

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061478.D
 Acq On : 1 Apr 2019 19:42
 Operator : VA/AP
 Sample : K2174-01
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:20:08 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

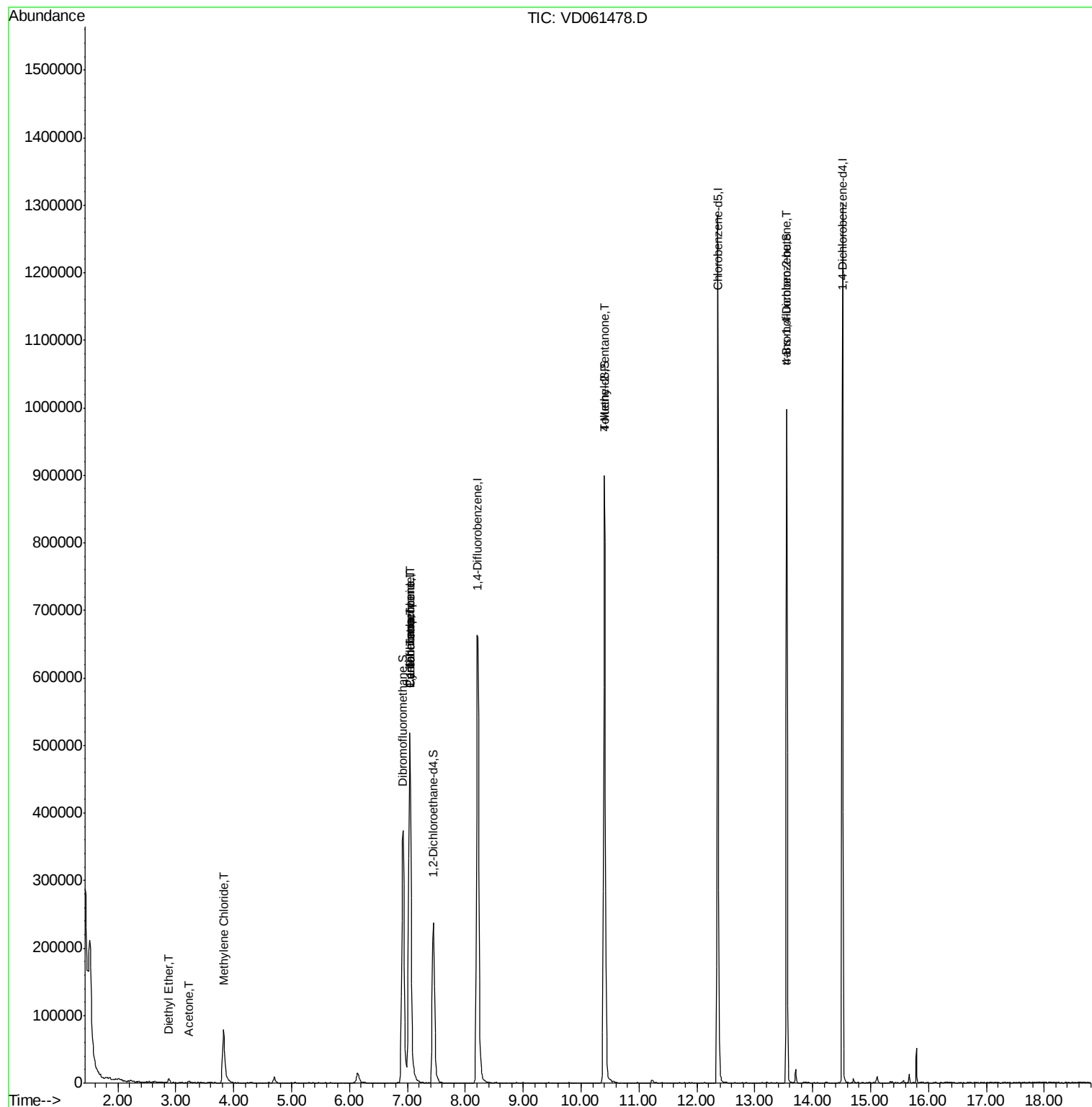
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	549325	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	890656	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	775345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	299972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	254911	54.32	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	6.92	113	364832	53.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.20%	
50) Toluene-d8	10.40	98	776575	47.57	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	13.55	95	298007	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.88	74	3191	1.551	ug/l	58
16) Acetone	3.21	43	5177	4.292	ug/l #	79
20) Methylene Chloride	3.82	84	63554	7.784	ug/l	95
31) Cyclohexane	7.03	56	9480	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	41272	5.309	ug/l #	44
38) Carbon Tetrachloride	7.04	117	51047	5.715	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	3097	1.052	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	111045	84.049	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: VD061478.D

Acq: 1 Apr 2019 19:42

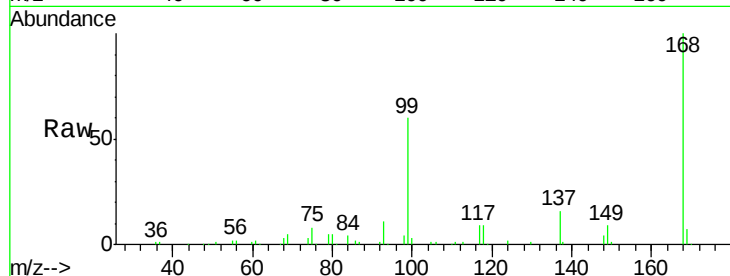
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 549325

