

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061543.D
 Acq On : 3 Apr 2019 7:20
 Operator : VA/AP
 Sample : K2196-01
 Misc : 6.26g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 08:39:27 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	386317	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	725515	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	475670	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	140264	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	214269	64.93	ug/l	0.04
Spiked Amount			Recovery	=	129.86%	
35) Dibromofluoromethane	6.94	113	290574	52.41	ug/l	0.04
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	10.42	98	565377	42.52	ug/l	0.04
Spiked Amount			Recovery	=	85.04%	
62) 4-Bromofluorobenzene	13.57	95	166104	32.57	ug/l	0.02
Spiked Amount			Recovery	=	65.14%	

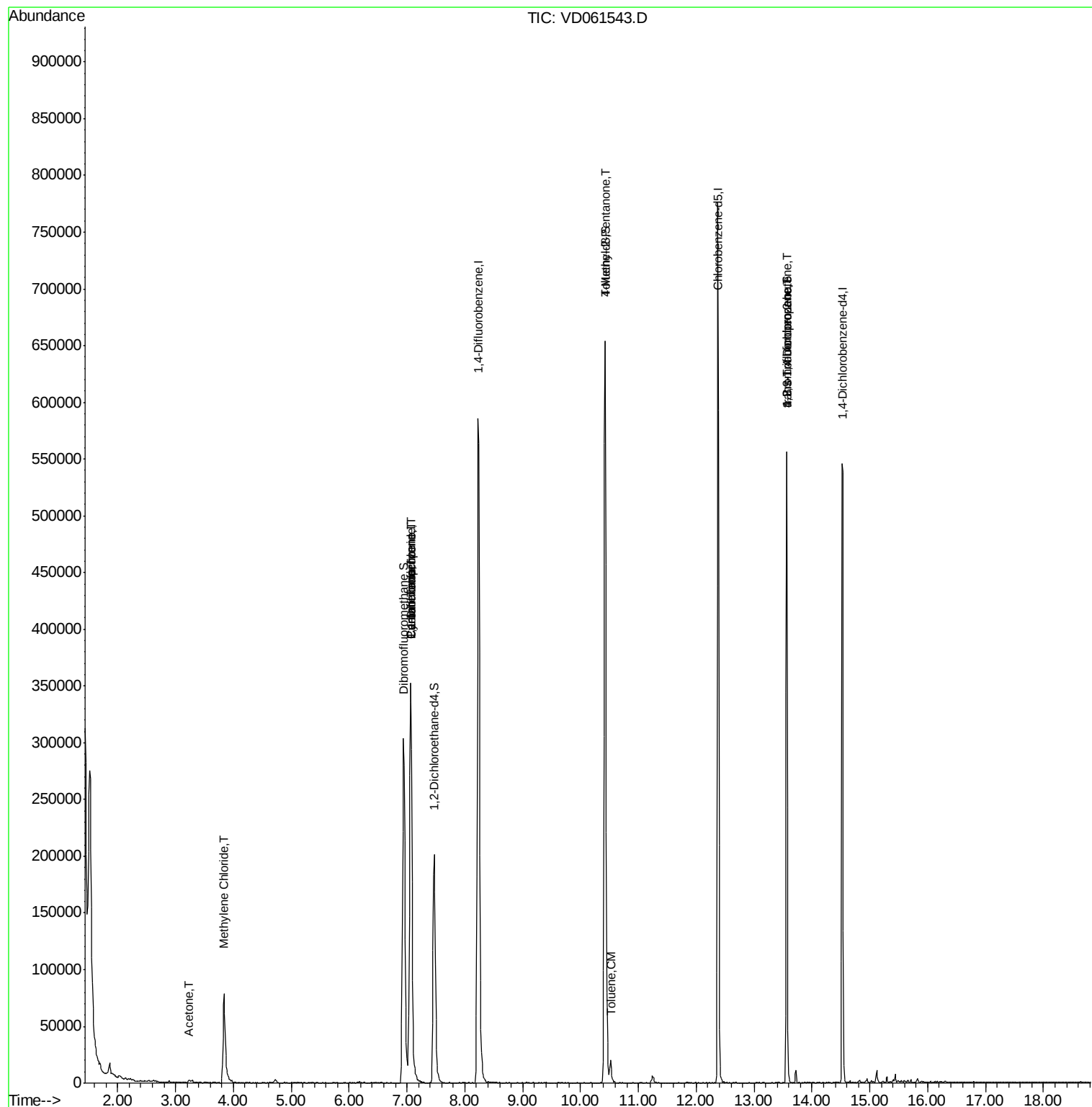
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	4556	5.370	ug/l #	89
20) Methylene Chloride	3.84	84	60192	11.175	ug/l	97
31) Cyclohexane	7.07	56	7242	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	29812	4.708	ug/l #	47
38) Carbon Tetrachloride	7.07	117	36868	5.067	ug/l #	13
51) 4-Methyl-2-Pentanone	10.42	43	2494	1.040	ug/l #	1
52) Toluene	10.52	92	11142	1.149	ug/l	91
76) 1,2,3-Trichloropropane	13.57	75	58567	28.906	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	62658	101.425	ug/l #	18

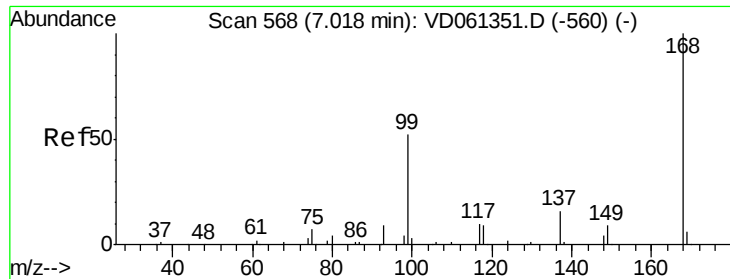
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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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# 573

