

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061563.D
 Acq On : 3 Apr 2019 18:47
 Operator : VA/AP
 Sample : K2209-03
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:50:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	439368	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	734385	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	577546	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	255602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	182890	48.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	6.91	113	264703	47.17	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	10.41	98	577830	42.93	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.86%	
62) 4-Bromofluorobenzene	13.55	95	216517	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	

Target Compounds

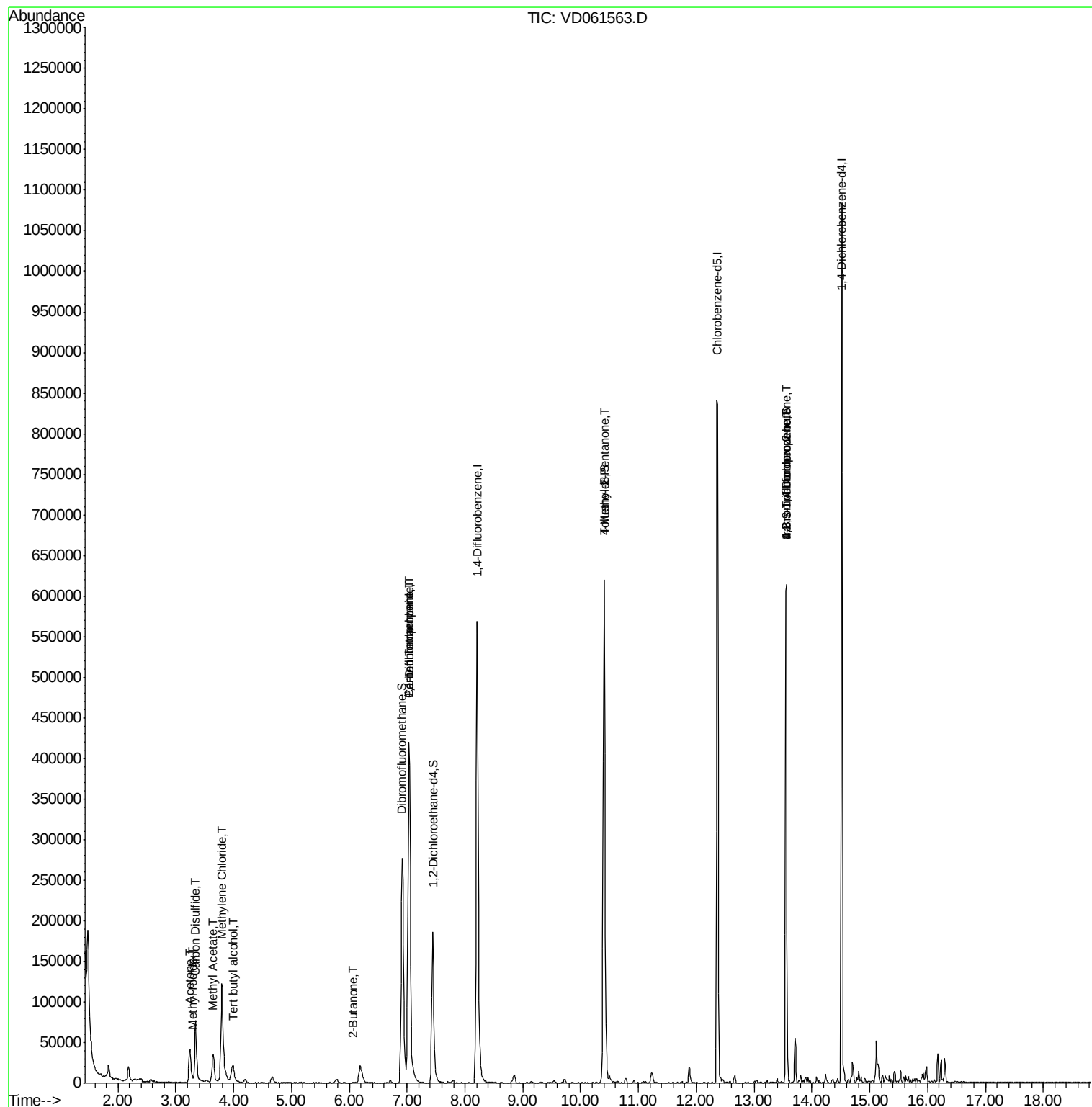
						Qvalue
10) Methyl Iodide	3.29	142	1204	3.600	ug/l #	38
11) Tert butyl alcohol	3.99	59	22742	97.296	ug/l #	76
16) Acetone	3.24	43	78534	81.396	ug/l	95
17) Carbon Disulfide	3.34	76	152144	9.929	ug/l	100
18) Methyl Acetate	3.65	43	67639	33.342	ug/l	99
20) Methylene Chloride	3.79	84	96109	16.495	ug/l	94
25) 2-Butanone	6.07	43	1726	1.422	ug/l #	54
36) 1,1-Dichloropropene	7.03	75	32912	5.135	ug/l #	45
38) Carbon Tetrachloride	7.03	117	41081	5.578	ug/l #	13
51) 4-Methyl-2-Pentanone	10.40	43	2589	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	67773	18.356	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	80126	71.175	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

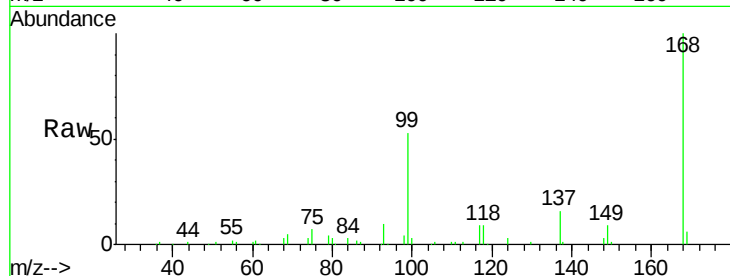
ClientSampleId :

Tot Ion:168 Resp: 439368

Ion Ratio Lower Upper

168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

150000

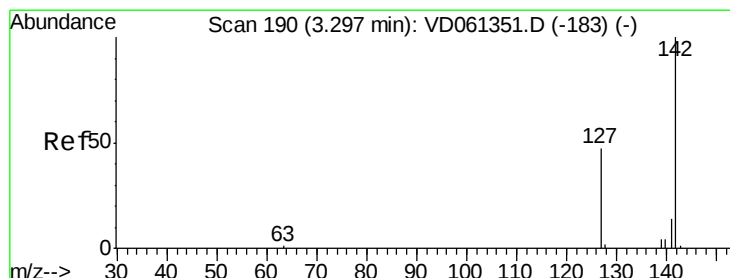
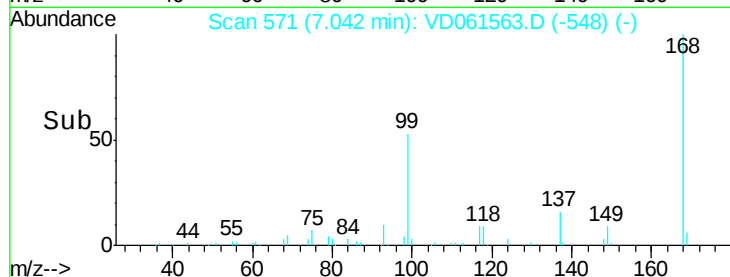
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.600 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