Ion Ratio Lower Upper

168 100

99 59.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

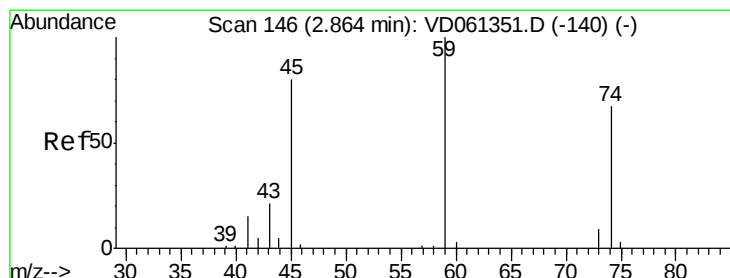
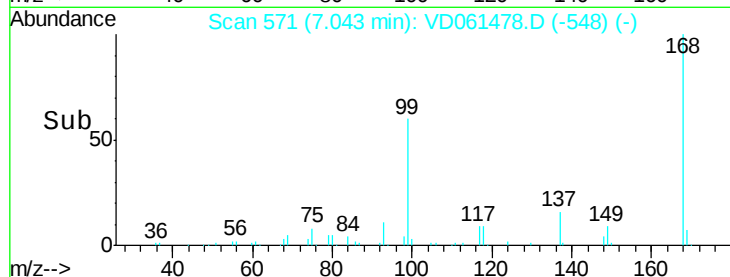
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.551 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD061478.D

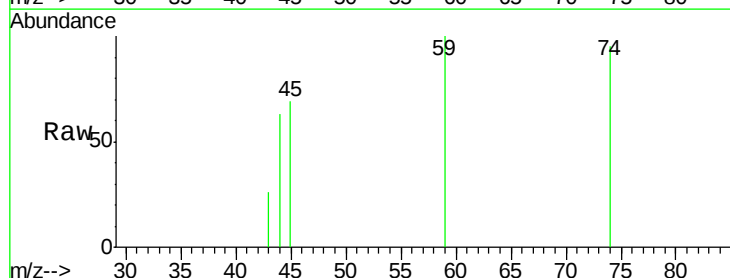
Acq: 1 Apr 2019 19:42

Tgt Ion: 74 Resp: 3191

Ion Ratio Lower Upper

74 100

45 72.7 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

2000

1500

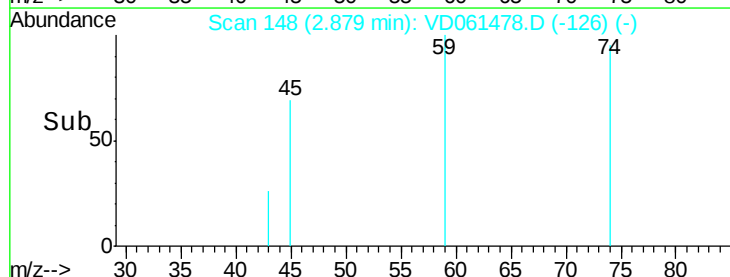
1000

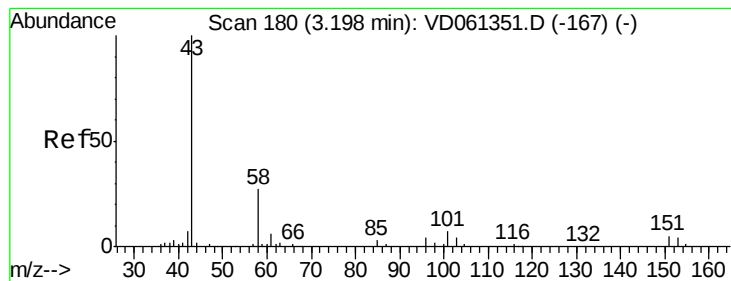
500

0

2.80 2.85 2.90 2.95

Time-->





#16

Acetone

Concen: 4.292 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

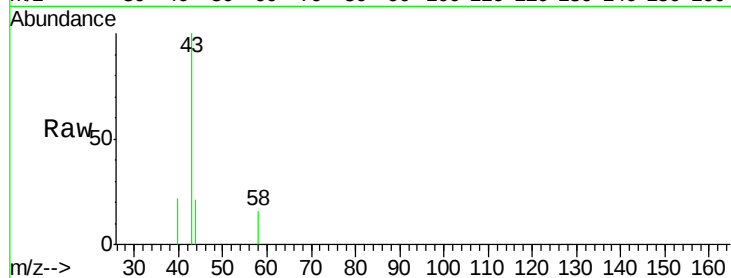
ClientSampleId :

Tot Ion: 43 Resp: 5177

Ion Ratio Lower Upper

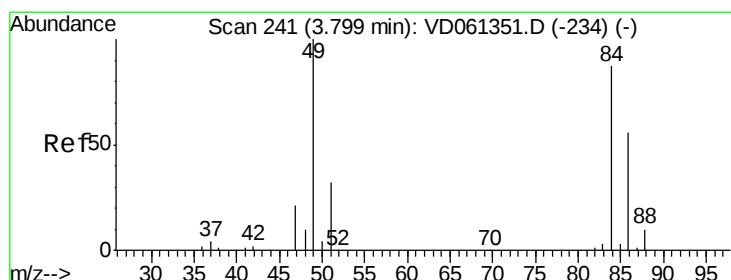
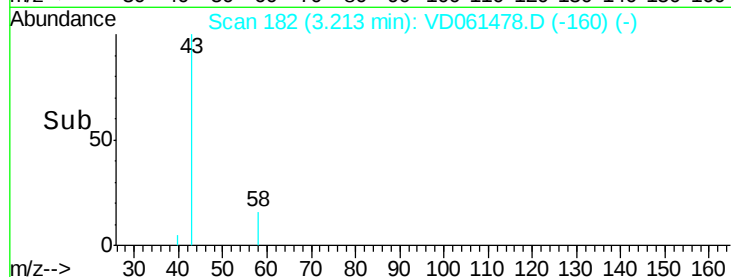
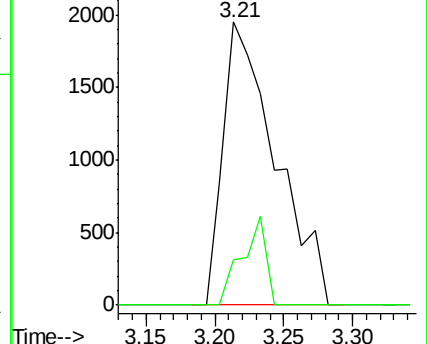
43 100

