

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061572.D
 Acq On : 3 Apr 2019 22:58
 Operator : VA/AP
 Sample : K2190-04RE
 Misc : 5.51g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:52:40 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

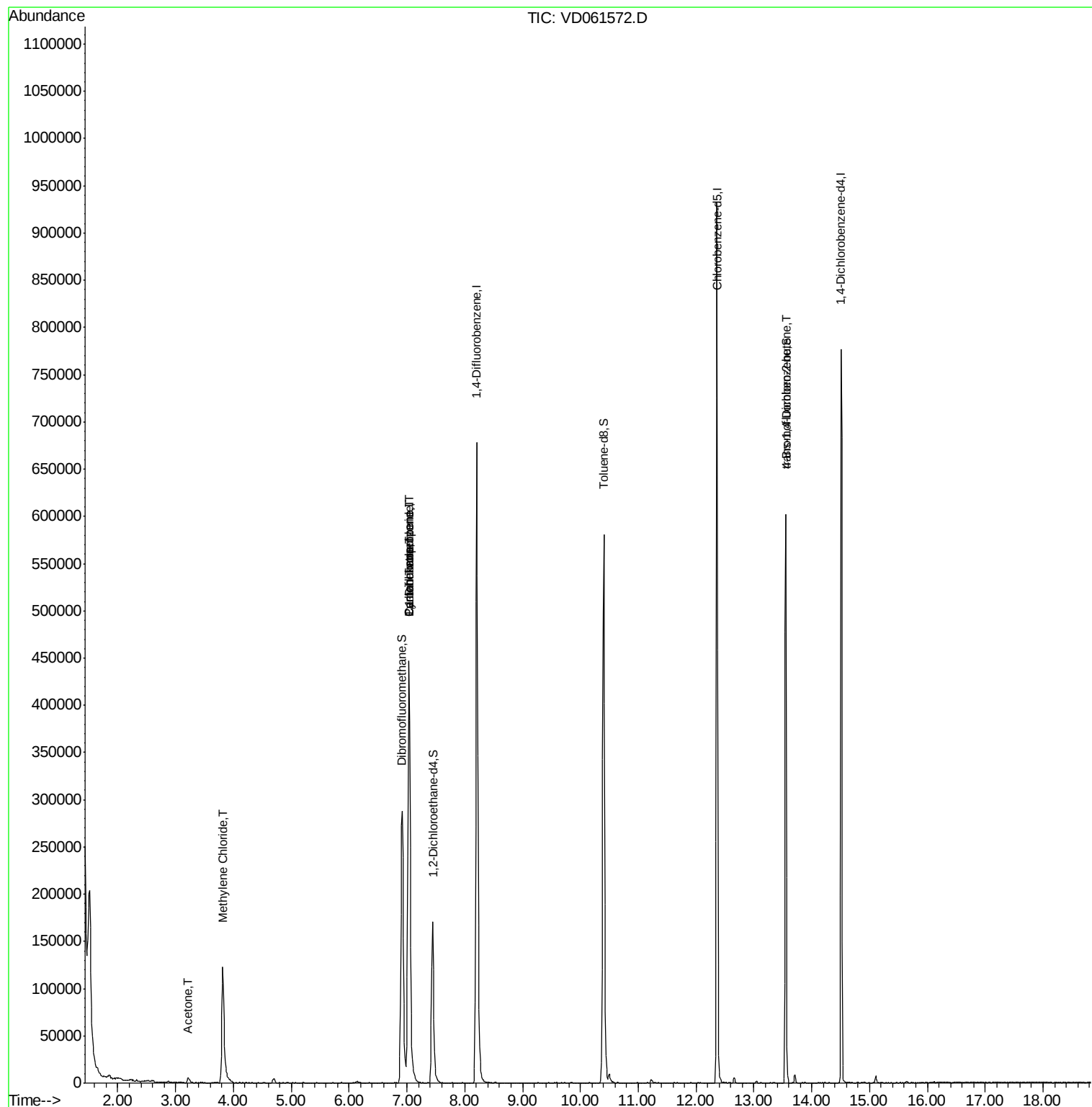
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	458962	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	781487	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	561526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	193488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	177835	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	6.91	113	280879	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
50) Toluene-d8	10.40	98	526442	36.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	73.50%	
62) 4-Bromofluorobenzene	13.55	95	192718	35.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.18%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	11963	11.870	ug/l #	79
20) Methylene Chloride	3.82	84	92467	15.035	ug/l	95
31) Cyclohexane	7.04	56	7627	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	34819	5.105	ug/l #	45
38) Carbon Tetrachloride	7.04	117	44459	5.673	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	72248	84.779	ug/l #	18

(#) = 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: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

Instrument :

