

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061619.D
 Acq On : 5 Apr 2019 14:26
 Operator : VA/AP
 Sample : K2214-03RE
 Misc : 3.01g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:26:27 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	7.03	168	78823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	144600	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	132925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	75447	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	49984	74.23	ug/l	0.00
Spiked Amount			Recovery	=	148.46%	
35) Dibromofluoromethane	6.91	113	57555	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	10.39	98	113363	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	
62) 4-Bromofluorobenzene	13.54	95	55088	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	

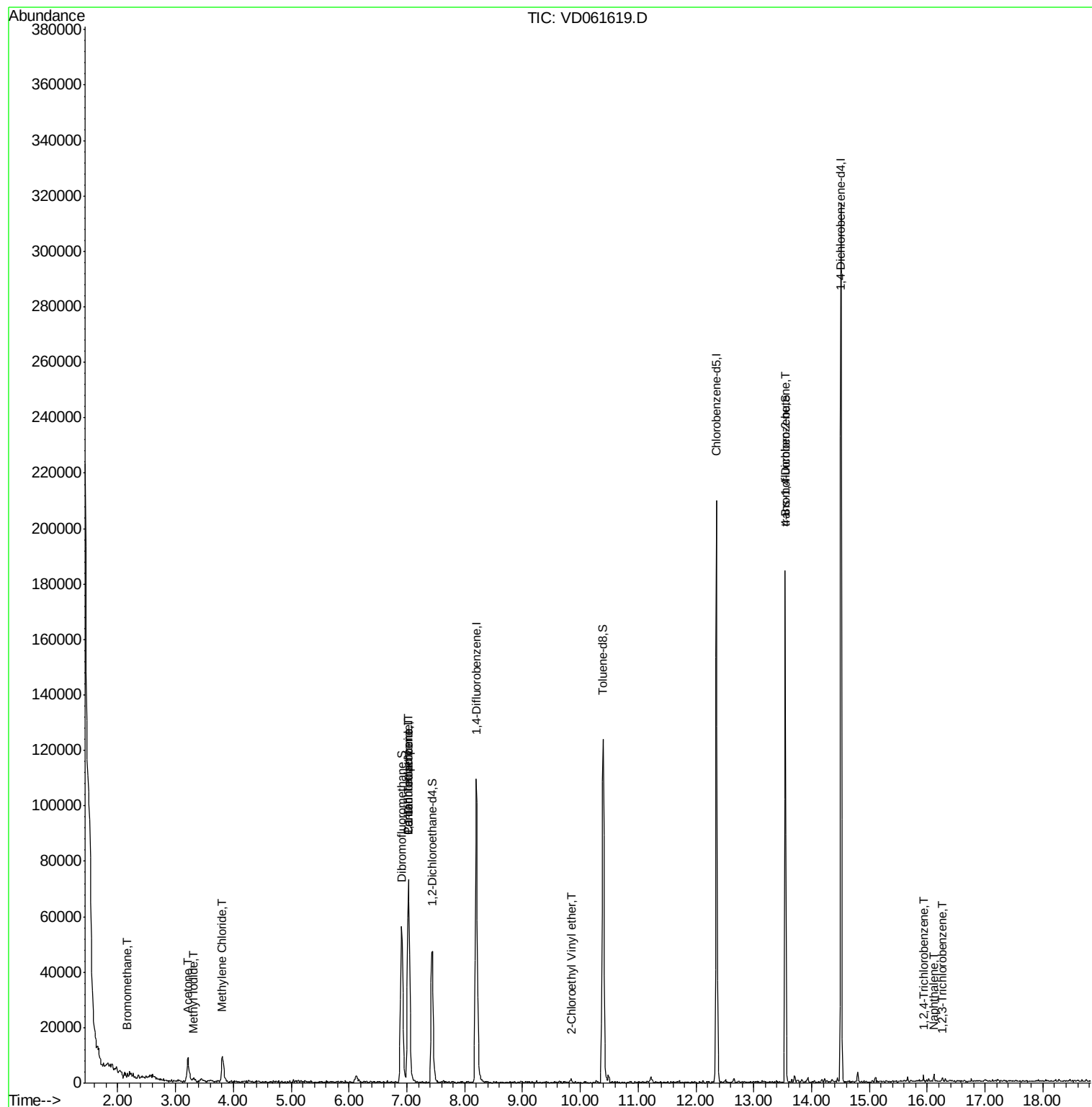
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	852	6.816	ug/l #	10
10) Methyl Iodide	3.32	142	1425	4.351	ug/l #	38
16) Acetone	3.22	43	18029	104.158	ug/l	95
20) Methylene Chloride	3.82	84	8268	6.871	ug/l	93
36) 1,1-Dichloropropene	7.03	75	4689	3.715	ug/l #	38
38) Carbon Tetrachloride	7.04	117	6690	4.613	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.83	63	789	2.232	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.54	75	20250	60.940	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.94	180	1052	1.068	ug/l #	70
95) Naphthalene	16.11	128	2895	1.928	ug/l #	70
96) 1,2,3-Trichlorobenzene	16.26	180	598	1.380	ug/l #	74

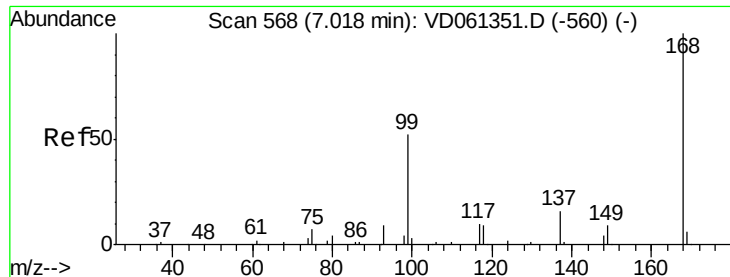
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040519\
Data File : VD061619.D
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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: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

Instrument :

MSVOA_D

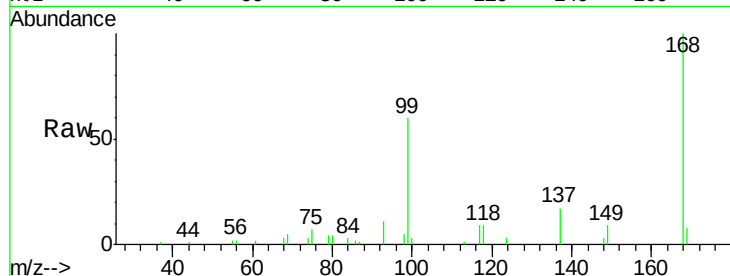
ClientSampleId :