58 15.8 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: 7.784 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Tgt Ion: 84 Resp: 63554

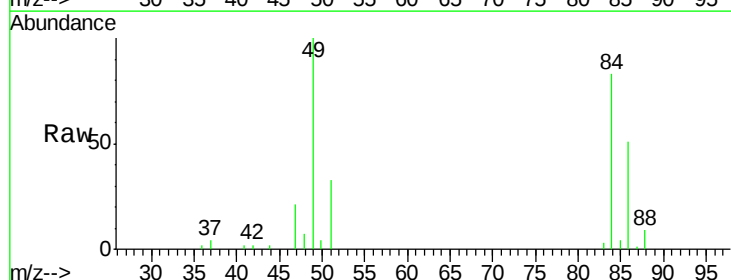
Ion Ratio Lower Upper

84 100

49 120.4 91.8 137.8

51 39.6 29.8 44.8

86 61.0 51.8 77.6

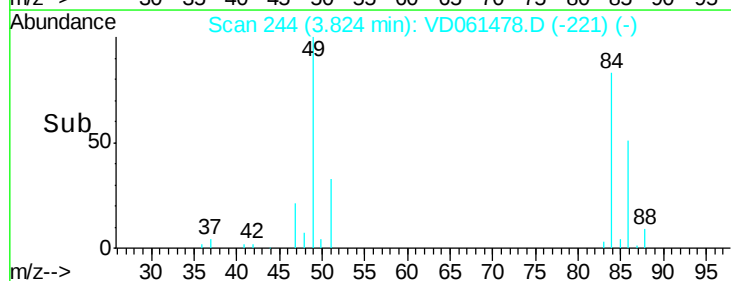
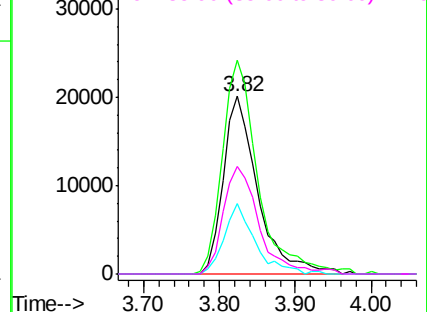


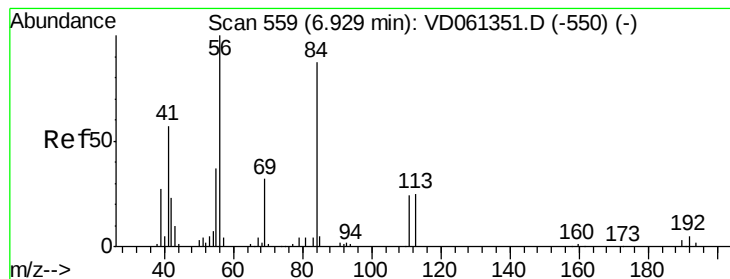
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

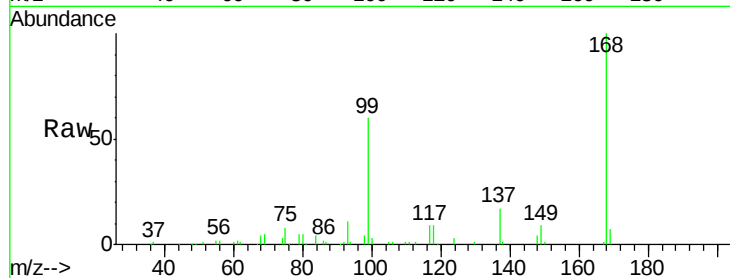
Tot Ion: 56 Resp: 9480

Ion Ratio Lower Upper

56 100

69 245.9 25.7 38.5#

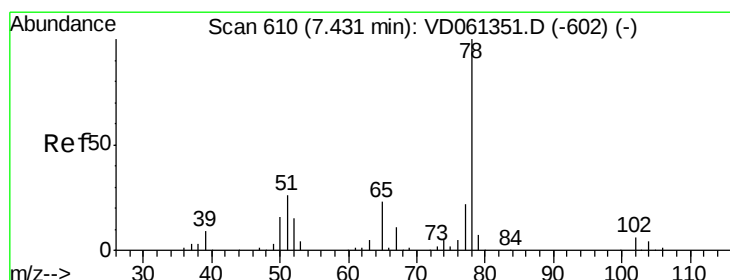
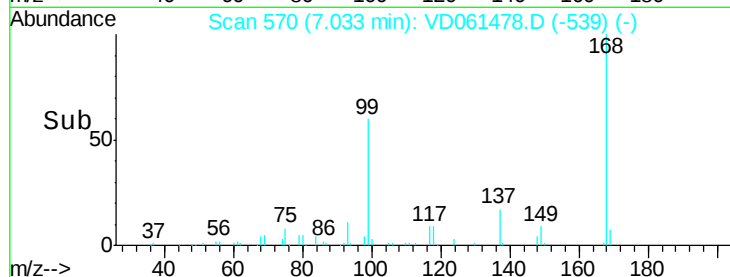
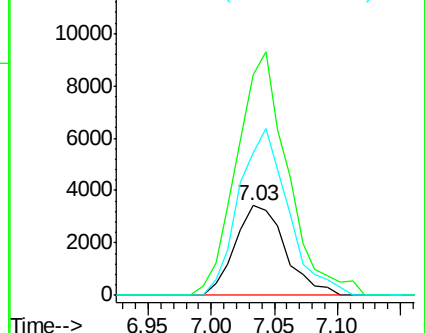
84 159.8 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061478.D