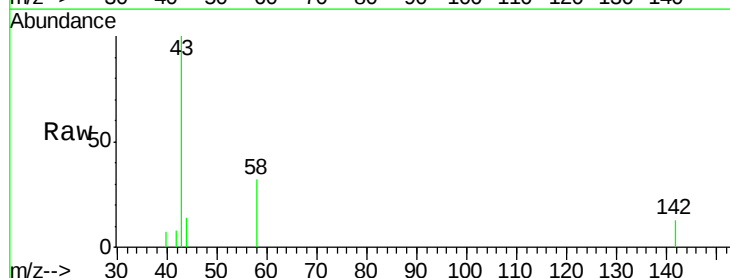
Tgt Ion:142 Resp: 1204

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

3.29

800

600

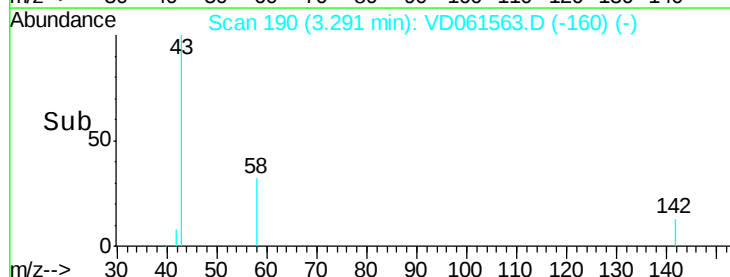
400

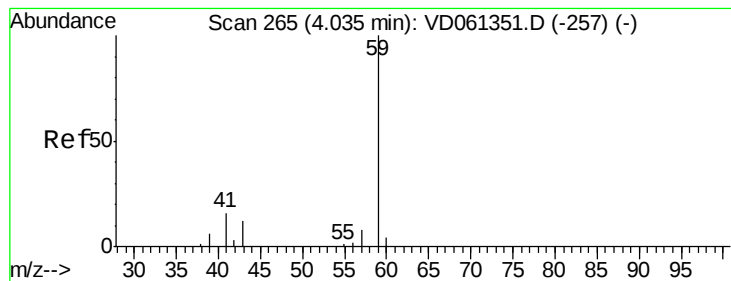
200

0

Time-->

3.25 3.30



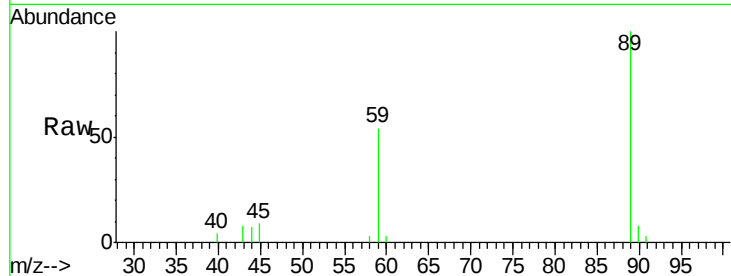


#11

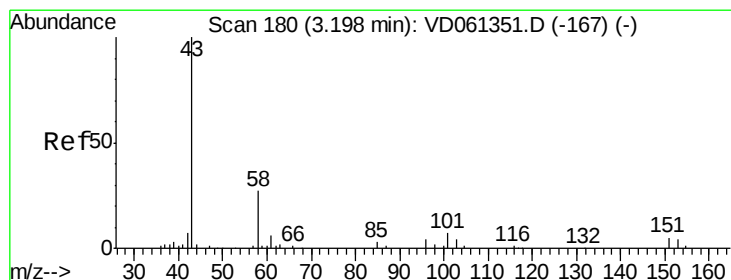
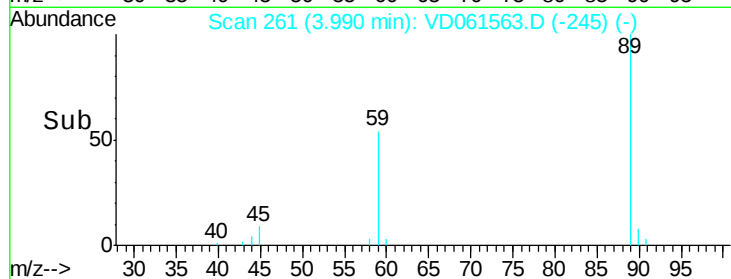
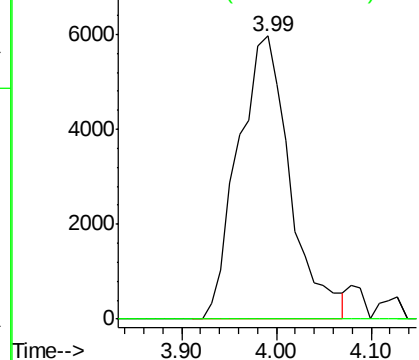
Tert butyl alcohol
 Concen: 97.296 ug/l
 RT: 3.99 min Scan# 261
 Delta R.T. -0.04 min
 Lab File: VD061563.D
 Acq: 3 Apr 2019 18:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 22742
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#



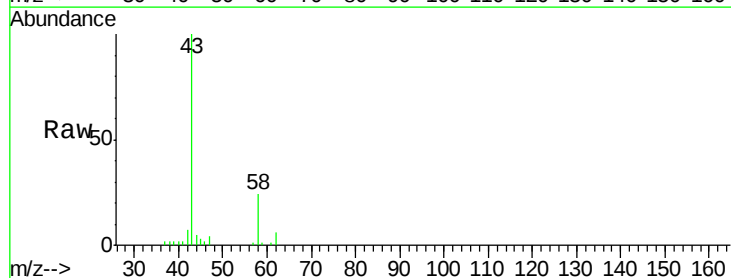
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



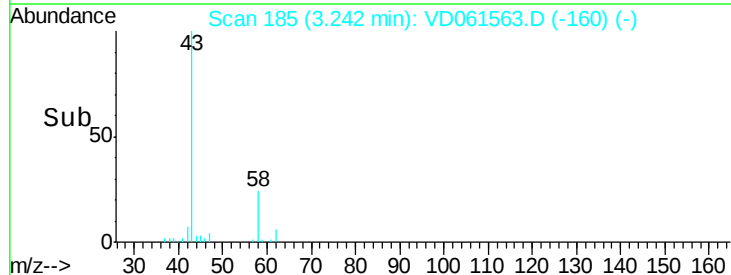
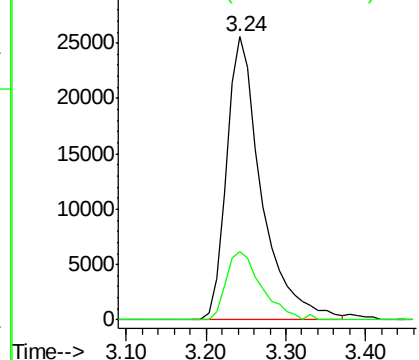
#16

