

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061538.D
 Acq On : 3 Apr 2019 5:01
 Operator : VA/AP
 Sample : K2180-09RE
 Misc : 7.55g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6D1

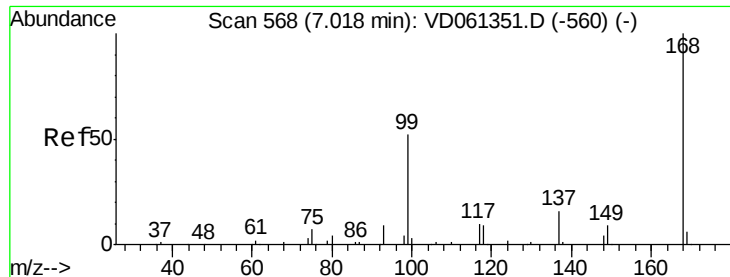
Quant Time: Apr 03 06:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	533702	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	984235	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	771633	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	333944	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	214038	46.95	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	93.90%	
35) Dibromofluoromethane	6.94	113	342962	45.60	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	91.20%	
50) Toluene-d8	10.42	98	702081	38.92	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	77.84%	
62) 4-Bromofluorobenzene	13.56	95	280887	40.60	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	81.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1273	3.583	ug/l #	38
16) Acetone	3.24	43	36317	30.987	ug/l	95
18) Methyl Acetate	3.66	43	3184	1.292	ug/l #	55
20) Methylene Chloride	3.84	84	102454	14.231	ug/l	98
31) Cyclohexane	7.06	56	8540	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	36926	4.299	ug/l #	45
38) Carbon Tetrachloride	7.06	117	51611	5.229	ug/l #	13
52) Toluene	10.52	92	17994	1.368	ug/l	98
76) 1,2,3-Trichloropropane	13.56	75	90385	18.737	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	104020	70.723	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampled :

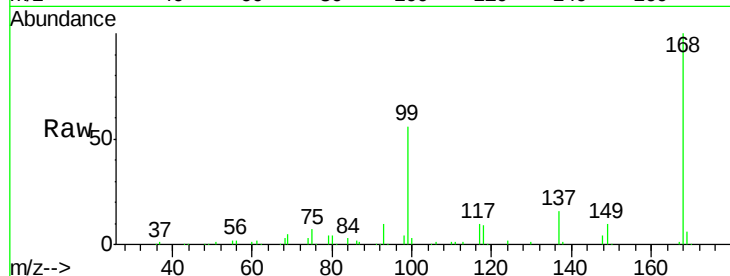
TP-6D1

Tot Ion:168 Resp: 533702

Ion Ratio Lower Upper

168 100

99 56.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

200000

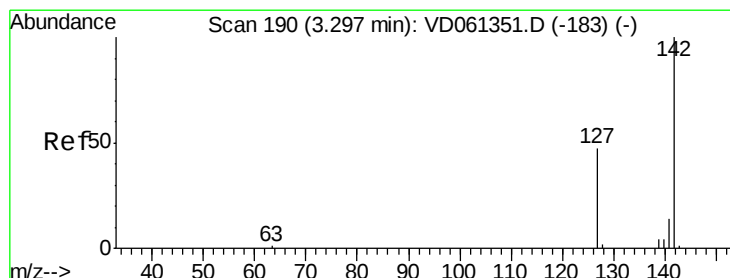
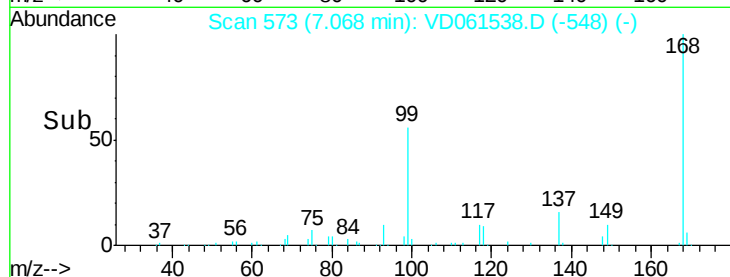
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.583 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

