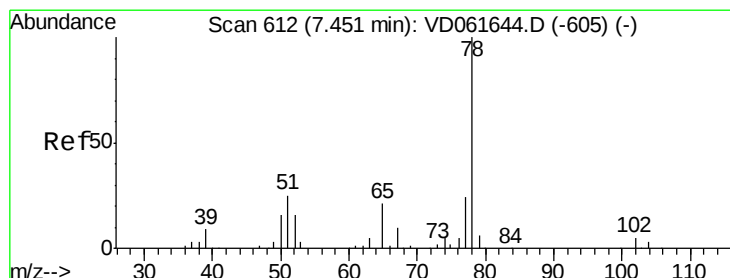
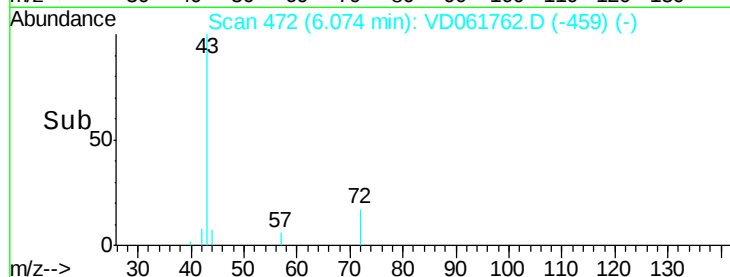
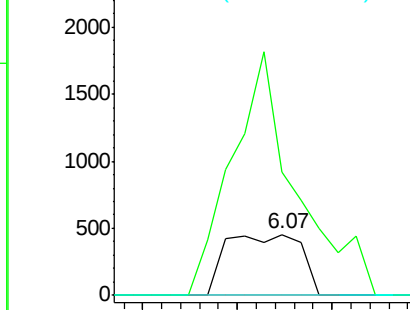
#29
Tetrahydrofuran
Concen: 2.524 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.37 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 1242
Ion Ratio Lower Upper
42 100
72 345.7 37.0 55.6#
71 0.0 36.5 54.7#

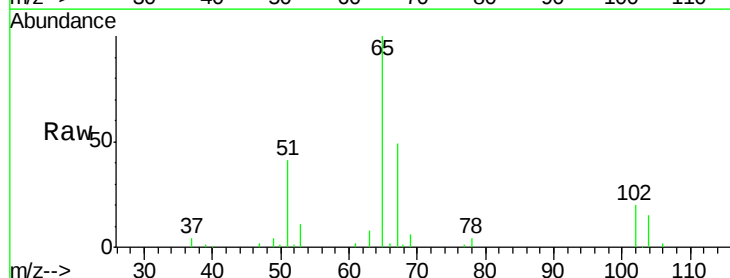


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

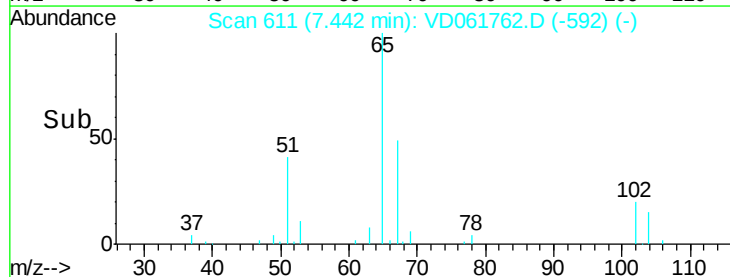
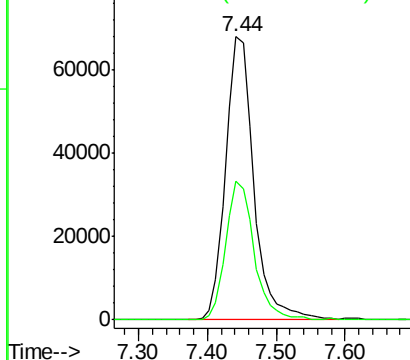


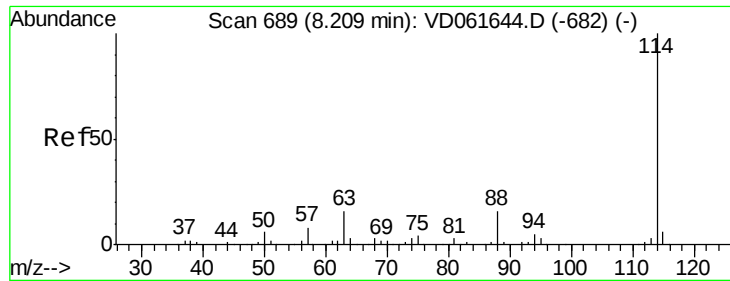
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Tgt Ion: 65 Resp: 193552
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

