

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061604.D
 Acq On : 5 Apr 2019 5:14
 Operator : VA/AP
 Sample : K2257-01
 Misc : 5.26g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 06:44:59 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

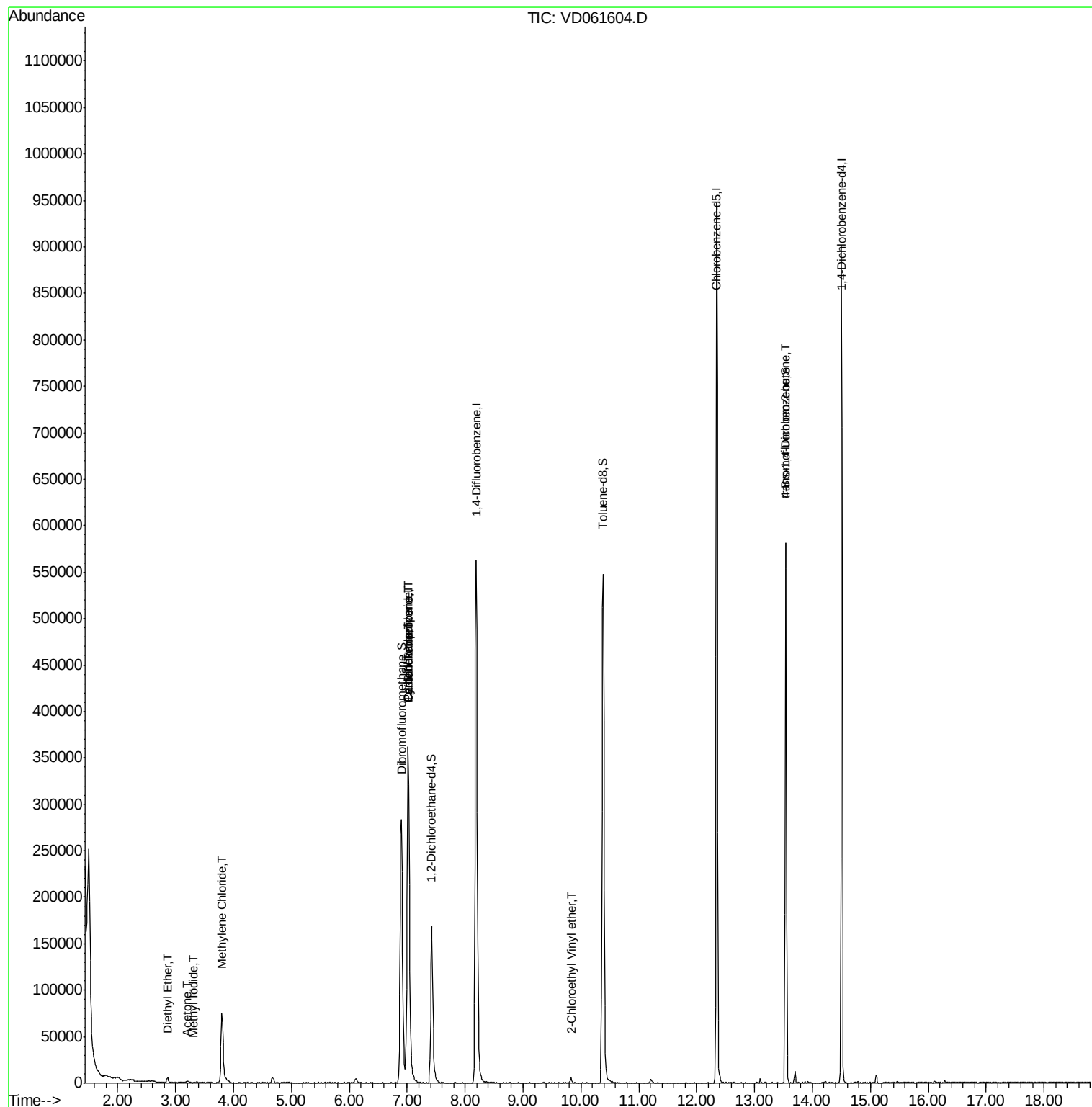
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	394269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	713323	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	576872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	218389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	173273	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	6.90	113	277020	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	10.38	98	509566	38.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.96%	
62) 4-Bromofluorobenzene	13.53	95	206581	41.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.40%	
Target Compounds						
8) Diethyl Ether	2.86	74	1824	1.236	ug/l	85
10) Methyl Iodide	3.31	142	181	3.489	ug/l #	38
16) Acetone	3.21	43	3495	4.037	ug/l #	48
20) Methylene Chloride	3.80	84	58246	10.492	ug/l	97
31) Cyclohexane	7.02	56	6576	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	27465	4.412	ug/l #	44
38) Carbon Tetrachloride	7.02	117	35630	4.980	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.83	63	2776	1.592	ug/l #	79
81) trans-1,4-Dichloro-2-buten	13.53	75	76241	79.264	ug/l #	18

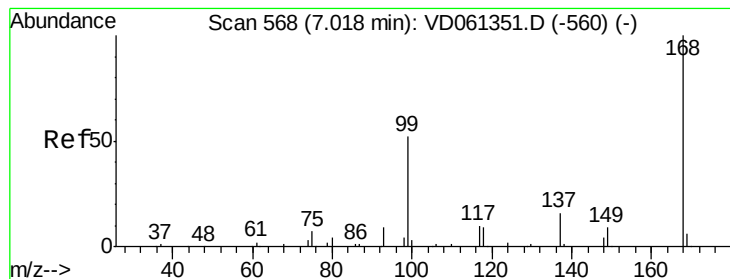
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

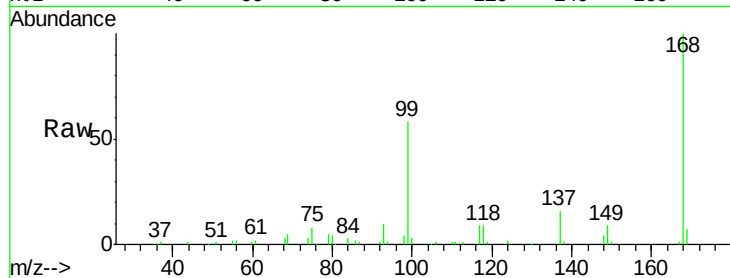
ClientSampleId :

