

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061709.D
 Acq On : 10 Apr 2019 13:15
 Operator : VA/AP
 Sample : VD0410SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

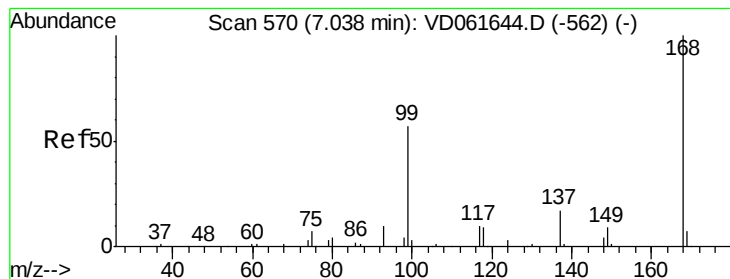
Quant Time: Apr 11 01:04:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	695127	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1089129	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	936483	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	447359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	253816	48.17	ug/l	0.03
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	6.94	113	394666	52.31	ug/l	0.03
Spiked Amount			Recovery	=	104.62%	
50) Toluene-d8	10.43	98	853304	45.01	ug/l	0.03
Spiked Amount			Recovery	=	90.02%	
62) 4-Bromofluorobenzene	13.57	95	335518	50.44	ug/l	0.02
Spiked Amount			Recovery	=	100.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	2507	1.913	ug/l #	12
10) Methyl Iodide	3.34	142	3950	3.946	ug/l #	82
16) Acetone	3.24	43	2242	1.423	ug/l	92
20) Methylene Chloride	3.84	84	38179	4.272	ug/l	96
31) Cyclohexane	7.06	56	12566	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	49633	5.207	ug/l #	46
38) Carbon Tetrachloride	7.06	117	65423	5.856	ug/l #	14
43) Isopropyl Acetate	9.56	43	7651	1.358	ug/l #	43
76) 1,2,3-Trichloropropane	13.56	75	111734	18.358	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	126683	68.592	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

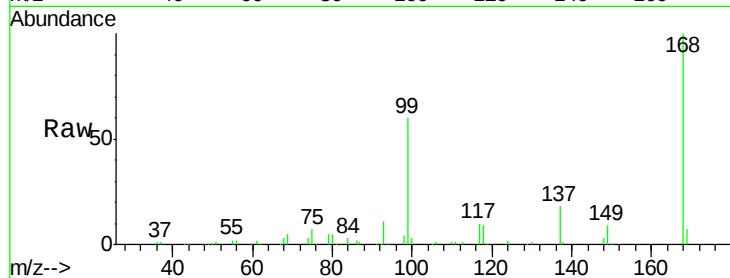
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 695127

Ion Ratio Lower Upper

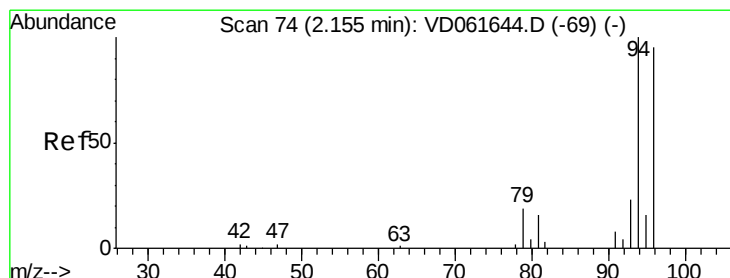
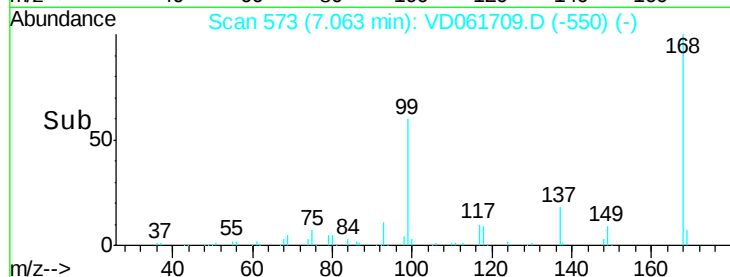
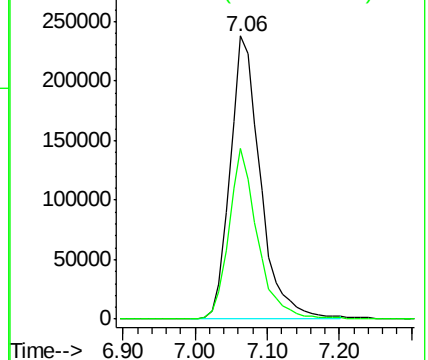
168 100

99 60.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.913 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

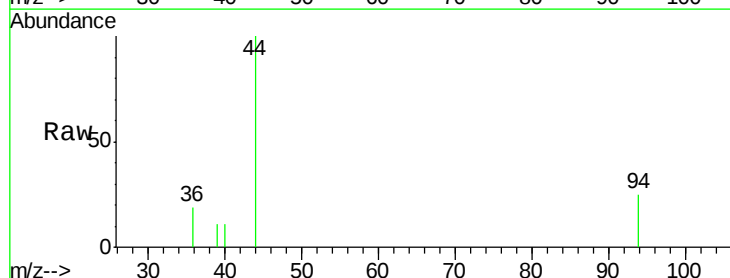
Tgt Ion: 94 Resp: 2507

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

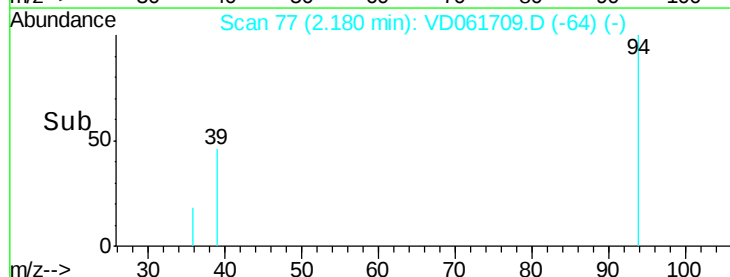
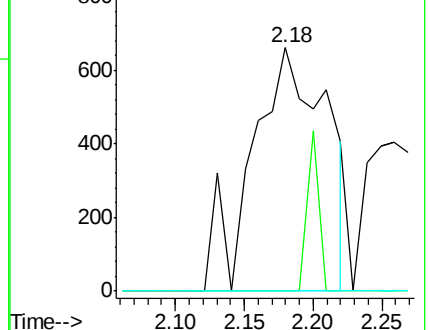
93 0.0 18.6 28.0#