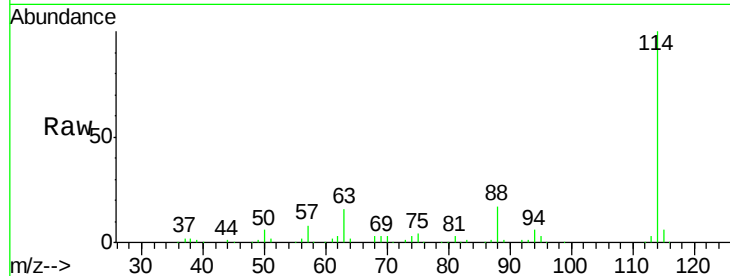




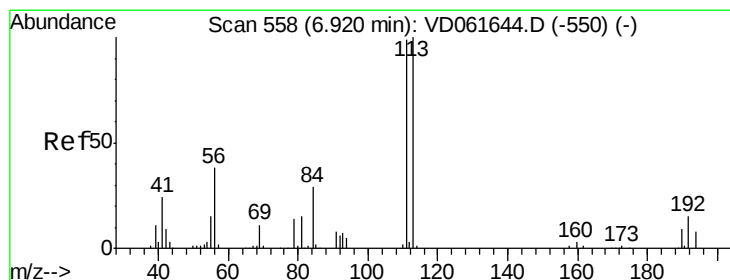
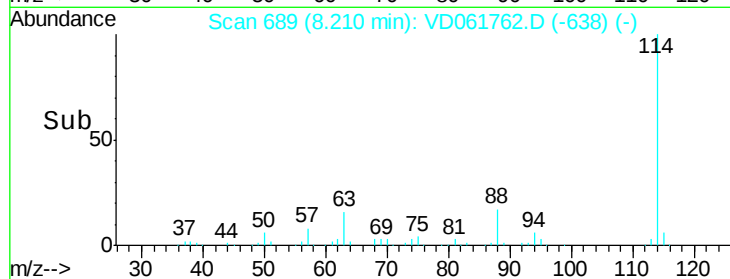
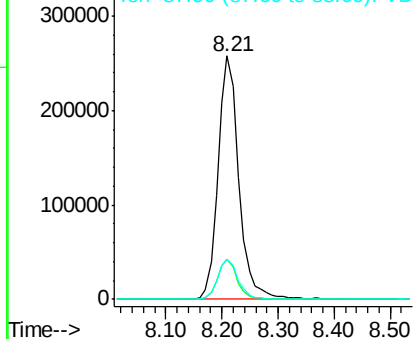
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD061762.D
 Acq: 12 Apr 2019 3:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 667261
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.2
 88 16.7 0.0 31.8

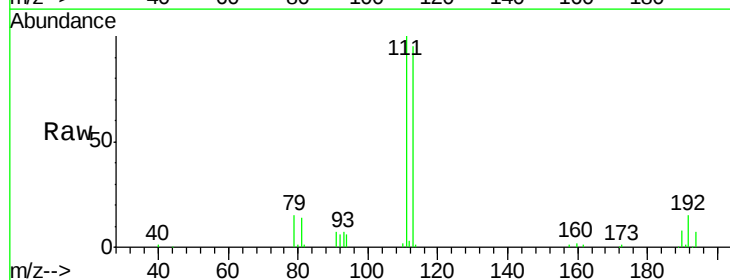


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

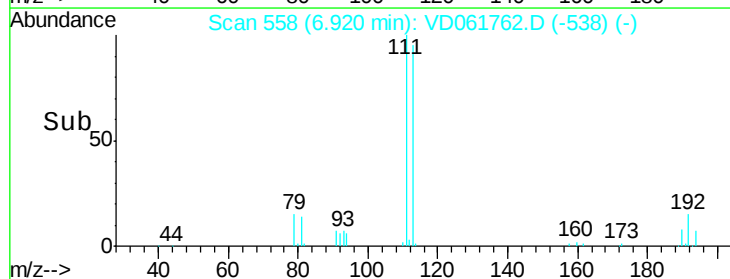
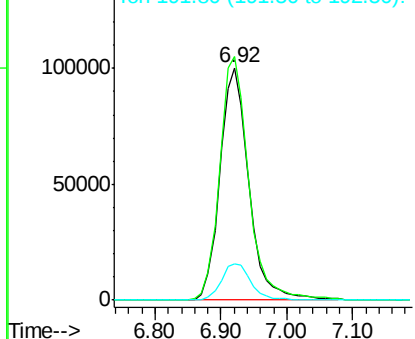