Delta R.T. 0.05 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

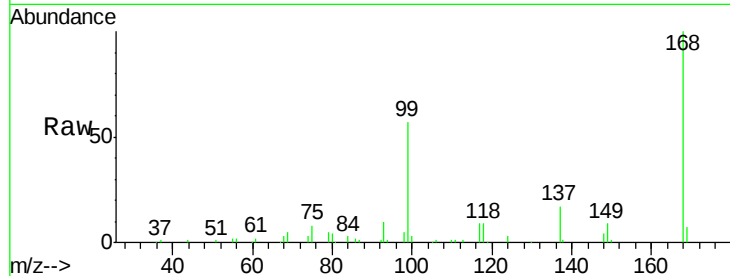
ClientSampleId :

Tot Ion:168 Resp: 386317

Ion Ratio Lower Upper

168 100

99 57.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

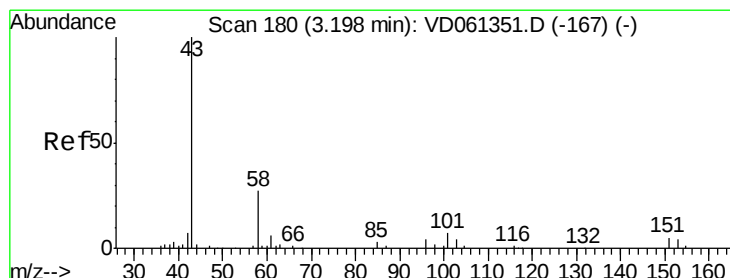
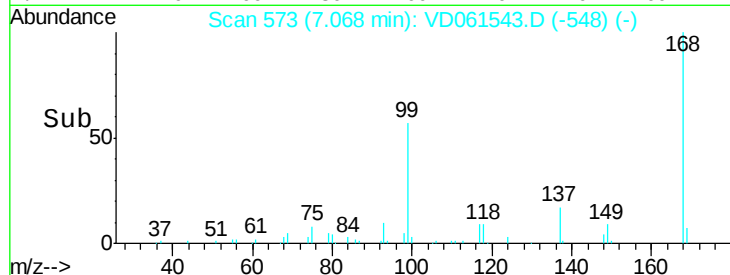
7.07

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 5.370 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061543.D