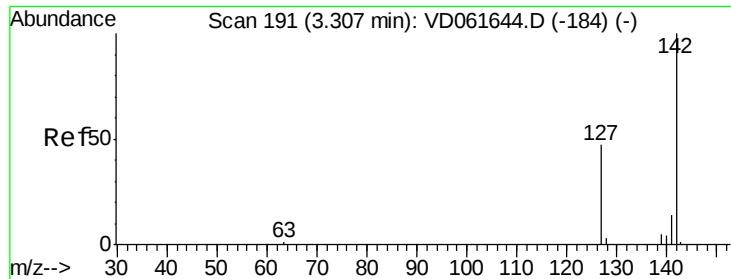


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

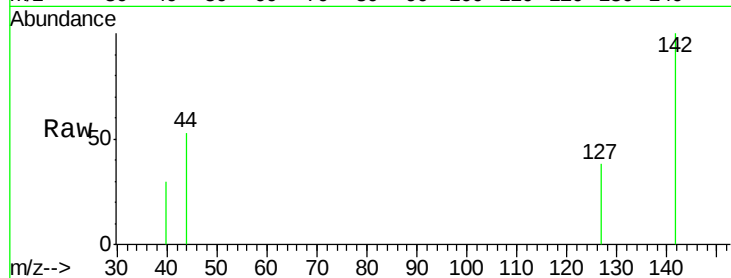




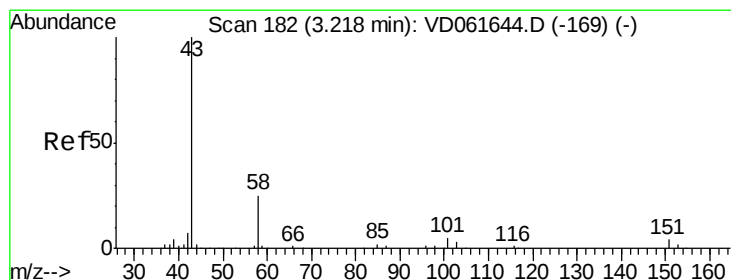
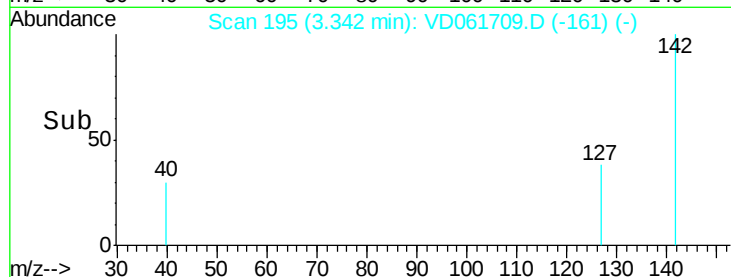
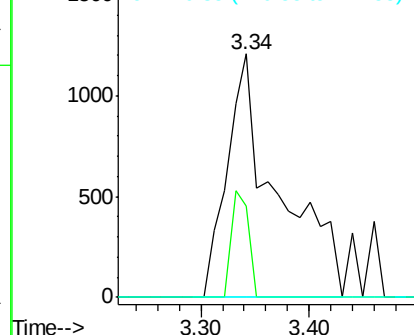
#10
Methvl Iodide
Concen: 3.946 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 3950
Ion Ratio Lower Upper
142 100
127 37.6 37.2 55.8
141 0.0 10.8 16.2#

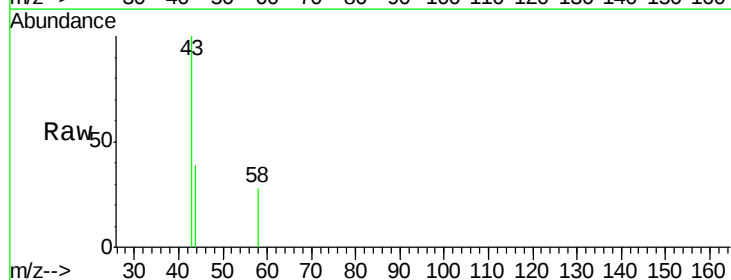


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

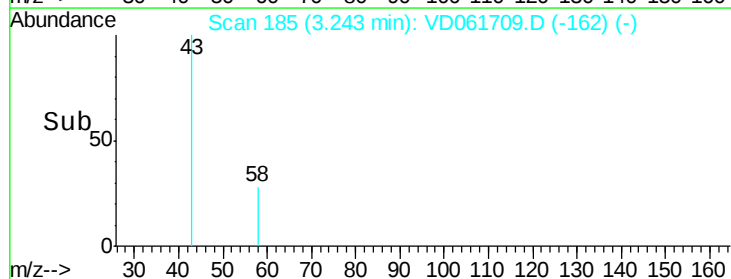
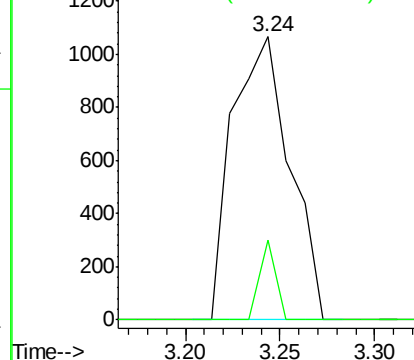