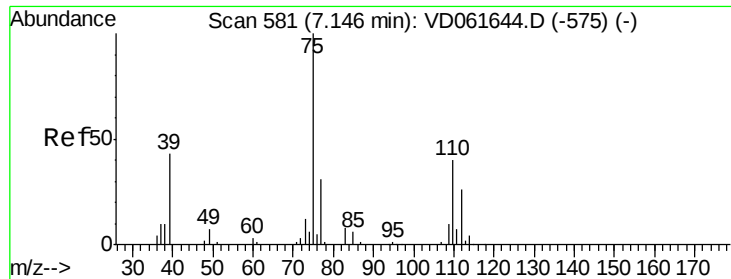
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD061762.D
 Acq: 12 Apr 2019 3:47

Tgt Ion:113 Resp: 307392
 Ion Ratio Lower Upper
 113 100
 111 104.9 79.3 118.9
 192 15.8 12.3 18.5



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

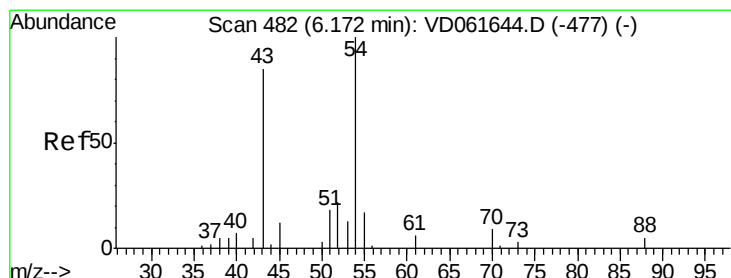
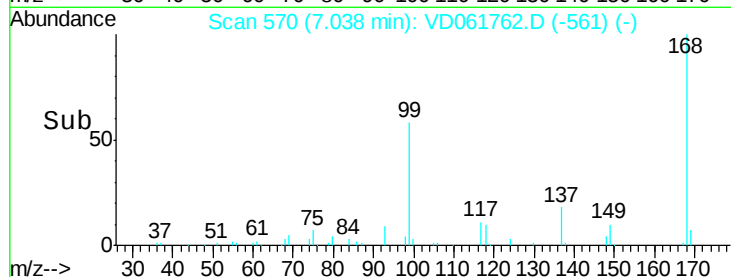
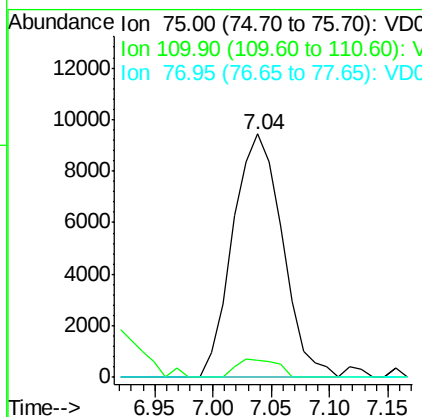
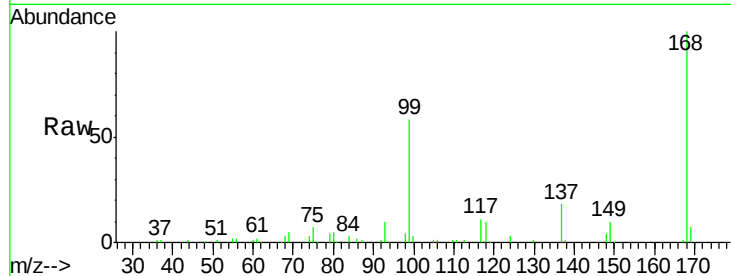




#36
 1,1-Dichloropropene
 Concen: 4.757 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061762.D
 Acq: 12 Apr 2019 3:47