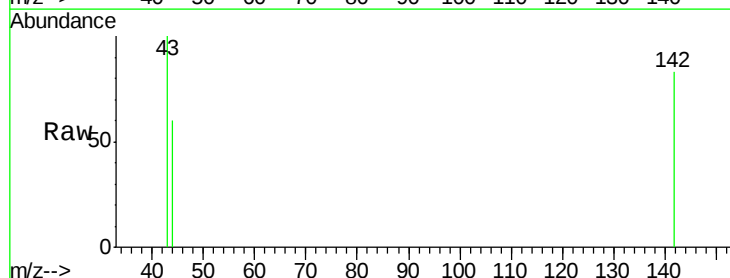
Tgt Ion:142 Resp: 1273

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

3.33

1000

800

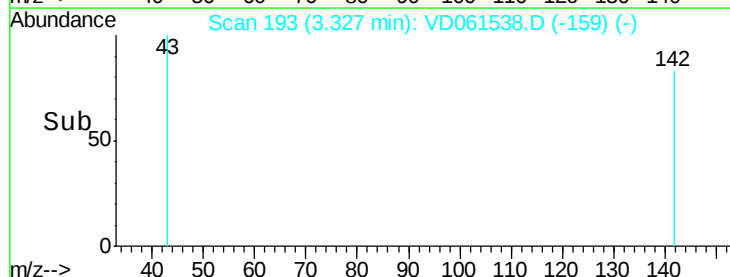
600

400

200

0

Time--> 3.30 3.35





#16

Acetone

Concen: 30.987 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

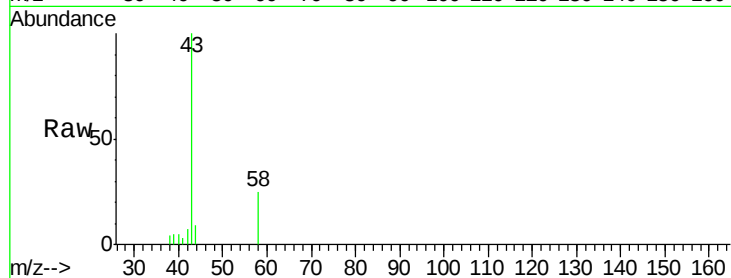
TP-6D1

Tot Ion: 43 Resp: 36317

Ion Ratio Lower Upper

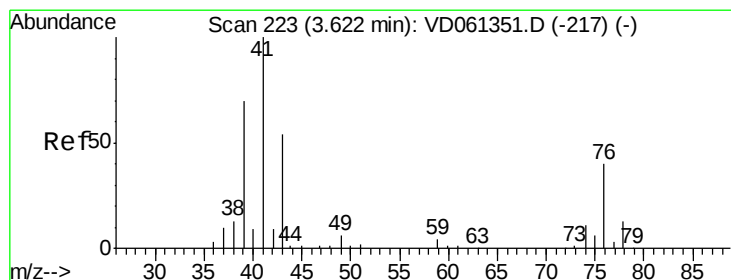
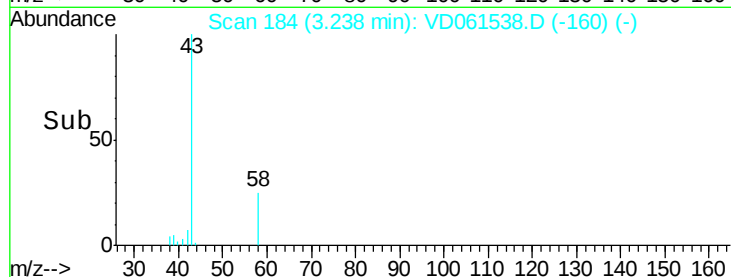
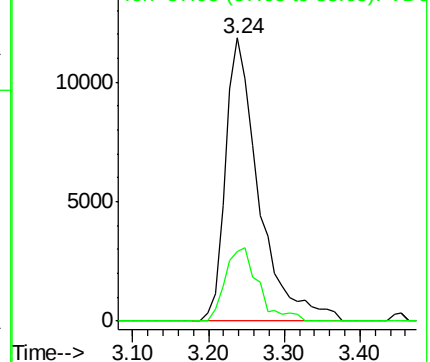
43 100

58 24.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.292 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD061538.D

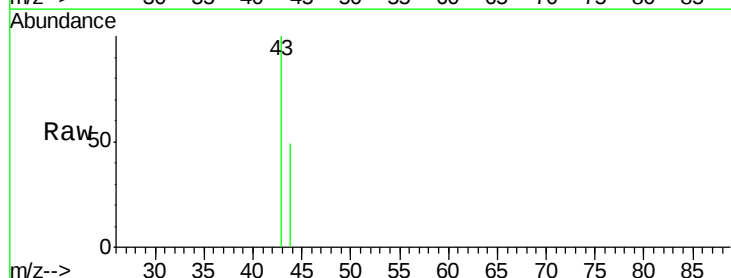
Acq: 3 Apr 2019 5:01

Tgt Ion: 43 Resp: 3184

Ion Ratio Lower Upper

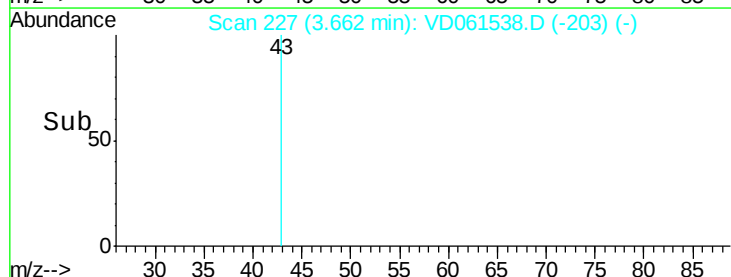
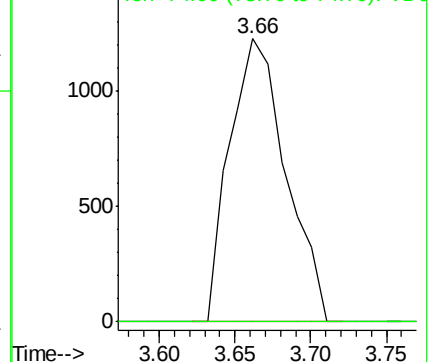
43 100

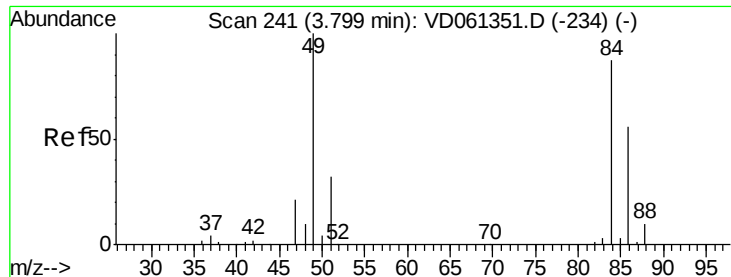
74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