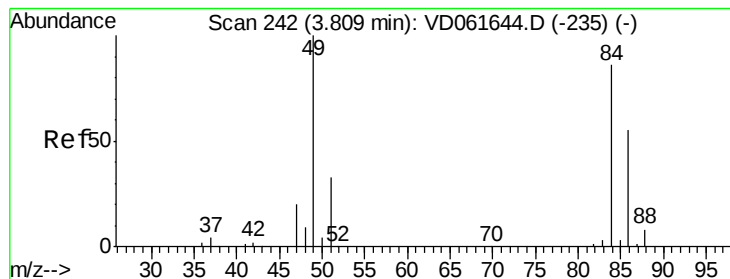
#16
Acetone
Concen: 1.423 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.03 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Tgt Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
58 28.4 19.7 29.5



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





#20

Methvlene Chloride

Concen: 4.272 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 38179

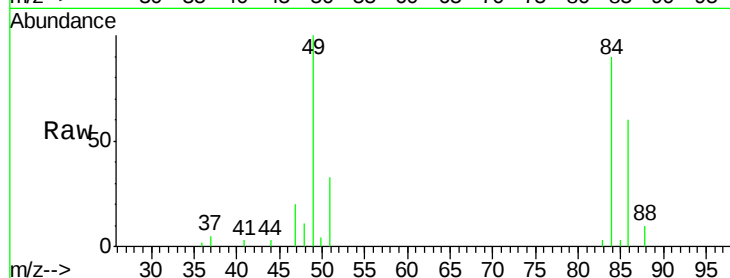
Ion Ratio Lower Upper

84 100

49 111.5 93.0 139.4

51 37.1 30.4 45.6

86 66.4 51.0 76.4

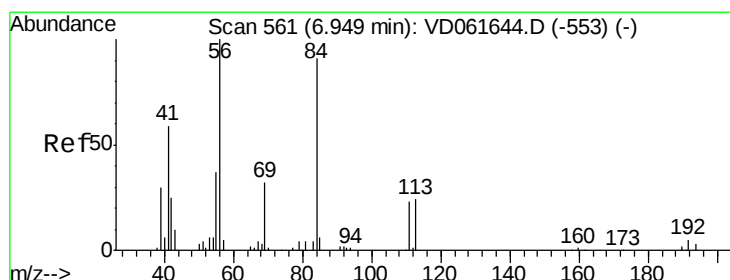
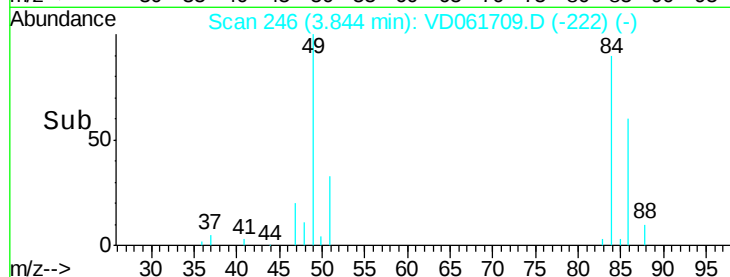
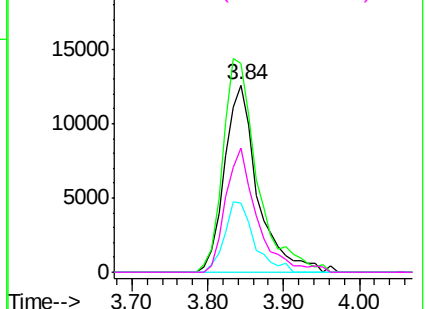


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

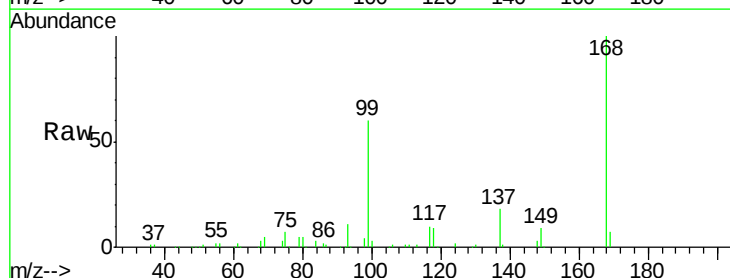
Tgt Ion: 56 Resp: 12566

Ion Ratio Lower Upper

56 100

69 259.5 25.8 38.6#

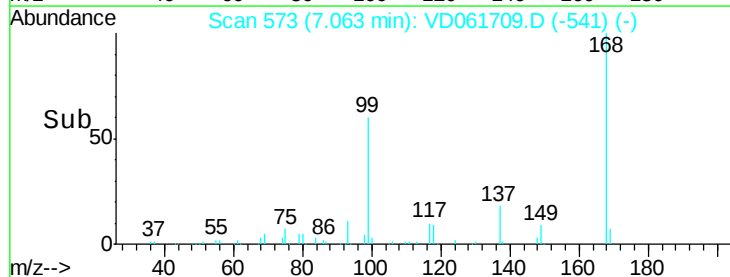
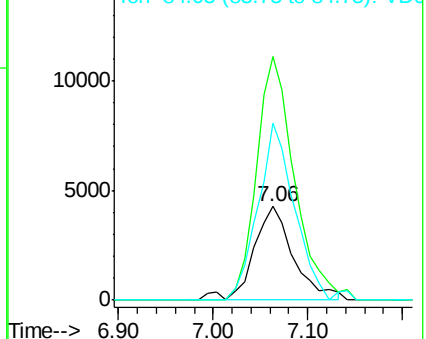
84 188.5 74.2 111.2#

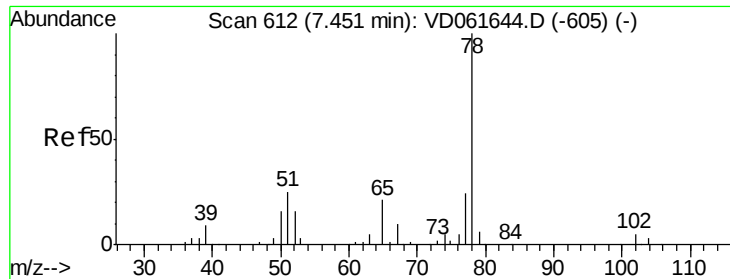


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

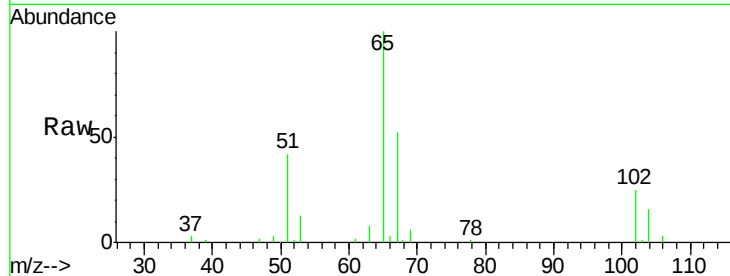
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 253816