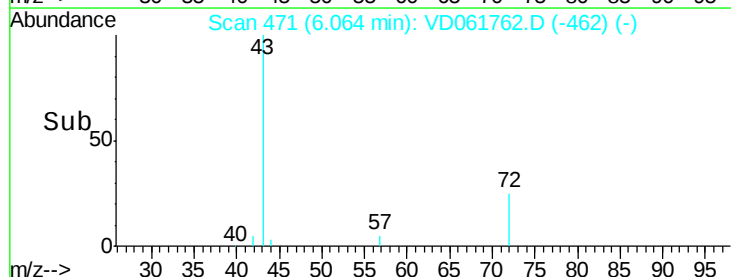
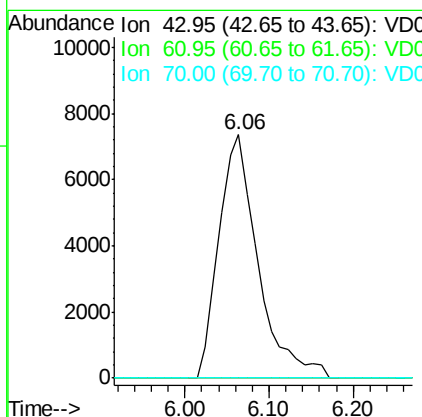
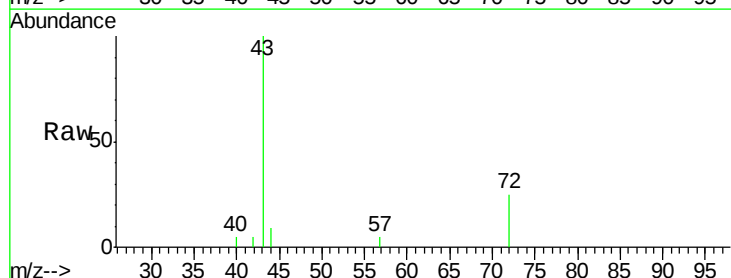
Instrument :
 MSVOA_D
 ClientSampled :

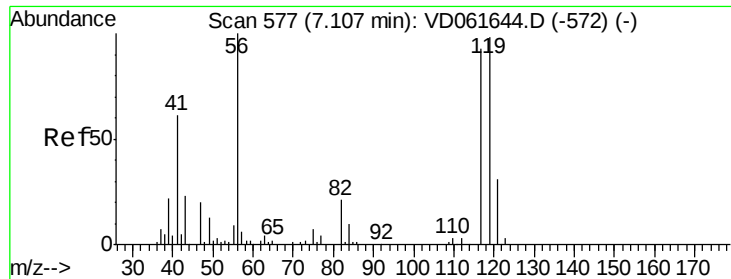
Tot Ion: 75 Resp: 27777
 Ion Ratio Lower Upper
 75 100
 110 7.2 19.7 59.0#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 9.988 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.11 min
 Lab File: VD061762.D
 Acq: 12 Apr 2019 3:47

Tgt Ion: 43 Resp: 23758
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 6.9 10.3#

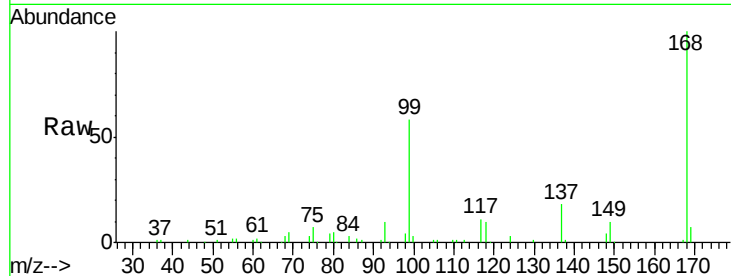




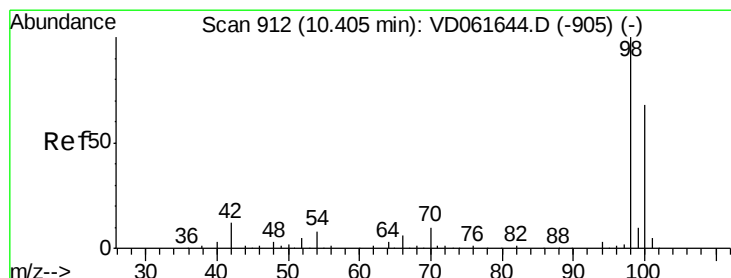
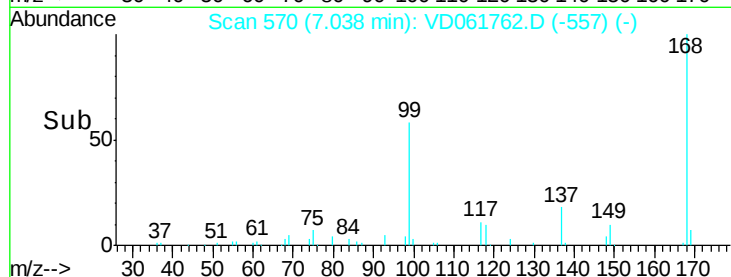
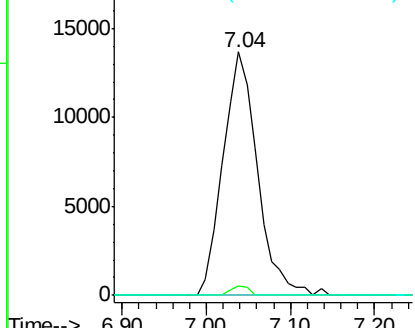
#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 38915
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.7 37.1#