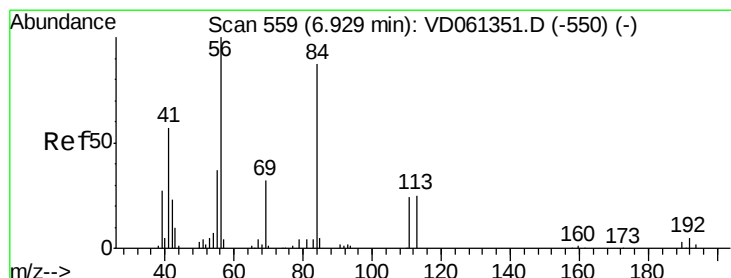
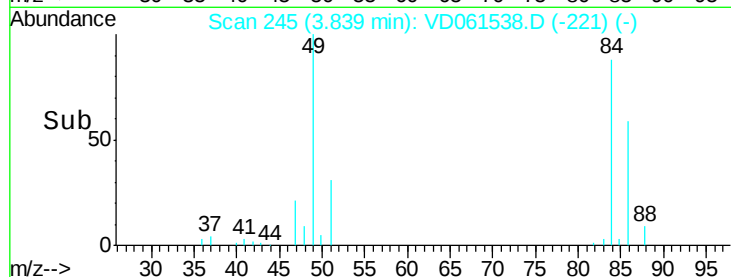
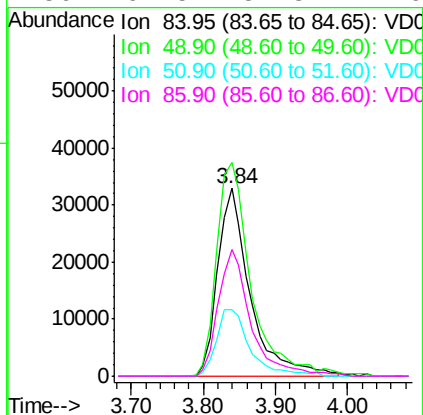
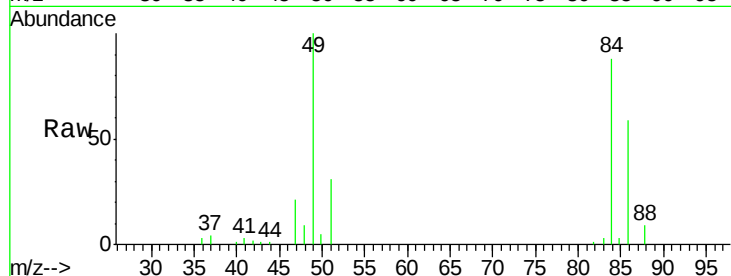




#20
Methylene Chloride
Concen: 14.231 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

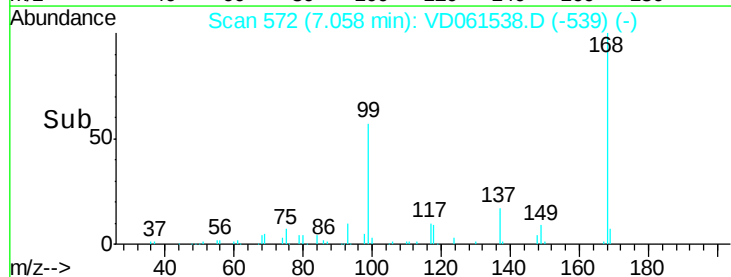
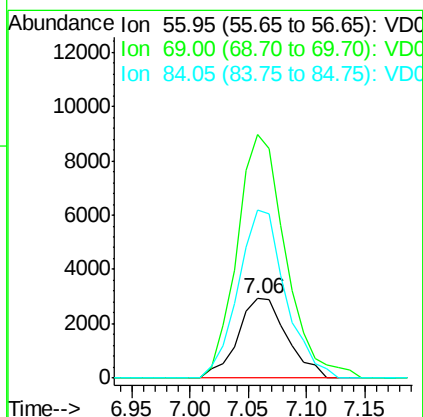
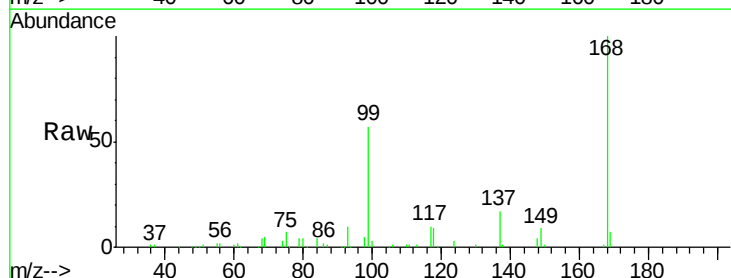
Instrument :
MSVOA_D
ClientSampleId :
TP-6D1

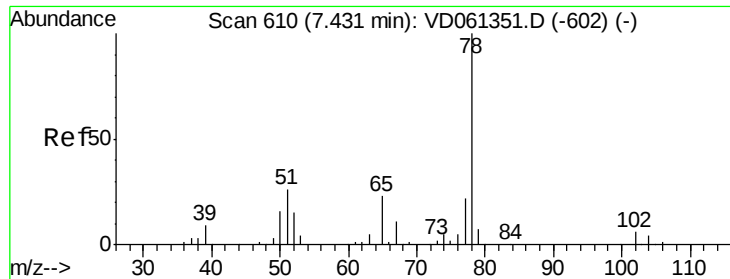
Tot Ion: 84 Resp: 102454
Ion Ratio Lower Upper
84 100
49 113.6 91.8 137.8
51 35.7 29.8 44.8
86 67.5 51.8 77.6



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.13 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

Tgt Ion: 56 Resp: 8540
Ion Ratio Lower Upper
56 100
69 306.4 25.7 38.5#
84 211.1 70.6 105.8#