MSVOA_D

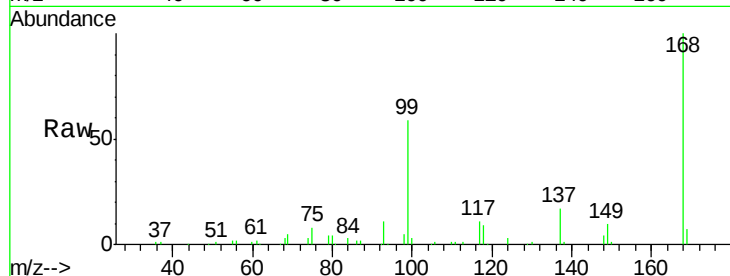
ClientSampleId :

Tot Ion:168 Resp: 458962

Ion Ratio Lower Upper

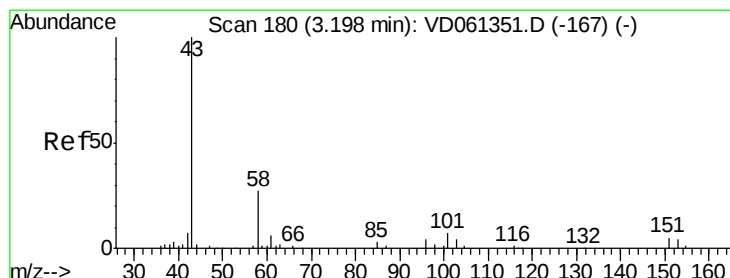
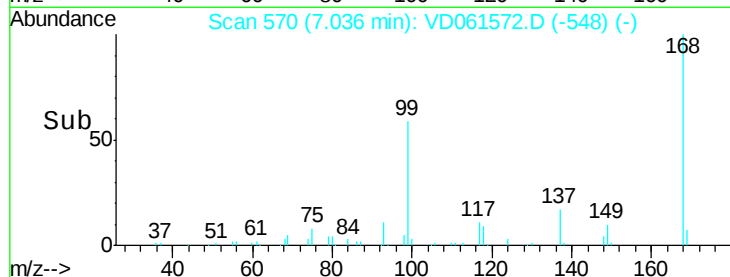
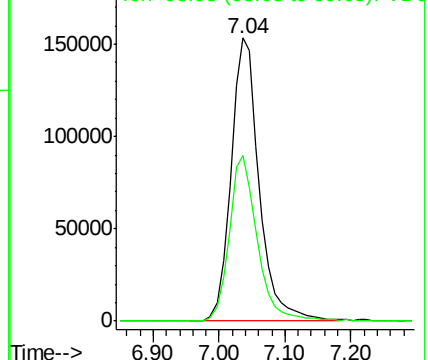
168 100

99 58.5 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: 11.870 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061572.D

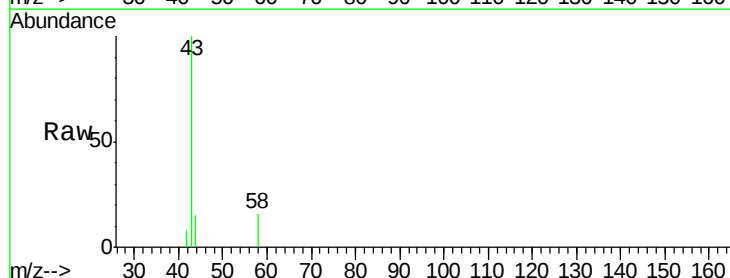
Acq: 3 Apr 2019 22:58

Tgt Ion: 43 Resp: 11963

Ion Ratio Lower Upper

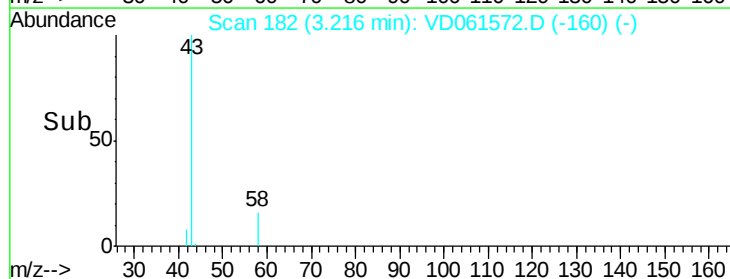
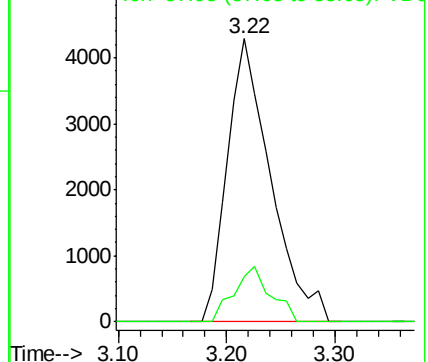
43 100

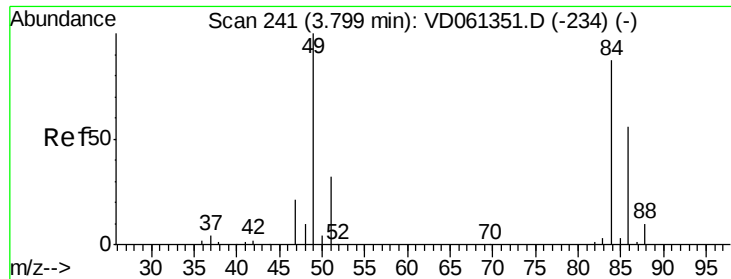
58 15.9 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