Tot Ion:168 Resp: 394269

Ion Ratio Lower Upper

168 100

99 57.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

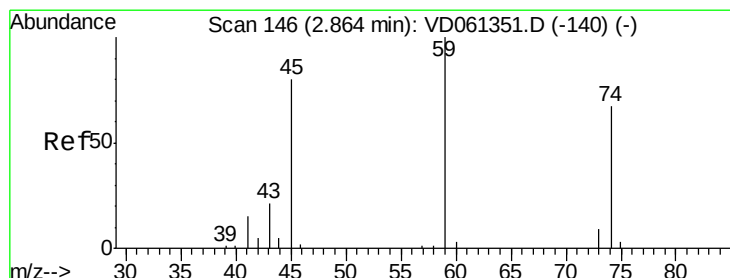
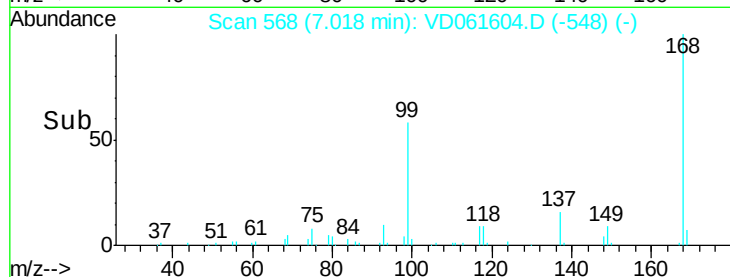
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.236 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD061604.D

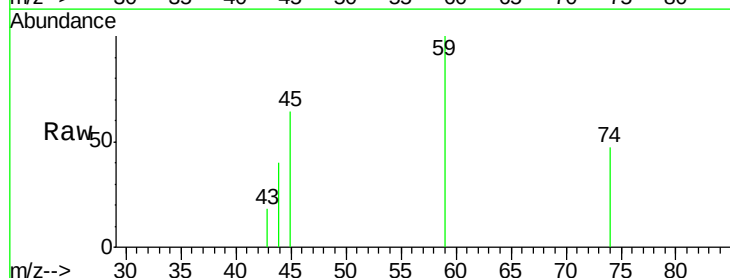
Acq: 5 Apr 2019 5:14

Tgt Ion: 74 Resp: 1824

Ion Ratio Lower Upper

74 100

45 135.9 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

1500

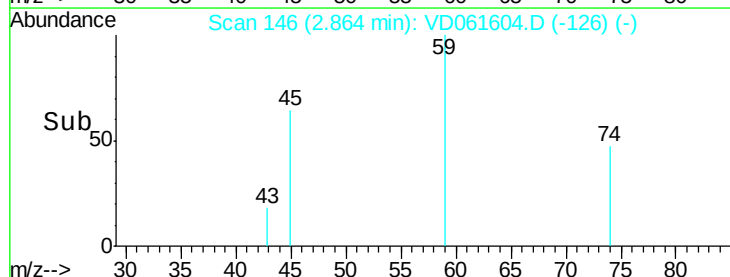
1000

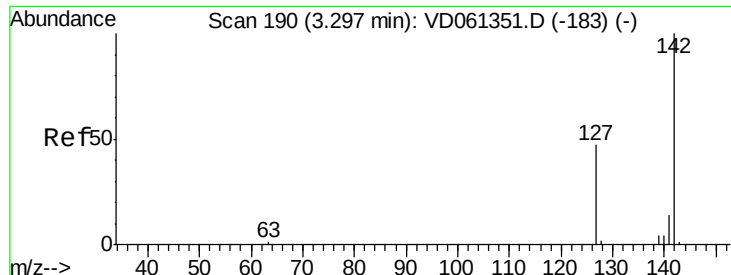
500

0

2.80 2.85 2.90

Time-->

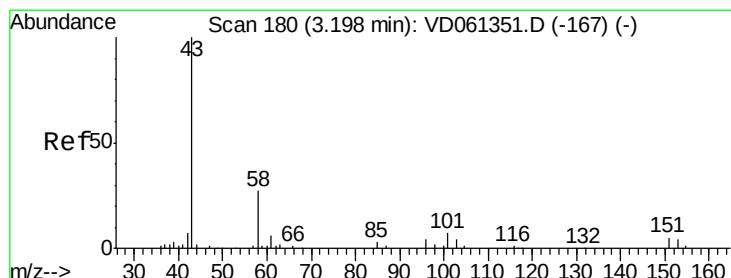
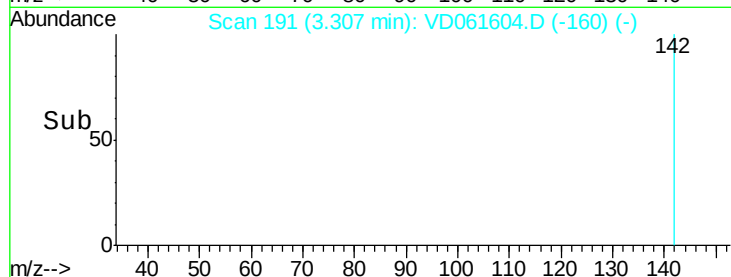
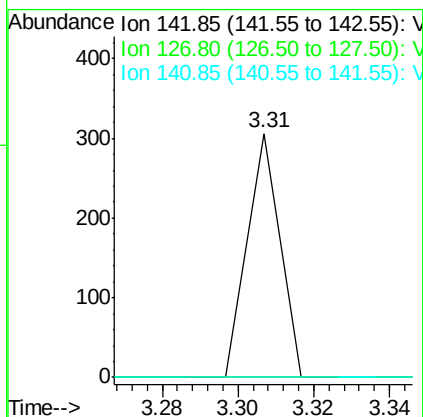
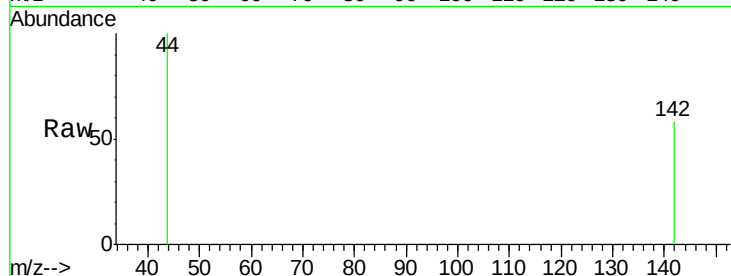