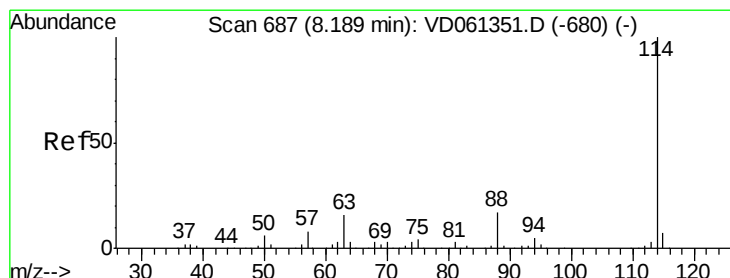
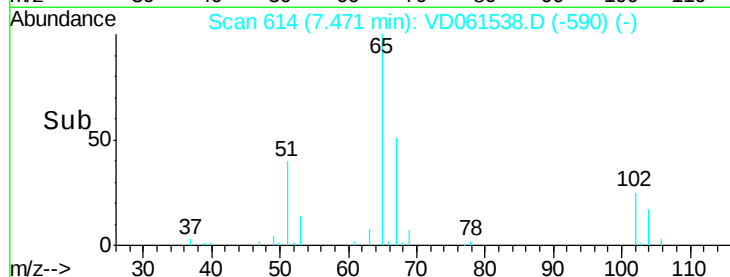
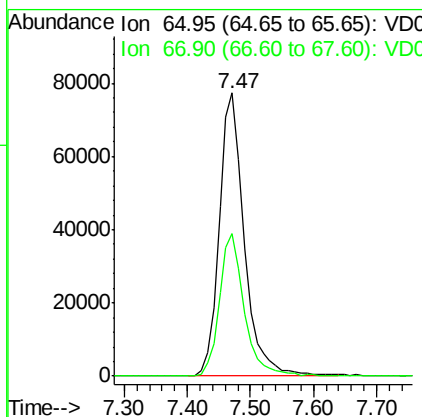
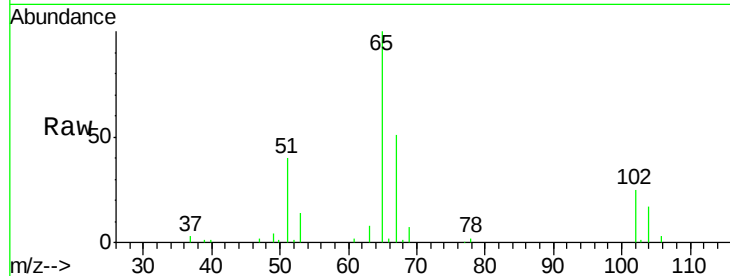




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD061538.D
 Acq: 3 Apr 2019 5:01

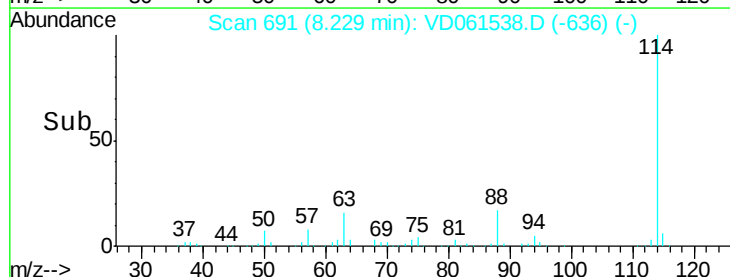
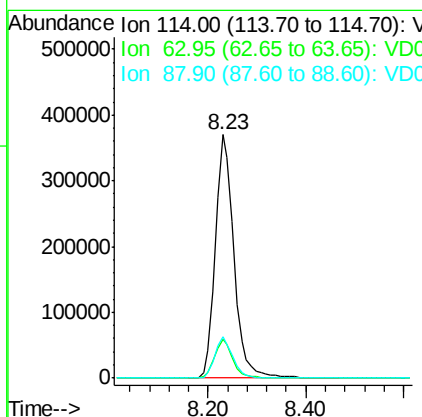
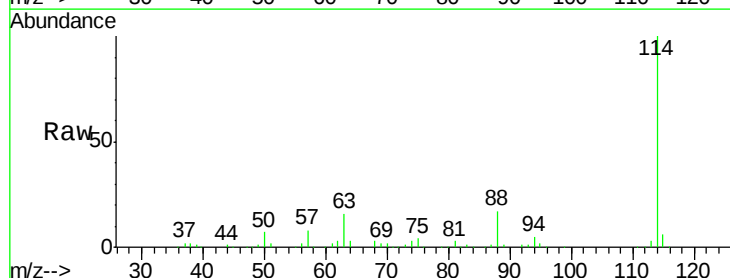
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-6D1

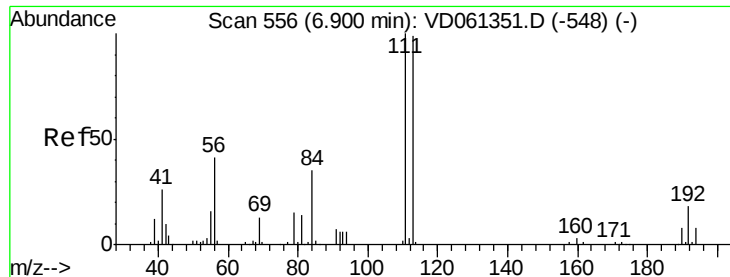
Tot Ion: 65 Resp: 214038
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061538.D
 Acq: 3 Apr 2019 5:01

Tgt Ion: 114 Resp: 984235
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 17.3 0.0 33.4