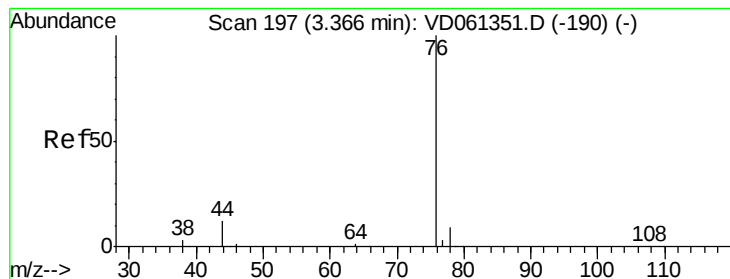
Acetone
 Concen: 81.396 ug/l
 RT: 3.24 min Scan# 185
 Delta R.T. 0.04 min
 Lab File: VD061563.D
 Acq: 3 Apr 2019 18:47

Tgt Ion: 43 Resp: 78534
 Ion Ratio Lower Upper
 43 100
 58 24.2 21.5 32.3



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





#17

Carbon Disulfide

Concen: 9.929 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

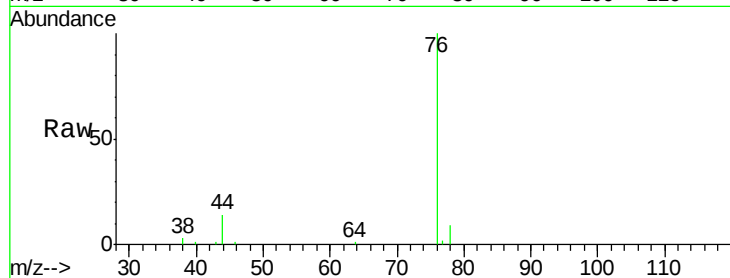
ClientSampleId :

Tot Ion: 76 Resp: 152144

Ion Ratio Lower Upper

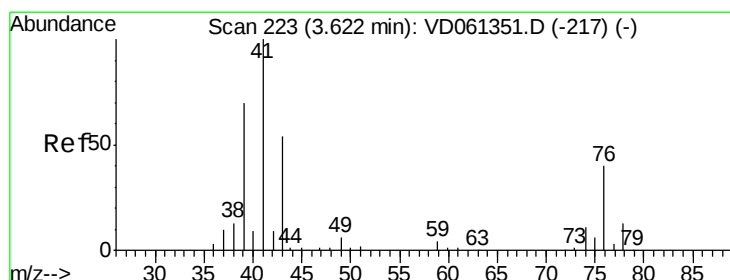
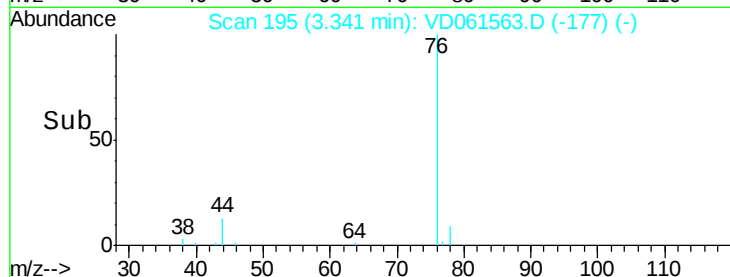
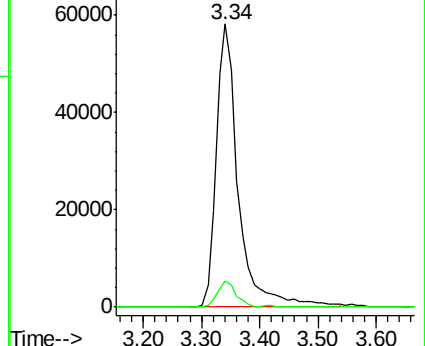
76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 33.342 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061563.D

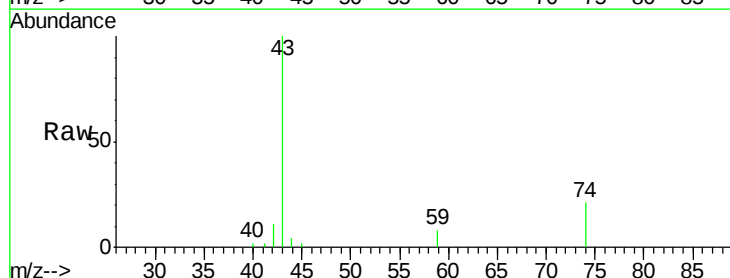
Acq: 3 Apr 2019 18:47

Tgt Ion: 43 Resp: 67639

Ion Ratio Lower Upper

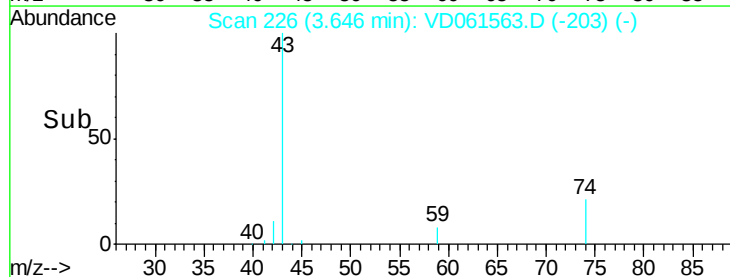
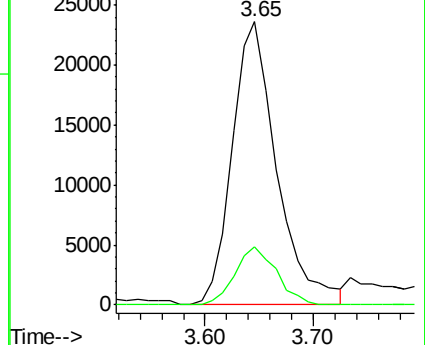
43 100

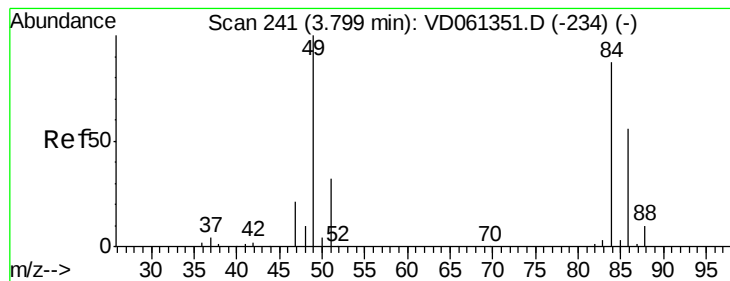
74 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 16.495 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 96109