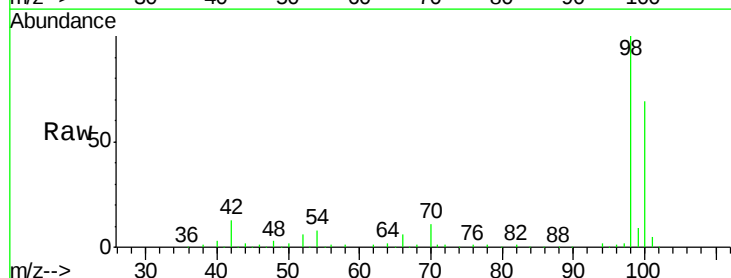


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

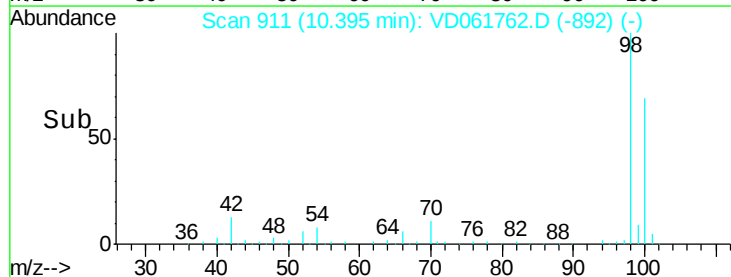
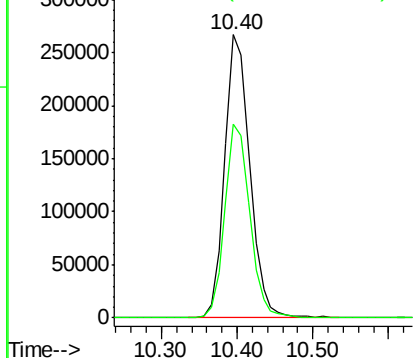


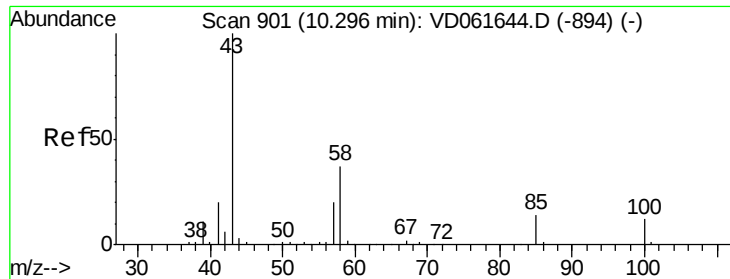
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Tgt Ion: 98 Resp: 613167
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.372 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061762.D

Acq: 12 Apr 2019 3:47

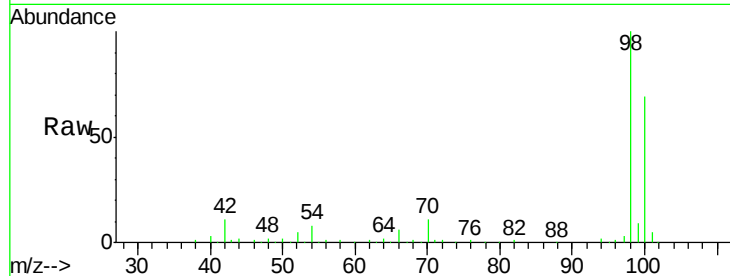
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2801