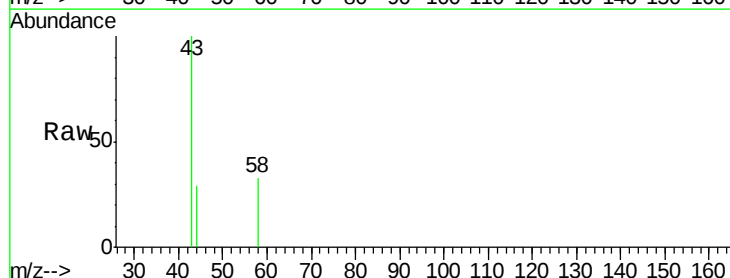
Acq: 3 Apr 2019 7:20

Tgt Ion: 43 Resp: 4556

Ion Ratio Lower Upper

43 100

58 32.7 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

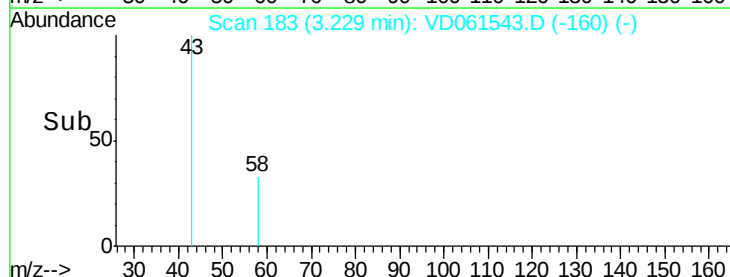
1500

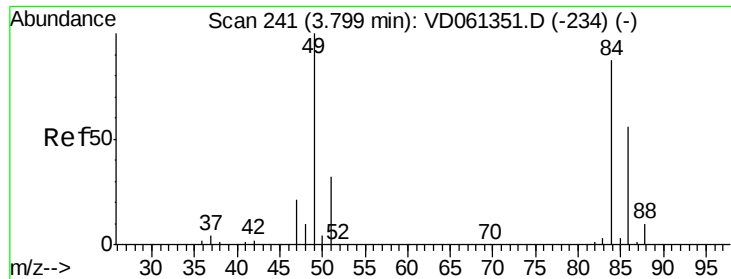
1000

500

0

Time--> 3.15 3.20 3.25 3.30

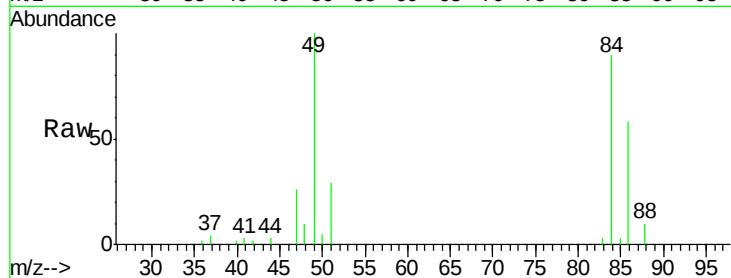




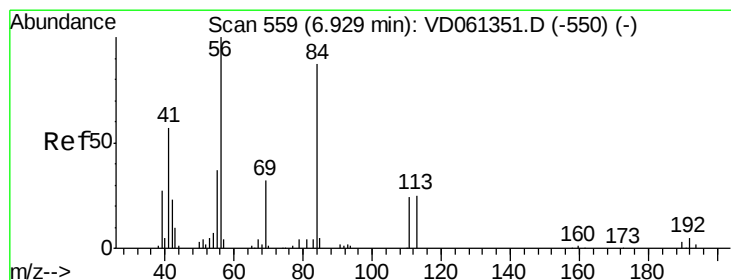
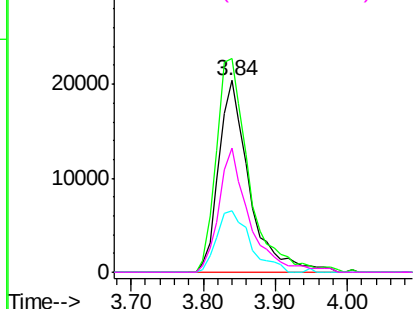
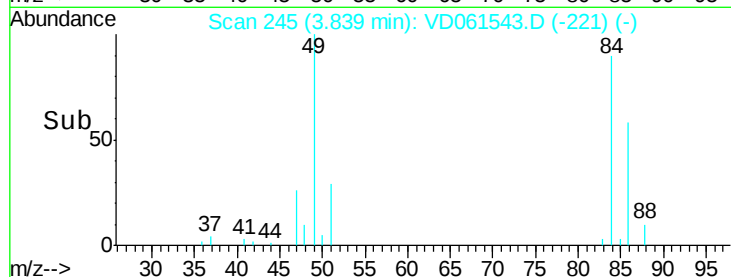
#20
Methylene Chloride
Concen: 11.175 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	60192
Ion	Ratio	Lower	Upper
84	100		
49	111.4	91.8	137.8
51	31.8	29.8	44.8
86	64.7	51.8	77.6

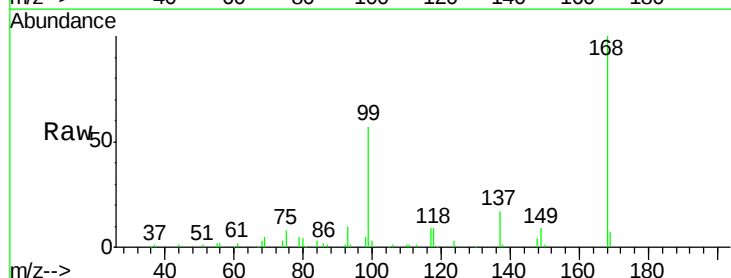


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

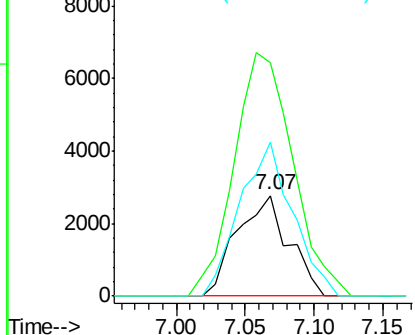
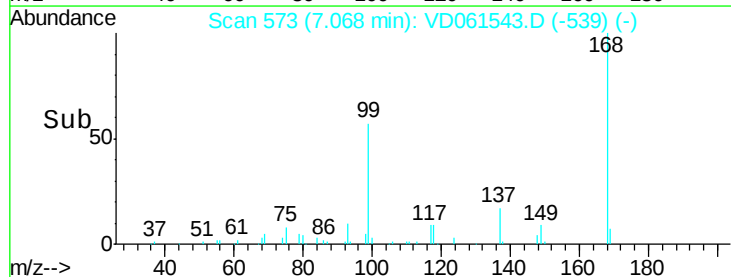


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.14 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Tgt Ion:	56	Resp:	7242
Ion	Ratio	Lower	Upper
56	100		
69	230.9	25.7	38.5#
84	152.3	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

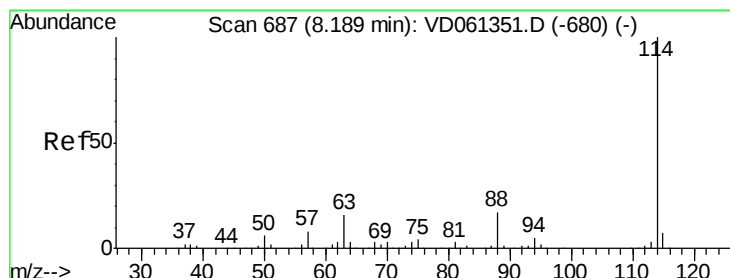
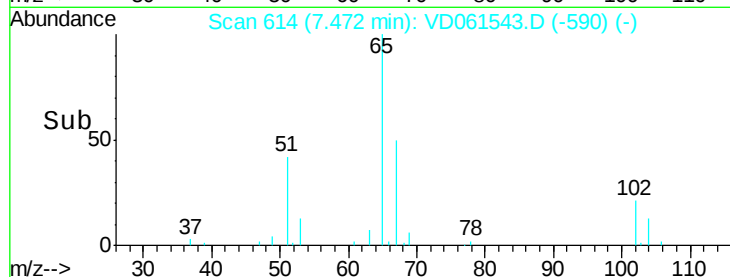
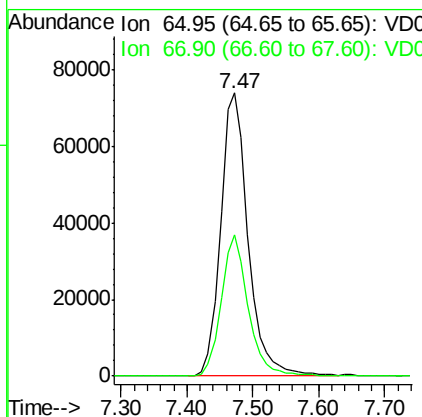
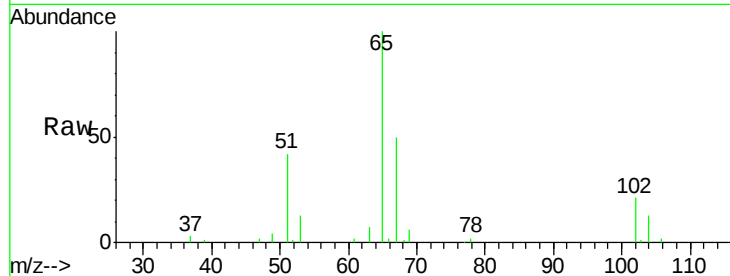