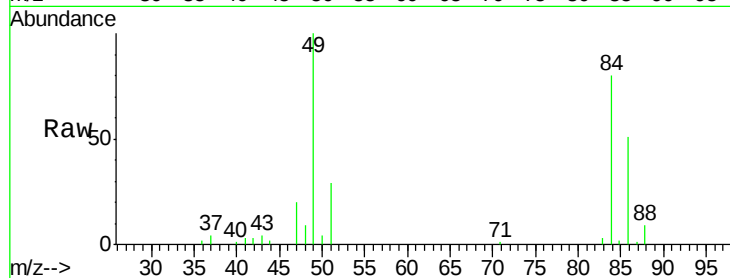
Ion Ratio Lower Upper

84 100

49 125.0 91.8 137.8

51 36.1 29.8 44.8

86 64.0 51.8 77.6

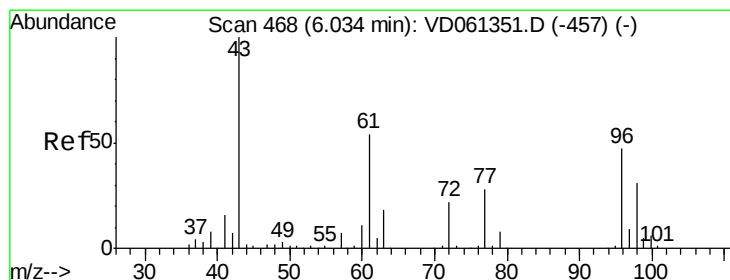
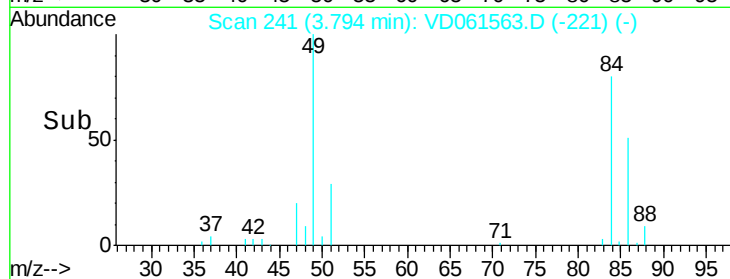
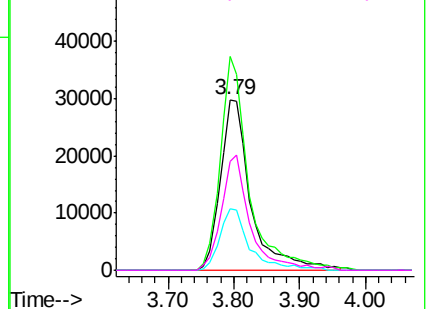


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.422 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061563.D

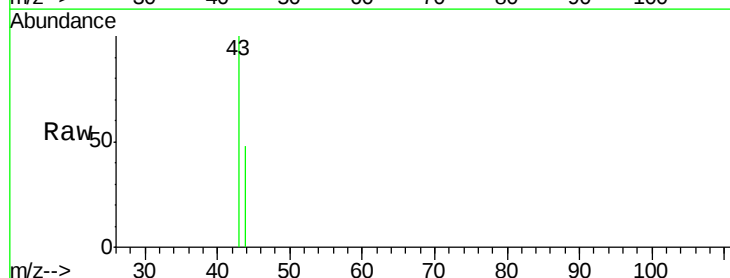
Acq: 3 Apr 2019 18:47

Tgt Ion: 43 Resp: 1726

Ion Ratio Lower Upper

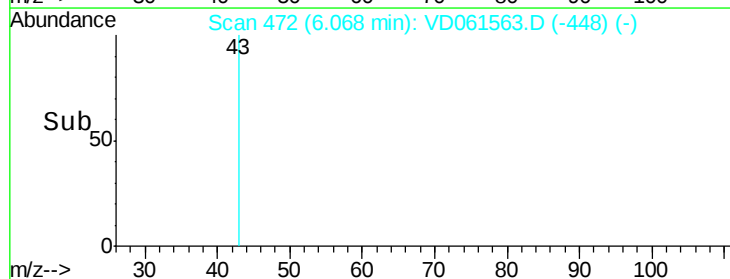
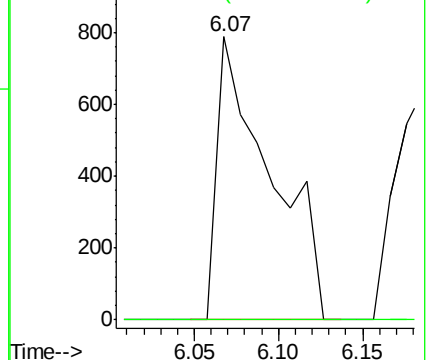
43 100

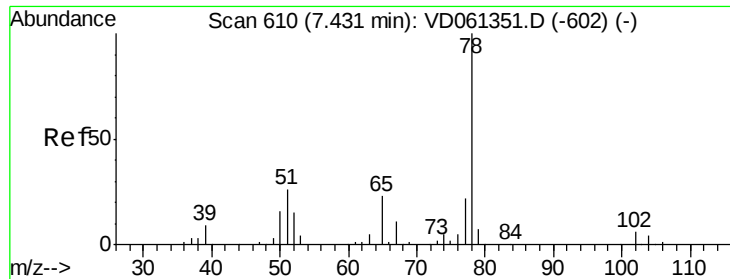
72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

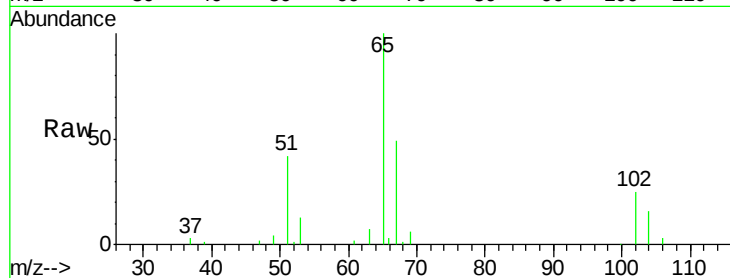
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 182890

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

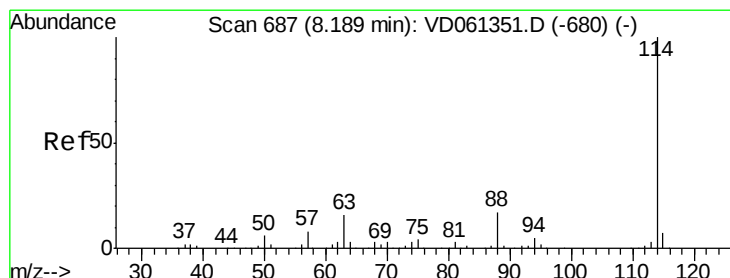
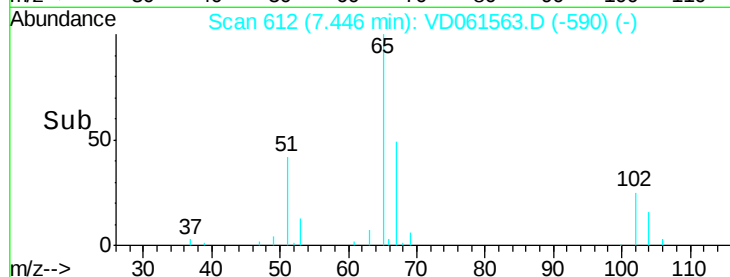
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