Tot Ion:168 Resp: 78823

Ion Ratio Lower Upper

168 100

99 60.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

30000

25000

20000

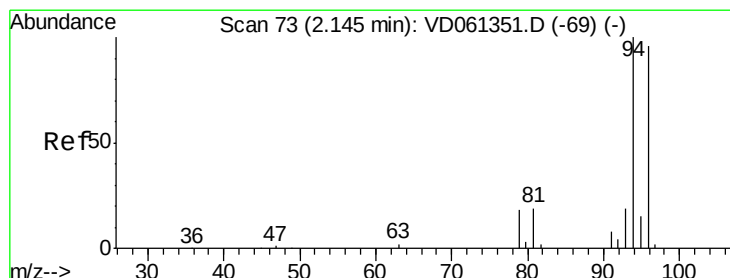
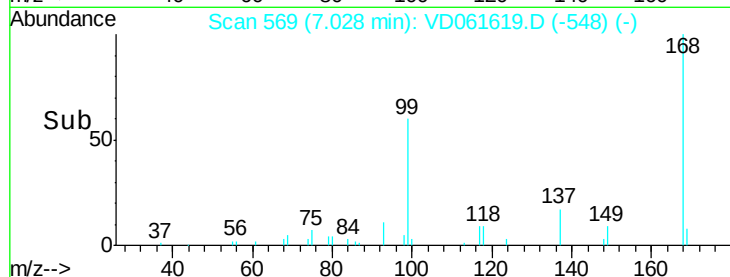
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 6.816 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

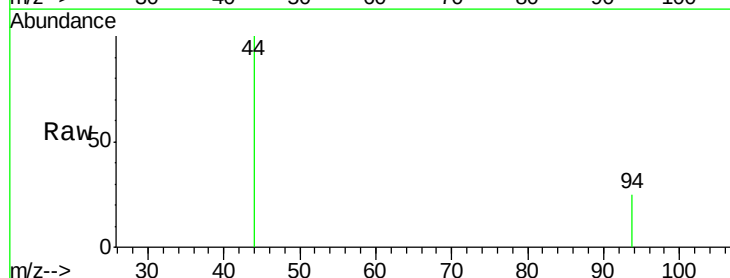
Tgt Ion: 94 Resp: 852

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

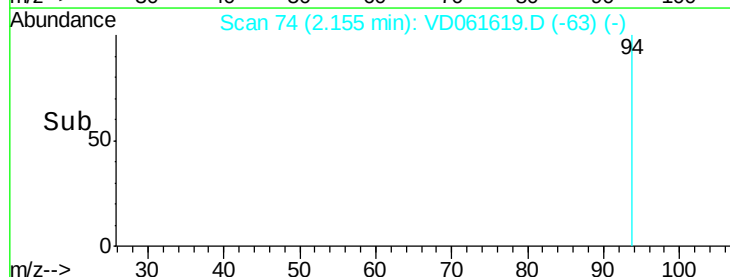
300

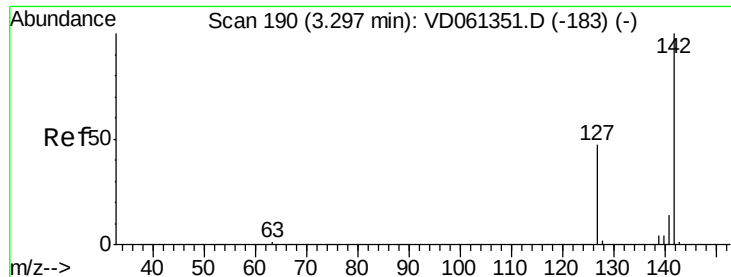
200

100

0

Time-->

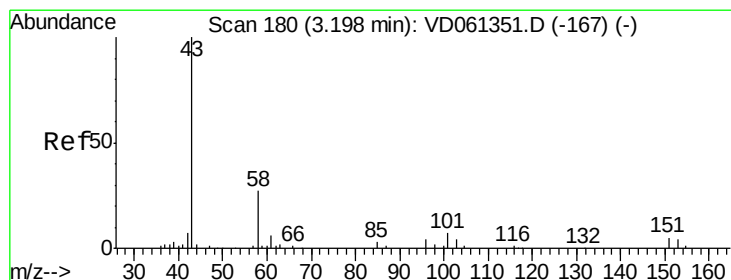
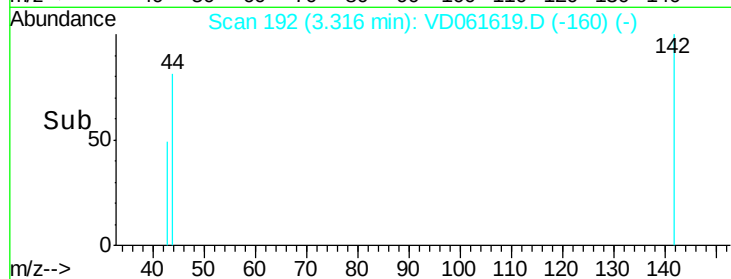
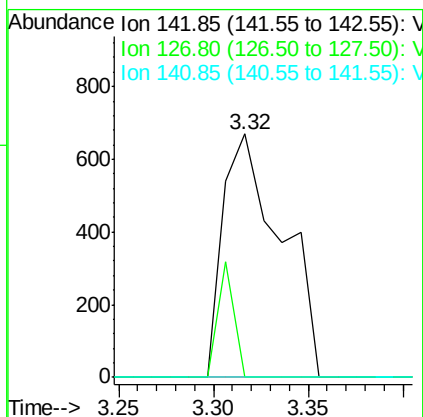
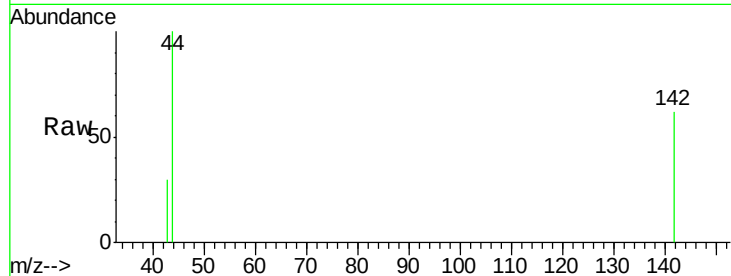




#10
Methyl Iodide
Concen: 4.351 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