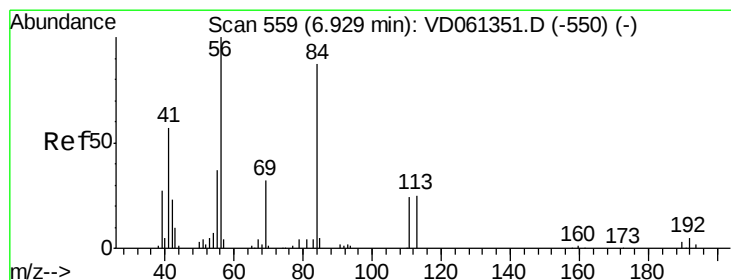
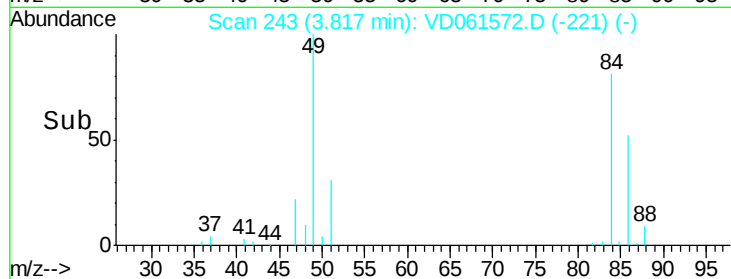
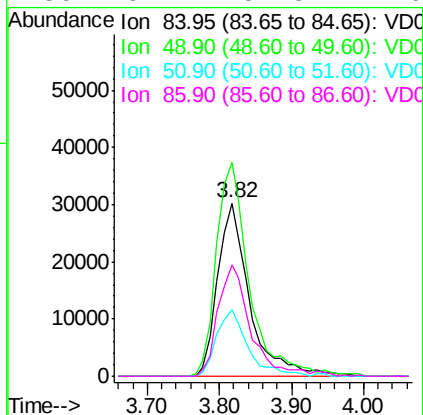
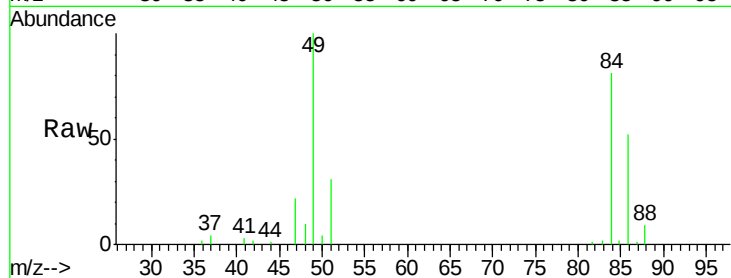




#20
Methylene Chloride
Concen: 15.035 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061572.D
Acq: 3 Apr 2019 22:58

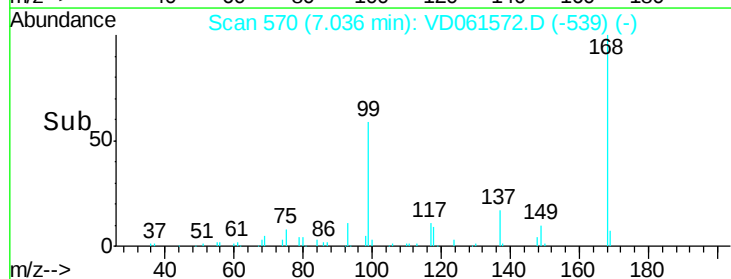
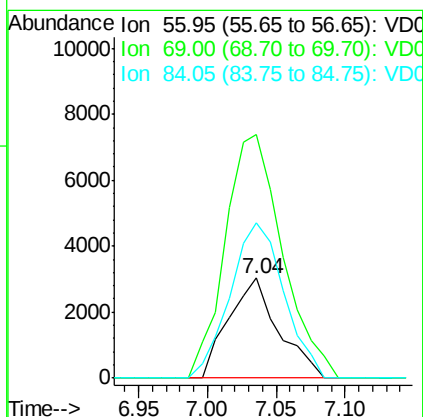
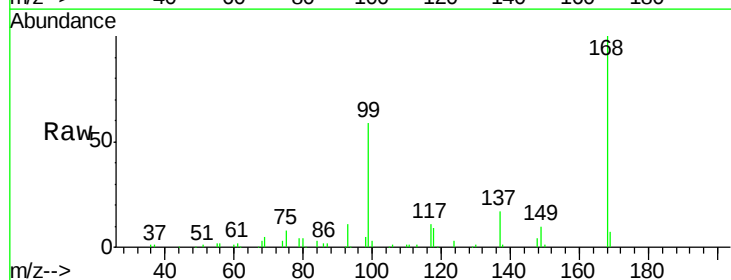
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 92467
Ion Ratio Lower Upper
84 100
49 123.5 91.8 137.8
51 38.6 29.8 44.8
86 64.7 51.8 77.6