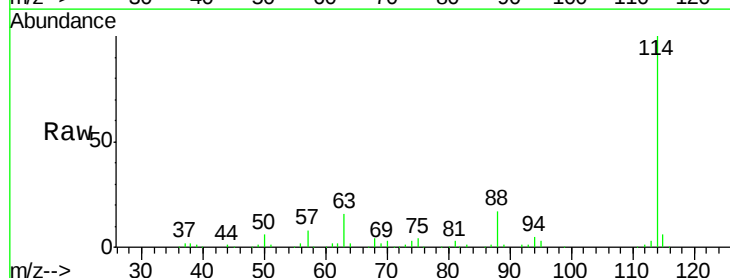
Tgt Ion: 114 Resp: 734385

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

88 16.9 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

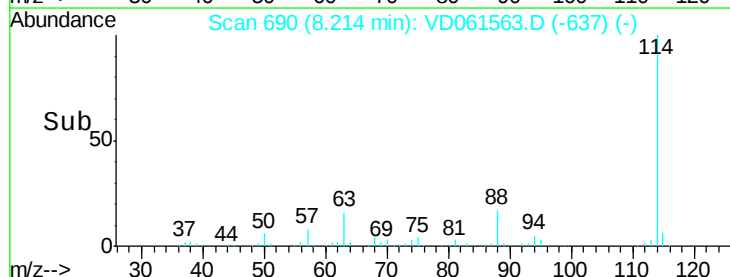
300000

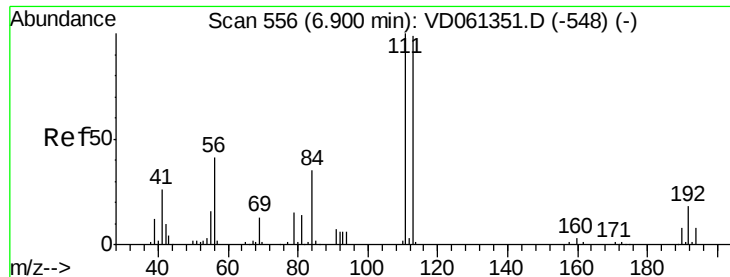
200000

100000

0

Time--> 8.00 8.20 8.40

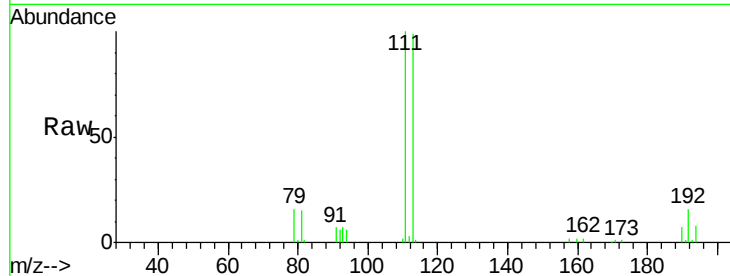




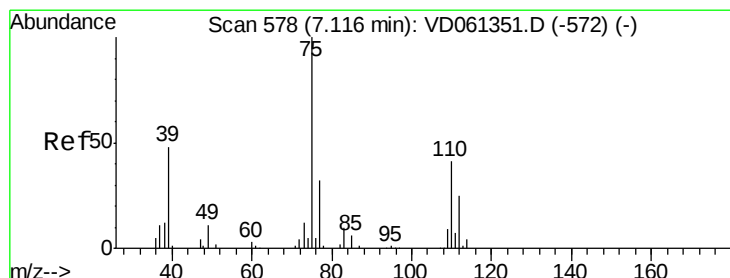
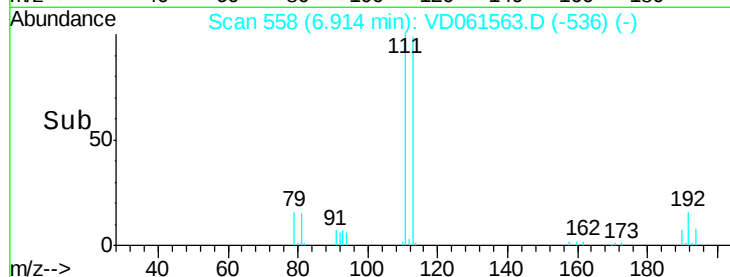
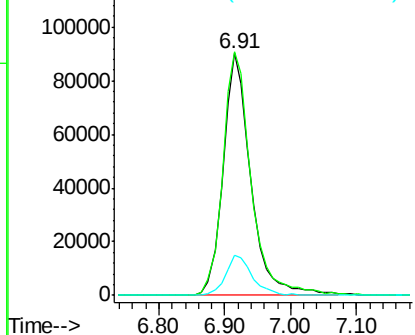
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061563.D
 Acq: 3 Apr 2019 18:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 264703
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.0 121.6
 192 16.4 14.4 21.6

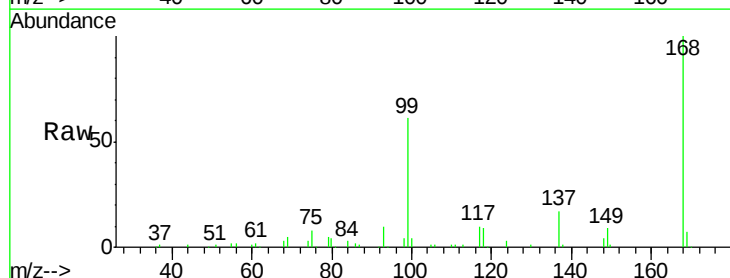


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

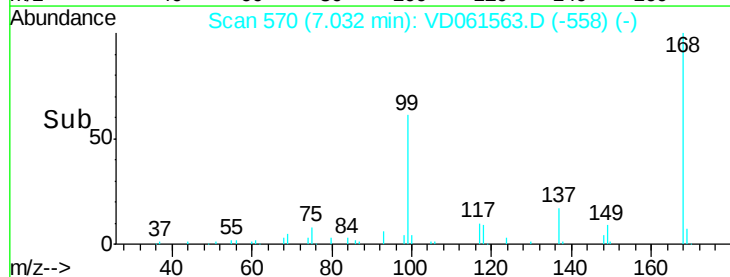
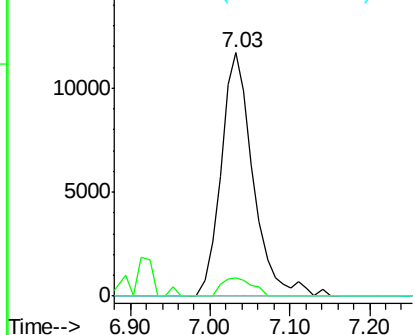