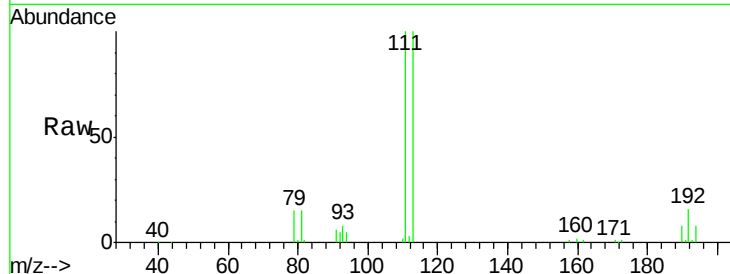




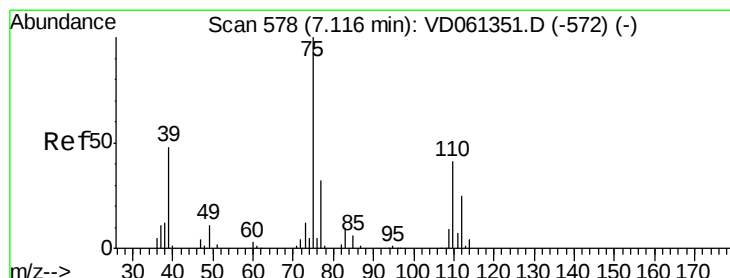
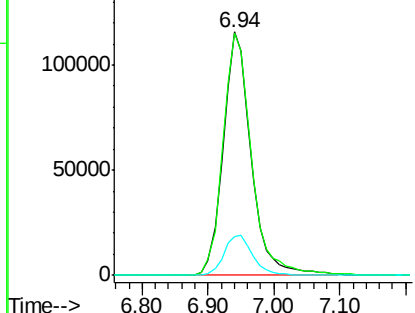
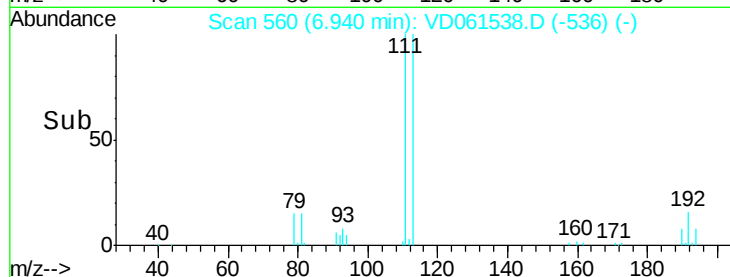
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061538.D
 Acq: 3 Apr 2019 5:01

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6D1

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.0	121.6
192	15.9	14.4	21.6

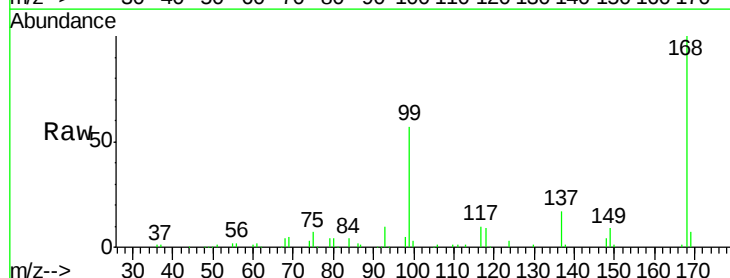


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

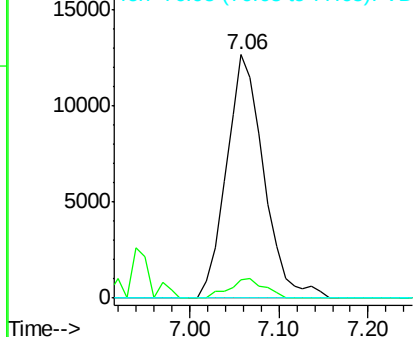
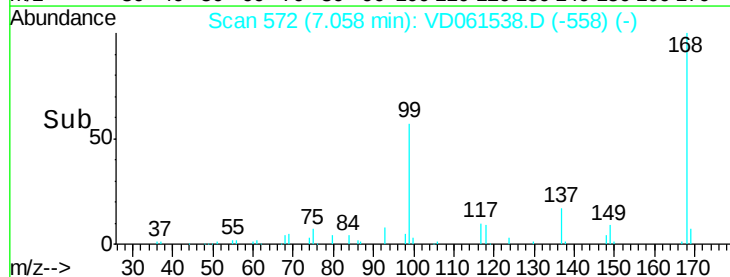


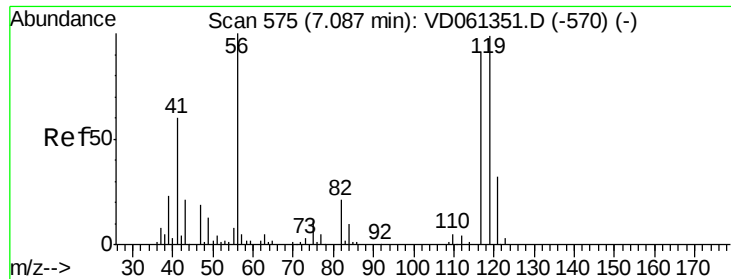
#36
 1,1-Dichloropropene
 Concen: 4.299 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061538.D
 Acq: 3 Apr 2019 5:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	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

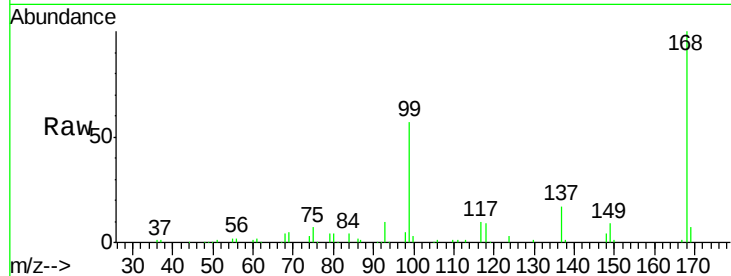




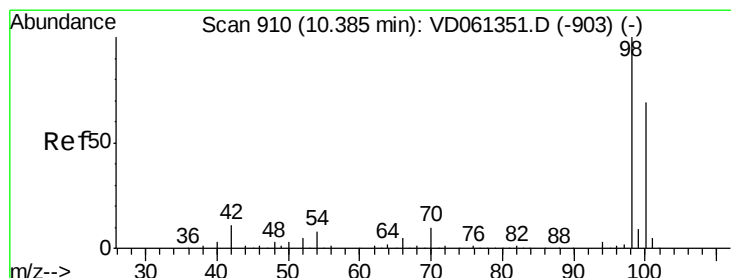
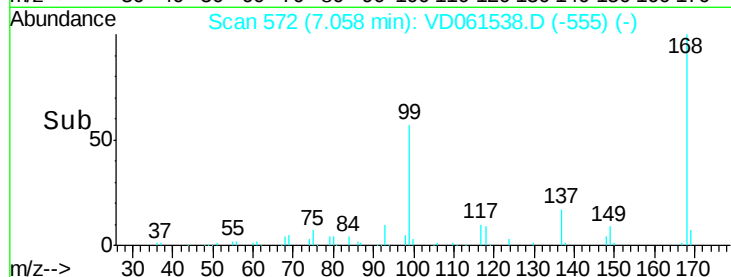
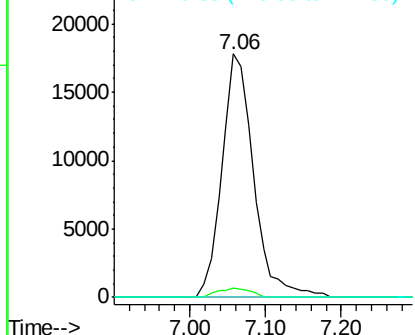
#38
Carbon Tetrachloride
Concen: 5.229 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