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.11 min
Lab File: VD061572.D
Acq: 3 Apr 2019 22:58

Tgt Ion: 56 Resp: 7627
Ion Ratio Lower Upper
56 100
69 243.1 25.7 38.5#
84 154.9 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

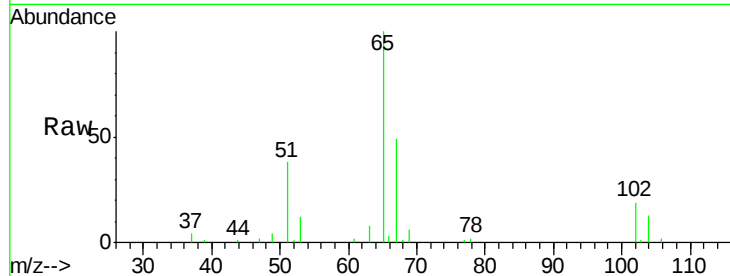
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 177835

Ion Ratio Lower Upper

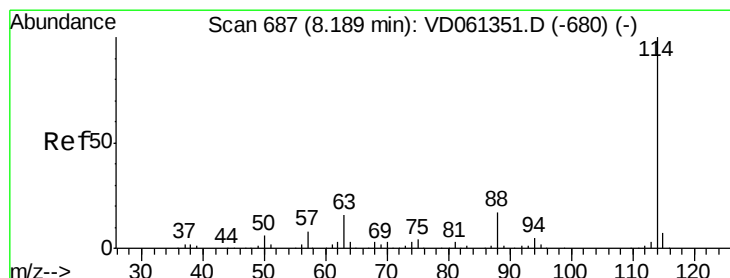
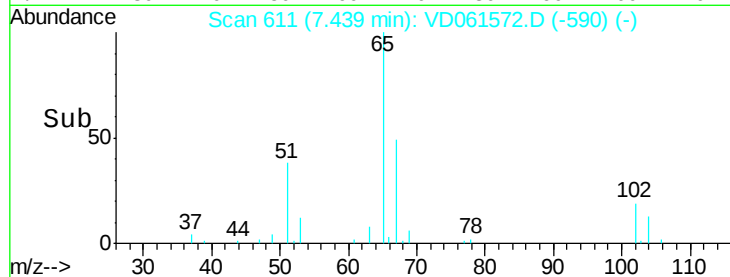
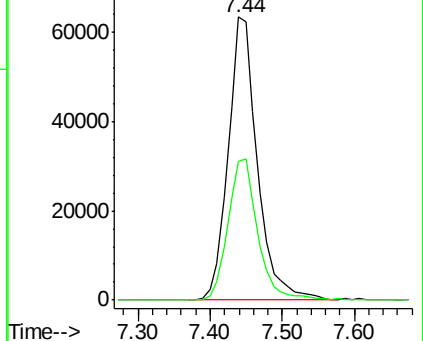
65 100

67 48.8 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# 689

Delta R.T. 0.02 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

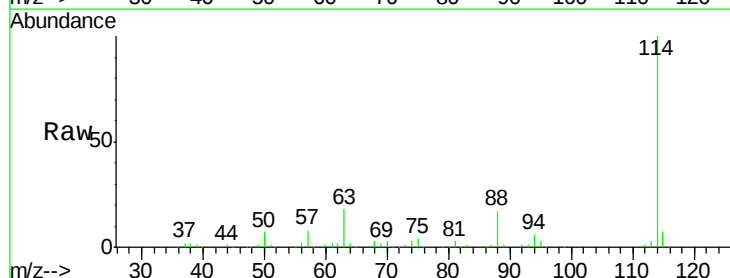
Tgt Ion:114 Resp: 781487

Ion Ratio Lower Upper

114 100

63 17.5 0.0 31.6

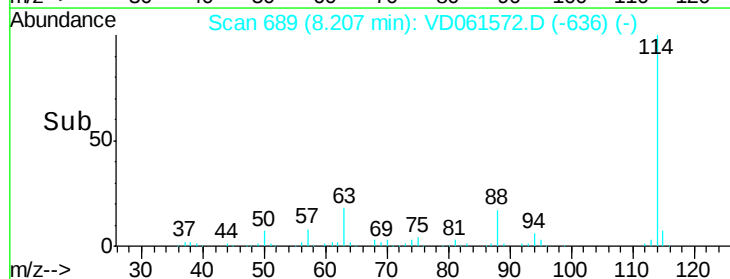
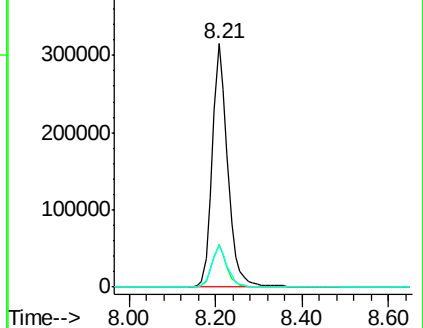
88 17.2 0.0 33.4