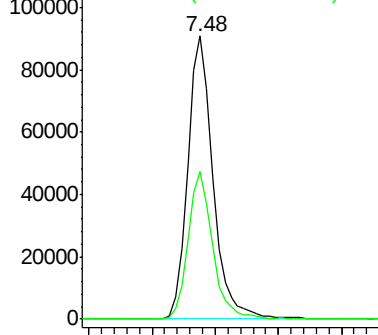
Ion Ratio Lower Upper

65 100

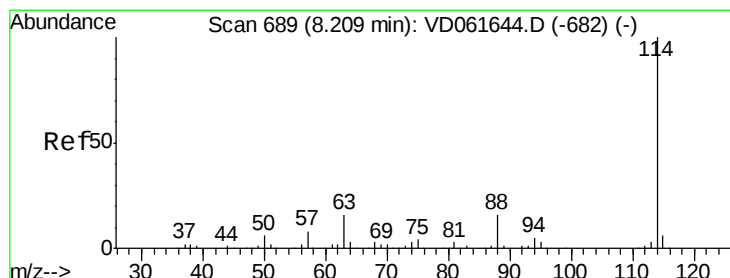
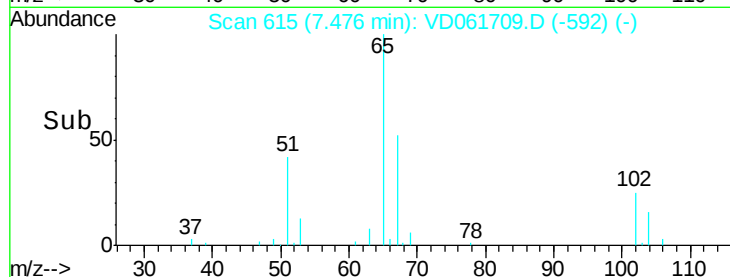
67 52.3 0.0 99.4