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

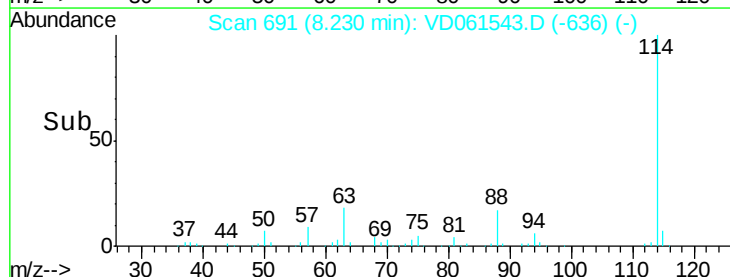
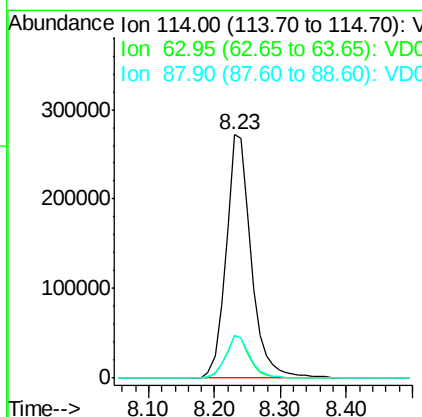
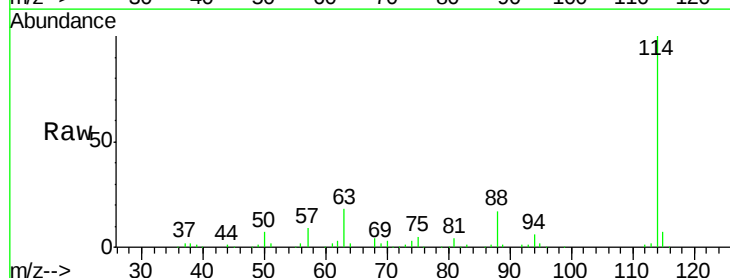
Instrument :
 MSVOA_D
 ClientSampled :

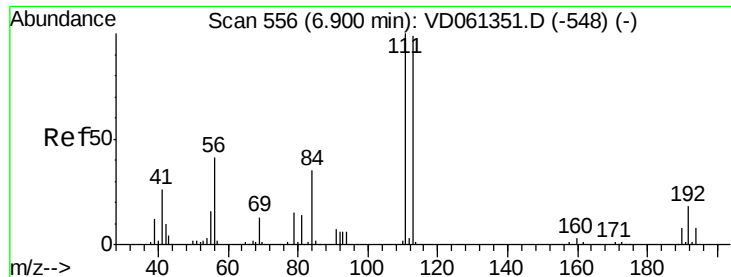
Tot Ion: 65 Resp: 214269
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

Tgt Ion: 114 Resp: 725515
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 31.6
 88 17.3 0.0 33.4

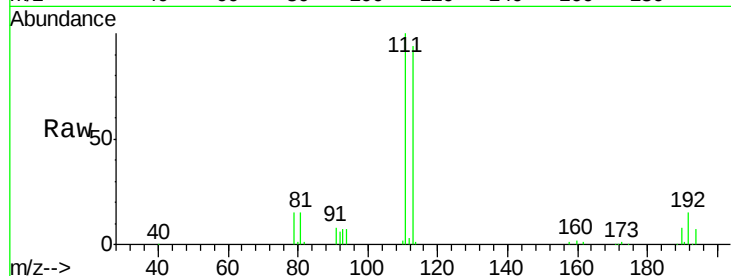




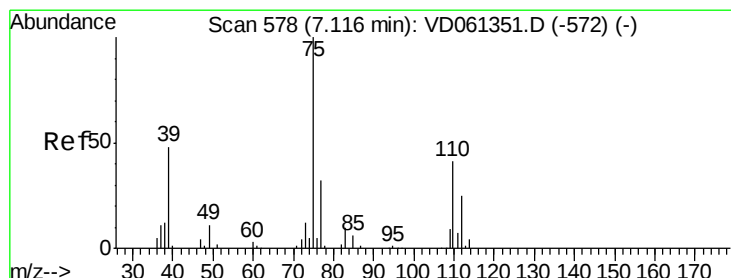
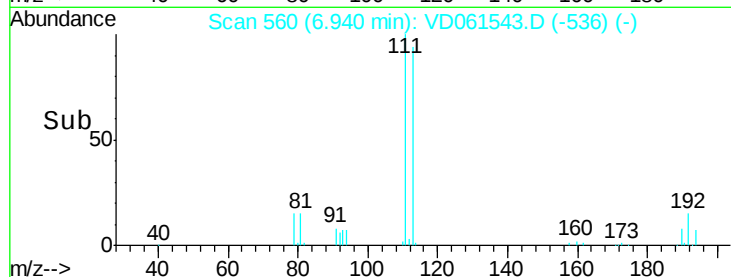
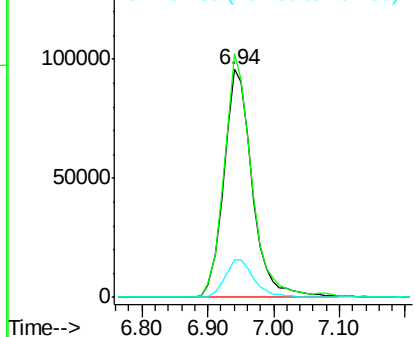
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 290574
 Ion Ratio Lower Upper
 113 100
 111 106.8 81.0 121.6
 192 16.4 14.4 21.6