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

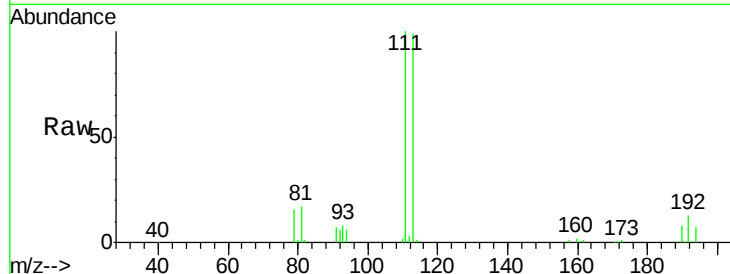




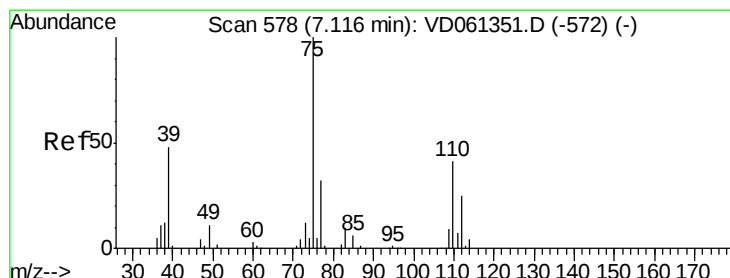
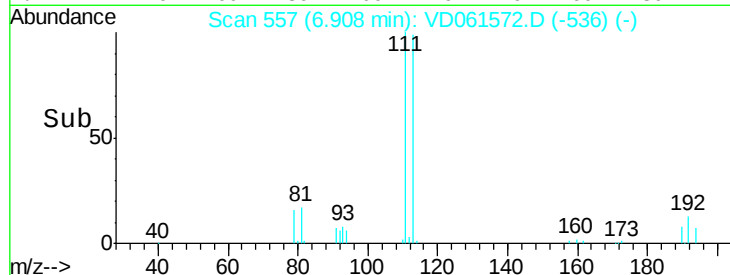
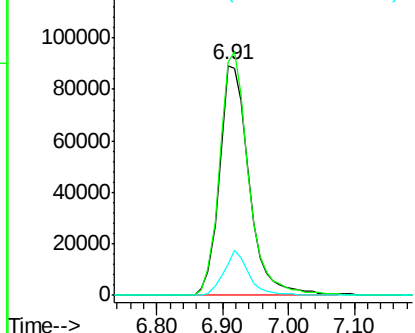
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061572.D
 Acq: 3 Apr 2019 22:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 280879
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.6
 192 13.6 14.4 21.6#

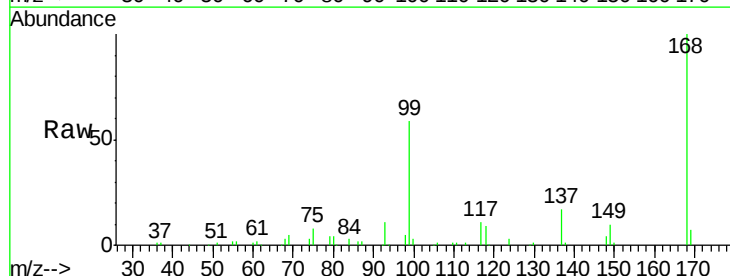


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

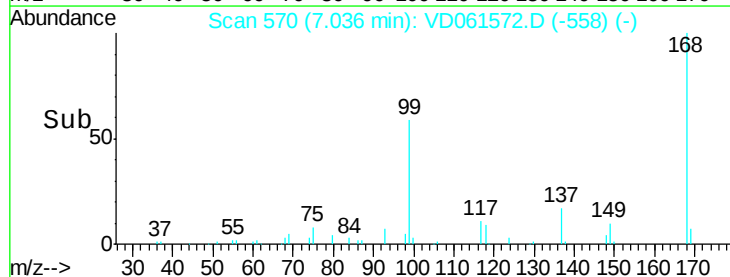
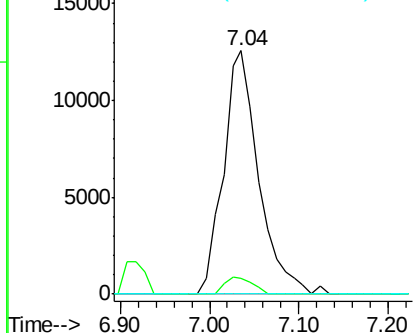


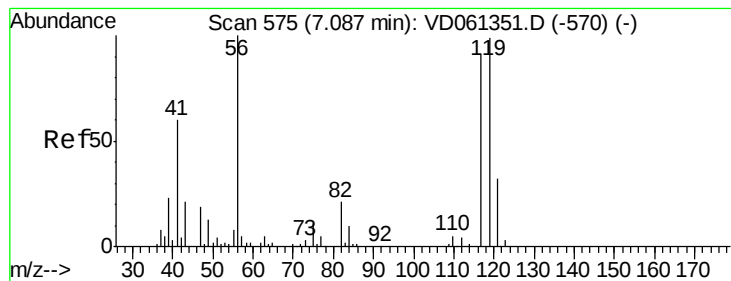
#36
 1,1-Dichloropropene
 Concen: 5.105 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061572.D
 Acq: 3 Apr 2019 22:58

