

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061544.D
 Acq On : 3 Apr 2019 7:47
 Operator : VA/AP
 Sample : K1695-08
 Misc : 5.63g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 08:39:38 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

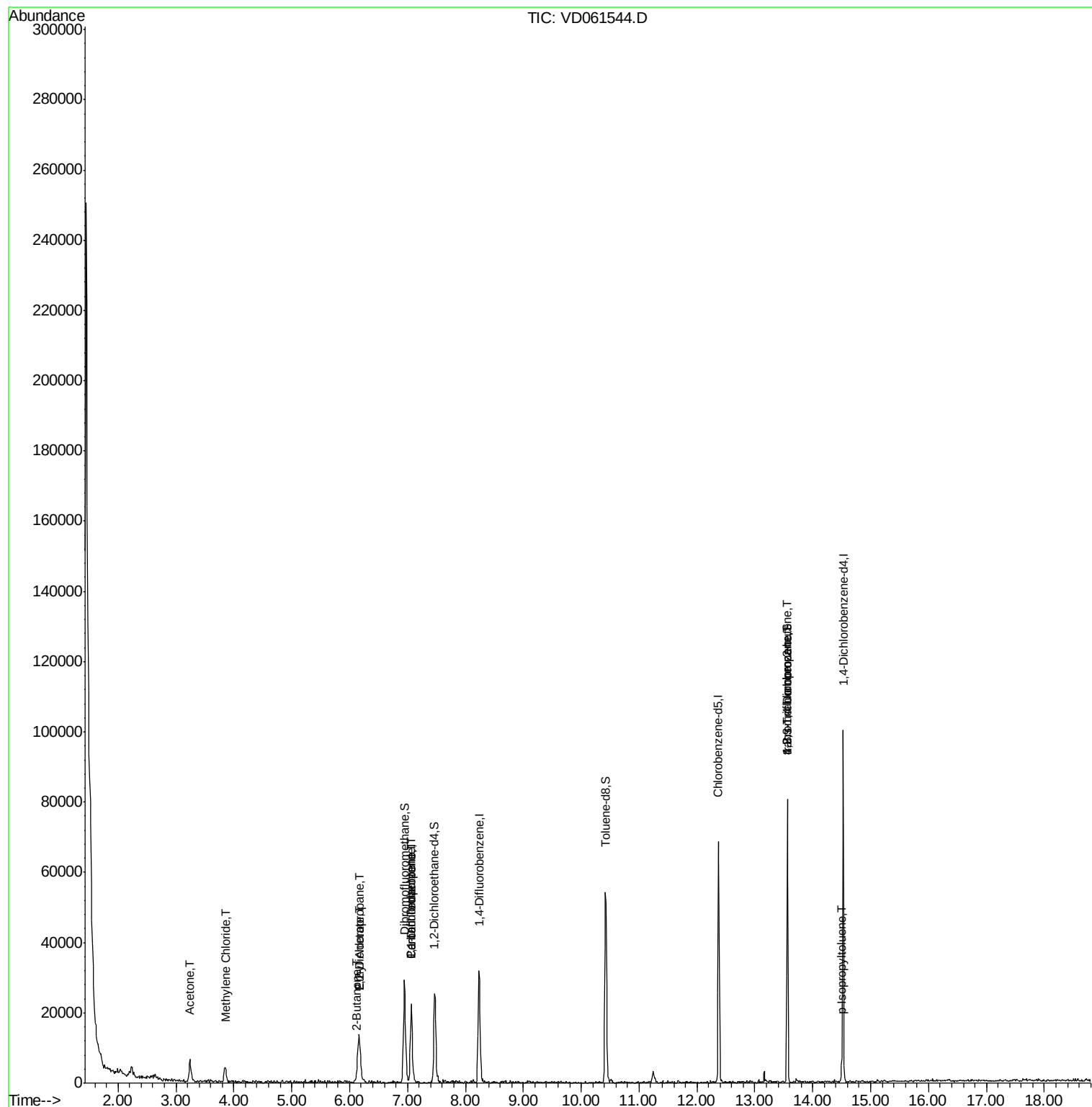
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	24135	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	47482	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	47149	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	23799	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	26709	129.55	ug/l	0.04
Spiked Amount 50.000			Recovery	=	259.10%	
35) Dibromofluoromethane	6.94	113	28002	77.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	154.34%	
50) Toluene-d8	10.42	98	51864	59.59	ug/l	0.03
Spiked Amount 50.000			Recovery	=	119.18%	
62) 4-Bromofluorobenzene	13.56	95	27119	81.26	ug/l	0.01
Spiked Amount 50.000			Recovery	=	162.52%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	12692	239.474	ug/l #	86
20) Methylene Chloride	3.85	84	3340	9.702	ug/l	89
25) 2-Butanone	6.11	43	1640	24.599	ug/l #	54
26) 2,2-Dichloropropane	6.17	77	412	1.153	ug/l #	50
36) 1,1-Dichloropropene	7.06	75	1380	3.330	ug/l #	38
37) Ethyl Acetate	6.17	43	437	2.466	ug/l #	65
38) Carbon Tetrachloride	7.07	117	2054	4.313	ug/l #	10
76) 1,2,3-Trichloropropane	13.56	75	8644	25.144	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	8958	85.461	ug/l #	18
86) p-Isopropyltoluene	14.49	119	2897	2.008	ug/l	97

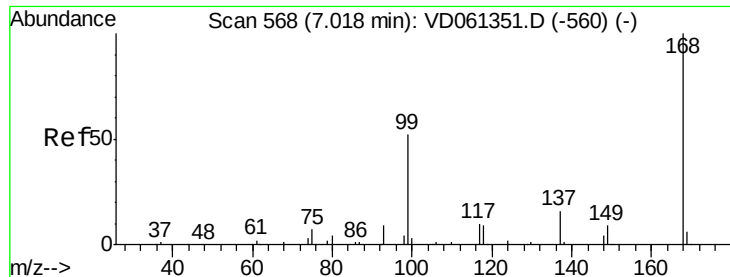
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061544.D

Acq: 3 Apr 2019 7:47

Instrument :

MSVOA_D

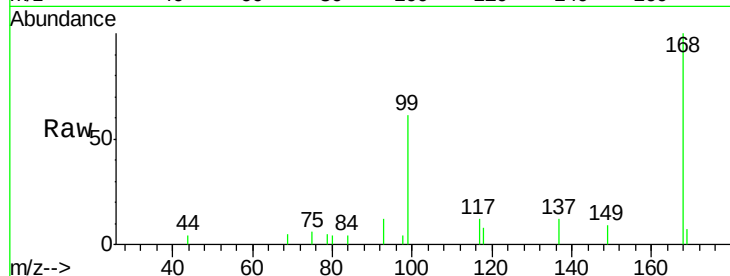
ClientSampleId :