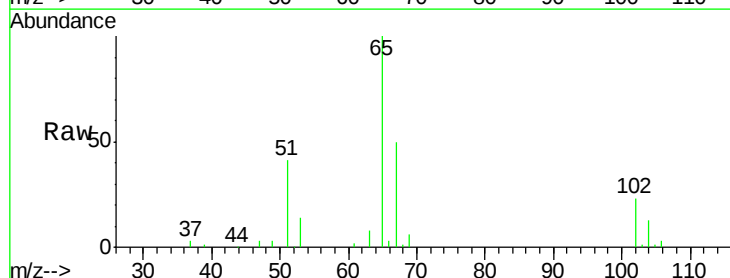
Acq: 1 Apr 2019 19:42

Tgt Ion: 65 Resp: 254911

Ion Ratio Lower Upper

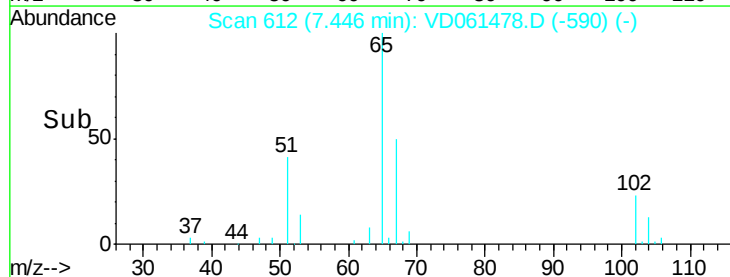
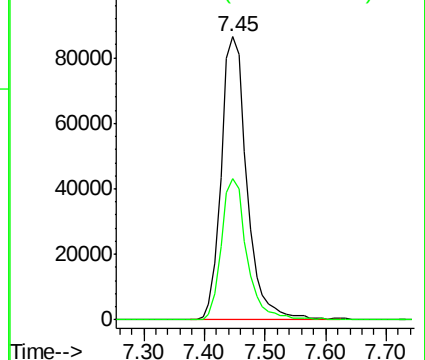
65 100

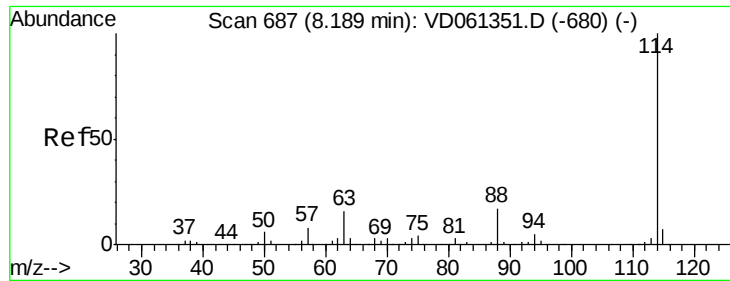
67 49.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

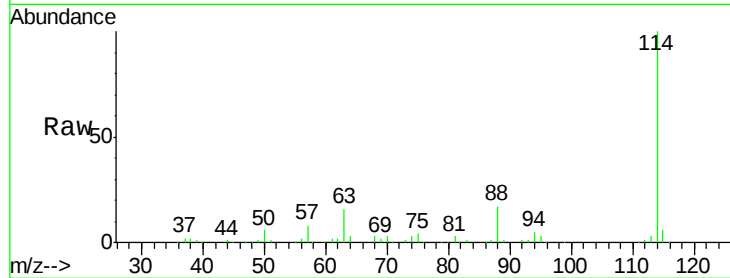




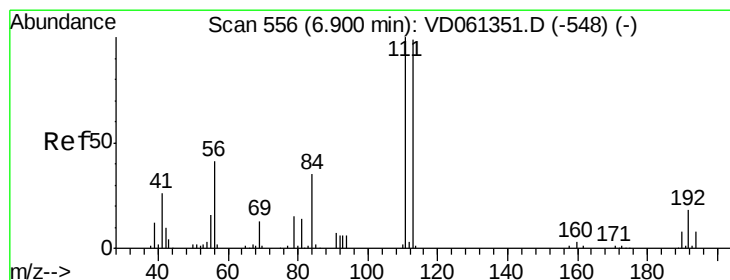
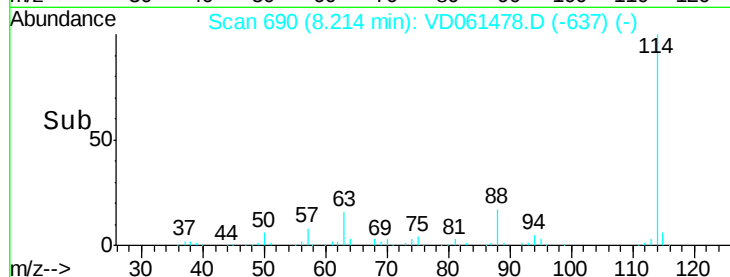
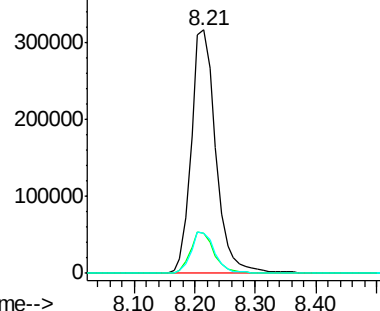
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061478.D
 Acq: 1 Apr 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 890656
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.6
 88 16.6 0.0 33.4