Tgt Ion: 75 Resp: 34819
 Ion Ratio Lower Upper
 75 100
 110 6.7 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: 5.673 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

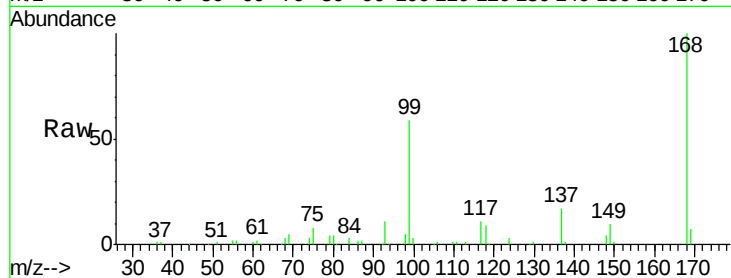
Tot Ion:117 Resp: 44459

Ion Ratio Lower Upper

117 100

119 4.1 80.1 120.1#

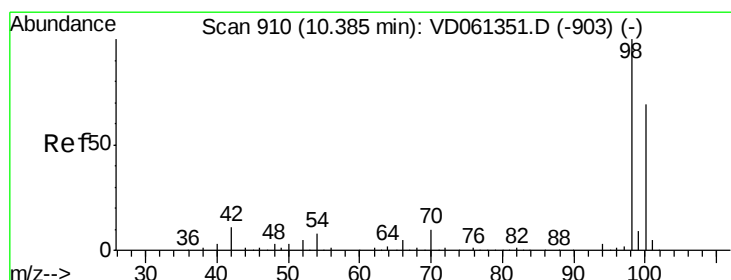
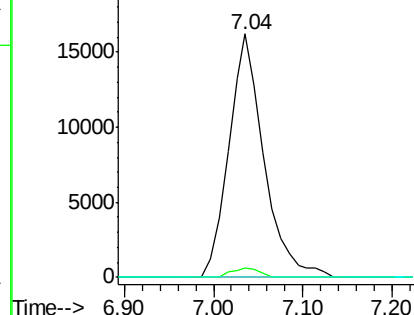
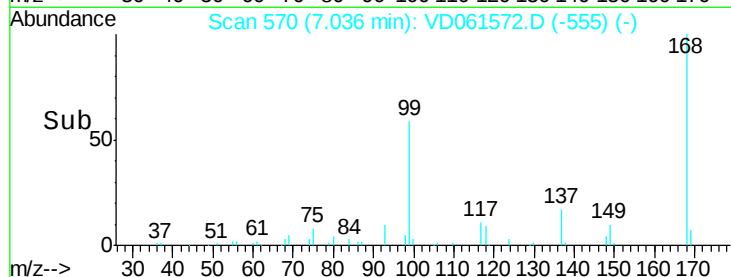
121 0.0 25.6 38.4#



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: VD061572.D

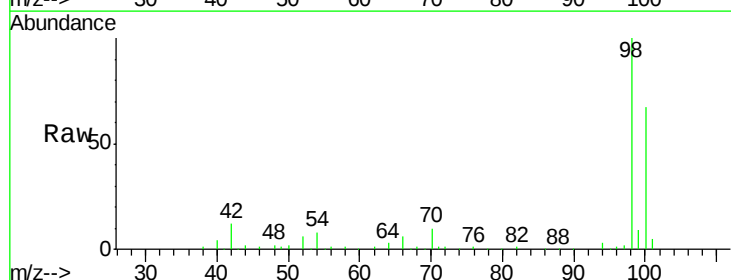
Acq: 3 Apr 2019 22:58

Tgt Ion: 98 Resp: 526442

Ion Ratio Lower Upper

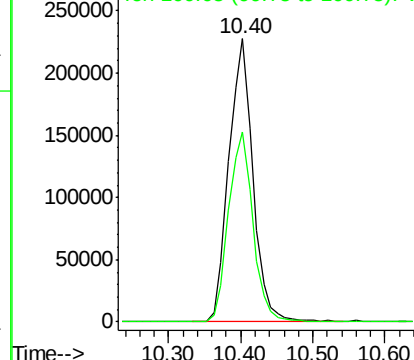
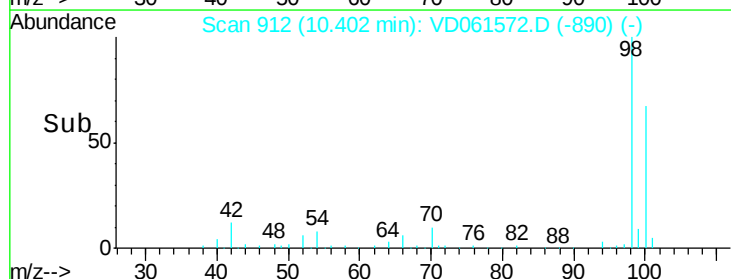
98 100