Tot Ion:168 Resp: 24135

Ion Ratio Lower Upper

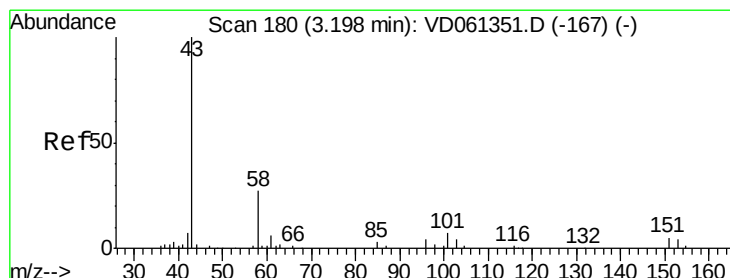
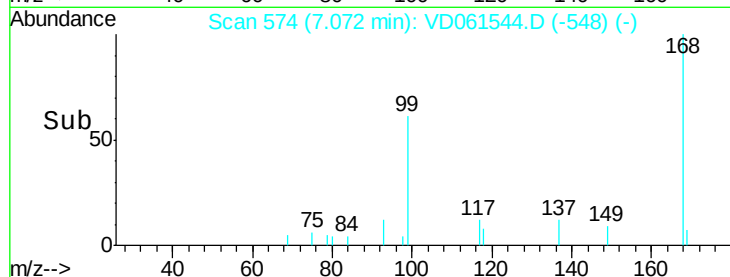
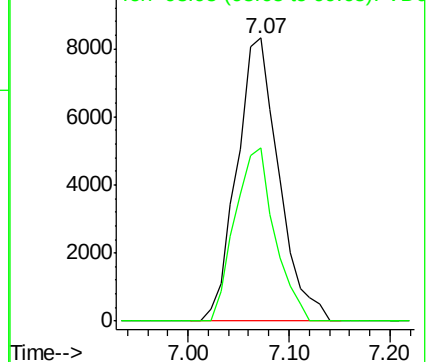
168 100

99 61.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 239.474 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061544.D

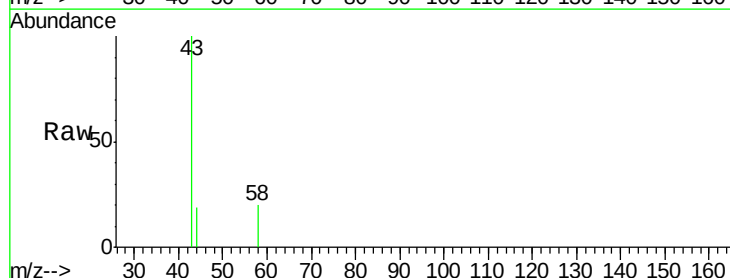
Acq: 3 Apr 2019 7:47

Tgt Ion: 43 Resp: 12692

Ion Ratio Lower Upper

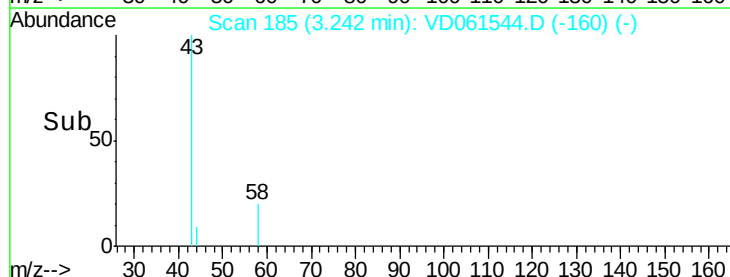
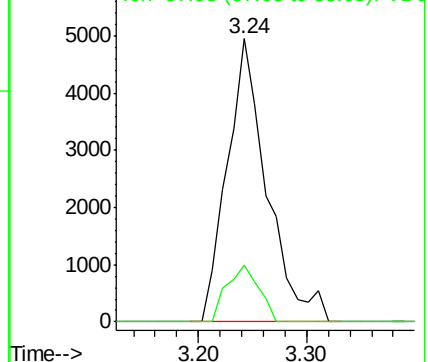
43 100

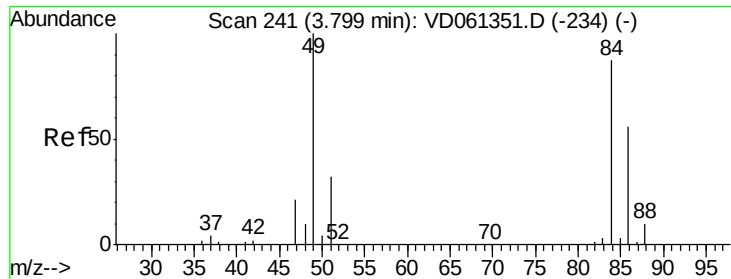
58 19.9 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