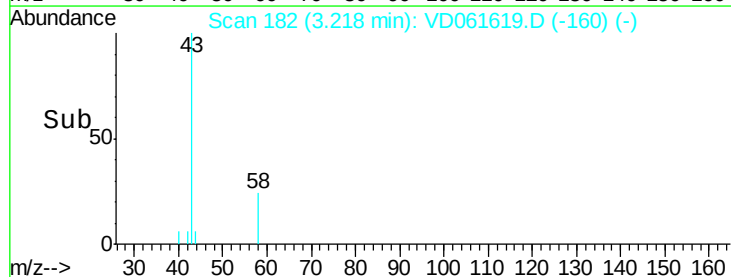
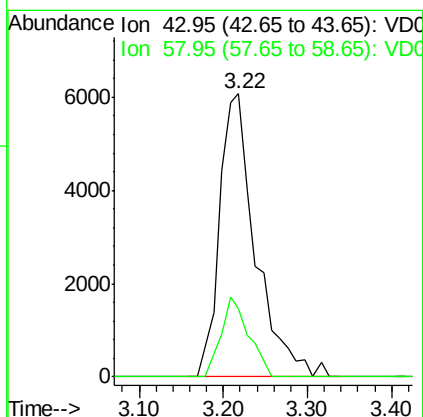
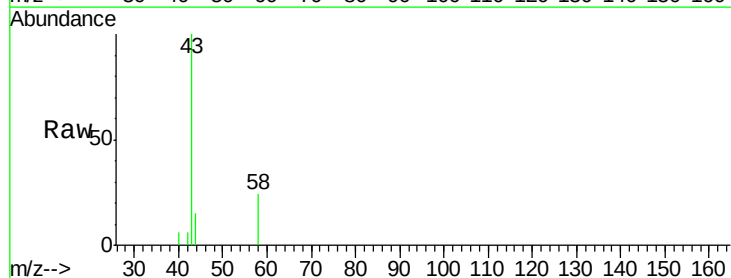
Instrument :
MSVOA_D
ClientSampled :

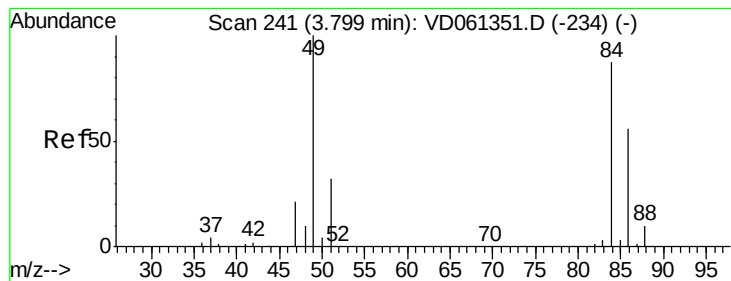
Tot Ion:142 Resp: 1425
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 104.158 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

Tgt Ion: 43 Resp: 18029
Ion Ratio Lower Upper
43 100
58 24.1 21.5 32.3





#20

Methylene Chloride

Concen: 6.871 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 84 Resp: 8268

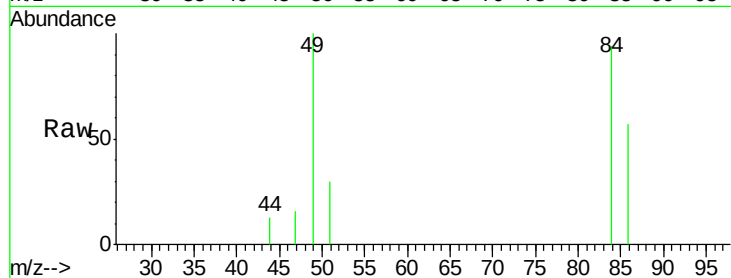
Ion Ratio Lower Upper

84 100

49 106.8 91.8 137.8

51 32.4 29.8 44.8

86 60.9 51.8 77.6

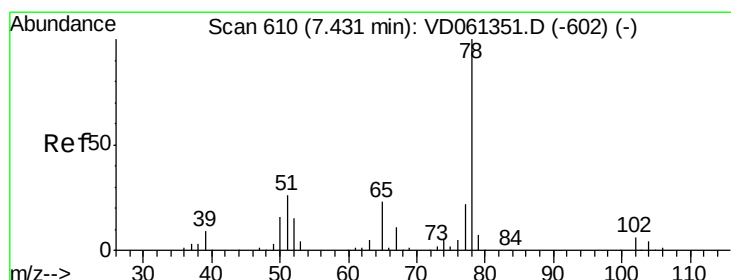
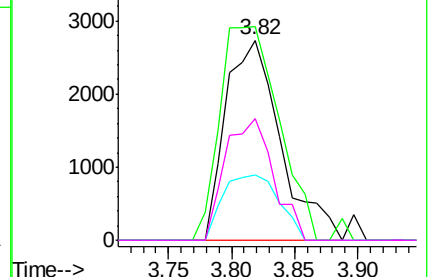
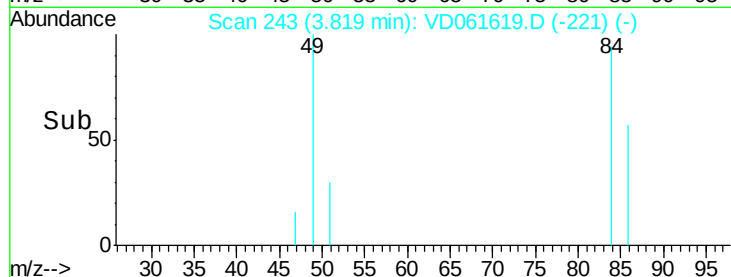


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061619.D

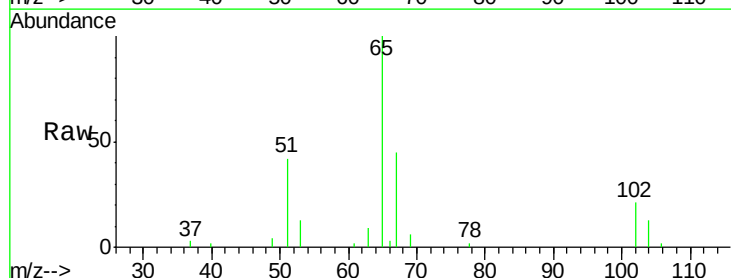
Acq: 5 Apr 2019 14:26

Tgt Ion: 65 Resp: 49984

Ion Ratio Lower Upper

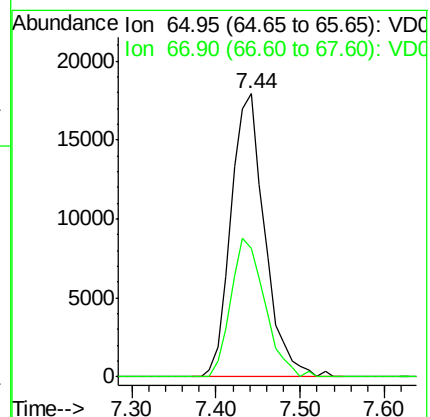
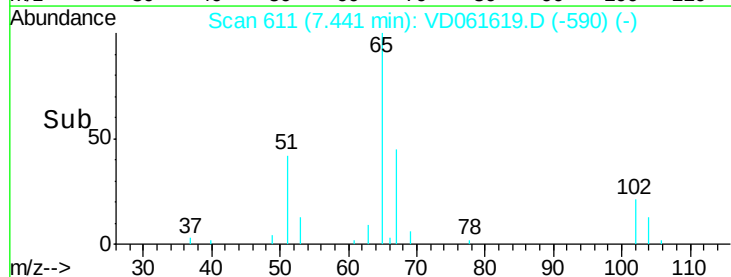
65 100