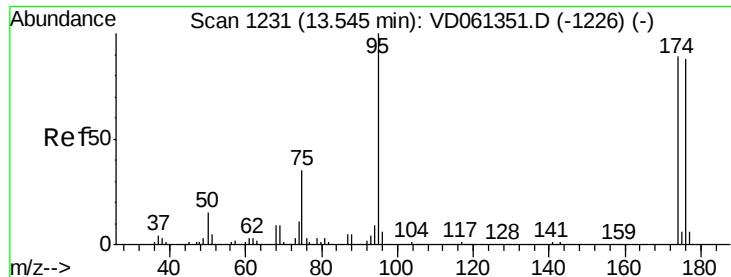
100 67.0 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

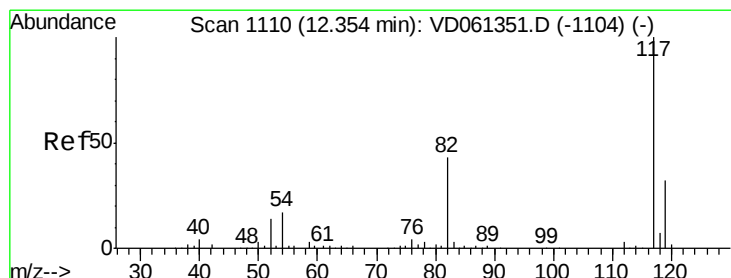
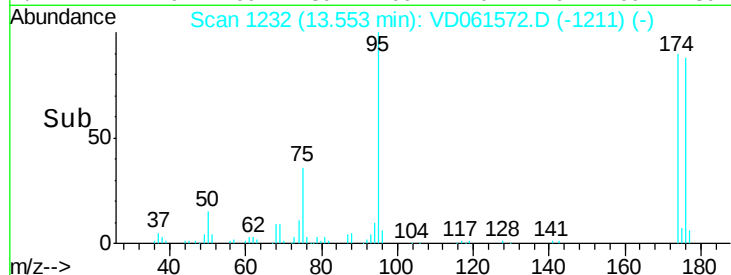
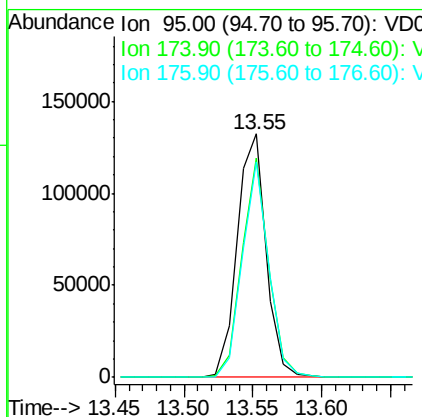
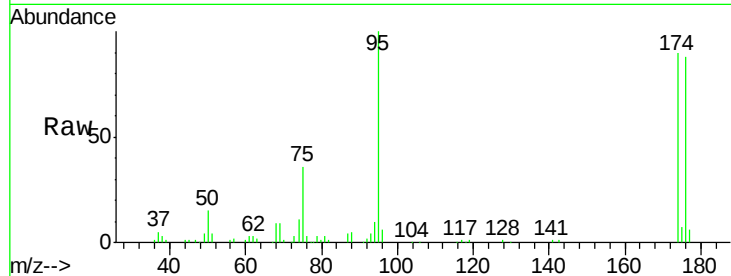




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061572.D
Acq: 3 Apr 2019 22:58

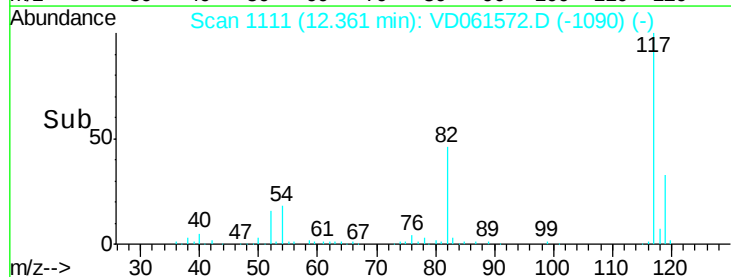
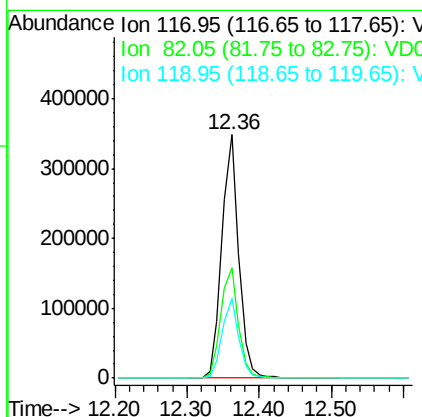
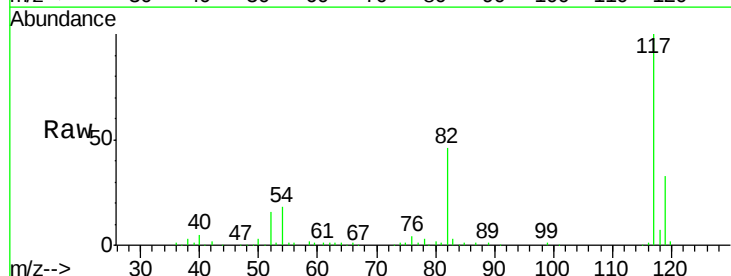
Instrument :
MSVOA_D
ClientSampleId :