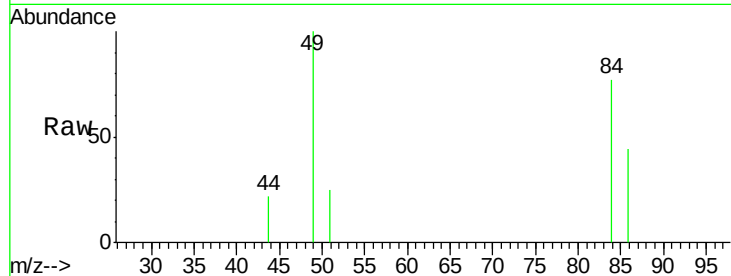




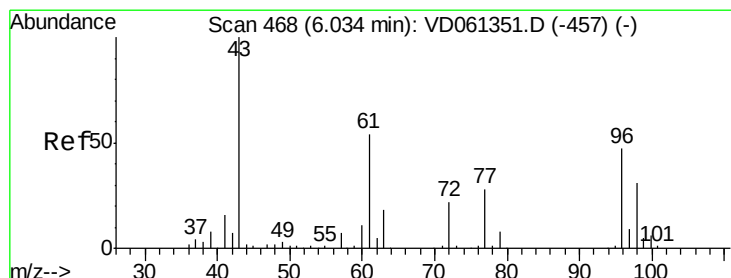
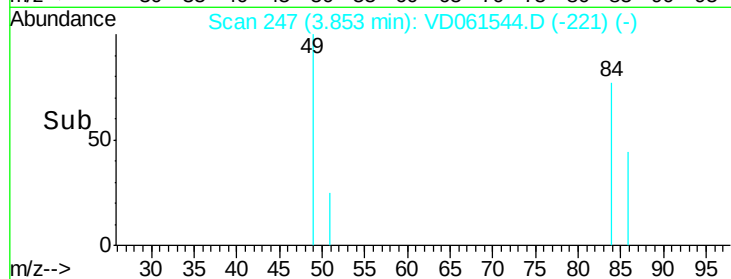
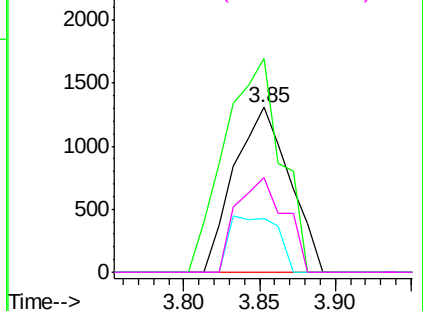
#20
Methylene Chloride
Concen: 9.702 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.05 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 3340
Ion Ratio Lower Upper
84 100
49 129.7 91.8 137.8
51 32.9 29.8 44.8
86 57.2 51.8 77.6

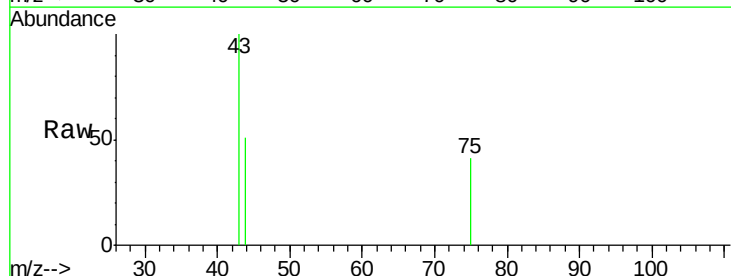


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

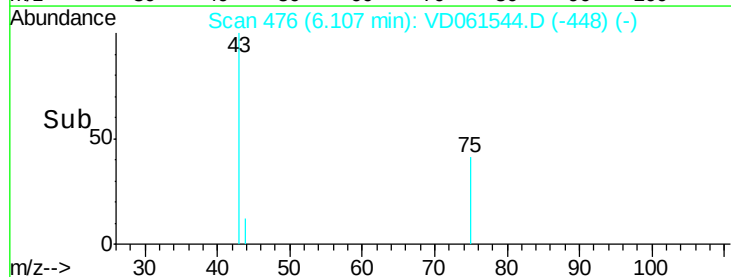
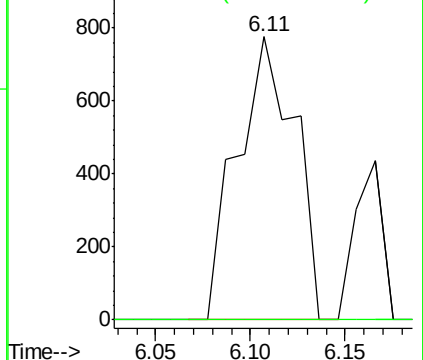


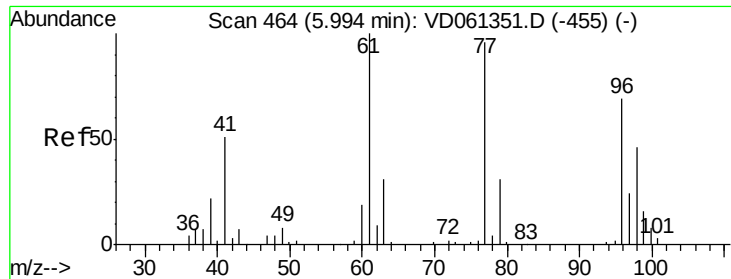
#25
2-Butanone
Concen: 24.599 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.07 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Tgt Ion: 43 Resp: 1640
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

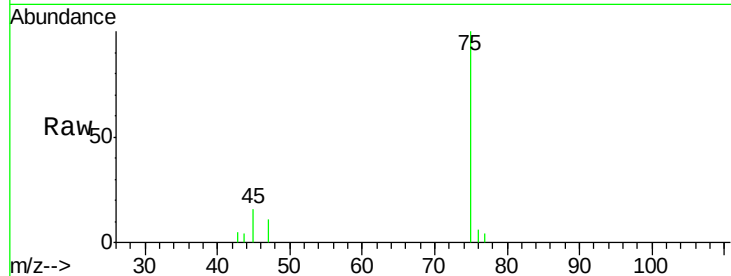




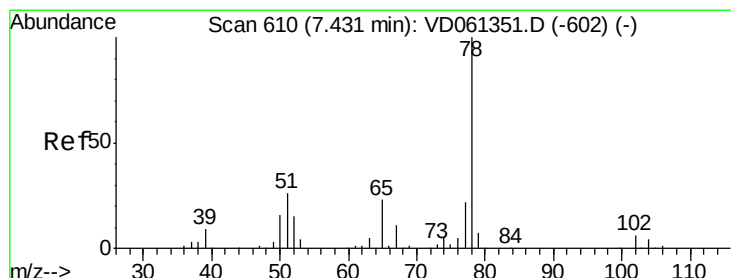
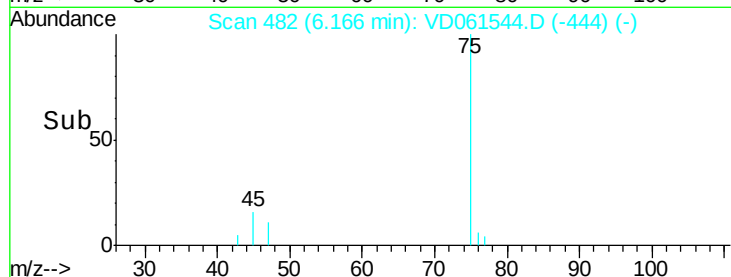
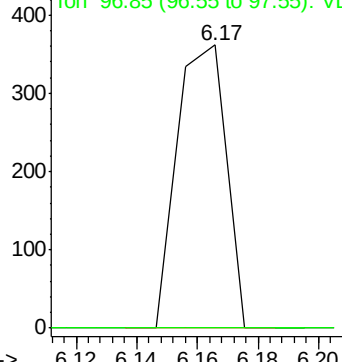
#26
 2,2-Dichloropropane
 Concen: 1.153 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. 0.17 min
 Lab File: VD061544.D
 Acq: 3 Apr 2019 7:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 77 Resp: 412
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.7 38.0#