Instrument :
MSVOA_D
ClientSampleId :
TP-6D1

Tot Ion:117 Resp: 51611
Ion Ratio Lower Upper
117 100
119 3.9 80.1 120.1#
121 0.0 25.6 38.4#

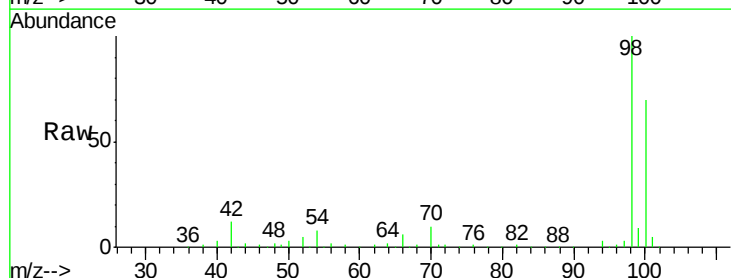


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

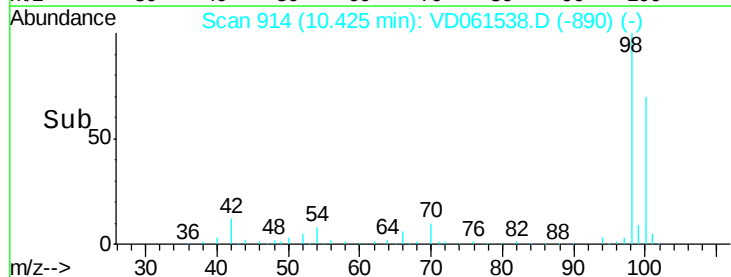
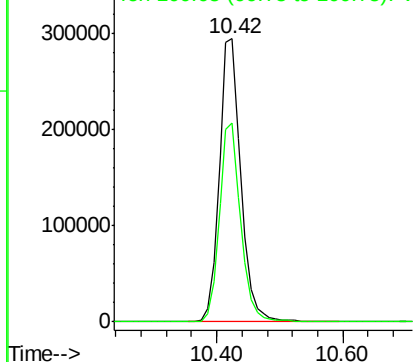


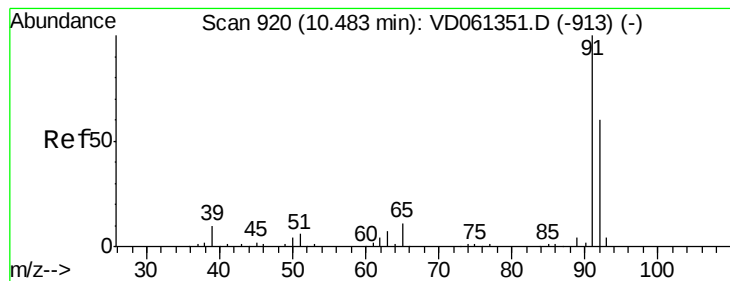
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

Tgt Ion: 98 Resp: 702081
Ion Ratio Lower Upper
98 100
100 70.4 56.2 84.2



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





#52

Toluene

Concen: 1.368 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

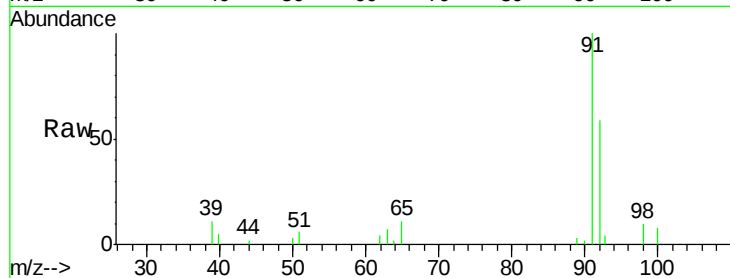
TP-6D1

Tot Ion: 92 Resp: 17994

Ion Ratio Lower Upper

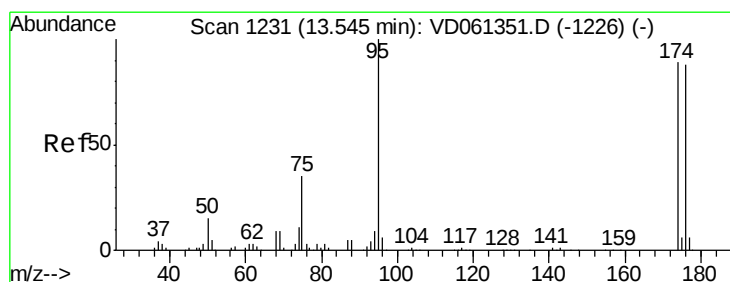
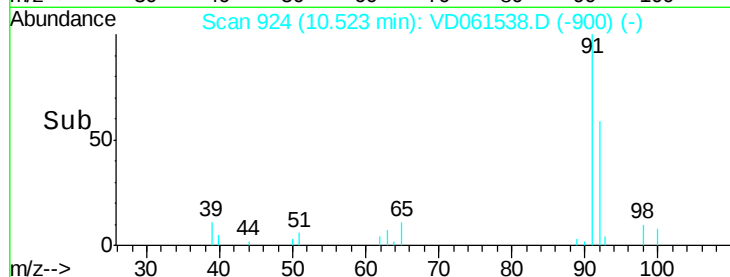
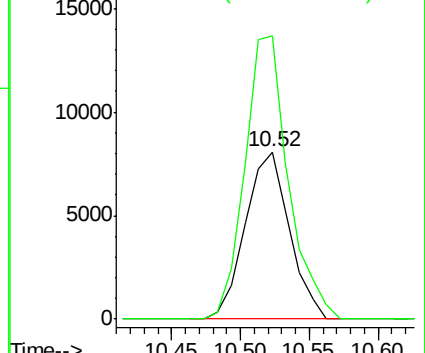
92 100