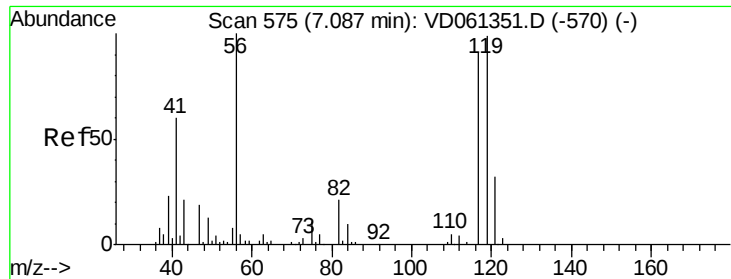
#36
 1,1-Dichloropropene
 Concen: 5.135 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061563.D
 Acq: 3 Apr 2019 18:47

Tgt Ion: 75 Resp: 32912
 Ion Ratio Lower Upper
 75 100
 110 7.7 20.4 61.3#
 77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

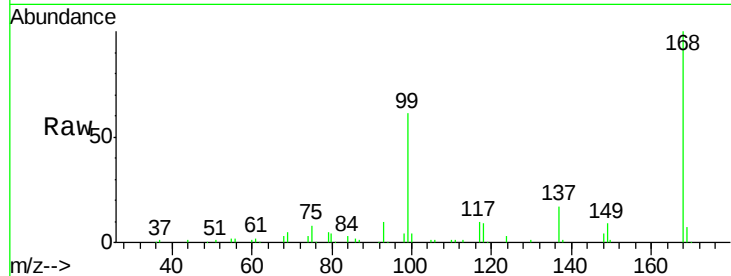
Tot Ion:117 Resp: 41081

Ion Ratio Lower Upper

117 100

119 3.8 80.1 120.1#

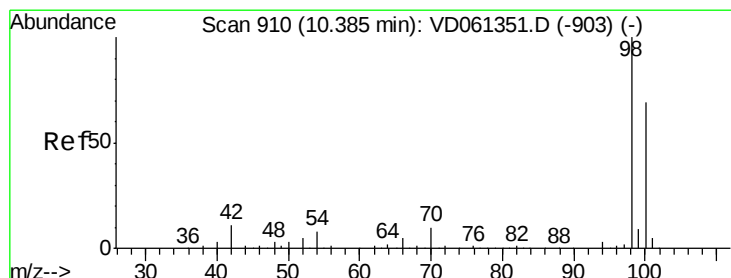
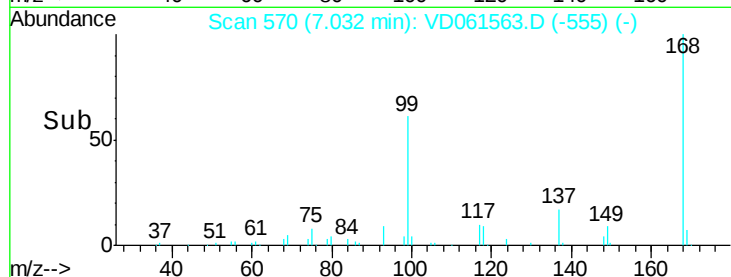
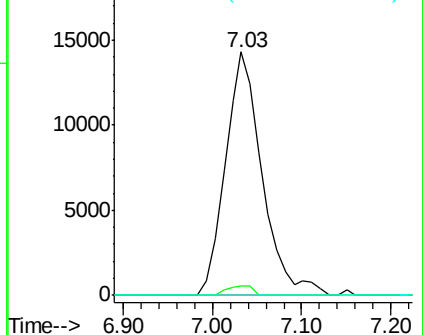
121 0.0 25.6 38.4#



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: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061563.D

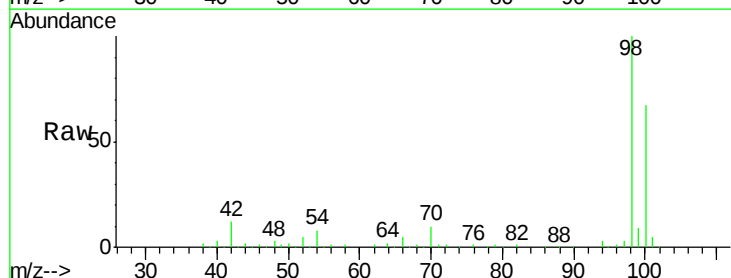
Acq: 3 Apr 2019 18:47

Tgt Ion: 98 Resp: 577830

Ion Ratio Lower Upper

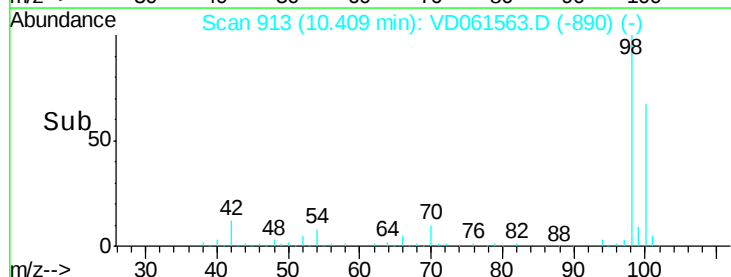
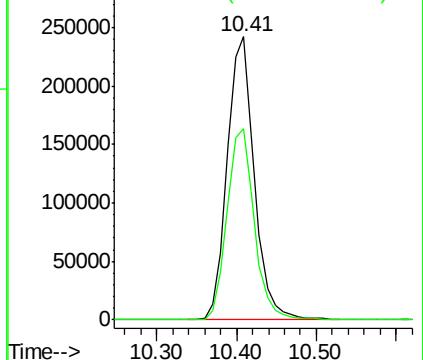
98 100

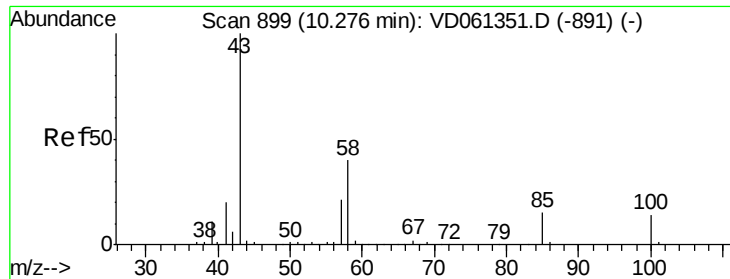
100 67.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.067 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

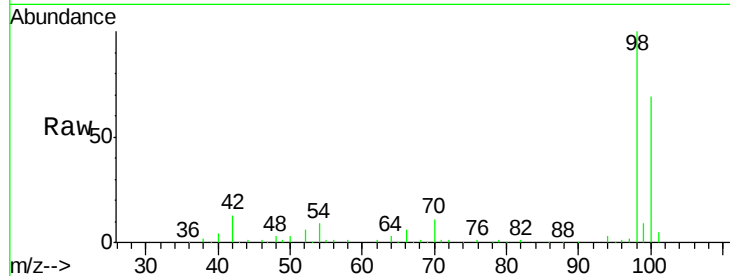
ClientSampleId :