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



Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

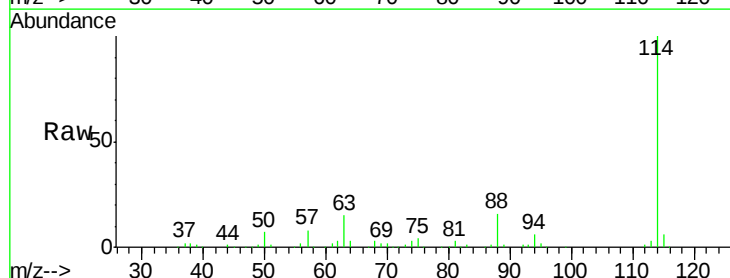
Tgt Ion: 114 Resp: 1089129

Ion Ratio Lower Upper

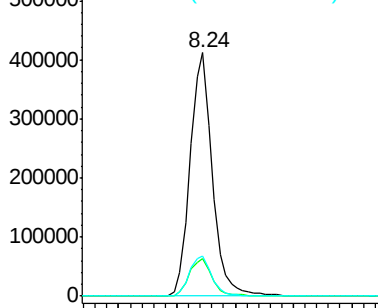
114 100

63 15.2 0.0 31.2

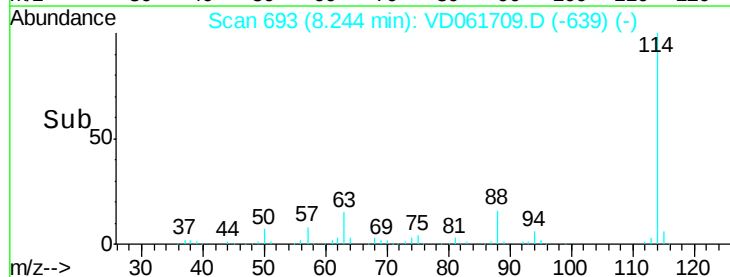
88 16.3 0.0 31.8

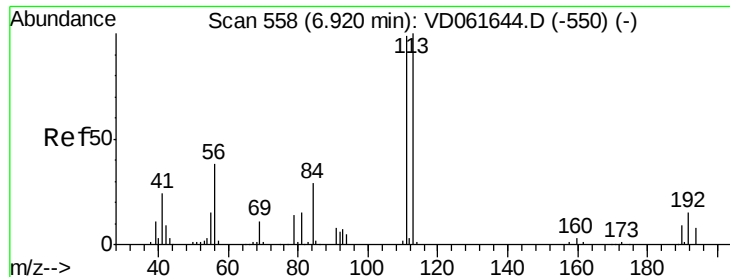


Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC



Time--> 8.10 8.20 8.30 8.40 8.50

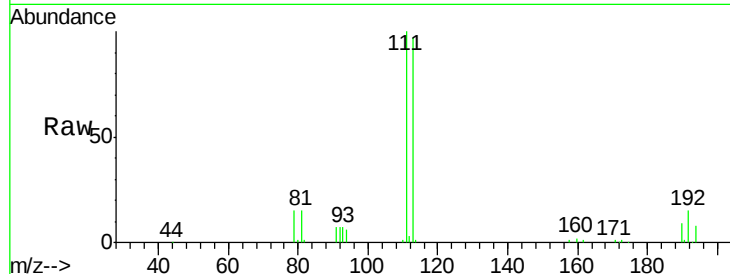




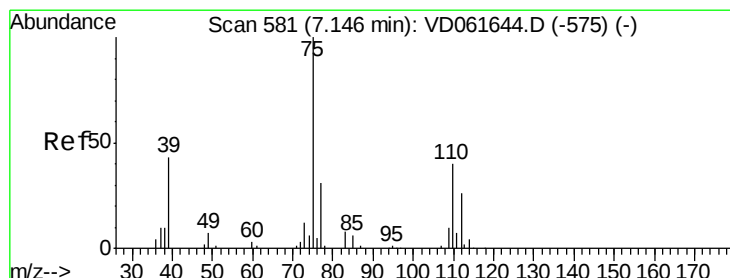
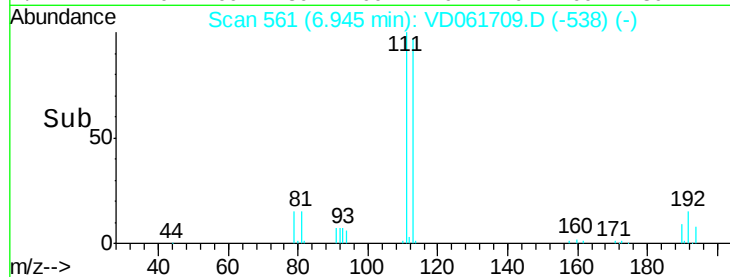
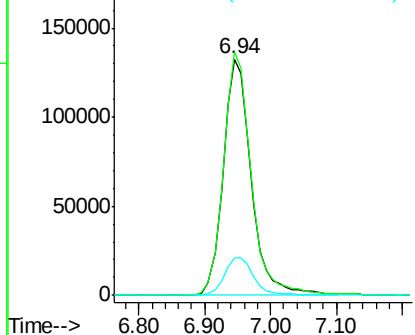
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061709.D
 Acq: 10 Apr 2019 13:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 394666
 Ion Ratio Lower Upper
 113 100
 111 103.1 79.3 118.9
 192 16.0 12.3 18.5

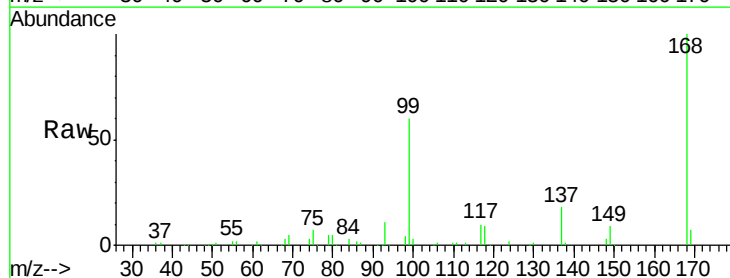


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

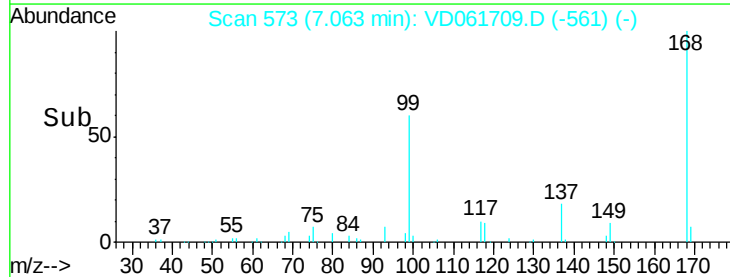
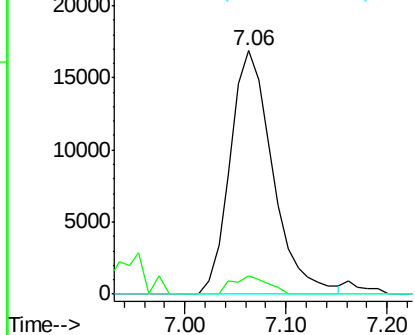


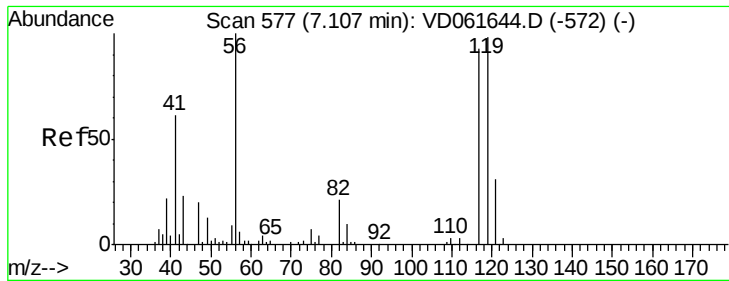
#36
 1,1-Dichloropropene
 Concen: 5.207 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061709.D
 Acq: 10 Apr 2019 13:15

Tgt Ion: 75 Resp: 49633
 Ion Ratio Lower Upper
 75 100
 110 7.8 19.7 59.0#
 77 0.0 24.8 37.2#