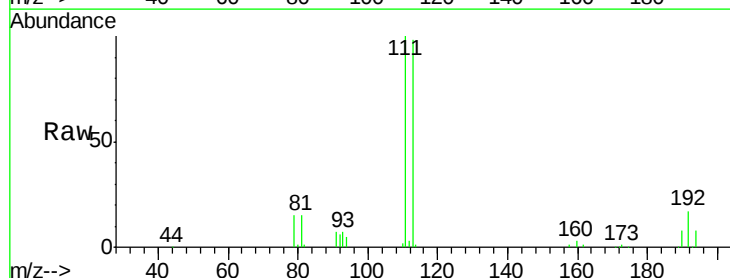


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

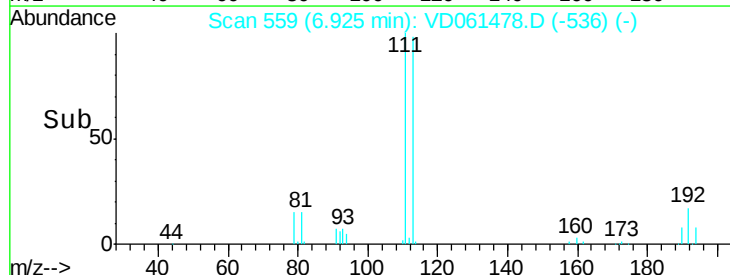
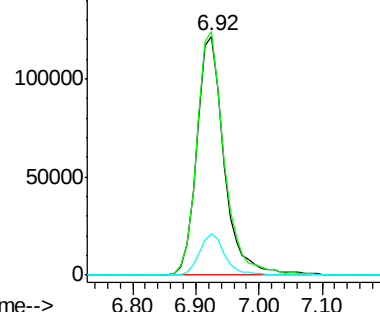


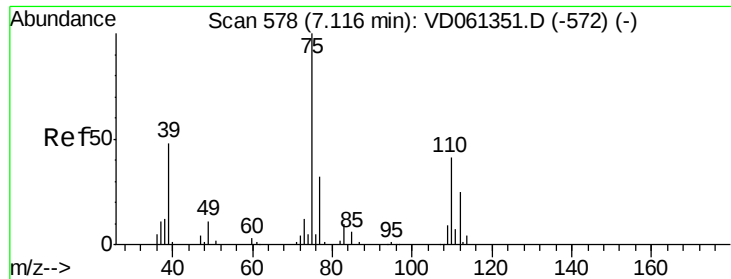
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD061478.D
 Acq: 1 Apr 2019 19:42

Tgt Ion:113 Resp: 364832
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.0 121.6
 192 17.2 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: 5.309 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

Instrument :

MSVOA_D

ClientSampled :

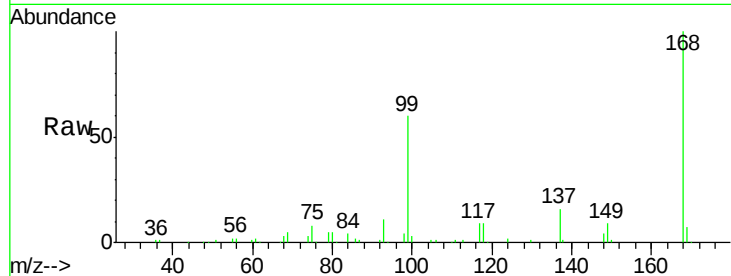
Tot Ion: 75 Resp: 41272

Ion Ratio Lower Upper

75 100

110 5.8 20.4 61.3#

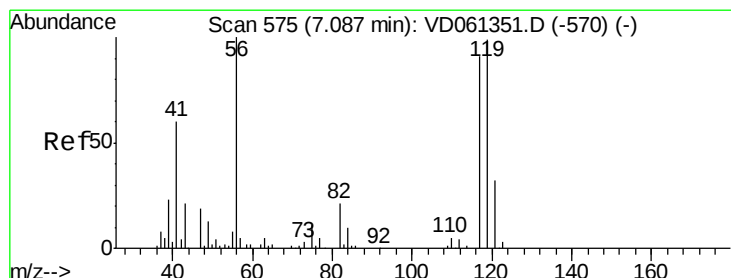
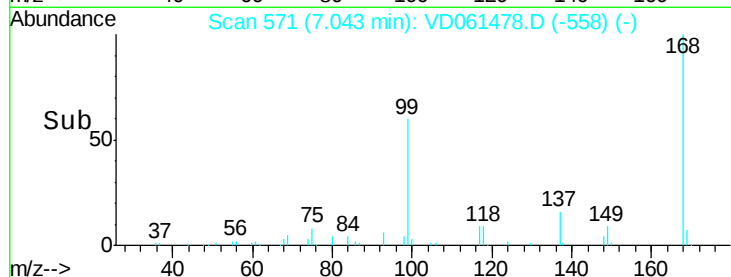
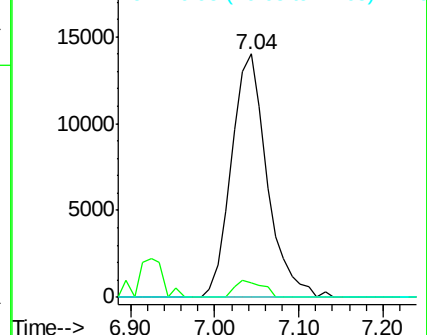
77 0.0 24.9 37.3#



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: 5.715 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061478.D