Tot Ion: 43 Resp: 2589

Ion Ratio Lower Upper

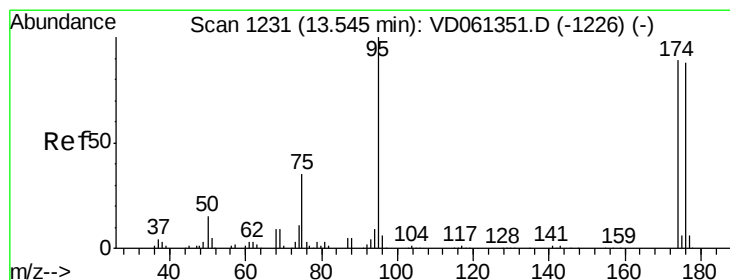
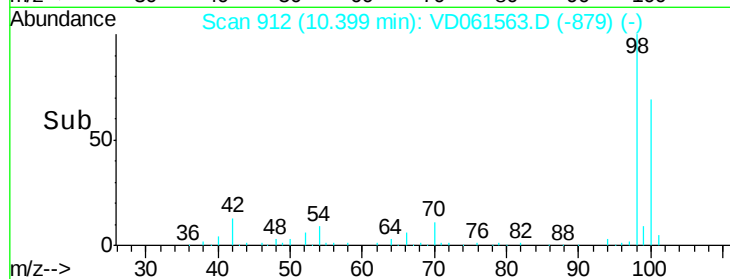
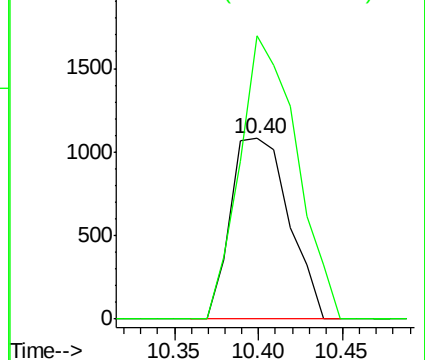
43 100

58 156.8 31.8 47.8#



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# 1232

Delta R.T. 0.00 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

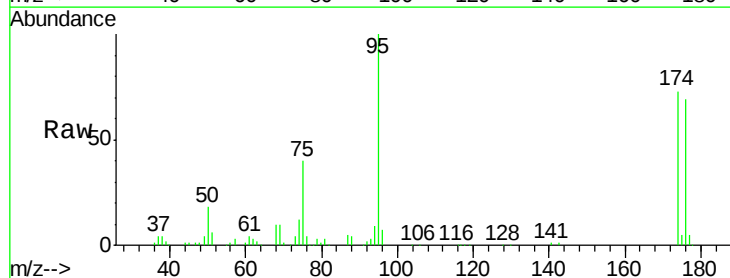
Tgt Ion: 95 Resp: 216517

Ion Ratio Lower Upper

95 100

174 73.1 0.0 178.0

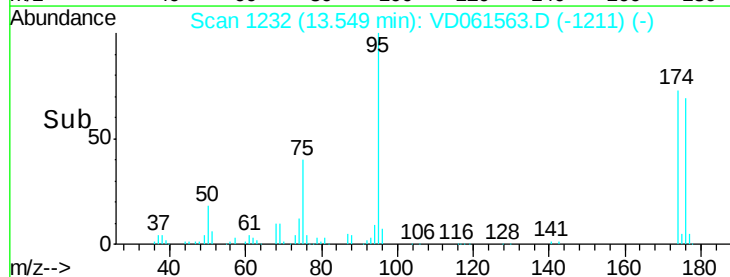
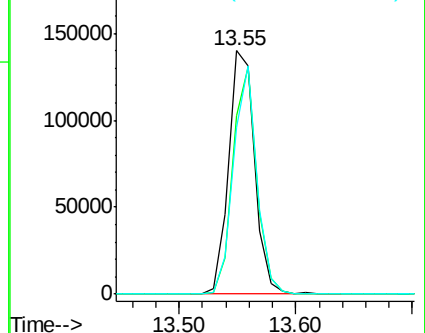
176 68.7 0.0 175.0

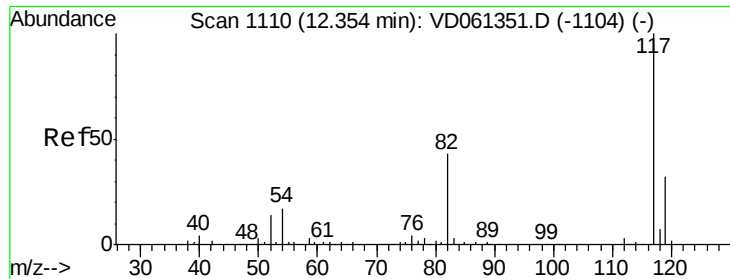


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

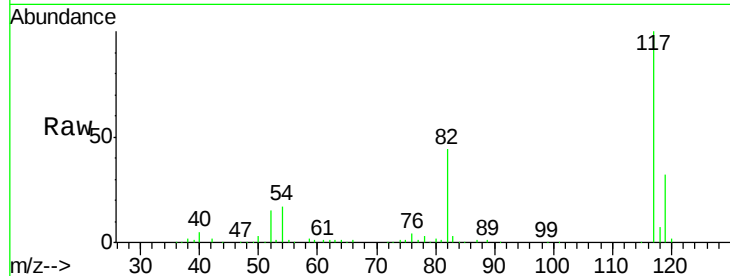




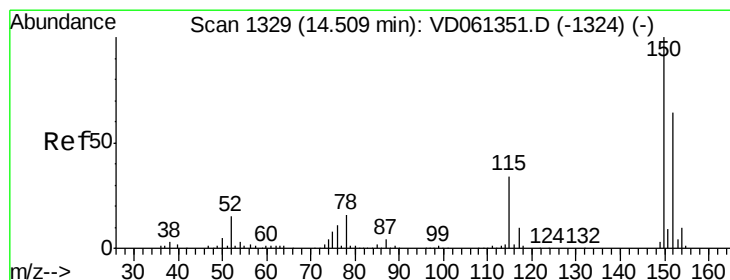
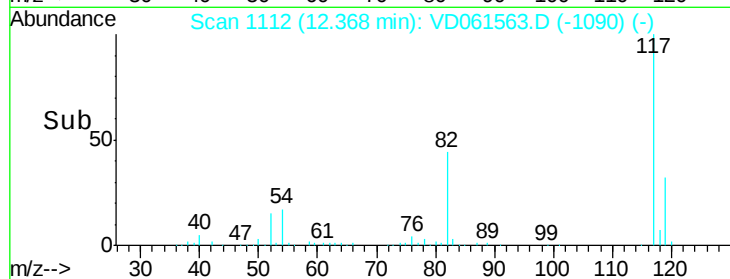
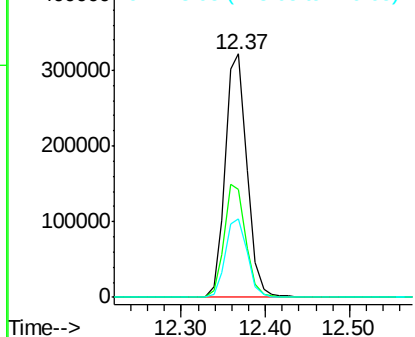
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061563.D
Acq: 3 Apr 2019 18:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 577546
Ion Ratio Lower Upper
117 100
82 44.1 34.4 51.6
119 32.1 25.8 38.6