#10
Methyl Iodide
Concen: 3.489 ug/l
RT: 3.31 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

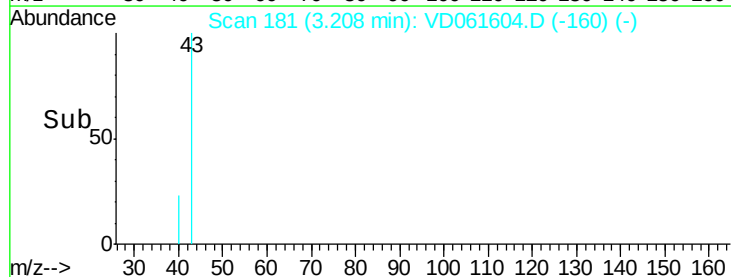
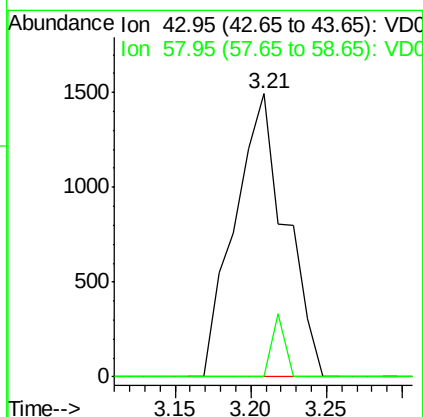
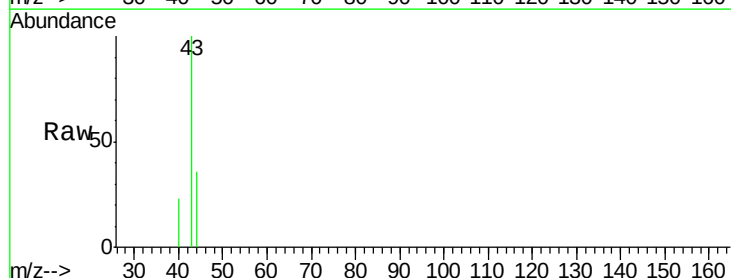
Instrument :
MSVOA_D
ClientSampled :

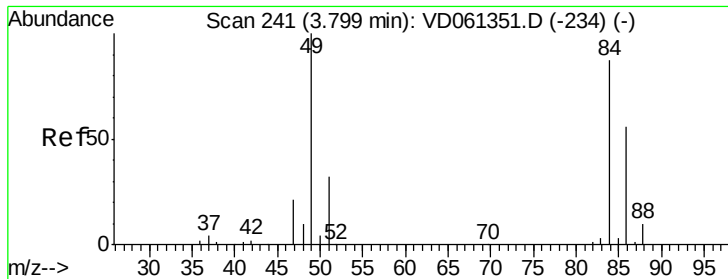
Tot Ion: 142 Resp: 181
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 4.037 ug/l
RT: 3.21 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#

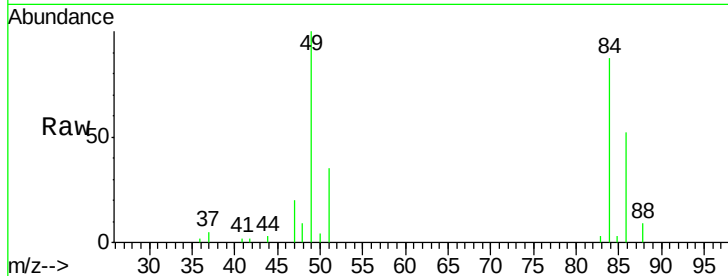




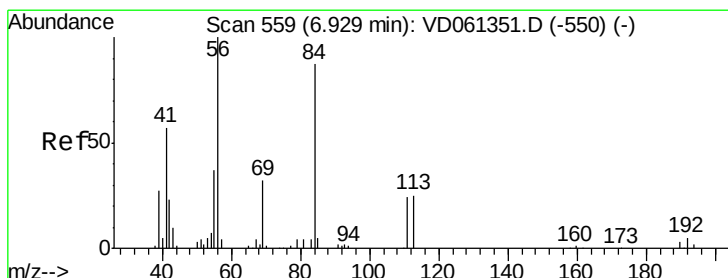
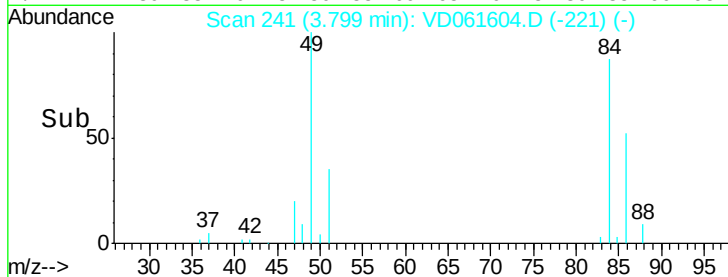
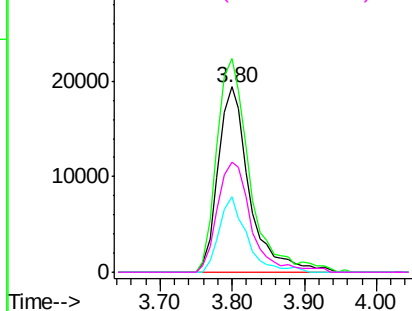
#20
Methylene Chloride
Concen: 10.492 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 58246
Ion Ratio Lower Upper
84 100
49 115.2 91.8 137.8
51 40.6 29.8 44.8
86 59.4 51.8 77.6