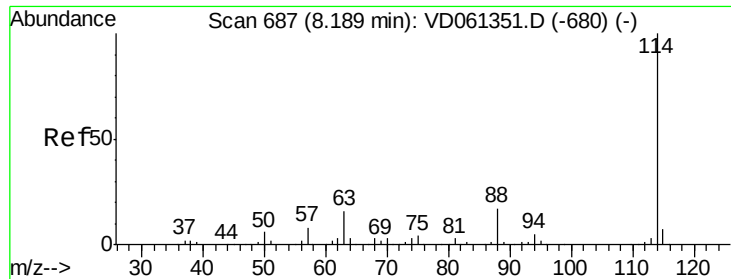
67 45.3 0.0 99.8



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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

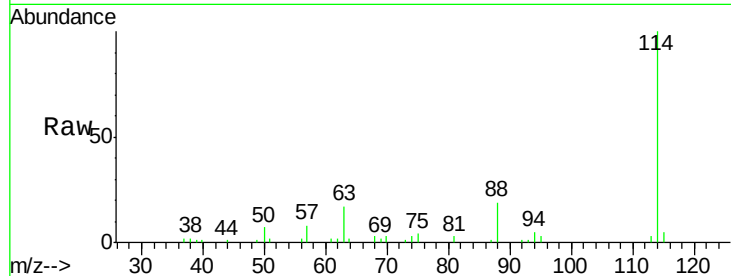
Tot Ion:114 Resp: 144600

Ion Ratio Lower Upper

114 100

63 17.1 0.0 31.6

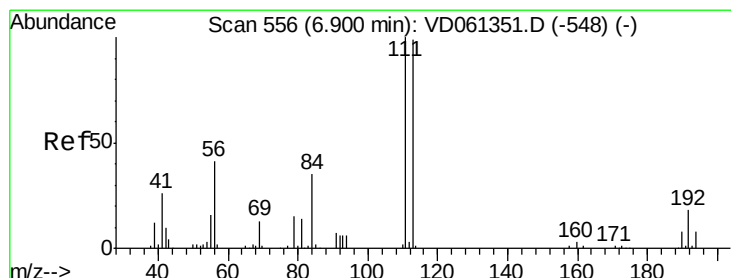
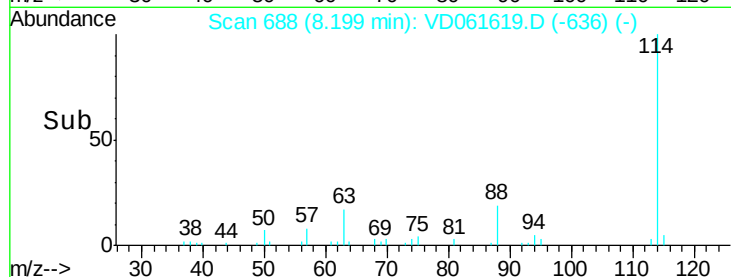
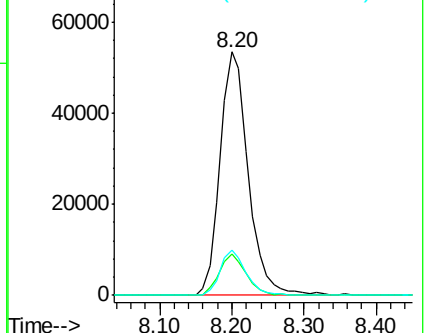
88 18.6 0.0 33.4



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: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

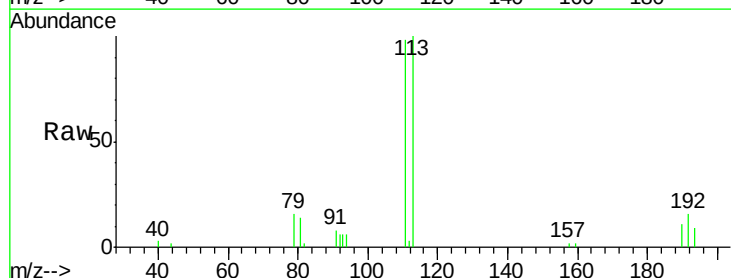
Tgt Ion:113 Resp: 57555

Ion Ratio Lower Upper

113 100

111 98.4 81.0 121.6

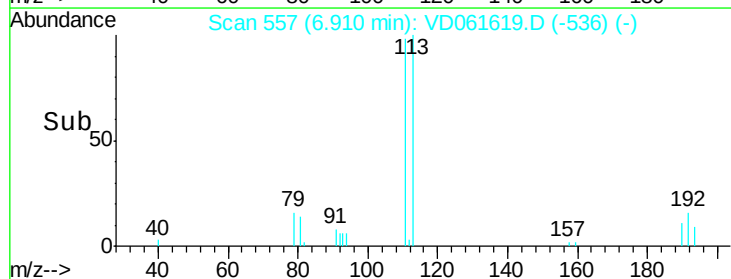
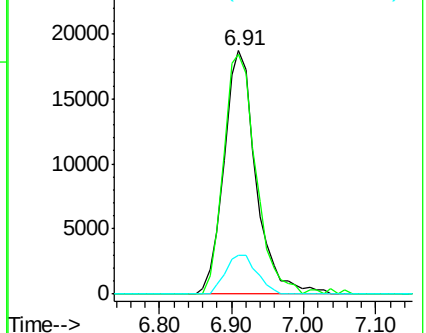
192 16.2 14.4 21.6

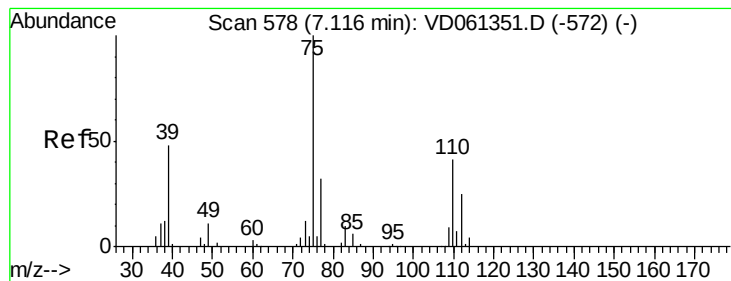


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.715 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