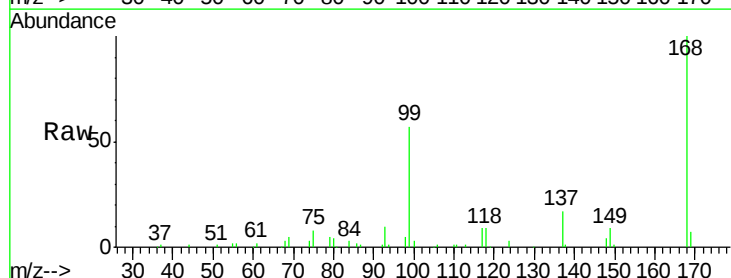


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

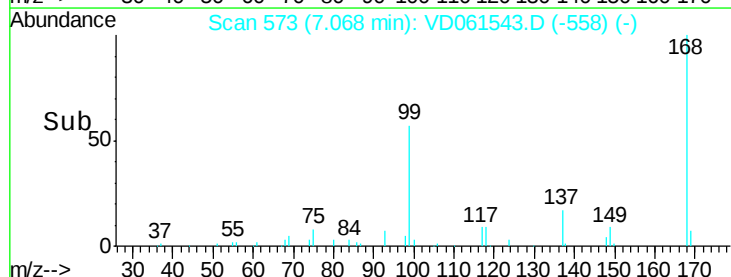
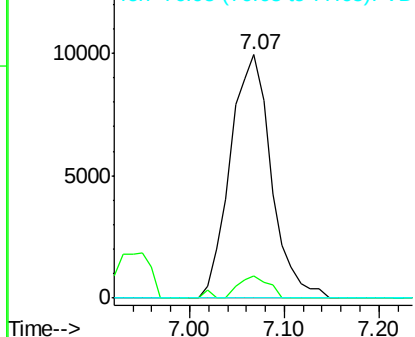


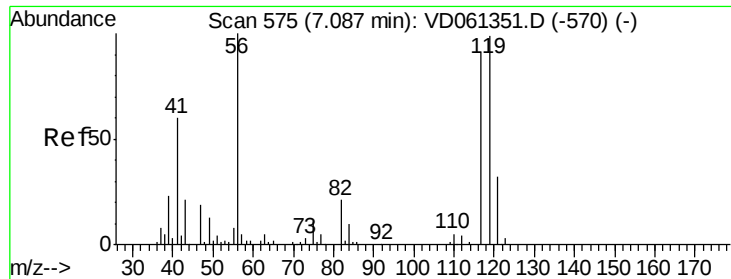
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061543.D
 Acq: 3 Apr 2019 7:20

Tgt Ion: 75 Resp: 29812
 Ion Ratio Lower Upper
 75 100
 110 9.0 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

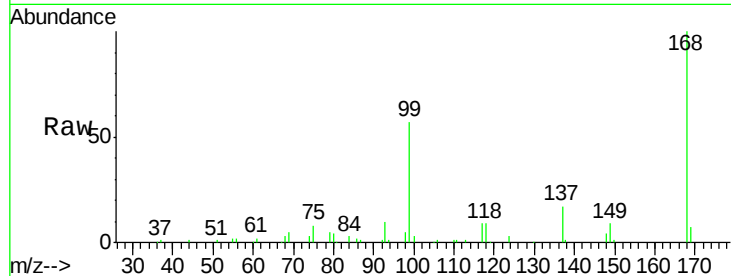




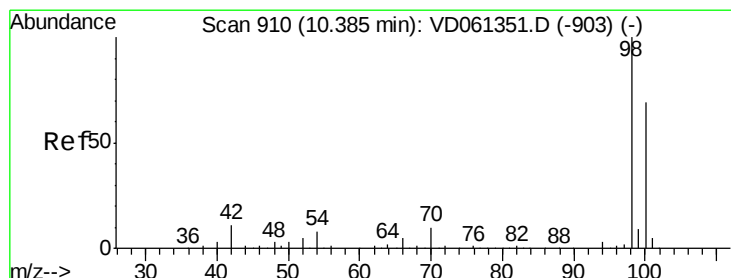
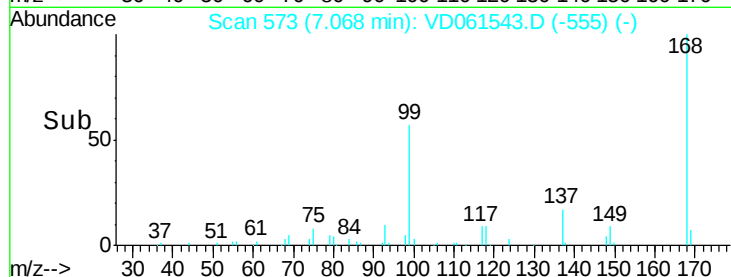
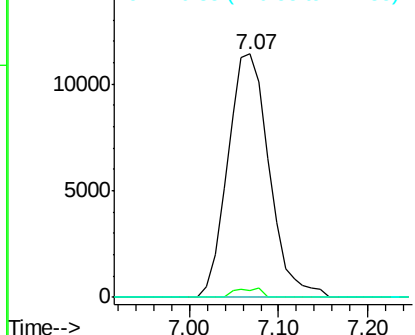
#38
Carbon Tetrachloride
Concen: 5.067 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.02 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 36868
Ion Ratio Lower Upper
117 100
119 3.0 80.1 120.1#
121 0.0 25.6 38.4#

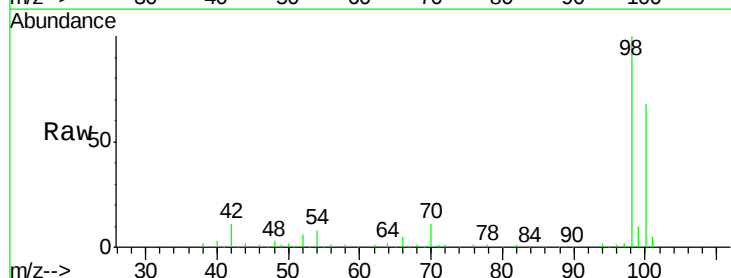


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

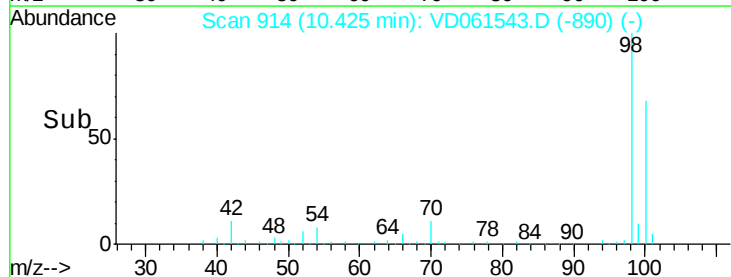
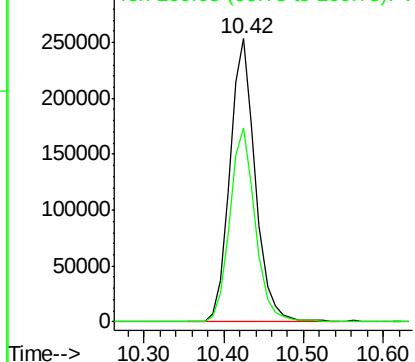