91 169.5 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

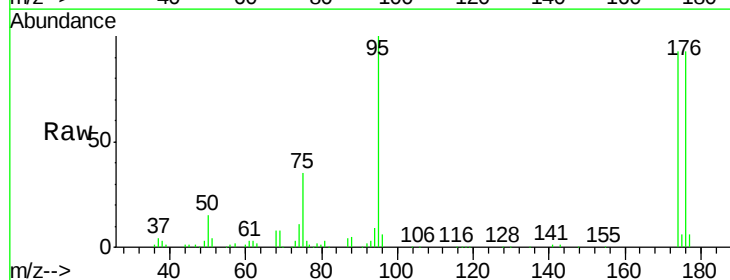
Tgt Ion: 95 Resp: 280887

Ion Ratio Lower Upper

95 100

174 92.7 0.0 178.0

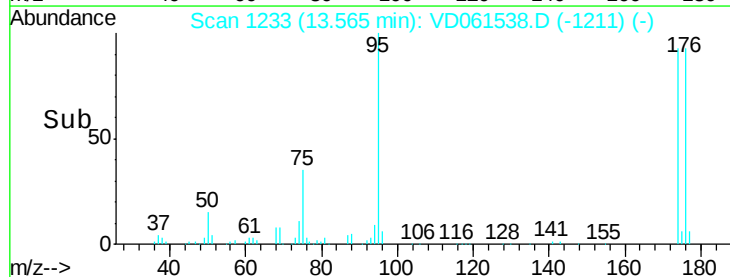
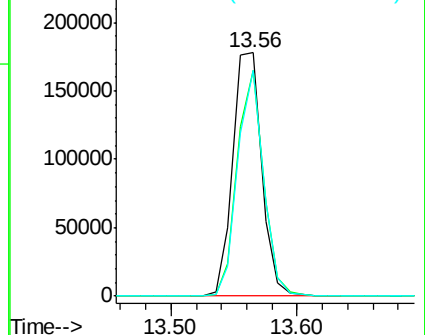
176 92.7 0.0 175.0

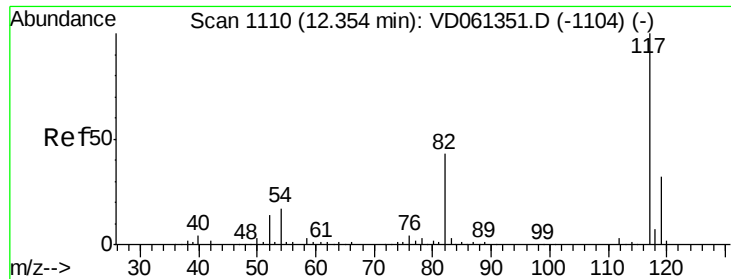


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

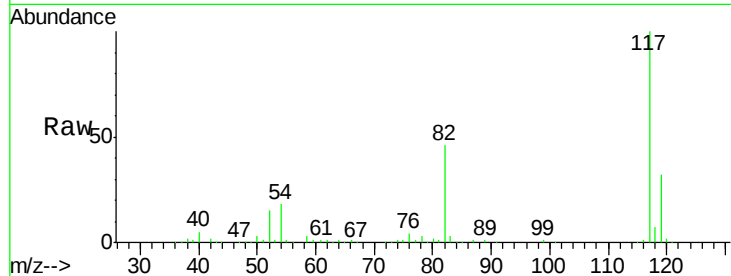




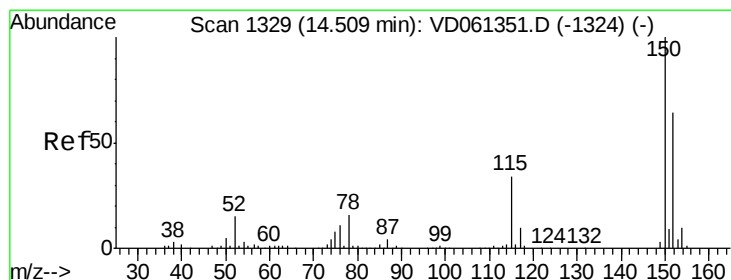
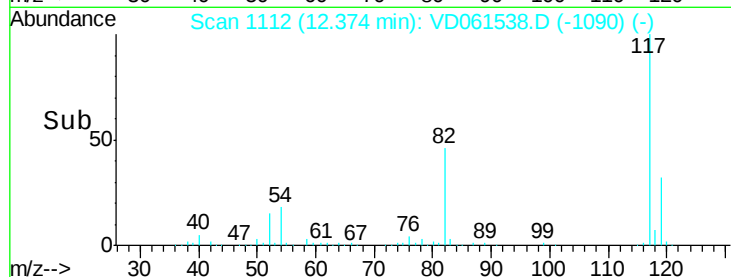
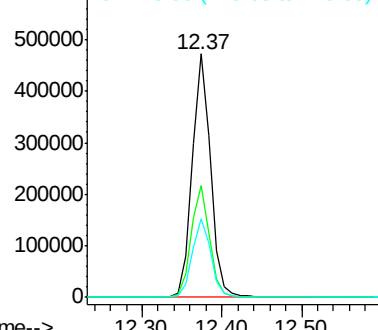
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