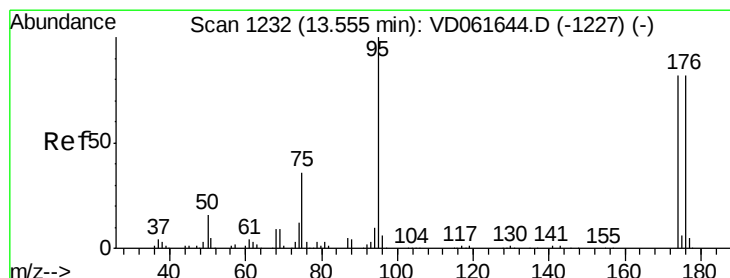
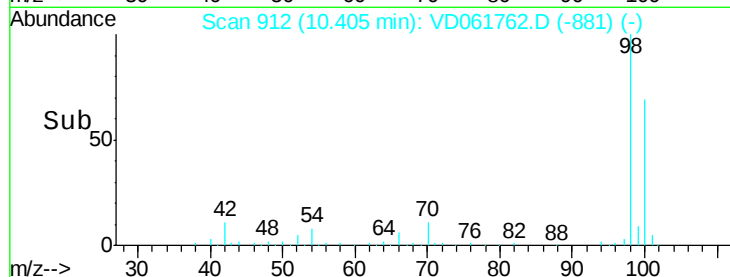
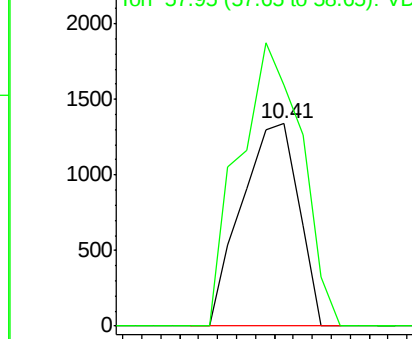
Ion Ratio Lower Upper

43 100

58 119.4 29.8 44.8#



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



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061762.D

Acq: 12 Apr 2019 3:47

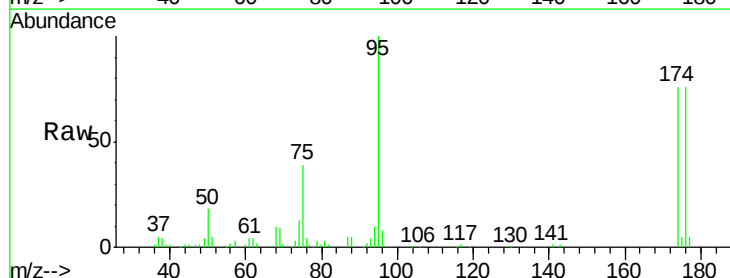
Tgt Ion: 95 Resp: 152550

Ion Ratio Lower Upper

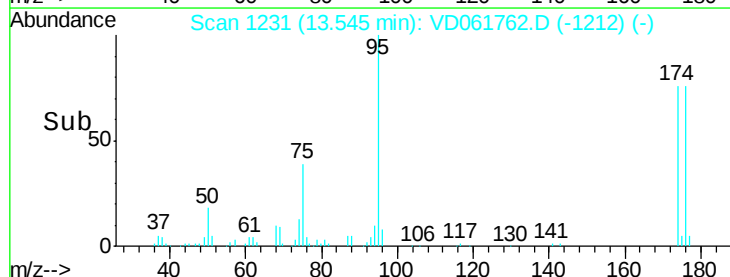
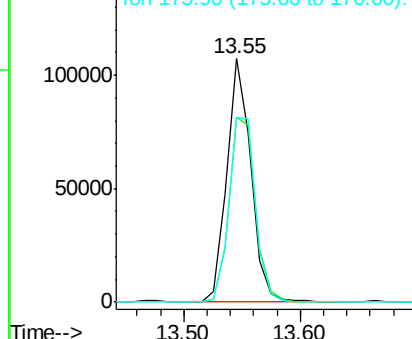
95 100