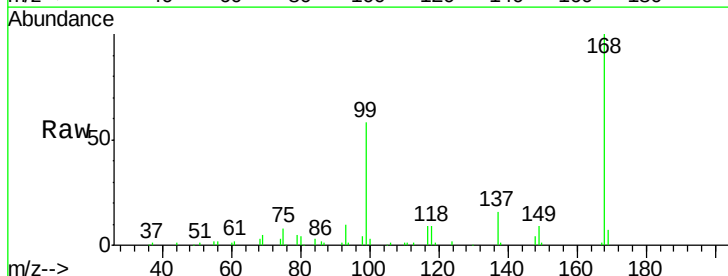


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

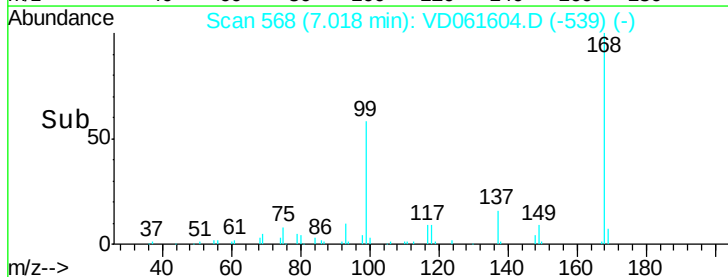
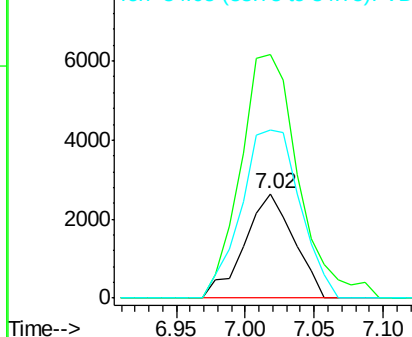


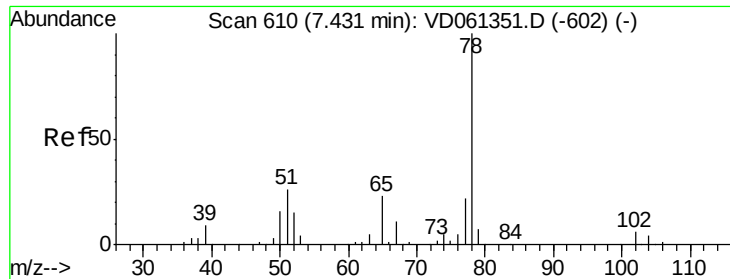
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.09 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Tgt Ion: 56 Resp: 6576
Ion Ratio Lower Upper
56 100
69 233.9 25.7 38.5#
84 161.2 70.6 105.8#



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

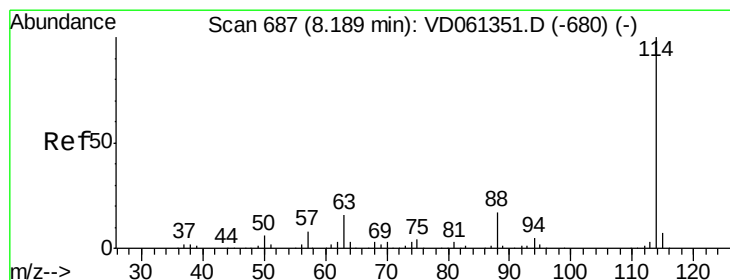
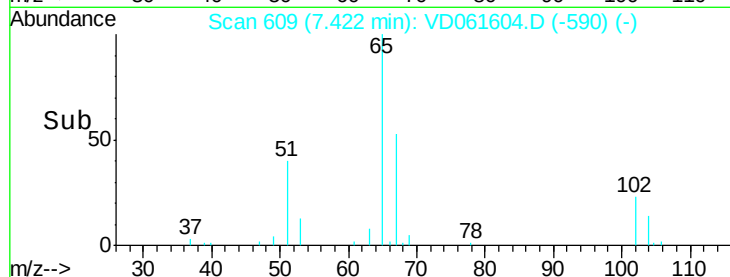
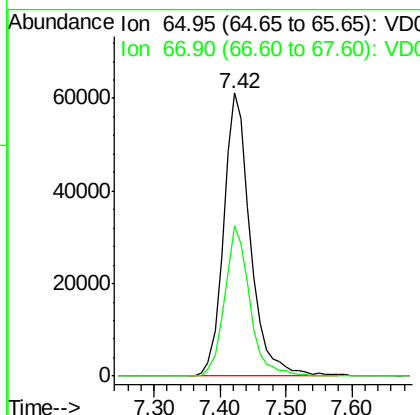
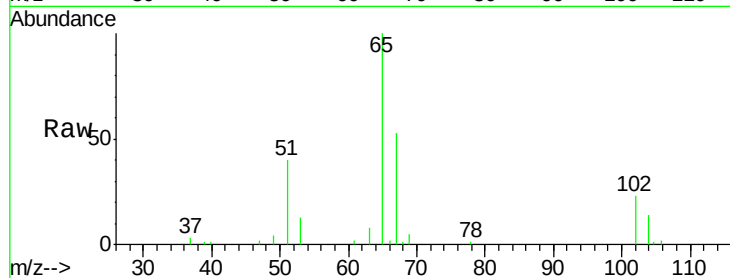




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD061604.D
 Acq: 5 Apr 2019 5:14