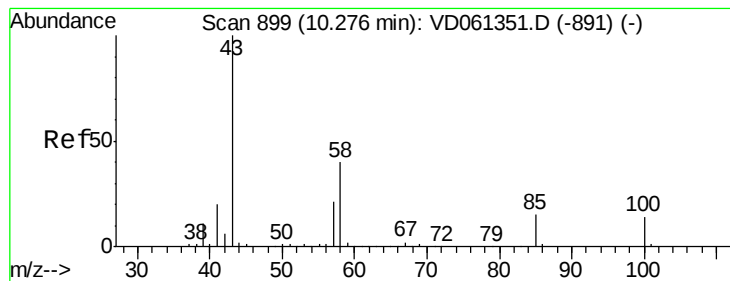
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Tgt Ion: 98 Resp: 565377
Ion Ratio Lower Upper
98 100
100 68.3 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.040 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.14 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

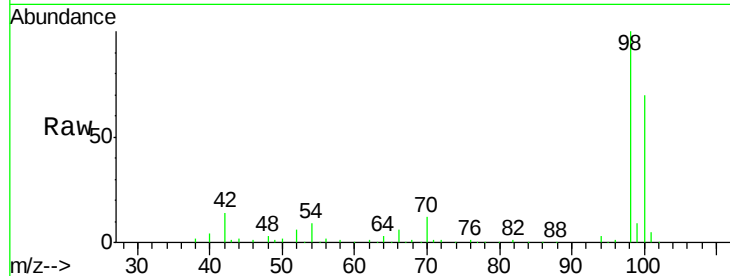
ClientSampleId :

Tot Ion: 43 Resp: 2494

Ion Ratio Lower Upper

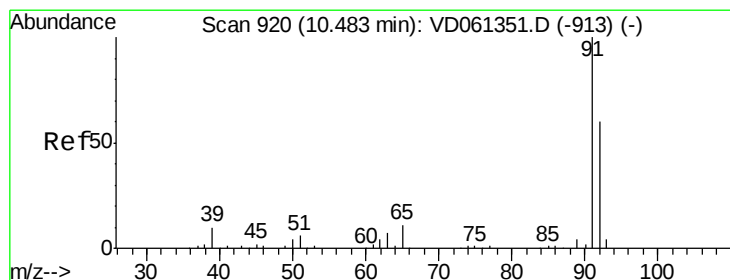
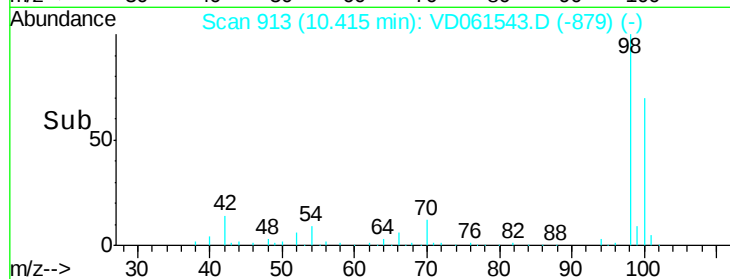
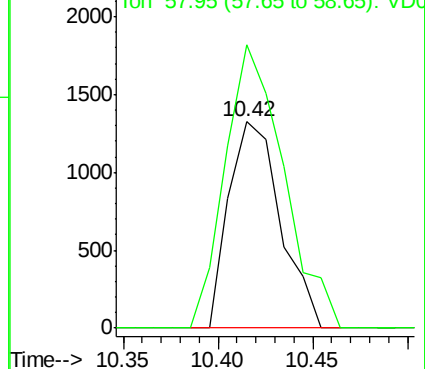
43 100

58 137.3 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.149 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061543.D

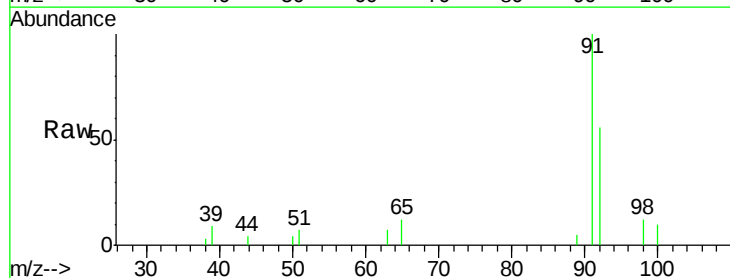
Acq: 3 Apr 2019 7:20

Tgt Ion: 92 Resp: 11142

Ion Ratio Lower Upper

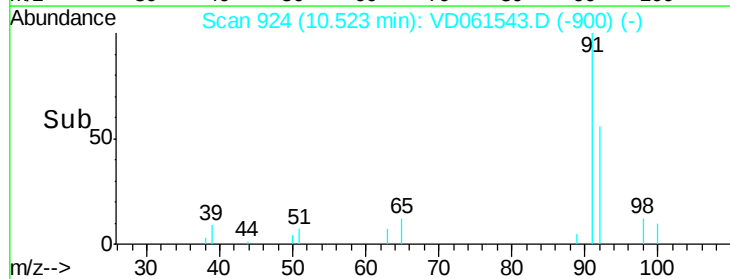
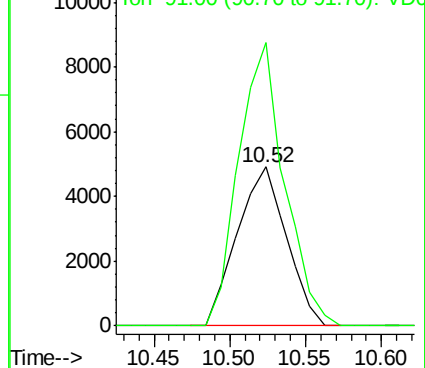
92 100