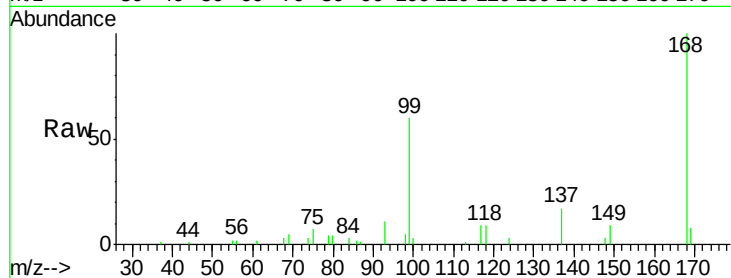
Tot Ion: 75 Resp: 4689

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

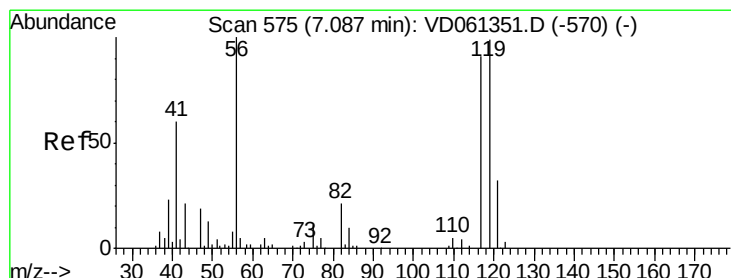
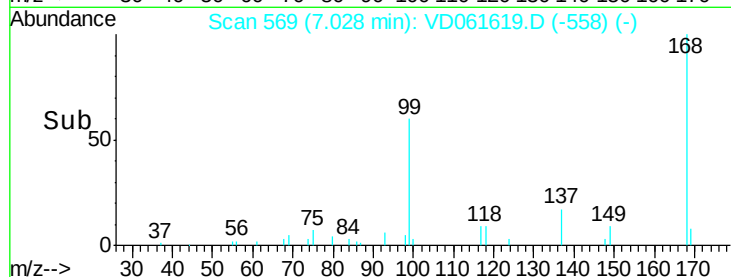
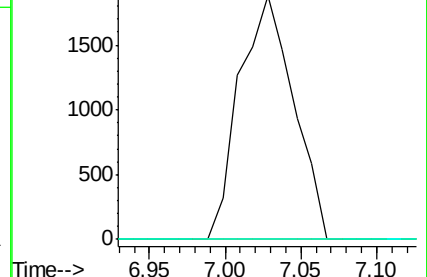
77 0.0 24.9 37.3#



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



#38

Carbon Tetrachloride

Concen: 4.613 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

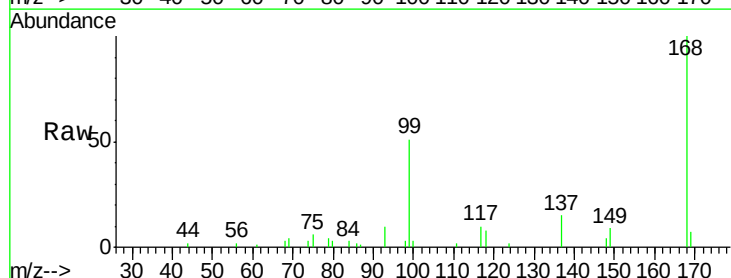
Tgt Ion: 117 Resp: 6690

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

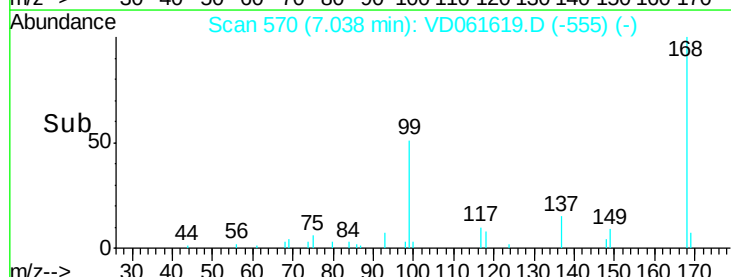
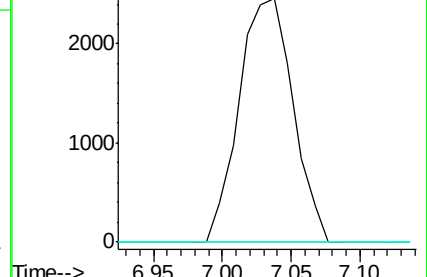
121 0.0 25.6 38.4#

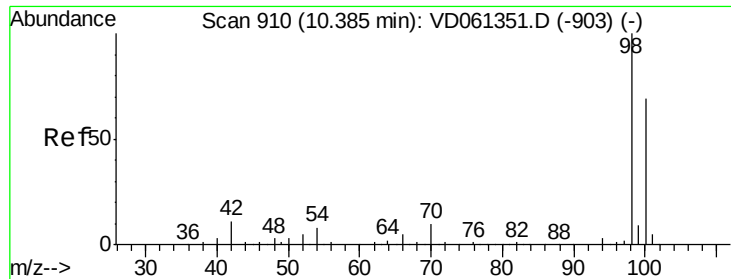


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

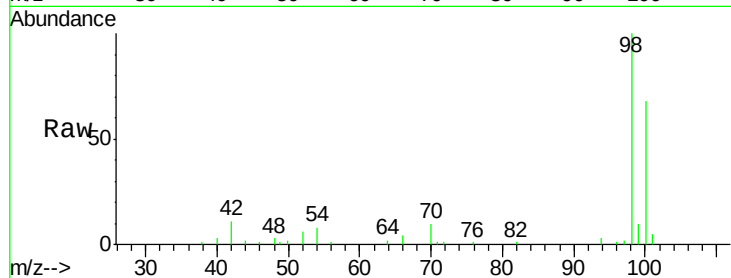




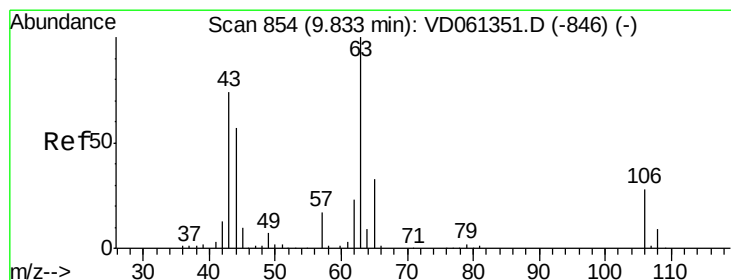
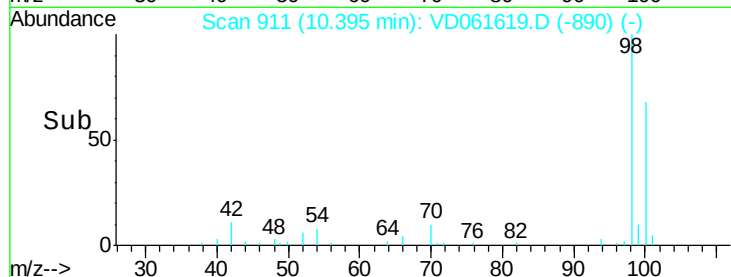
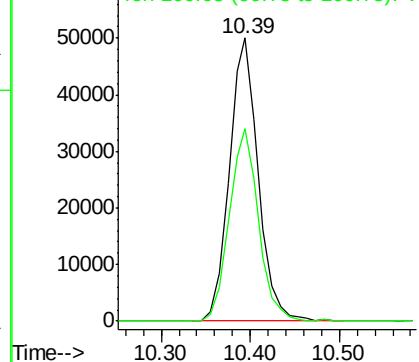
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 113363
Ion Ratio Lower Upper
98 100
100 67.8 56.2 84.2