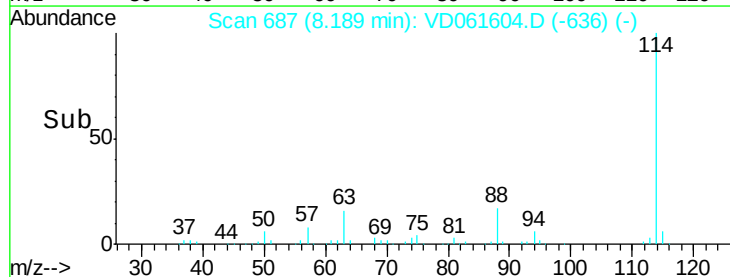
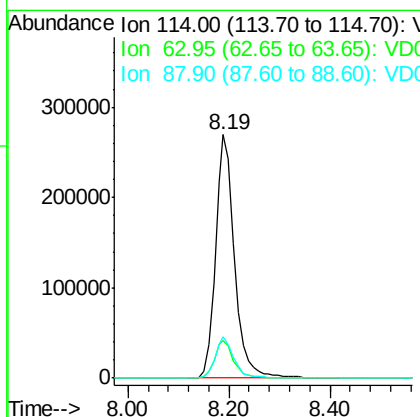
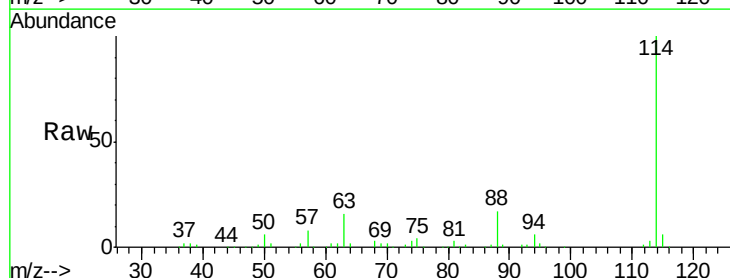
Instrument :
 MSVOA_D
 ClientSampleId :

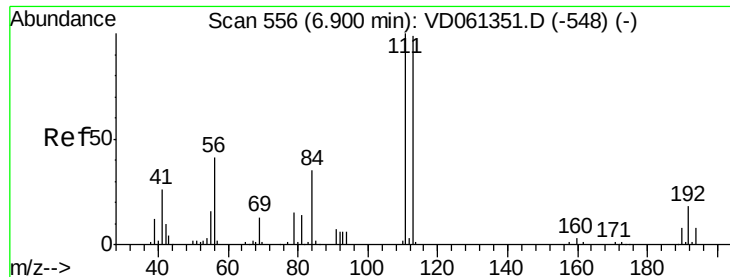
Tot Ion: 65 Resp: 173273
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061604.D
 Acq: 5 Apr 2019 5:14

Tgt Ion:114 Resp: 713323
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.8 0.0 33.4

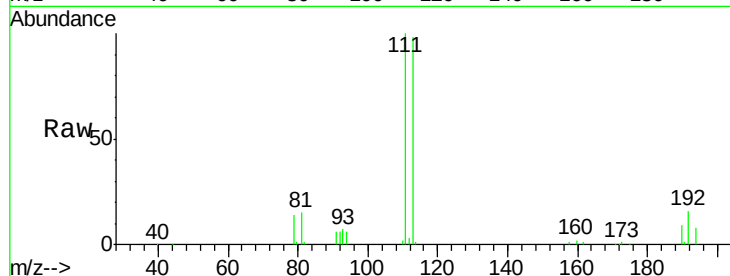




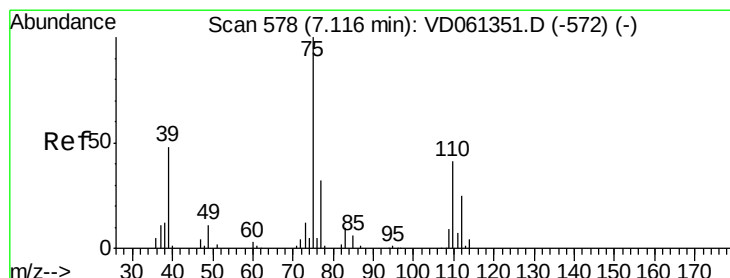
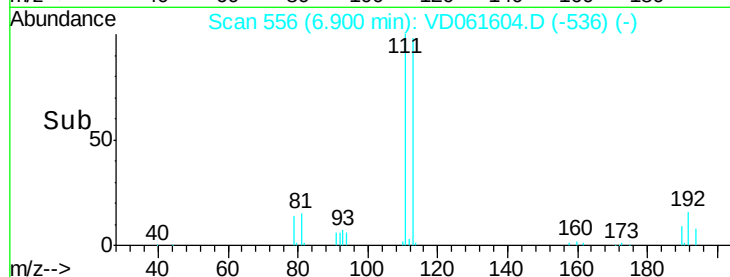
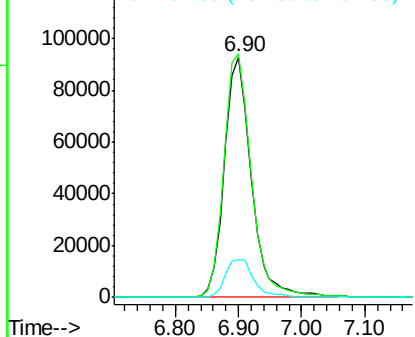
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD061604.D
 Acq: 5 Apr 2019 5:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 277020
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.0 121.6
 192 15.9 14.4 21.6

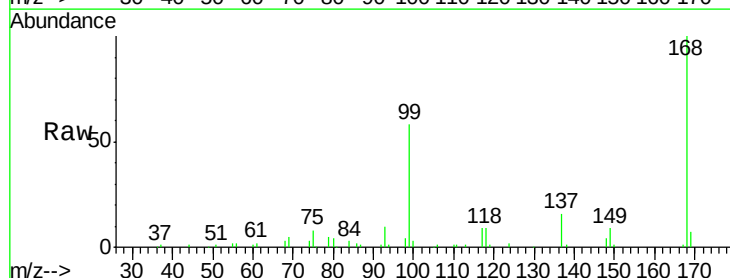


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

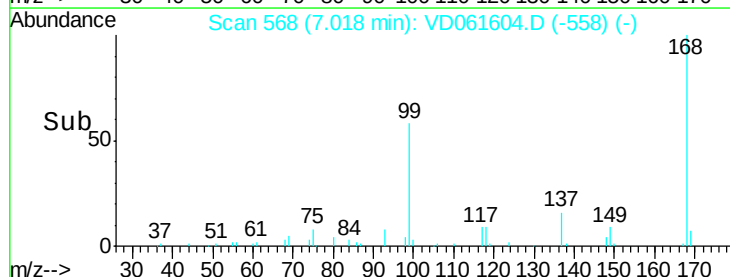
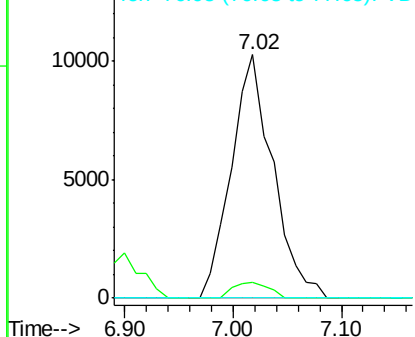