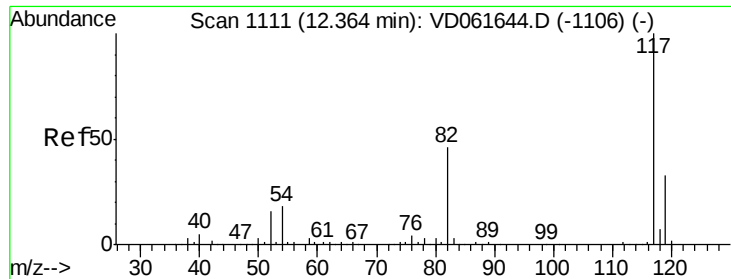
174 76.0 0.0 164.6

176 76.0 0.0 165.0



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

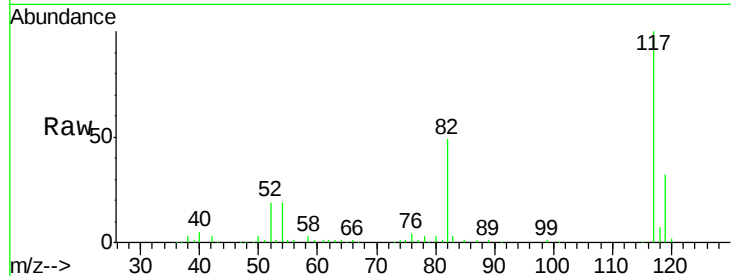




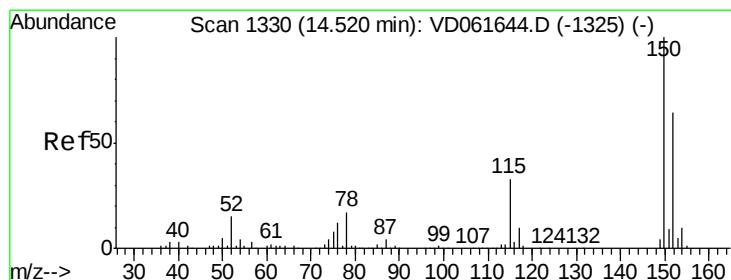
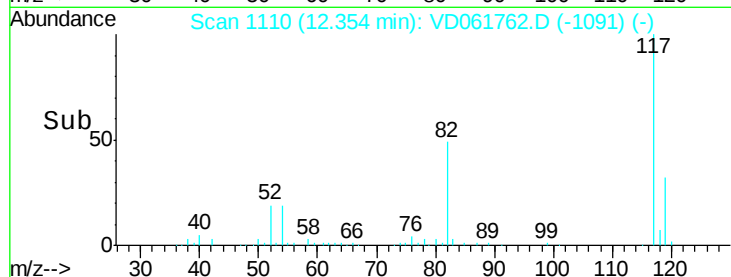
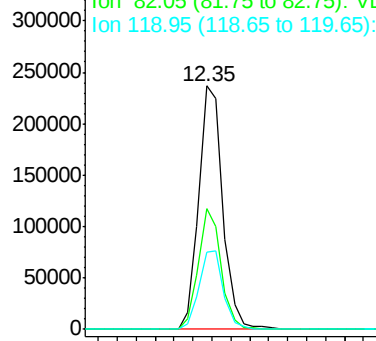
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 415509
Ion Ratio Lower Upper
117 100
82 49.4 36.8 55.2
119 31.7 26.1 39.1

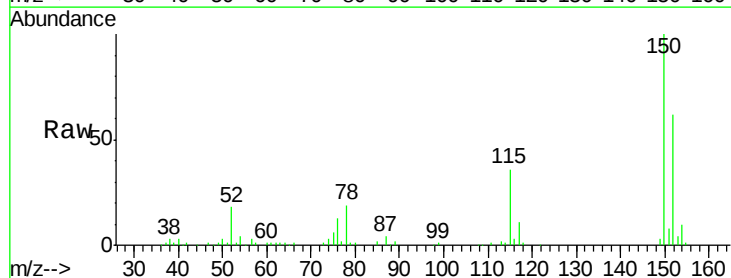


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

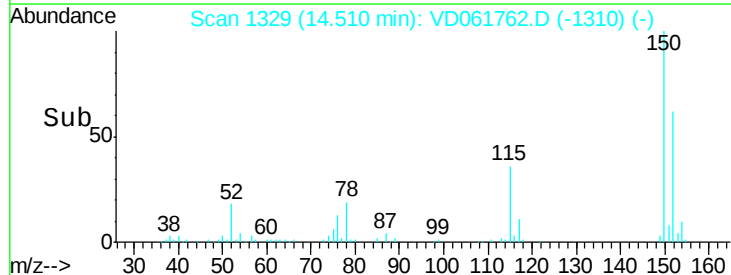
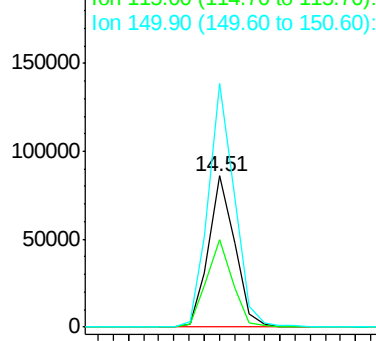