Instrument :
MSVOA_D
ClientSampleId :
TP-6D1

Tot Ion:117 Resp: 771633
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 32.1 25.8 38.6

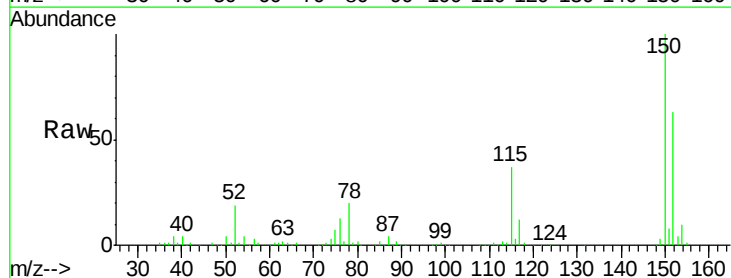


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

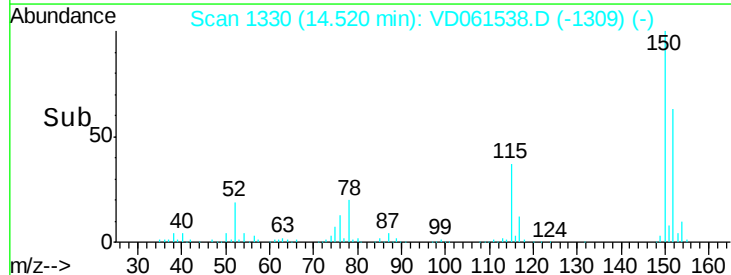
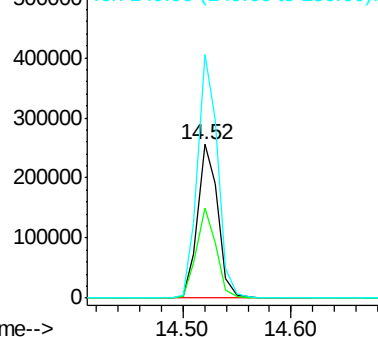


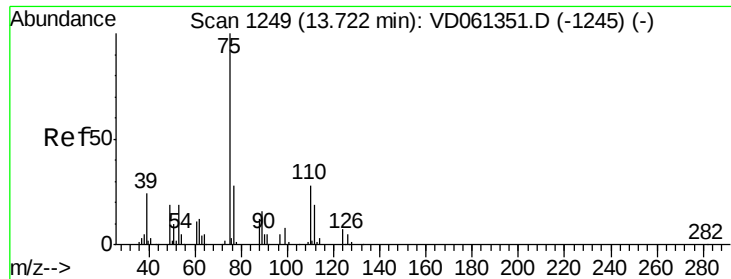
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061538.D
Acq: 3 Apr 2019 5:01

Tgt Ion:152 Resp: 333944
Ion Ratio Lower Upper
152 100
115 58.6 26.9 80.6
150 158.5 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: 18.737 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

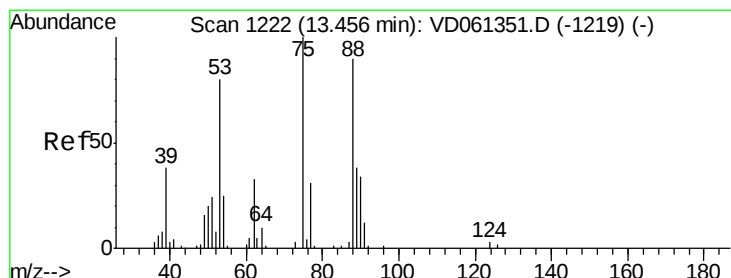
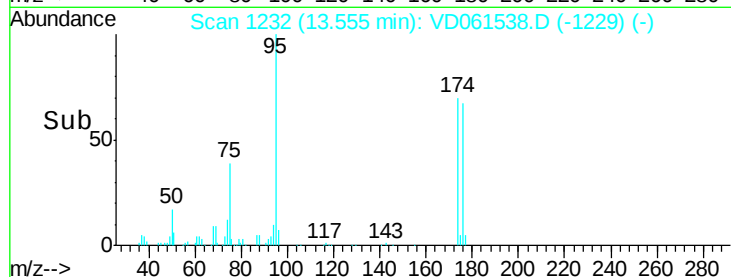
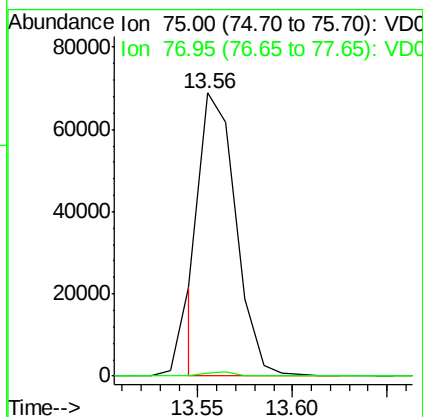
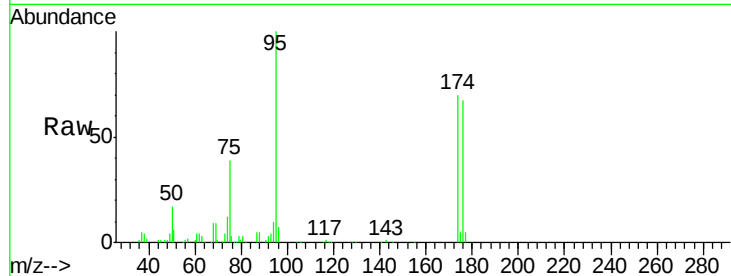
TP-6D1

Tot Ion: 75 Resp: 90385

Ion Ratio Lower Upper

75 100

77 1.0 16.2 48.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.723 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061538.D

Acq: 3 Apr 2019 5:01

Tgt Ion: 75 Resp: 104020

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