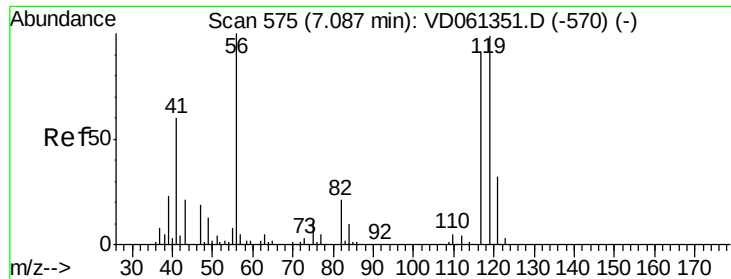
#36
 1,1-Dichloropropene
 Concen: 4.412 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061604.D
 Acq: 5 Apr 2019 5:14

Tgt Ion: 75 Resp: 27465
 Ion Ratio Lower Upper
 75 100
 110 6.4 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: 4.980 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

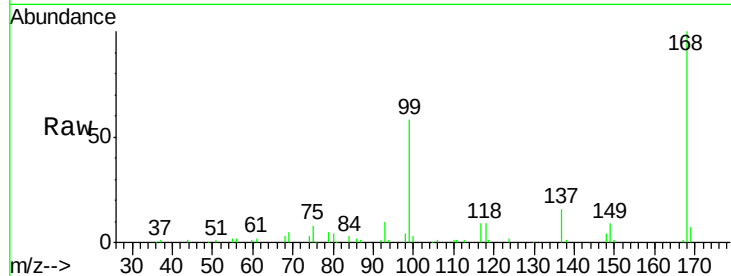
Tot Ion:117 Resp: 35630

Ion Ratio Lower Upper

117 100

119 6.4 80.1 120.1#

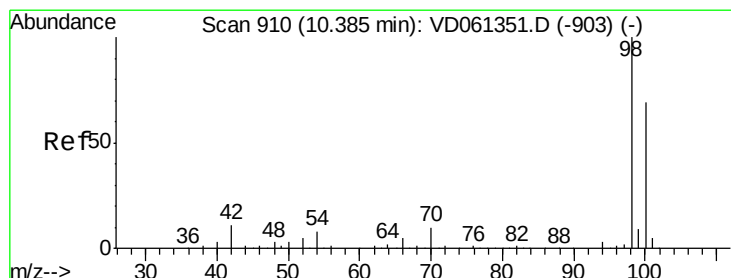
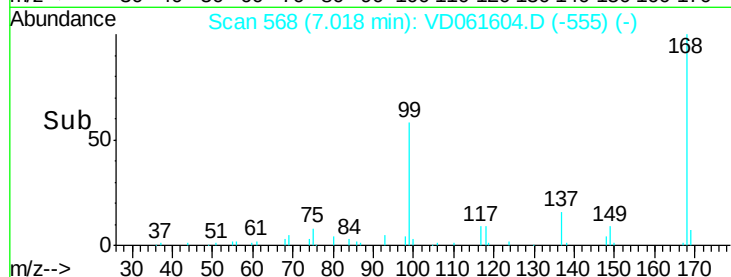
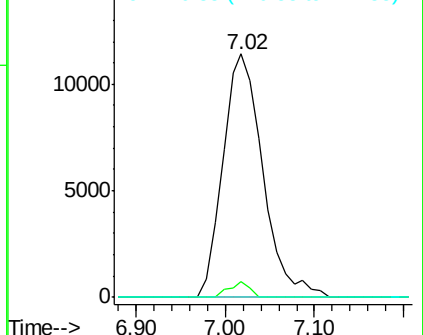
121 0.0 25.6 38.4#



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: 10.38 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD061604.D

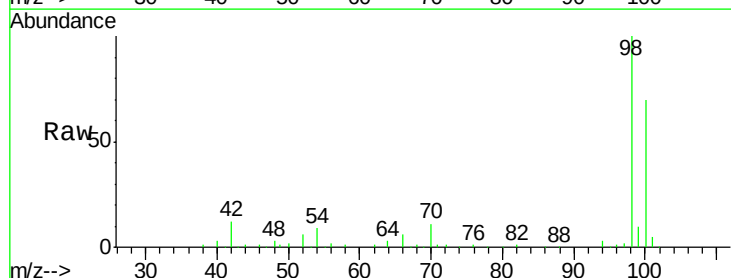
Acq: 5 Apr 2019 5:14

Tgt Ion: 98 Resp: 509566

Ion Ratio Lower Upper

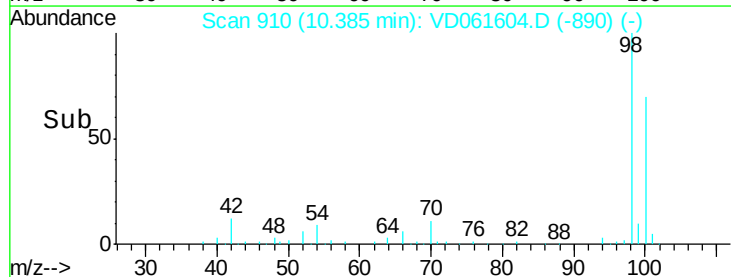
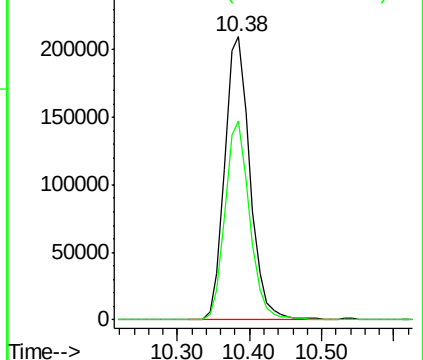
98 100