Acq: 1 Apr 2019 19:42

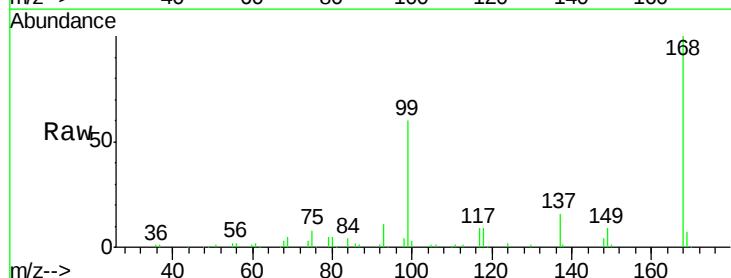
Tgt Ion: 117 Resp: 51047

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

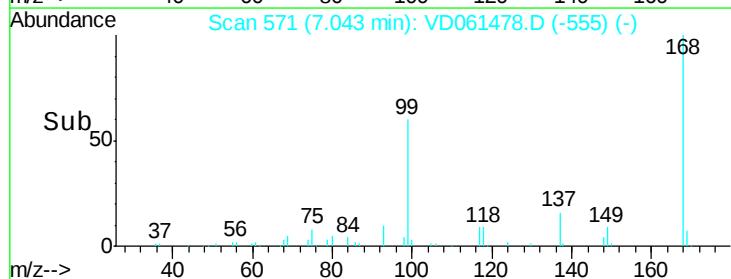
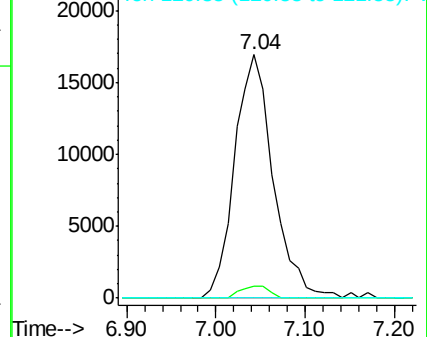
121 0.0 25.6 38.4#

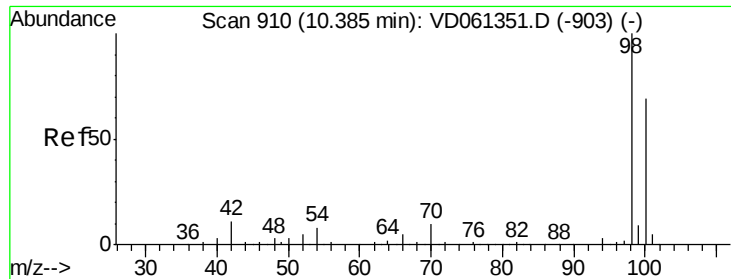


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

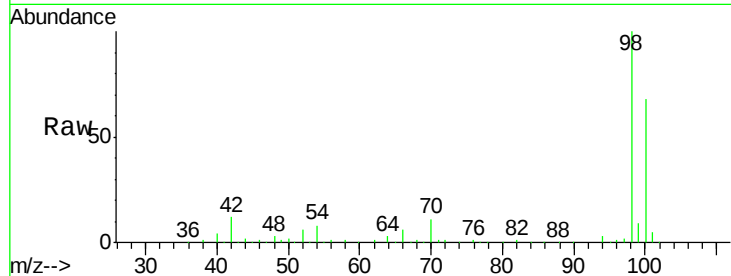




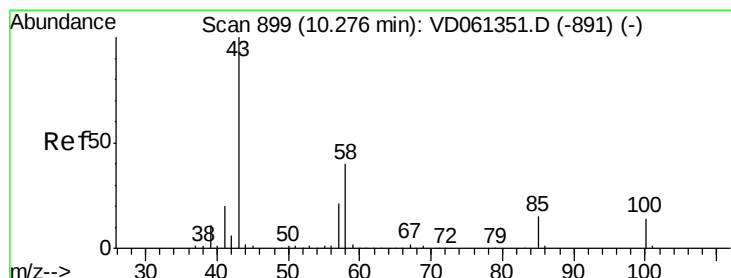
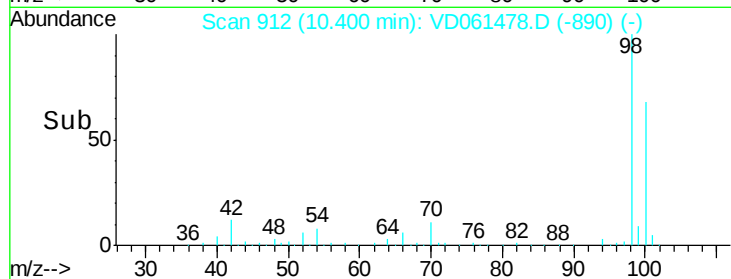
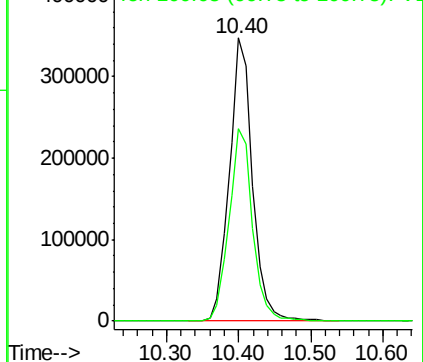
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 776575
Ion Ratio Lower Upper
98 100
100 68.1 56.2 84.2