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

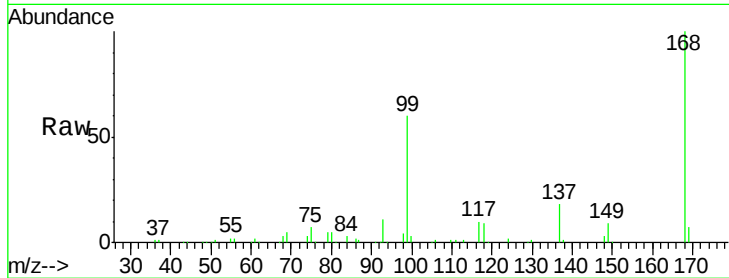




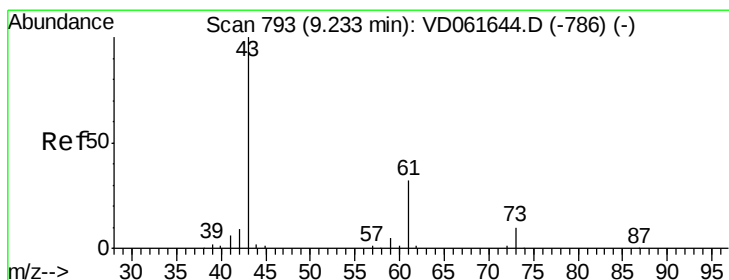
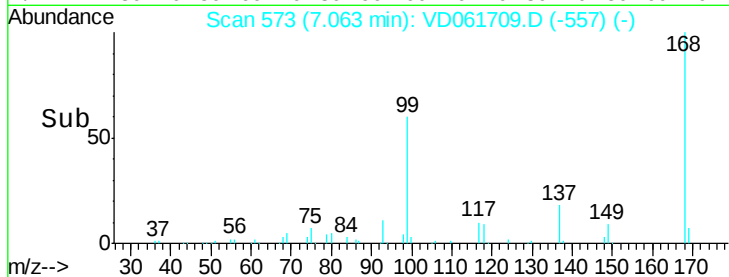
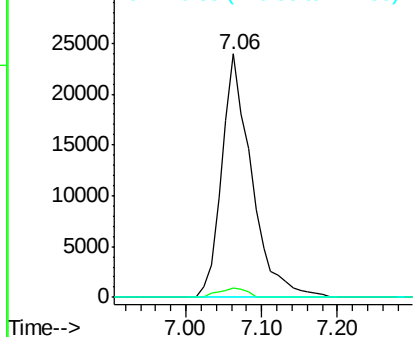
#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 65423
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.7 37.1#

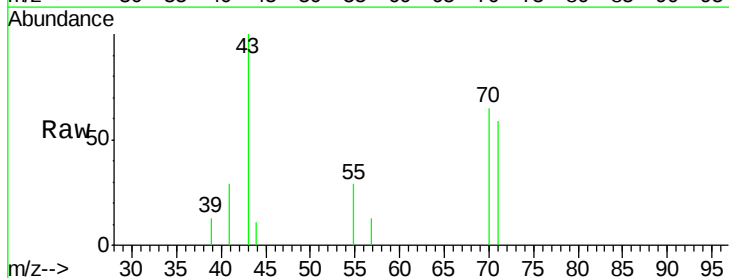


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

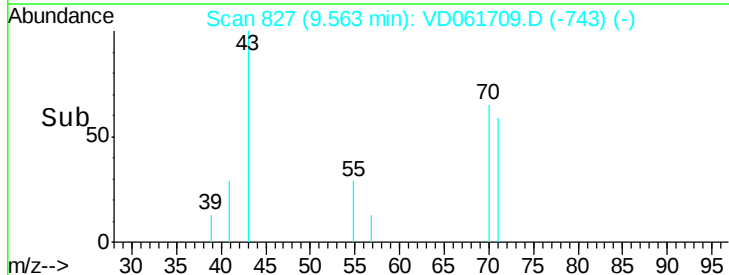
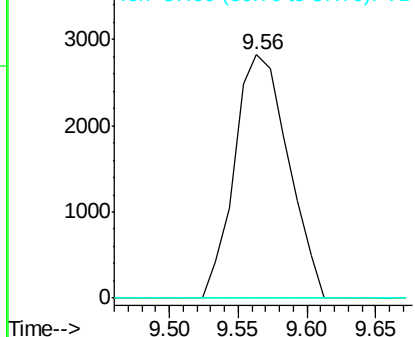


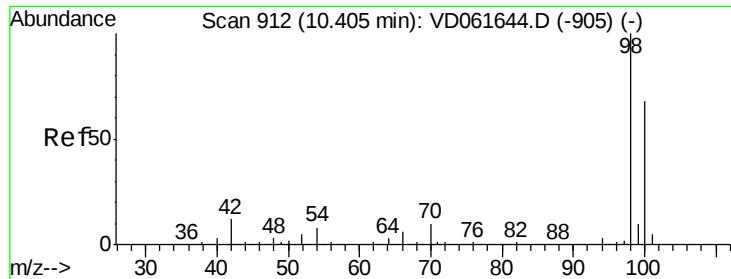
#43
Isopropyl Acetate
Concen: 1.358 ug/l
RT: 9.56 min Scan# 827
Delta R.T. 0.33 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Tgt Ion: 43 Resp: 7651
Ion Ratio Lower Upper
43 100
61 0.0 25.9 38.9#
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

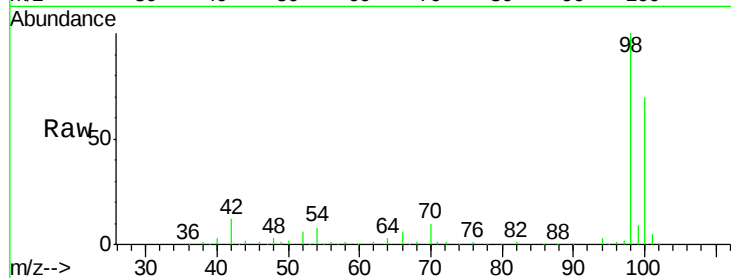




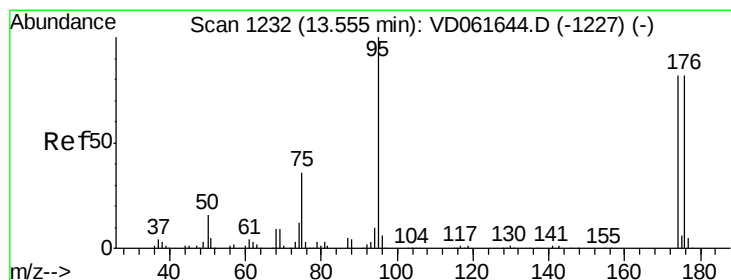
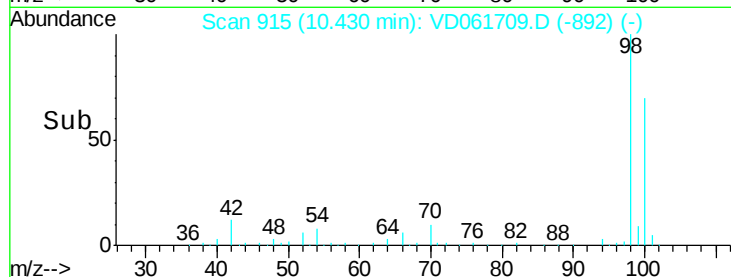
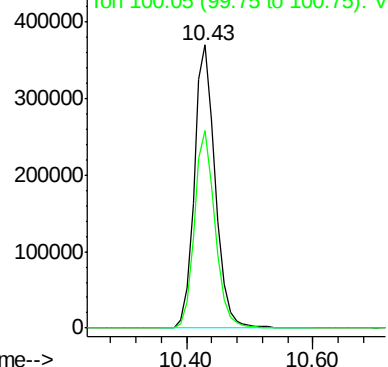
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 853304
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.0