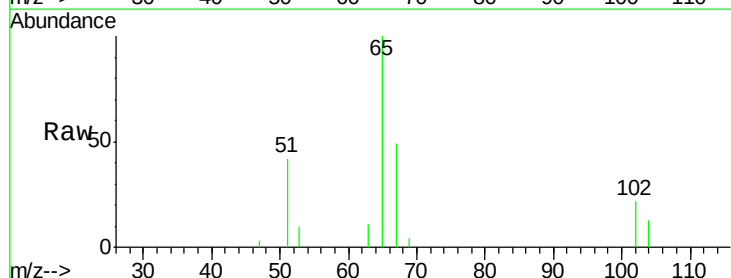


Abundance Ion 76.95 (76.65 to 77.65): VDC
 Ion 96.85 (96.55 to 97.55): VDC

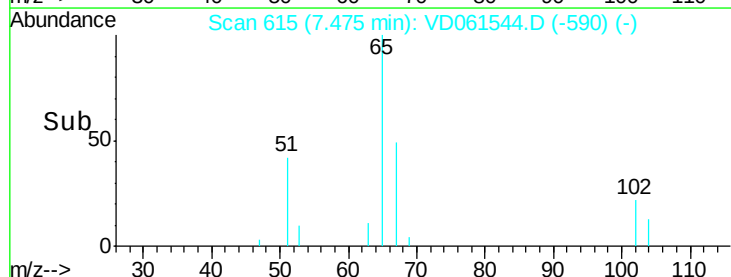
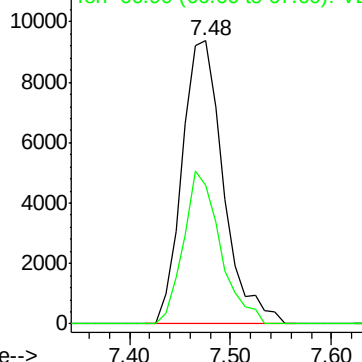


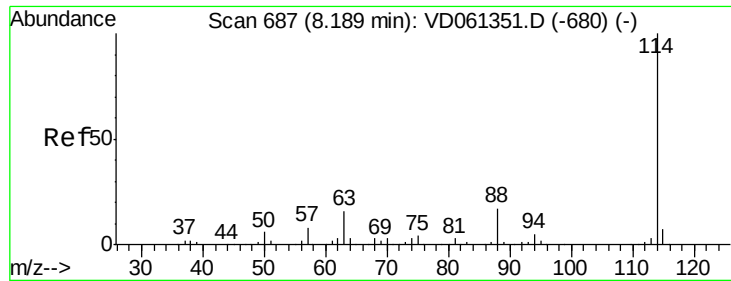
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.04 min
 Lab File: VD061544.D
 Acq: 3 Apr 2019 7:47

Tgt Ion: 65 Resp: 26709
 Ion Ratio Lower Upper
 65 100
 67 48.9 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: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061544.D

Acq: 3 Apr 2019 7:47

Instrument :
MSVOA_D
ClientSampleId :

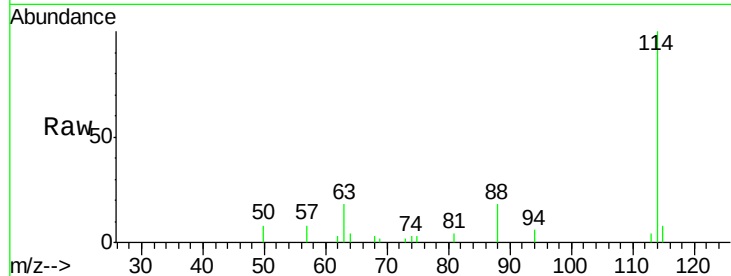
Tot Ion:114 Resp: 47482

Ion Ratio Lower Upper

114 100

63 18.0 0.0 31.6

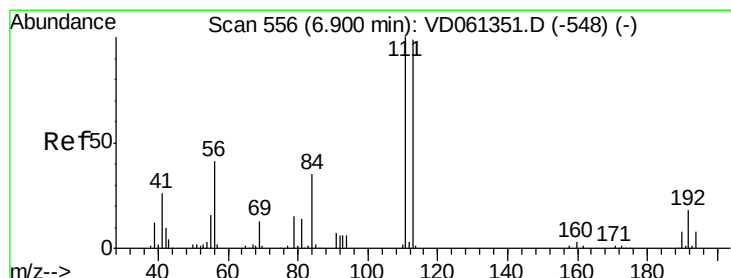
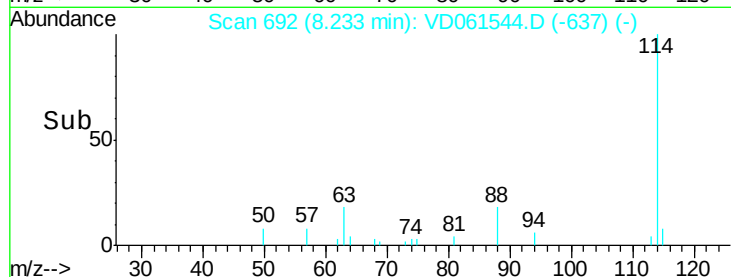
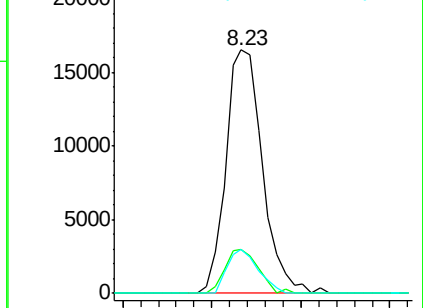
88 18.3 0.0 33.4