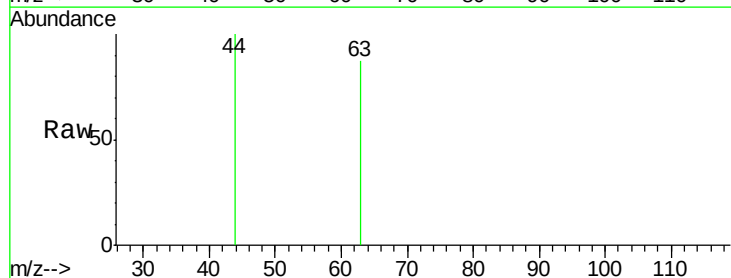


Abundance Ion 98.05 (97.75 to 98.75): VD061619.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061619.D (-903) (-)

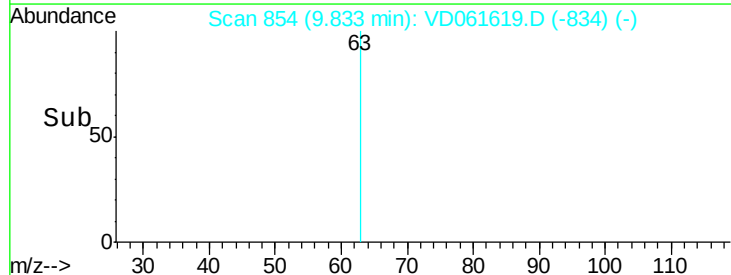
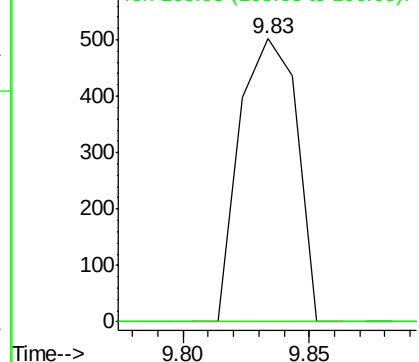


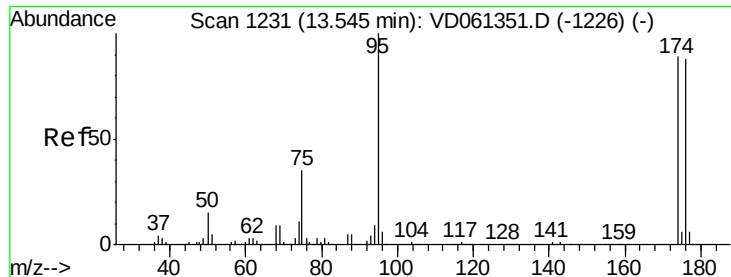
#58
2-Chloroethyl Vinyl ether
Concen: 2.232 ug/l
RT: 9.83 min Scan# 854
Delta R.T. 0.00 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

Tgt Ion: 63 Resp: 789
Ion Ratio Lower Upper
63 100
106 0.0 22.4 33.6#



Abundance Ion 62.95 (62.65 to 63.65): VD061619.D (-834) (-)
Ion 105.95 (105.65 to 106.65): VD061619.D (-834) (-)

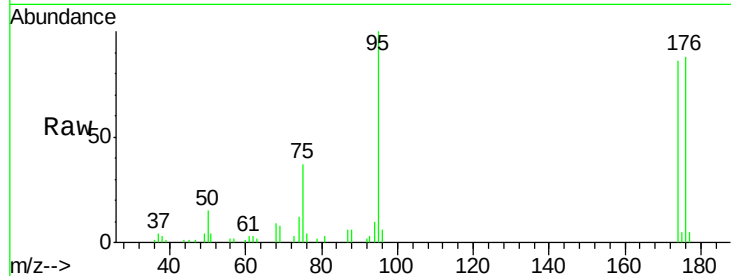




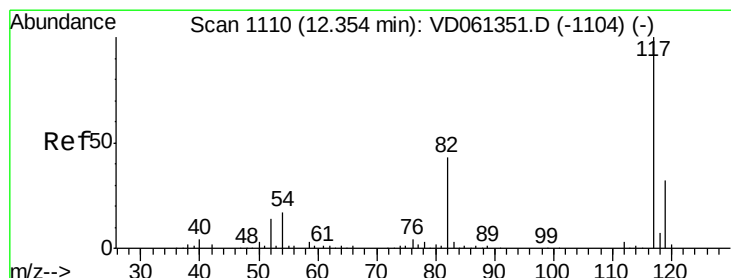
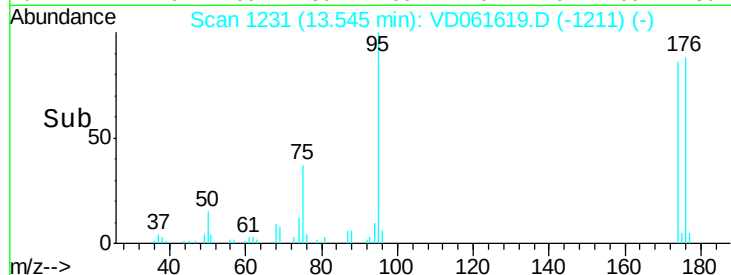
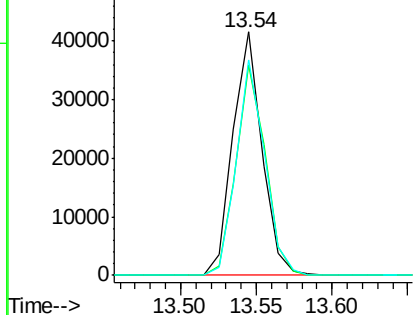
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 55088
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.0
176 88.4 0.0 175.0

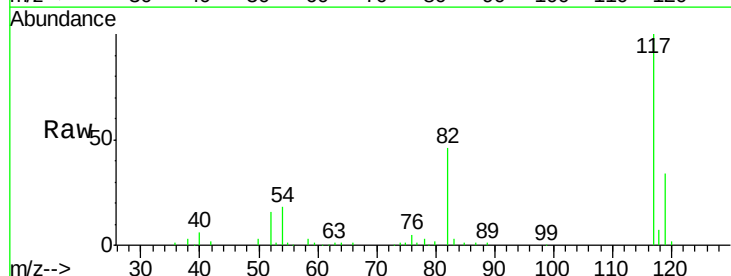


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

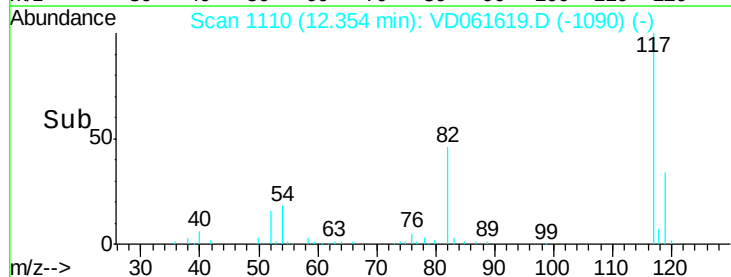
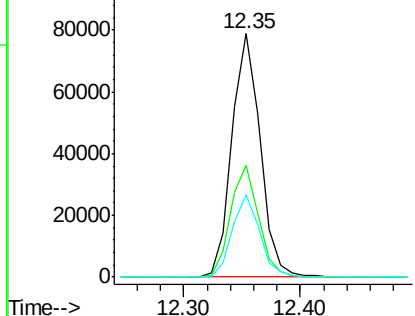