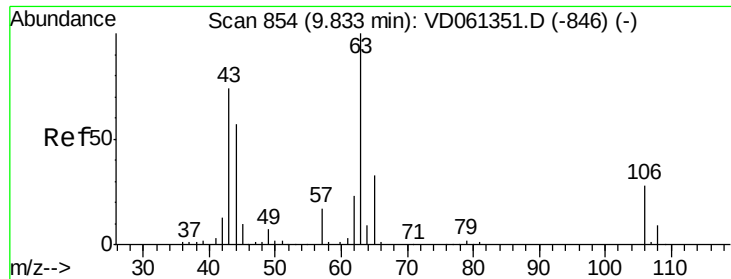
100 70.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#58

2-Chloroethyl Vinyl ether

Concen: 1.592 ug/l

RT: 9.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

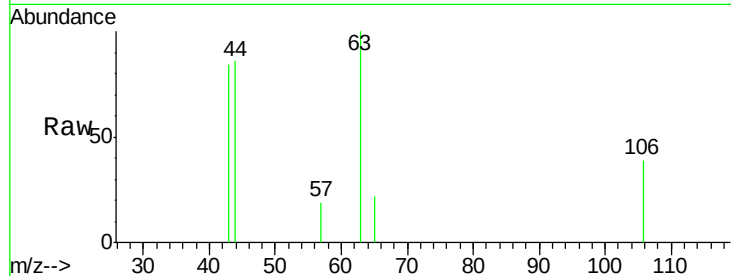
ClientSampleId :

Tot Ion: 63 Resp: 2776

Ion Ratio Lower Upper

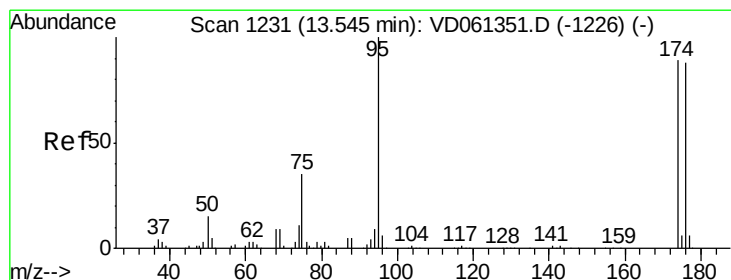
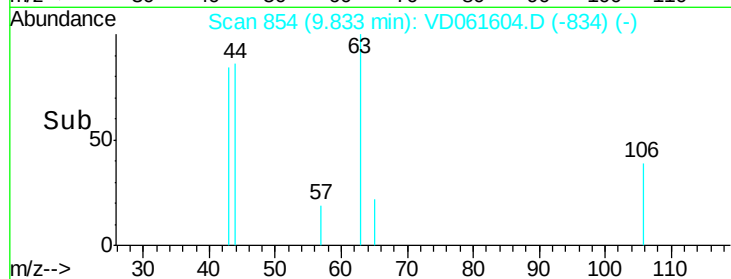
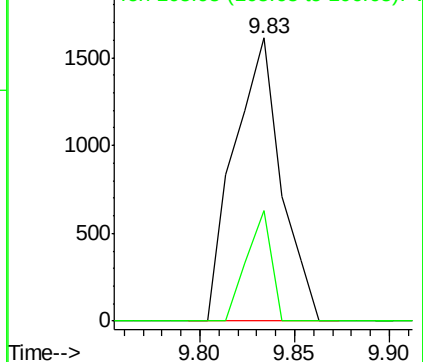
63 100

106 39.3 22.4 33.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.53 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

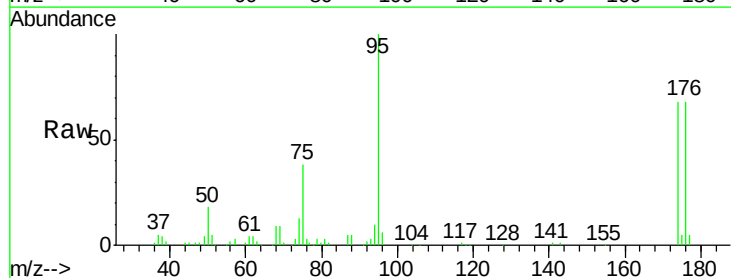
Tgt Ion: 95 Resp: 206581

Ion Ratio Lower Upper

95 100

174 67.9 0.0 178.0

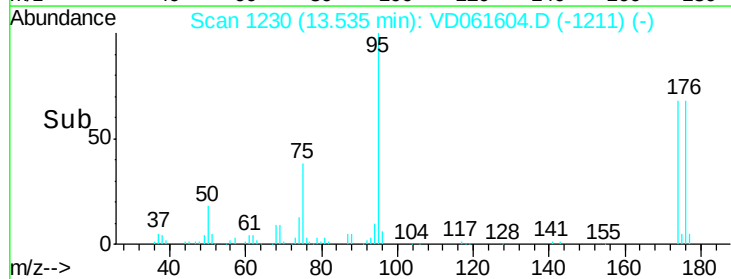
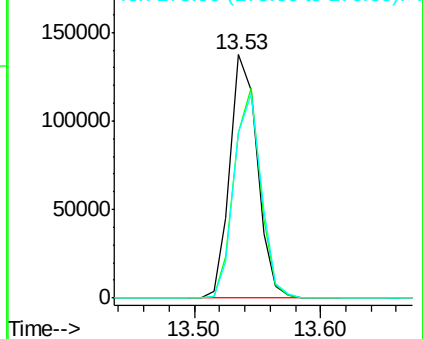
176 68.2 0.0 175.0