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: 6.94 min Scan# 561

Delta R.T. 0.04 min

Lab File: VD061544.D

Acq: 3 Apr 2019 7:47

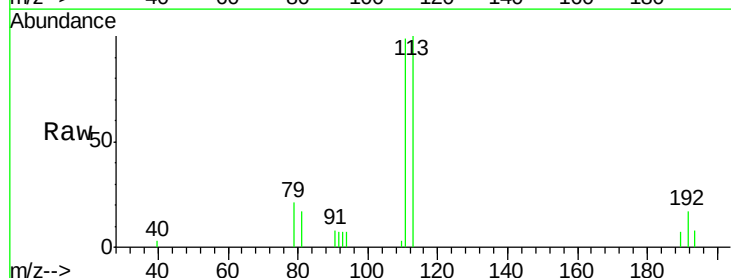
Tgt Ion:113 Resp: 28002

Ion Ratio Lower Upper

113 100

111 99.1 81.0 121.6

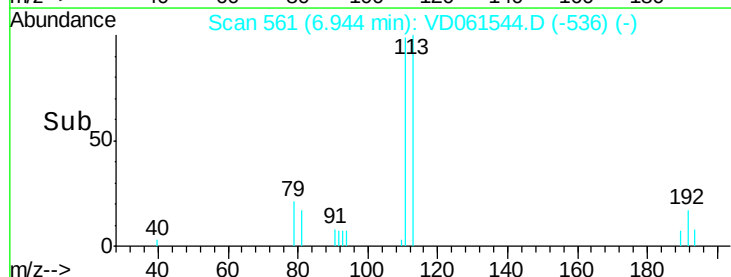
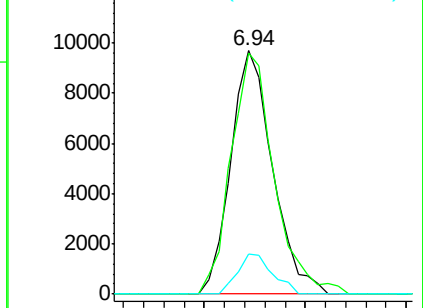
192 16.7 14.4 21.6

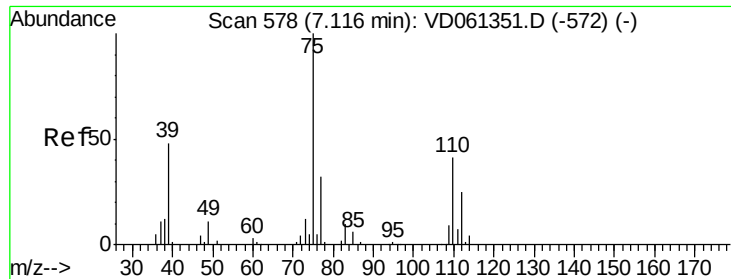


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

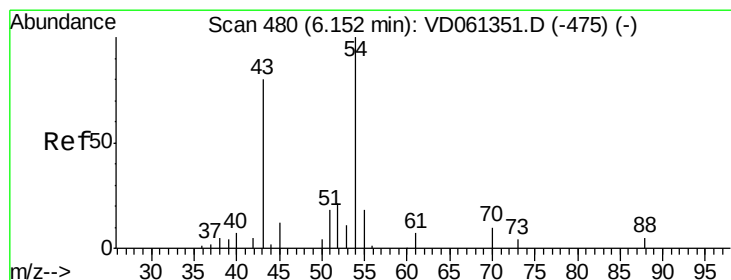
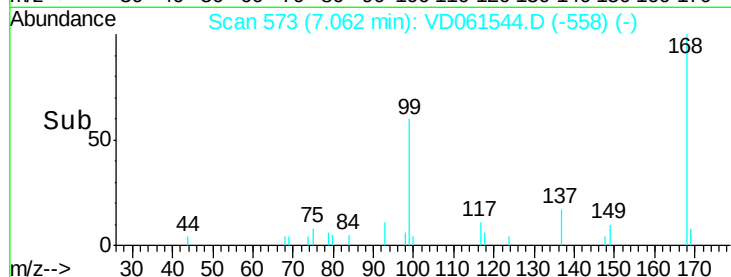
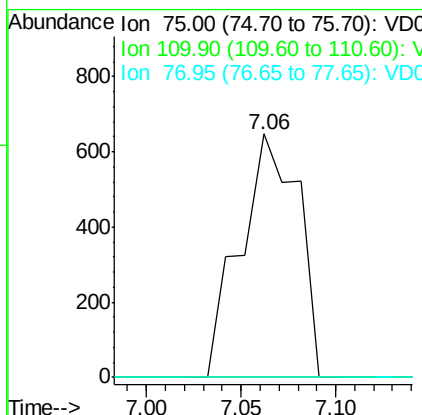
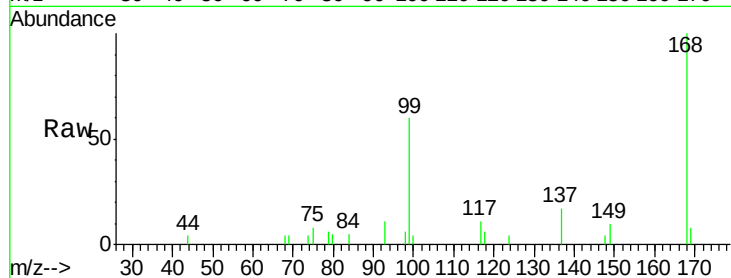




#36
 1,1-Dichloropropene
 Concen: 3.330 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061544.D
 Acq: 3 Apr 2019 7:47

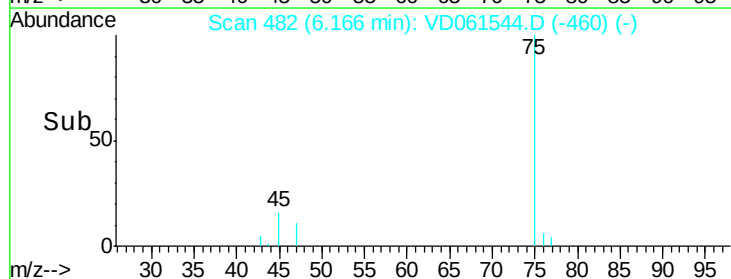
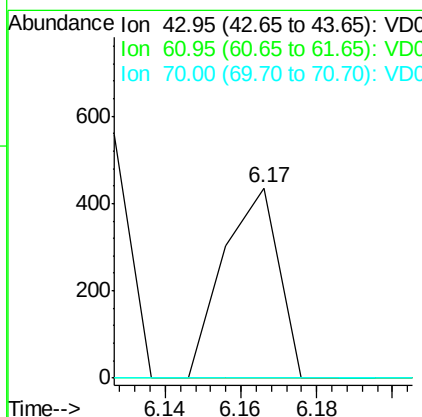
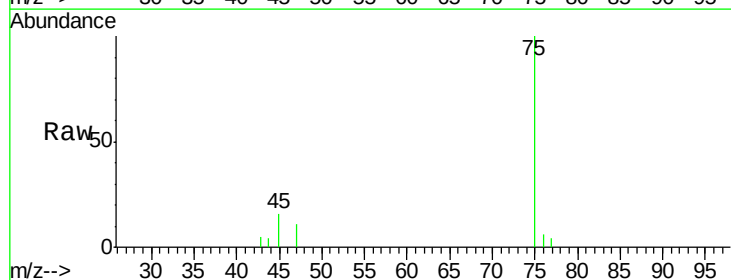
Instrument :
 MSVOA_D
 ClientSampled :