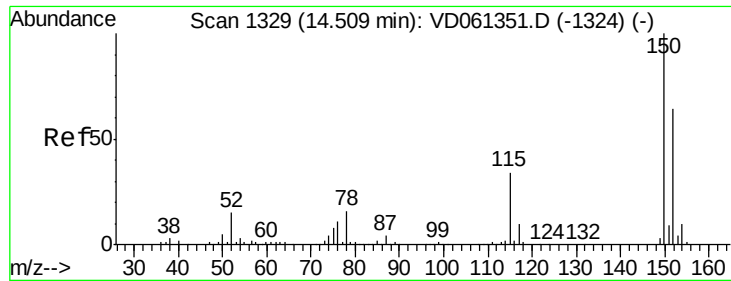
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061619.D
Acq: 5 Apr 2019 14:26

Tgt Ion: 117 Resp: 132925
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.8 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# 1329

Delta R.T. 0.00 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

Instrument :

MSVOA_D

ClientSampleId :

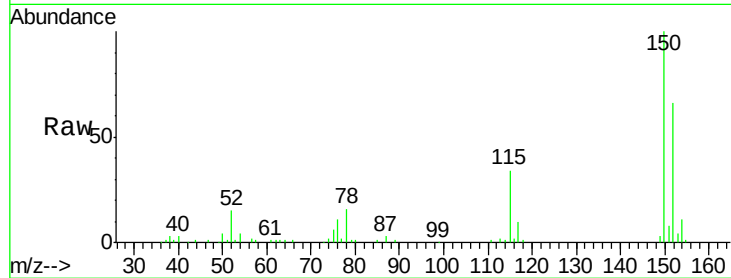
Tot Ion:152 Resp: 75447

Ion Ratio Lower Upper

152 100

115 50.4 26.9 80.6

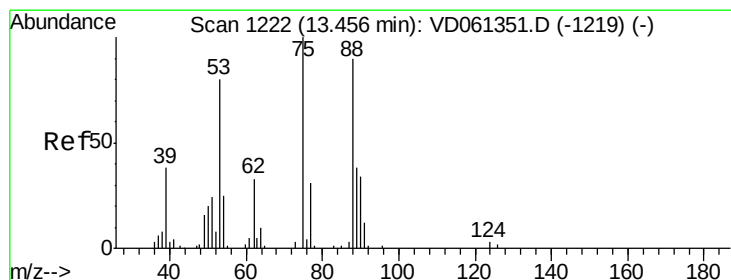
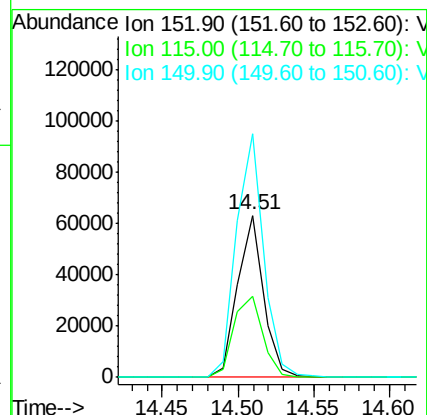
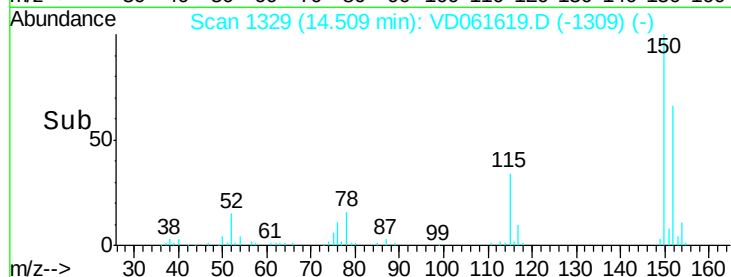
150 150.4 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 60.940 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061619.D

Acq: 5 Apr 2019 14:26

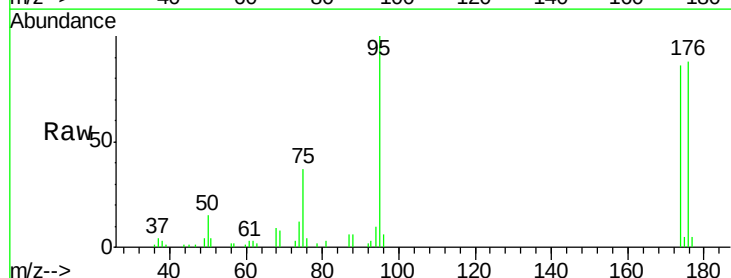
Tgt Ion: 75 Resp: 20250

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

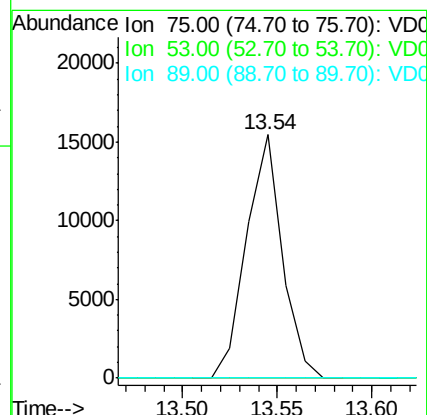
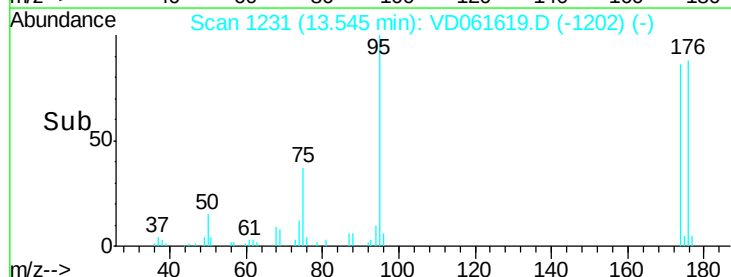
89 0.0 30.5 45.7#