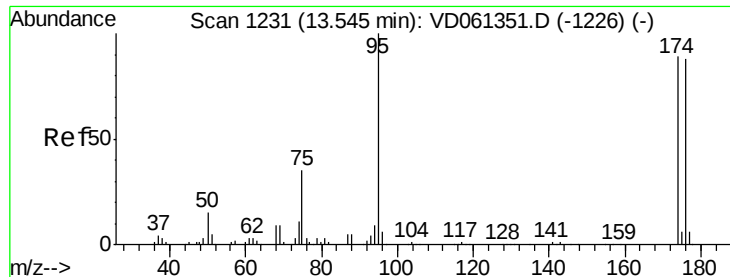
91 178.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

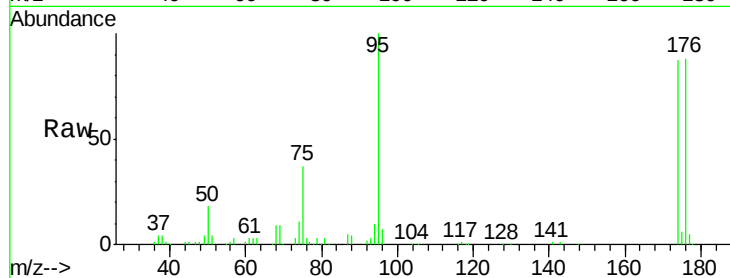




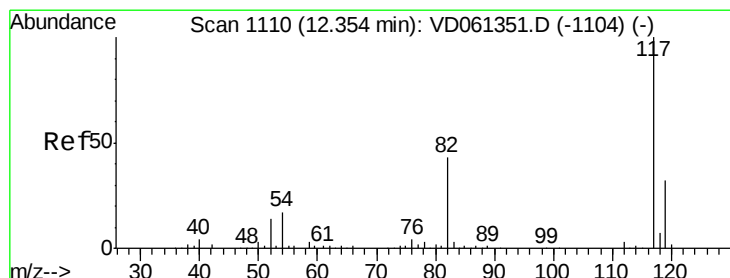
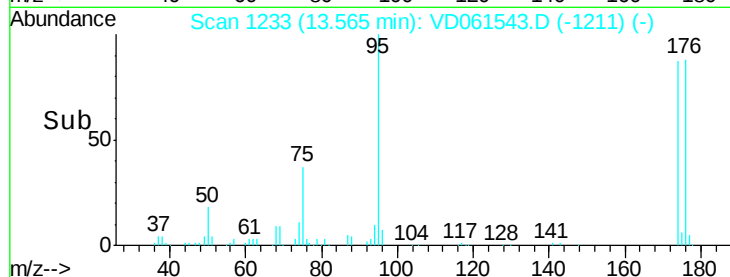
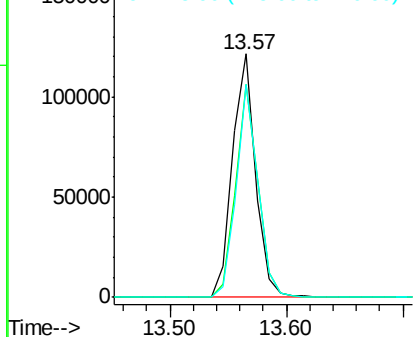
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 166104
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.0
176 87.6 0.0 175.0

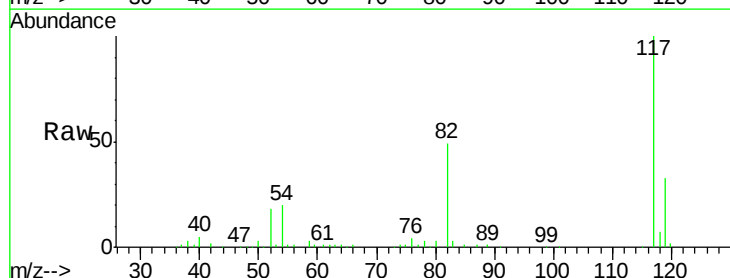


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

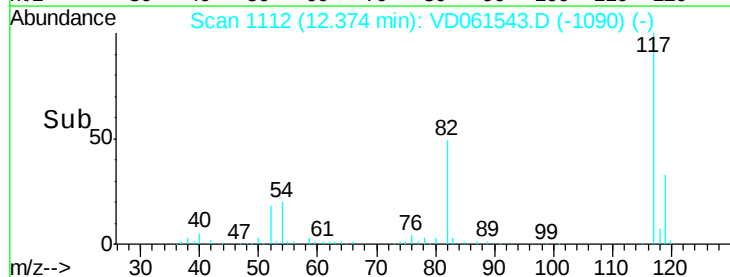
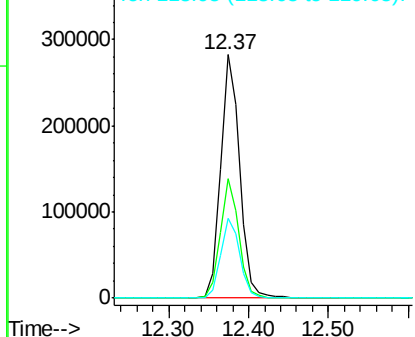


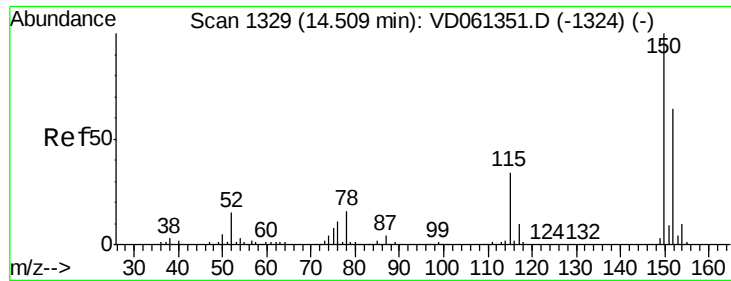
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061543.D
Acq: 3 Apr 2019 7:20