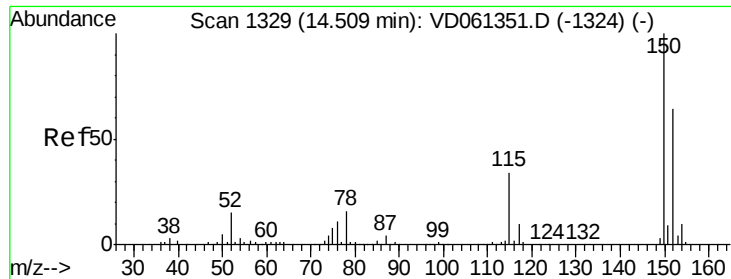
Tot Ion: 95 Resp: 192718
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.0
176 88.4 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061572.D
Acq: 3 Apr 2019 22:58

Tgt Ion: 117 Resp: 561526
Ion Ratio Lower Upper
117 100
82 45.6 34.4 51.6
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

Instrument :

MSVOA_D

ClientSampleId :

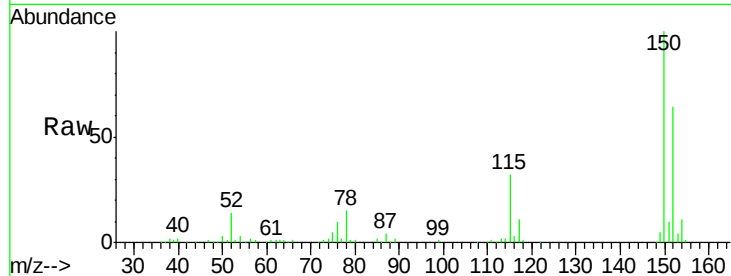
Tot Ion:152 Resp: 193488

Ion Ratio Lower Upper

152 100

115 49.5 26.9 80.6

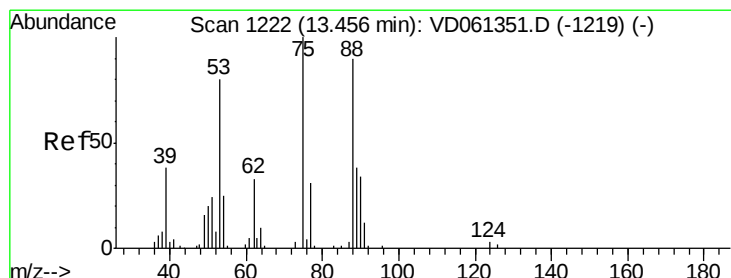
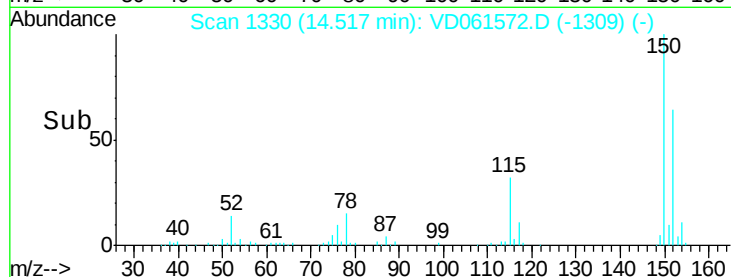
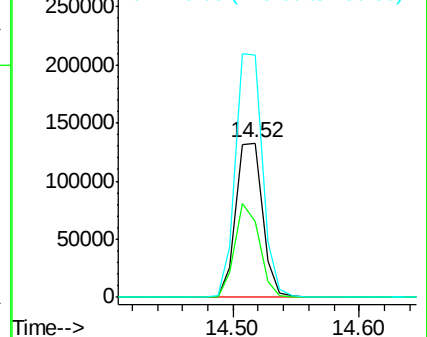
150 156.6 0.0 318.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 84.779 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061572.D

Acq: 3 Apr 2019 22:58

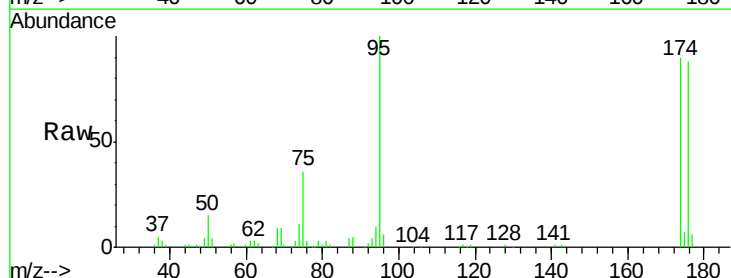
Tgt Ion: 75 Resp: 72248

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