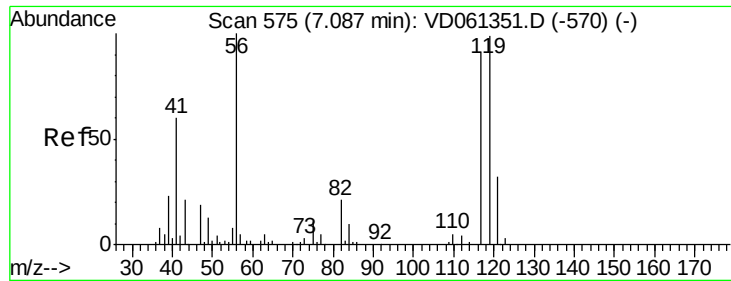
Tot Ion: 75 Resp: 1380
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.4 61.3#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 2.466 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. 0.01 min
 Lab File: VD061544.D
 Acq: 3 Apr 2019 7:47

Tgt Ion: 43 Resp: 437
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.8 20.8#
 70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 4.313 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.02 min

Lab File: VD061544.D

Acq: 3 Apr 2019 7:47

Instrument :

MSVOA_D

ClientSampleId :

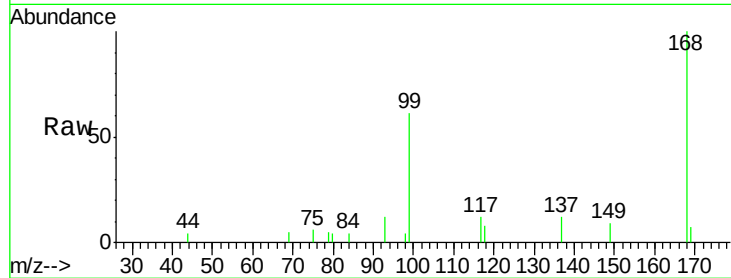
Tot Ion:117 Resp: 2054

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

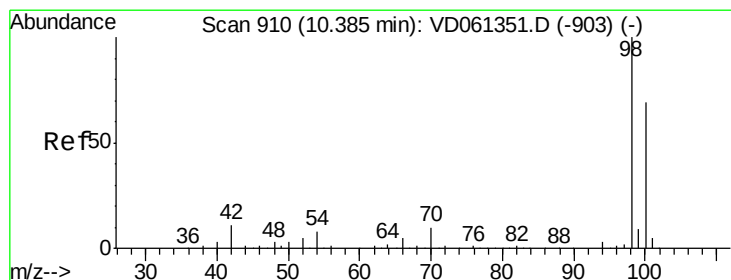
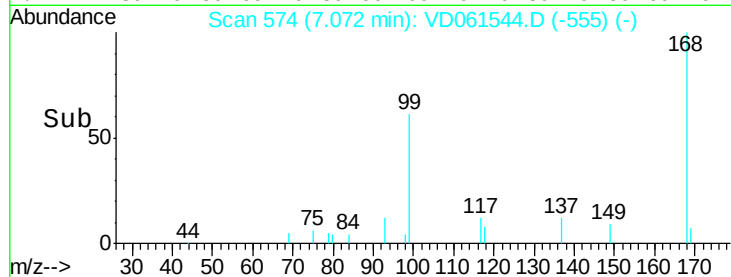
7.07