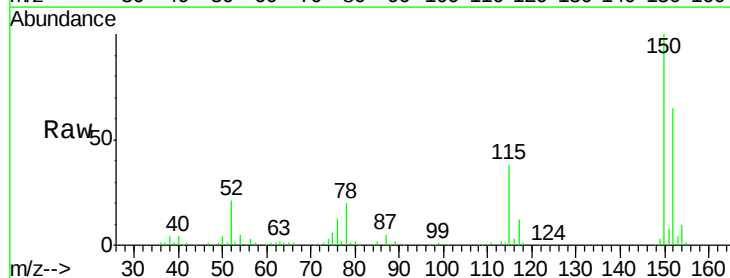


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

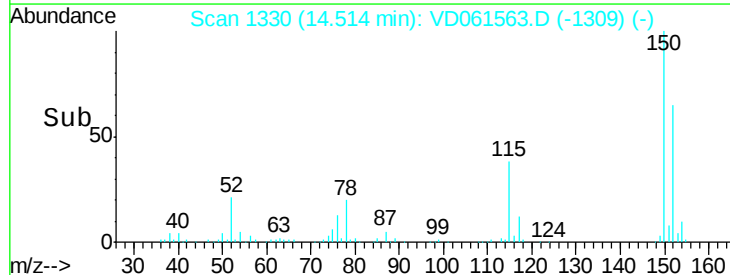
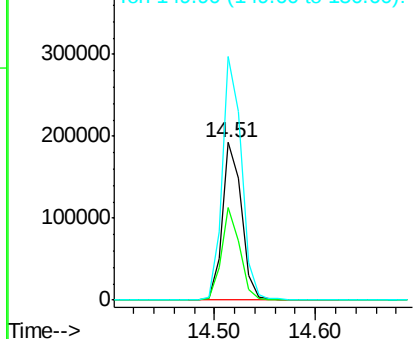


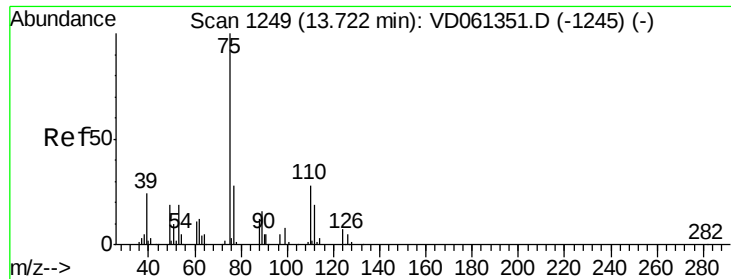
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061563.D
Acq: 3 Apr 2019 18:47

Tgt Ion:152 Resp: 255602
Ion Ratio Lower Upper
152 100
115 59.1 26.9 80.6
150 154.7 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 18.356 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

Instrument :

MSVOA_D

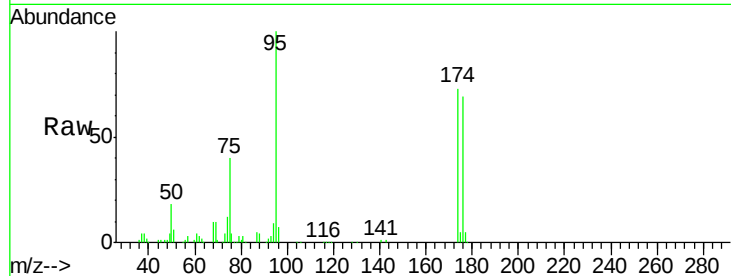
ClientSampleId :

Tot Ion: 75 Resp: 67773

Ion Ratio Lower Upper

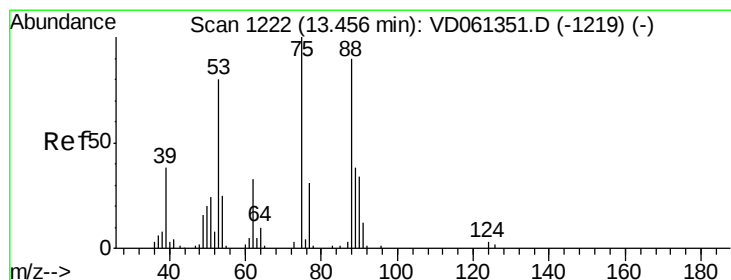
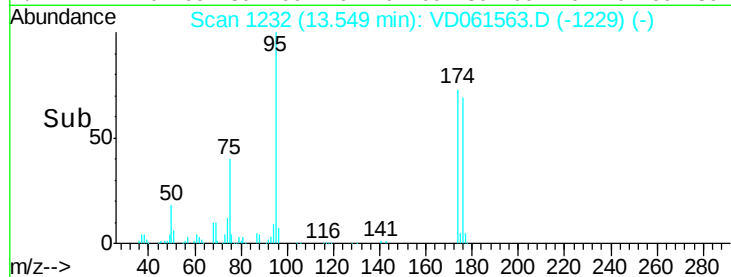
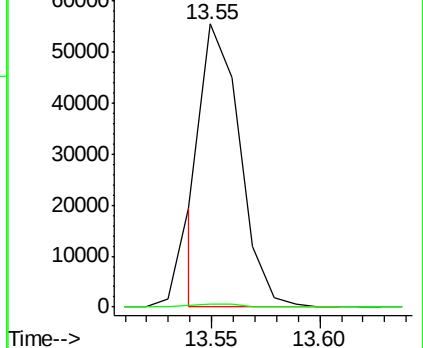
75 100

77 1.2 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 71.175 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061563.D

Acq: 3 Apr 2019 18:47

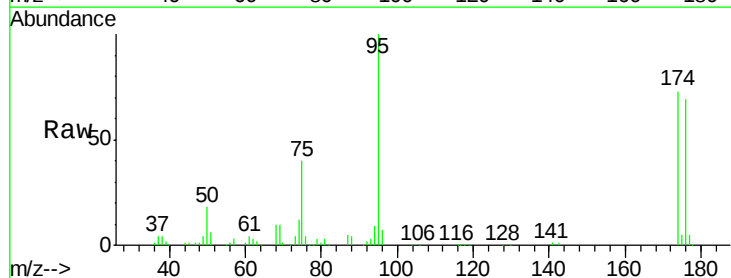
Tgt Ion: 75 Resp: 80126

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