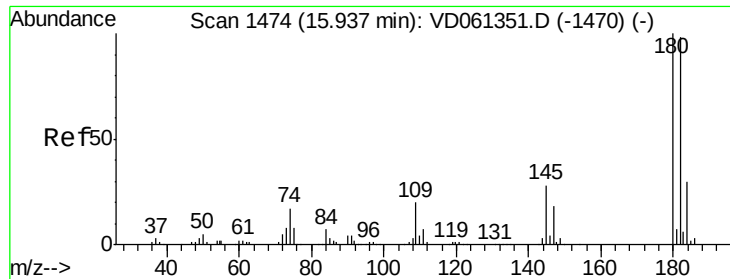


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

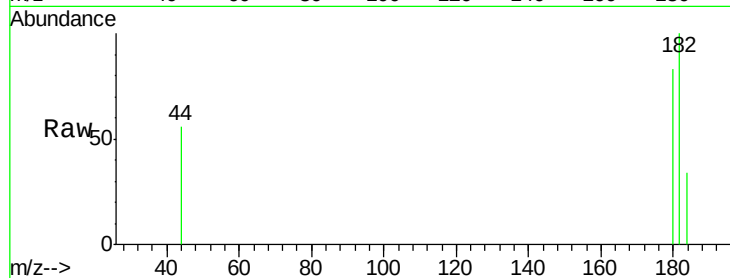




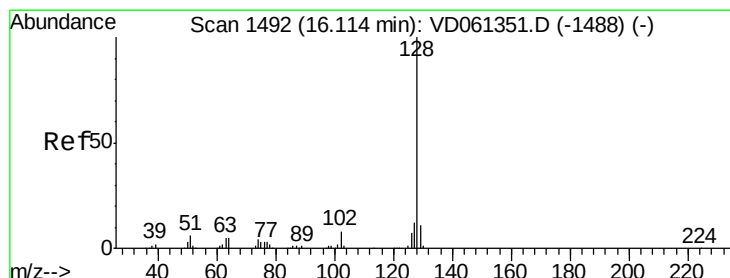
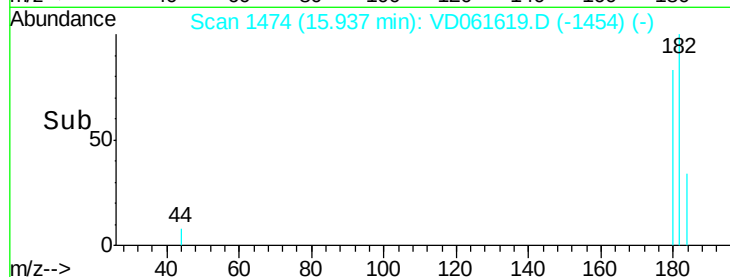
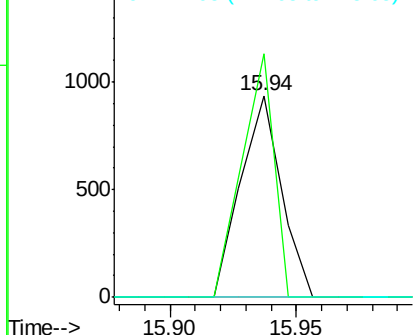
#93
 1,2,4-Trichlorobenzene
 Concen: 1.068 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061619.D
 Acq: 5 Apr 2019 14:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 1052
 Ion Ratio Lower Upper
 180 100
 182 120.8 48.9 146.8
 145 0.0 14.1 42.3#

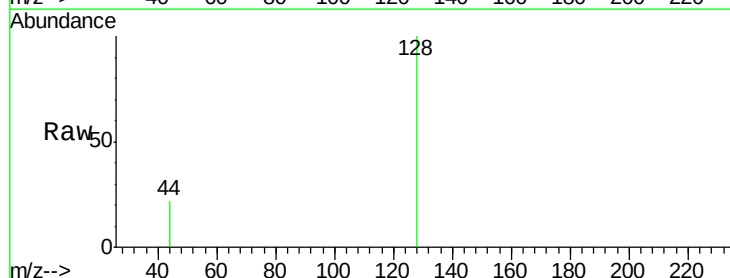


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

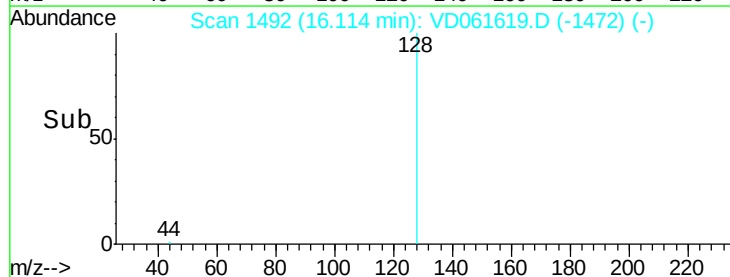
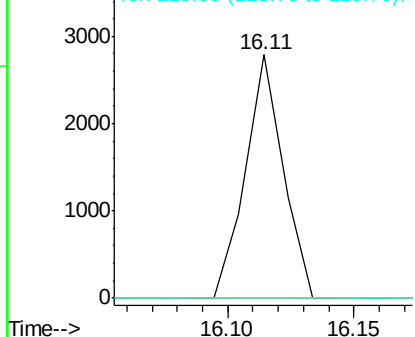


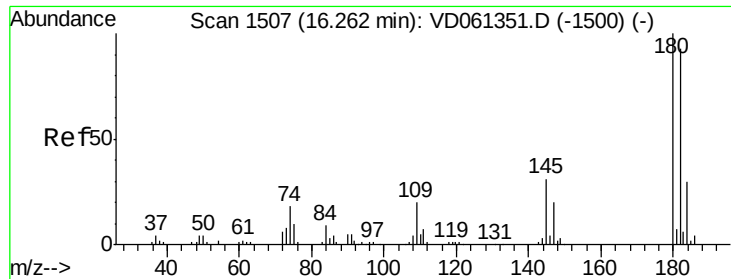
#95
 Naphthalene
 Concen: 1.928 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VD061619.D
 Acq: 5 Apr 2019 14:26

Tgt Ion:128 Resp: 2895
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.9 14.9#
 129 0.0 8.9 13.3#



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

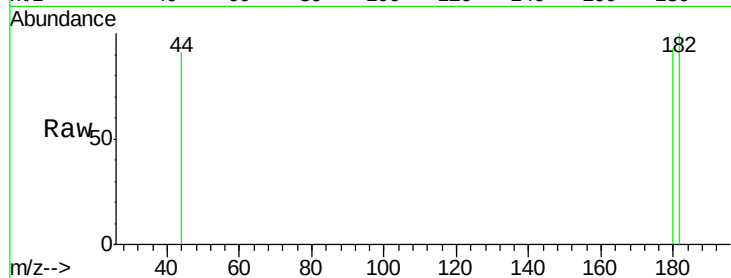




#96
 1,2,3-Trichlorobenzene
 Concen: 1.380 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VD061619.D
 Acq: 5 Apr 2019 14:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 598
 Ion Ratio Lower Upper
 180 100
 182 107.9 46.4 139.1
 145 0.0 15.3 45.9#



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