Tgt Ion: 117 Resp: 475670
Ion Ratio Lower Upper
117 100
82 49.2 34.4 51.6
119 32.8 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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

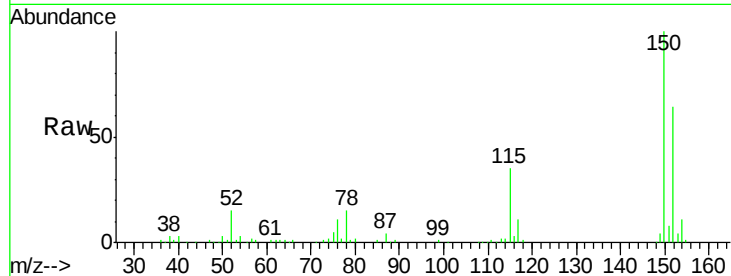
Tot Ion:152 Resp: 140264

Ion Ratio Lower Upper

152 100

115 54.4 26.9 80.6

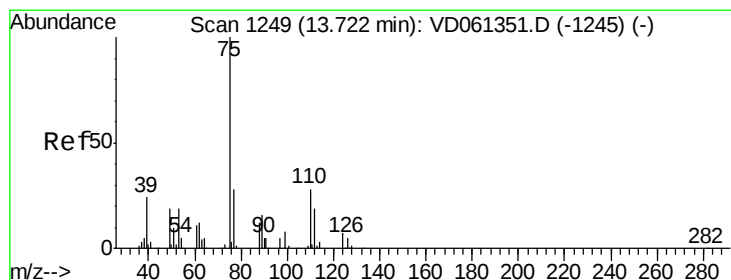
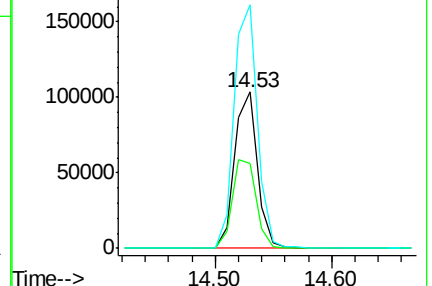
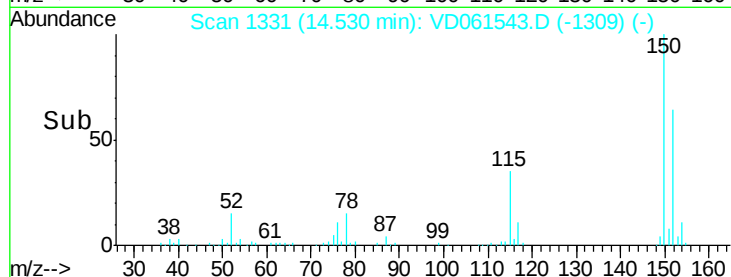
150 155.6 0.0 318.0



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: 28.906 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061543.D

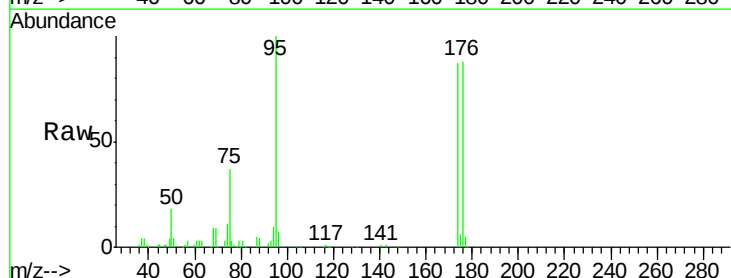
Acq: 3 Apr 2019 7:20

Tgt Ion: 75 Resp: 58567

Ion Ratio Lower Upper

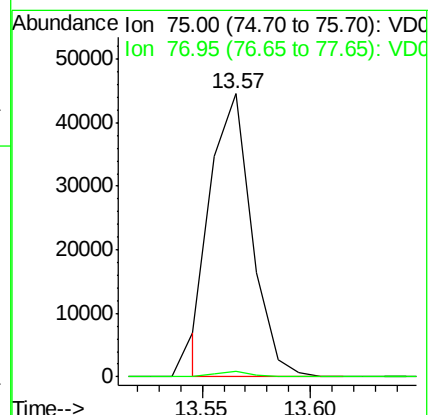
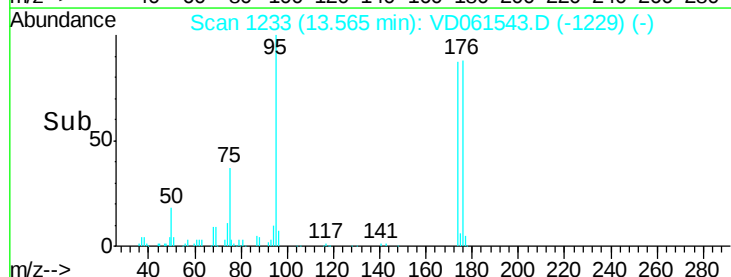
75 100

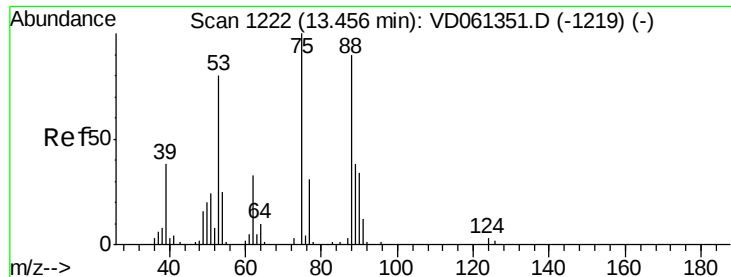
77 1.9 16.2 48.5#



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: 101.425 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061543.D

Acq: 3 Apr 2019 7:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 62658

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