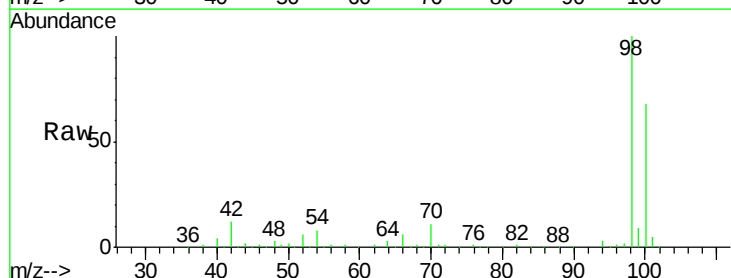


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

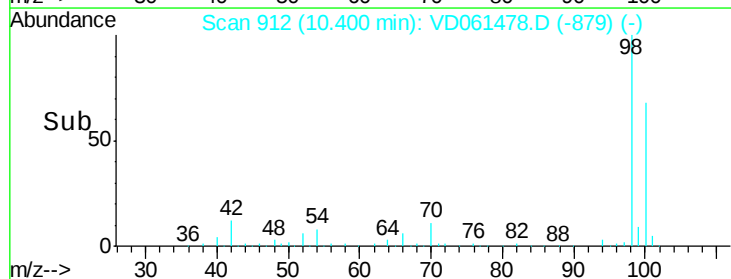
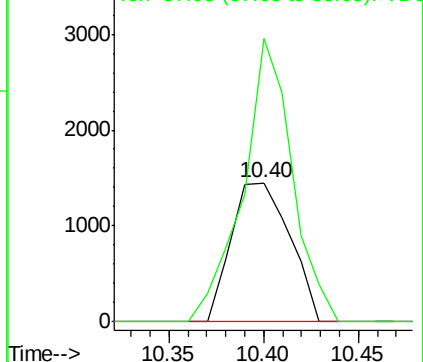


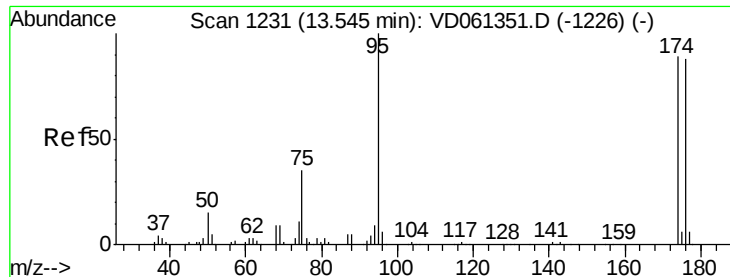
#51
4-Methyl-2-Pentanone
Concen: 1.052 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.12 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Tgt Ion: 43 Resp: 3097
Ion Ratio Lower Upper
43 100
58 203.8 31.8 47.8#



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

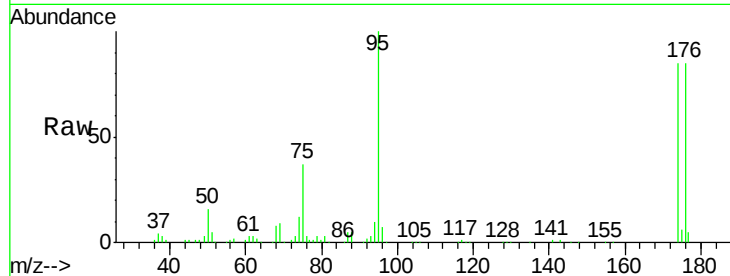




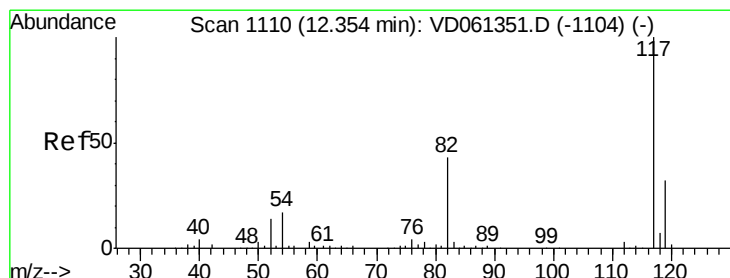
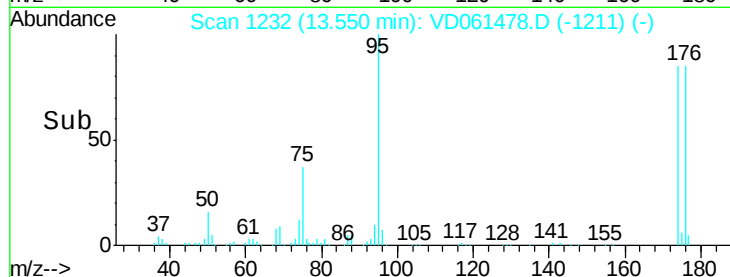
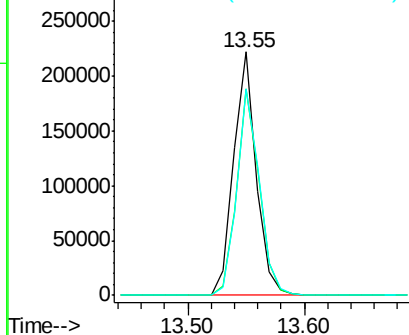
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 298007
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.0
176 84.6 0.0 175.0