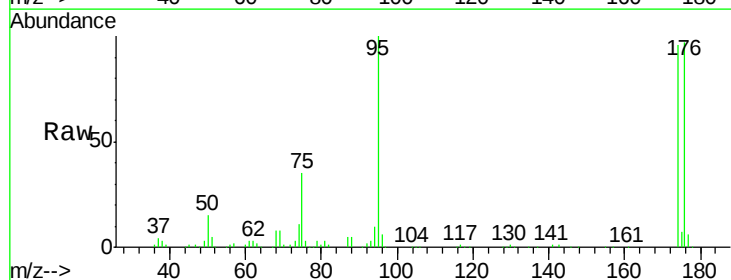


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

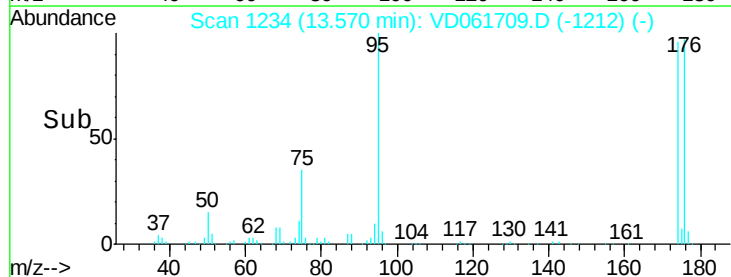
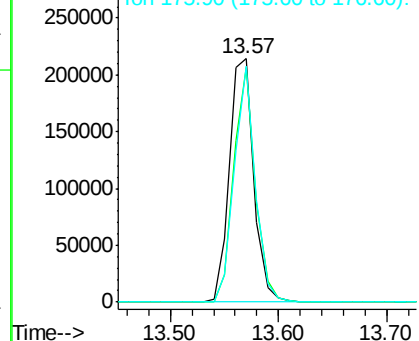


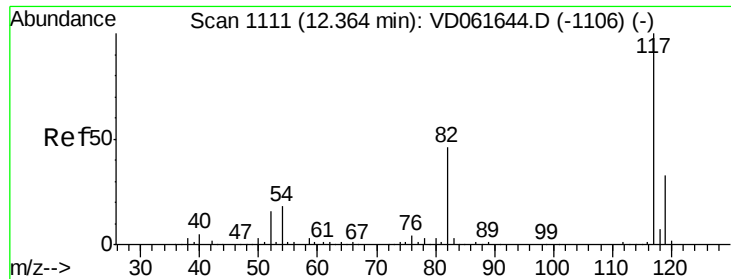
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Tgt Ion: 95 Resp: 335518
Ion Ratio Lower Upper
95 100
174 96.4 0.0 164.6
176 96.7 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

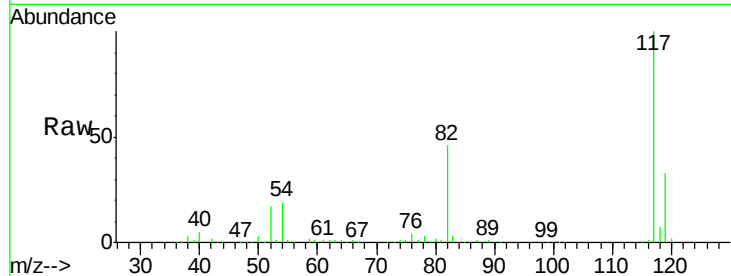




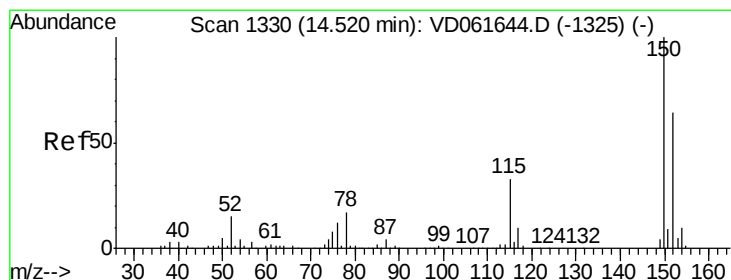
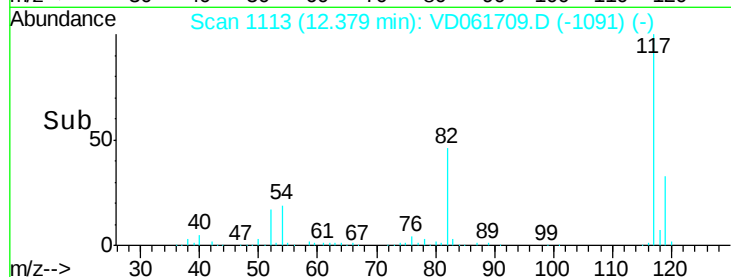
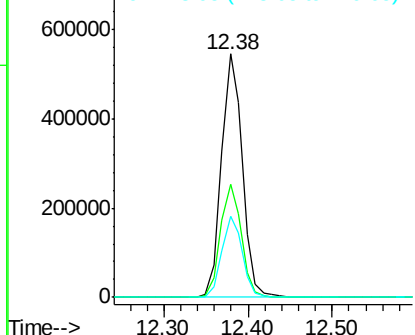
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 936483
Ion Ratio Lower Upper
117 100
82 46.4 36.8 55.2
119 33.3 26.1 39.1