1000

500

0

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061544.D

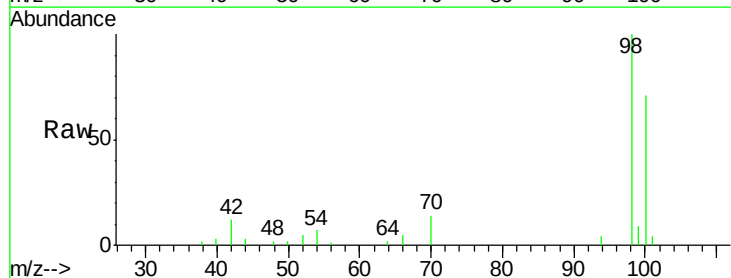
Acq: 3 Apr 2019 7:47

Tgt Ion: 98 Resp: 51864

Ion Ratio Lower Upper

98 100

100 71.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

10.42

25000

20000

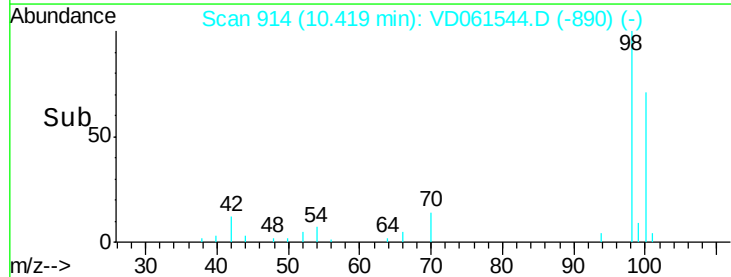
15000

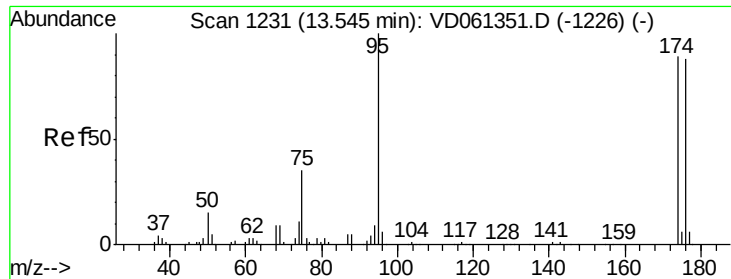
10000

5000

0

Time-->

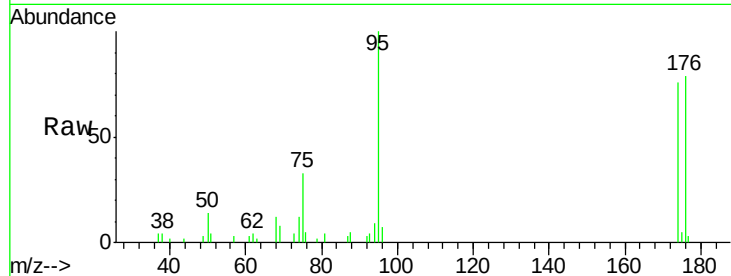




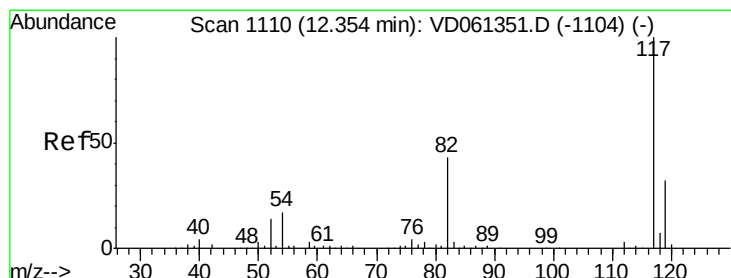
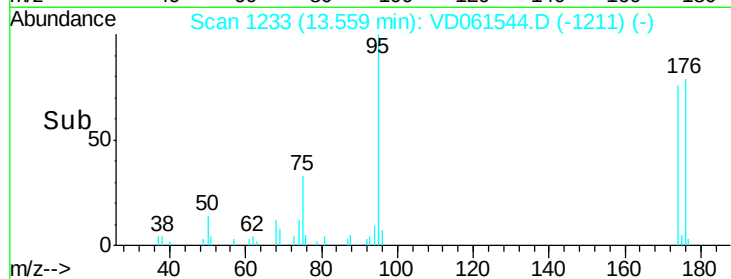
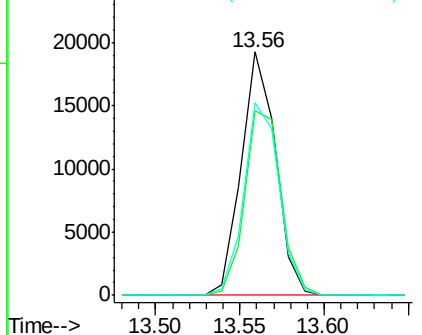
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 27119
Ion Ratio Lower Upper
95 100
174 76.0 0.0 178.0
176 79.2 0.0 175.0

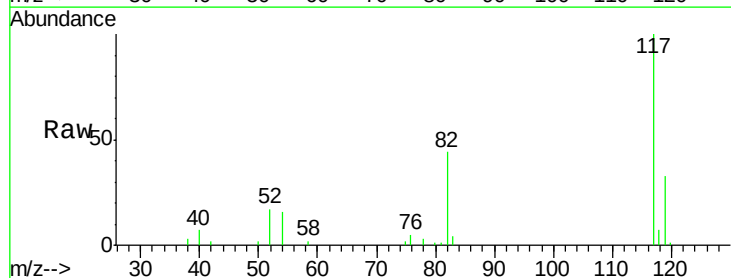


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

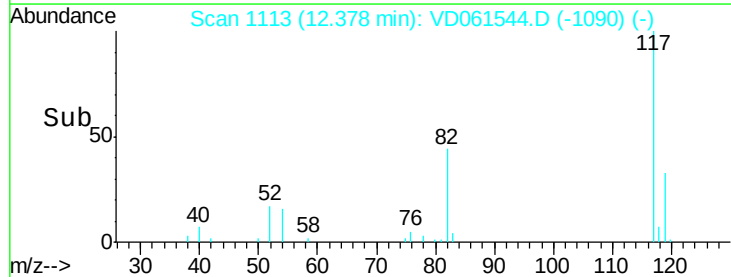
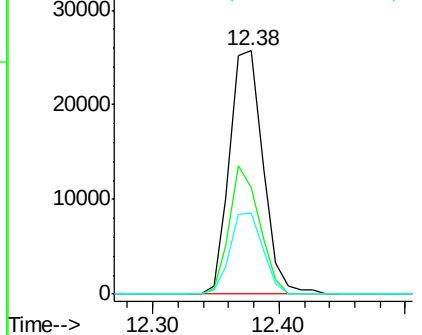


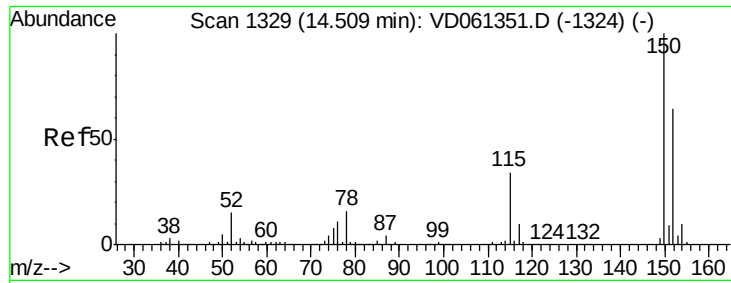
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Tgt Ion: 117 Resp: 47149
Ion Ratio Lower Upper
117 100
82 44.0 34.4 51.6
119 33.3 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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061544.D

Acq: 3 Apr 2019 7:47

Instrument :

MSVOA_D

ClientSampleId :

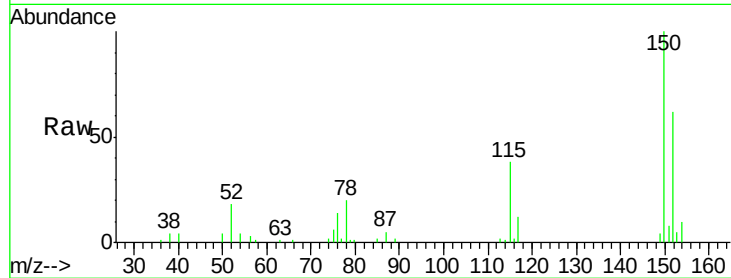
Tot Ion:152 Resp: 23799

Ion Ratio Lower Upper

152 100

115 61.3 26.9 80.6

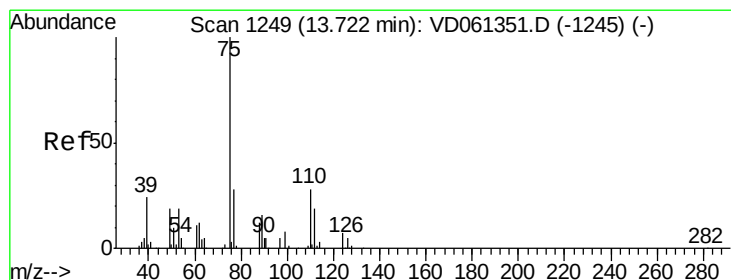
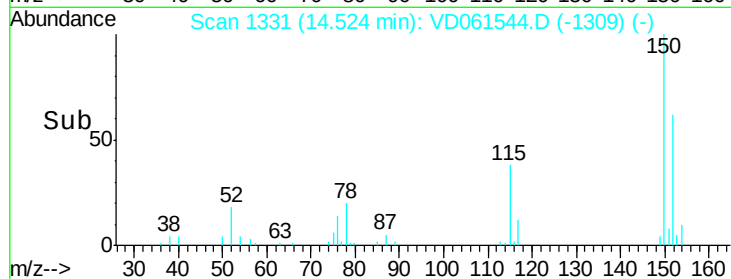
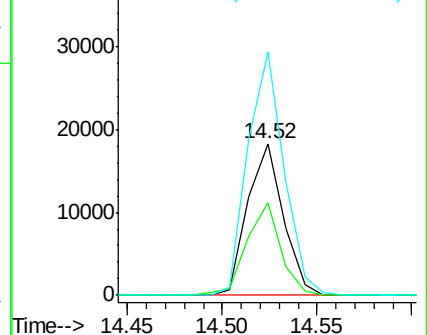
150 160.7 0.0 318.0