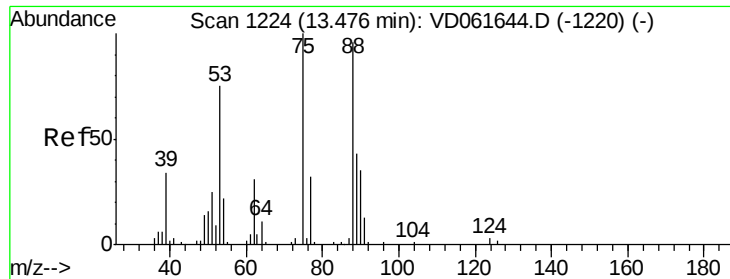
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061762.D
Acq: 12 Apr 2019 3:47

Tgt Ion:152 Resp: 103298
Ion Ratio Lower Upper
152 100
115 57.7 26.4 79.2
150 161.2 0.0 320.6



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: 134.886 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061762.D

Acq: 12 Apr 2019 3:47

Instrument :

MSVOA_D

ClientSampleId :

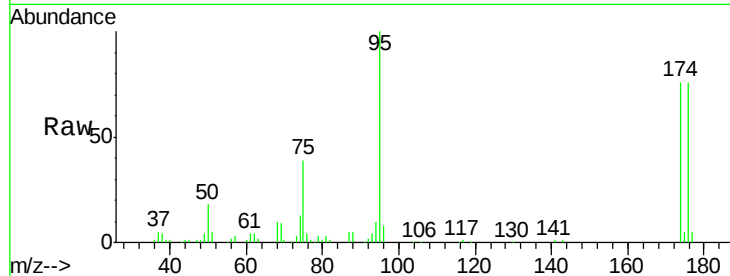
Tot Ion: 75 Resp: 57524

Ion Ratio Lower Upper

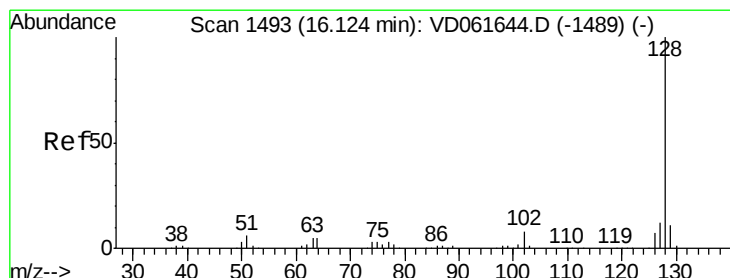
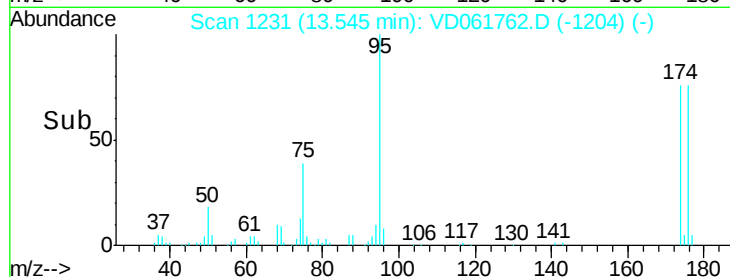
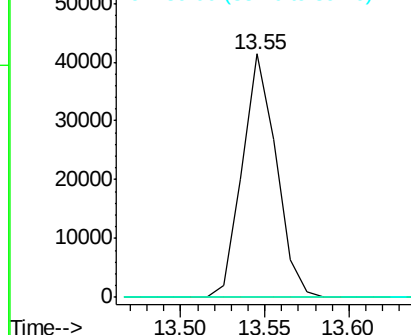
75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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



#95

Naphthalene

Concen: 2.024 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061762.D

Acq: 12 Apr 2019 3:47

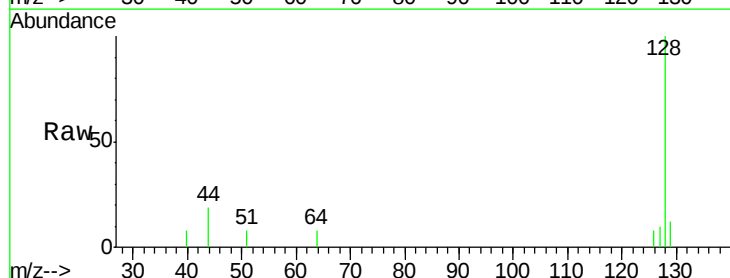
Tgt Ion: 128 Resp: 4623

Ion Ratio Lower Upper

128 100

127 9.9 9.4 14.2

129 12.1 8.8 13.2



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