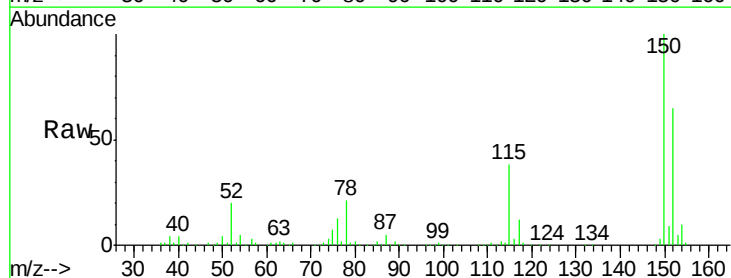


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

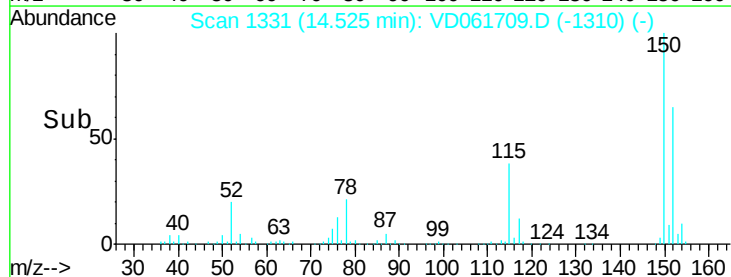
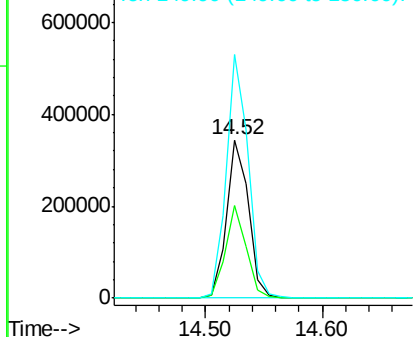


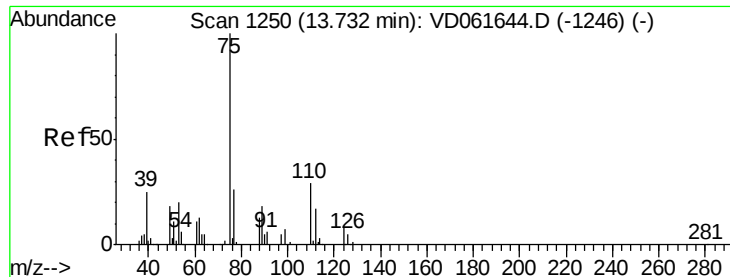
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061709.D
Acq: 10 Apr 2019 13:15

Tgt Ion:152 Resp: 447359
Ion Ratio Lower Upper
152 100
115 58.7 26.4 79.2
150 154.1 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





#76

1,2,3-Trichloropropane

Concen: 18.358 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

Instrument :

MSVOA_D

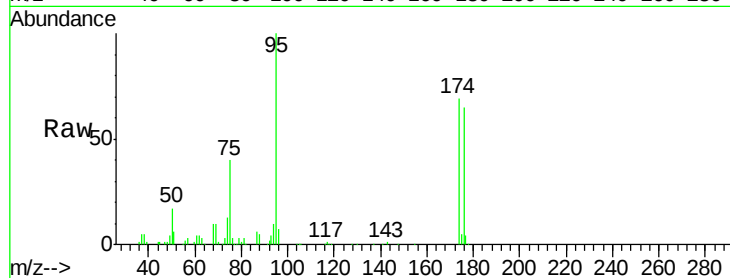
ClientSampleId :

Tot Ion: 75 Resp: 111734

Ion Ratio Lower Upper

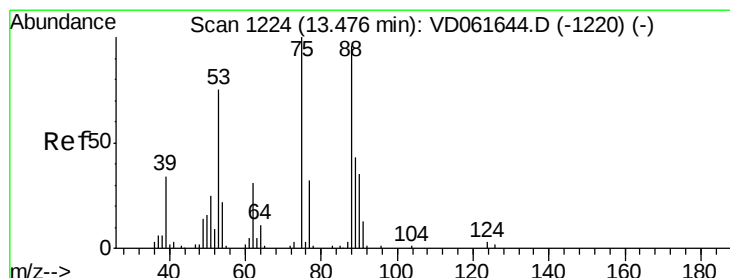
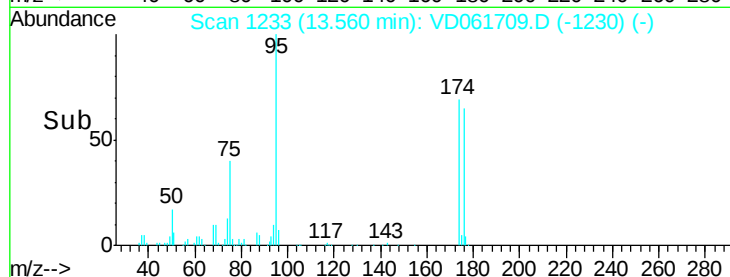
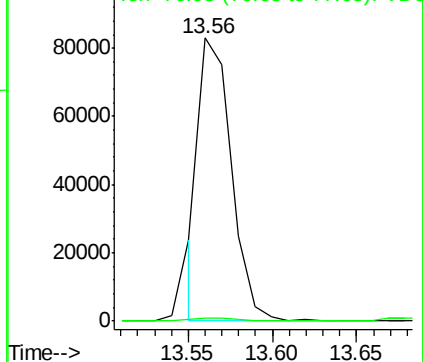
75 100

77 1.1 15.7 47.1#



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: 68.592 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061709.D

Acq: 10 Apr 2019 13:15

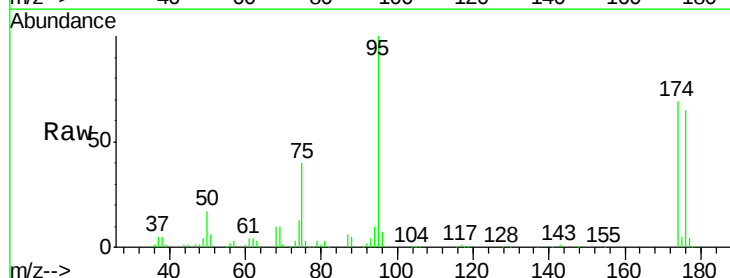
Tgt Ion: 75 Resp: 126683

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