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: 25.144 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061544.D

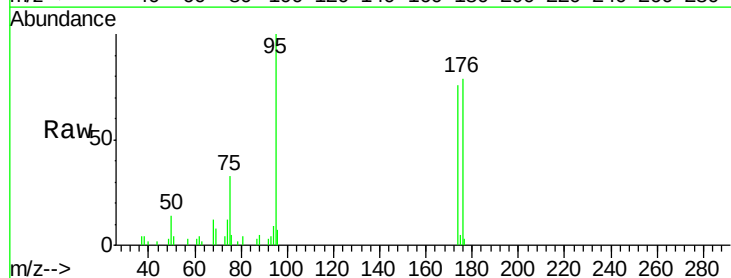
Acq: 3 Apr 2019 7:47

Tgt Ion: 75 Resp: 8644

Ion Ratio Lower Upper

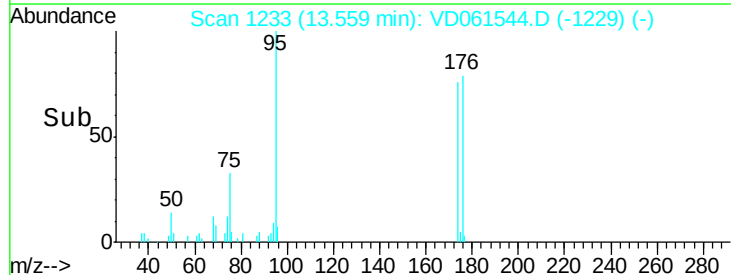
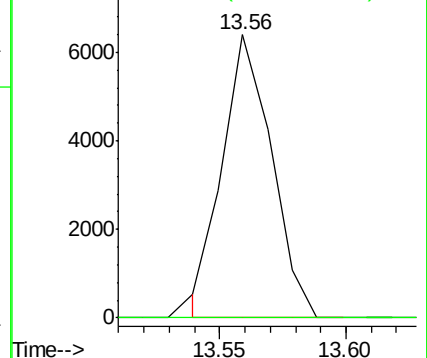
75 100

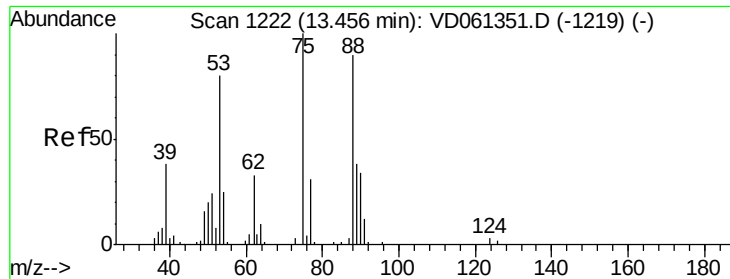
77 0.0 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

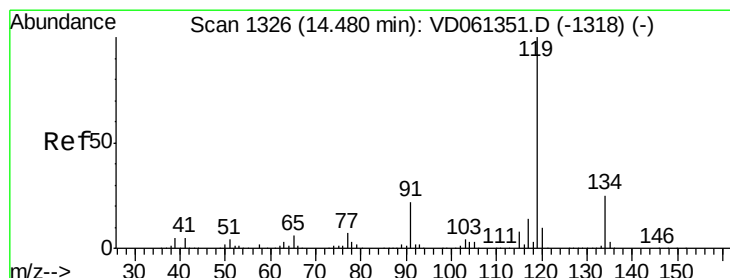
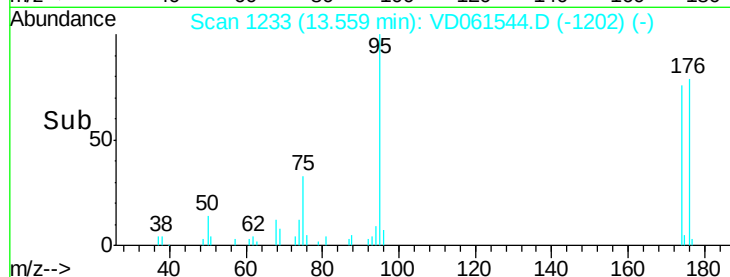
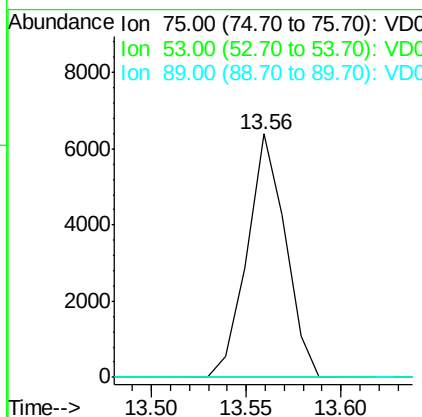
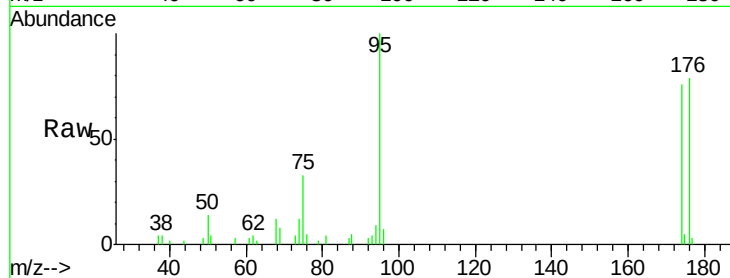




#81
trans-1,4-Dichloro-2-butene
Concen: 85.461 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.10 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 8958
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



#86
p-Isopropyltoluene
Concen: 2.008 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD061544.D
Acq: 3 Apr 2019 7:47

Tgt Ion: 119 Resp: 2897
Ion Ratio Lower Upper
119 100
134 25.8 12.3 36.8
91 23.7 11.1 33.1