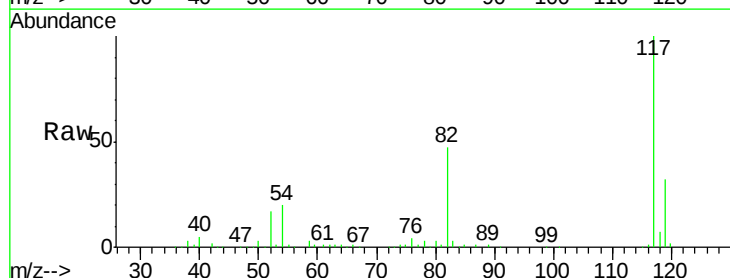


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

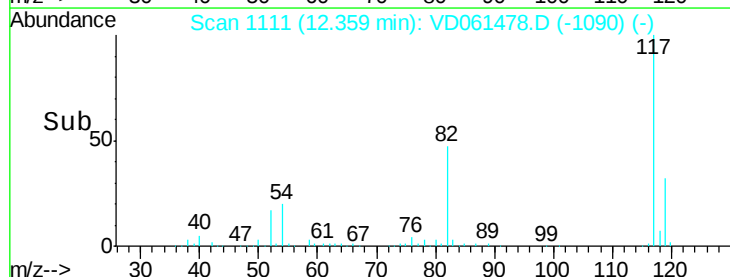
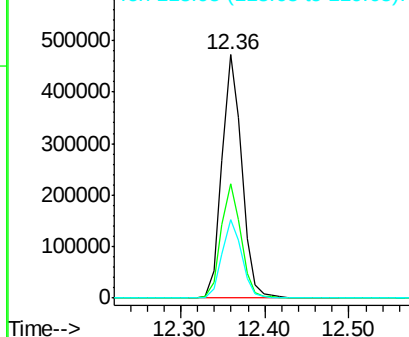


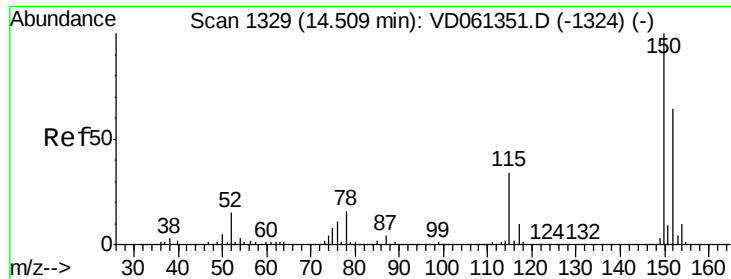
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Tgt Ion: 117 Resp: 775345
Ion Ratio Lower Upper
117 100
82 47.2 34.4 51.6
119 32.5 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



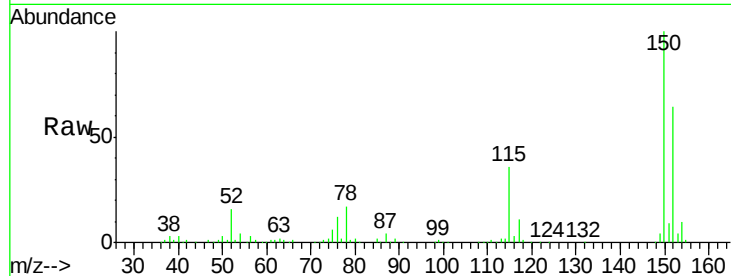


#72

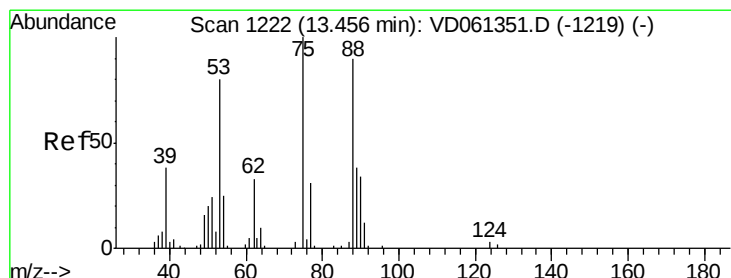
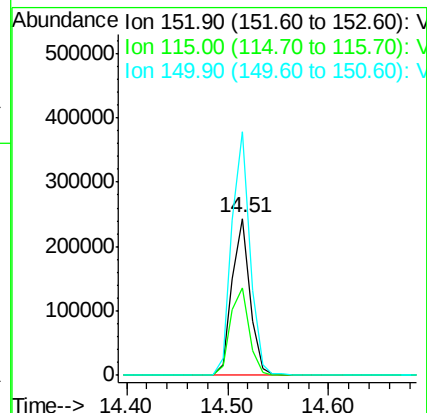
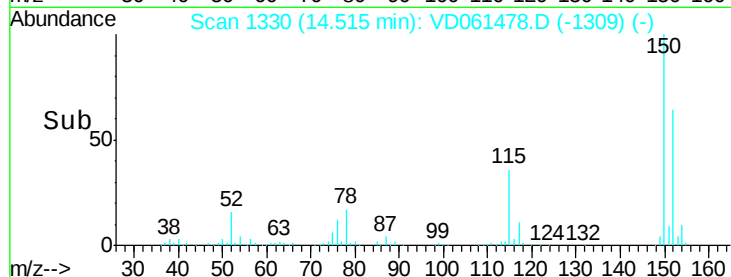
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 299972
Ion Ratio Lower Upper
152 100
115 56.2 26.9 80.6
150 155.4 0.0 318.0



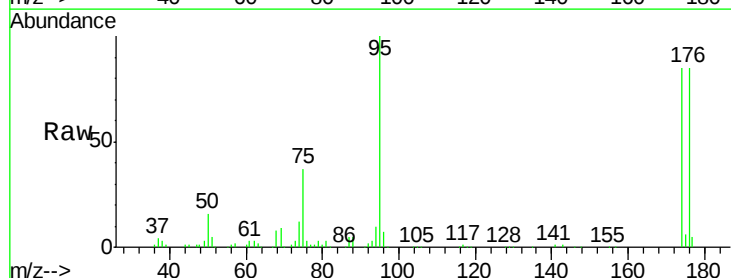
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 84.049 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD061478.D
Acq: 1 Apr 2019 19:42

Tgt Ion: 75 Resp: 111045
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