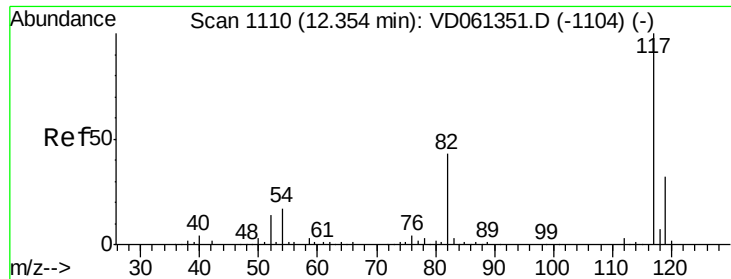


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

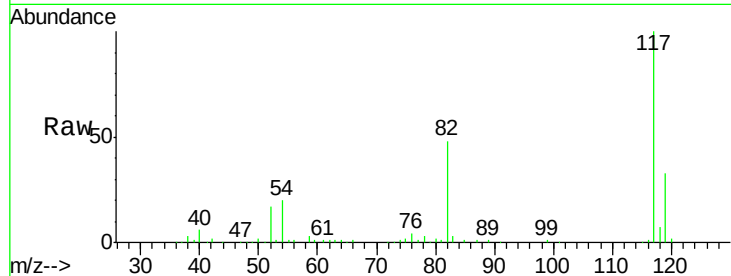




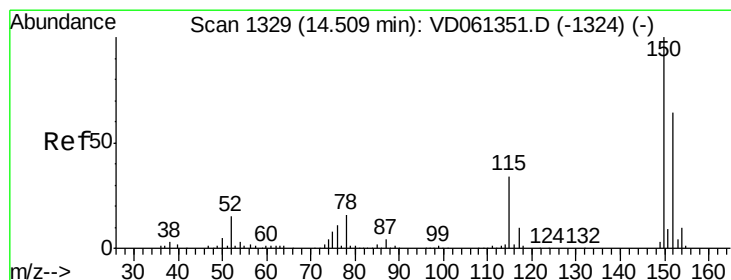
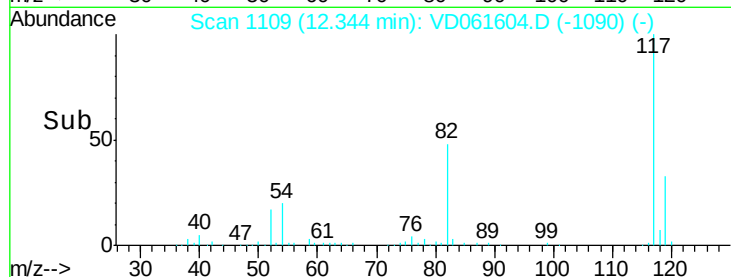
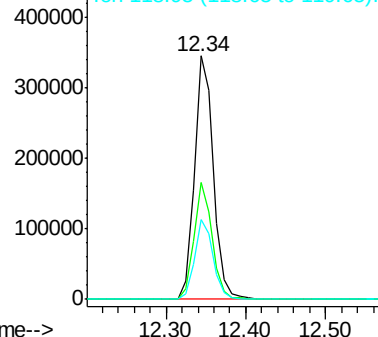
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 576872
Ion Ratio Lower Upper
117 100
82 47.9 34.4 51.6
119 32.7 25.8 38.6

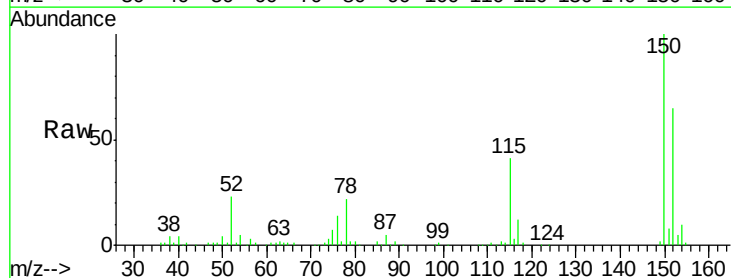


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

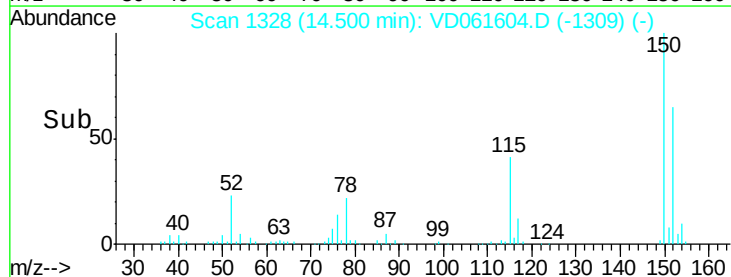
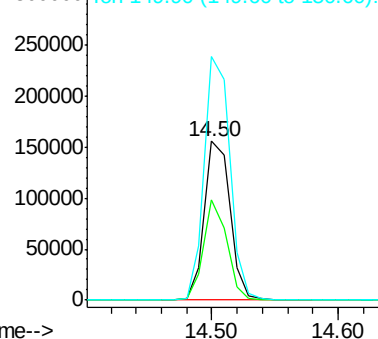


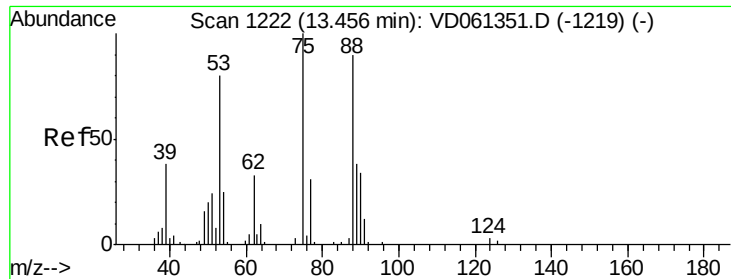
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061604.D
Acq: 5 Apr 2019 5:14

Tgt Ion:152 Resp: 218389
Ion Ratio Lower Upper
152 100
115 62.8 26.9 80.6
150 153.3 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: 79.264 ug/l

RT: 13.53 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061604.D

Acq: 5 Apr 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

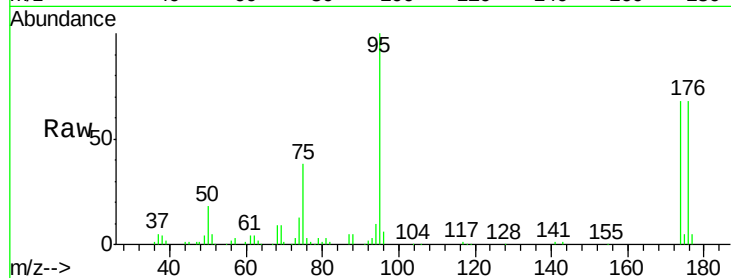
Tot Ion: 75 Resp: 76241

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

