

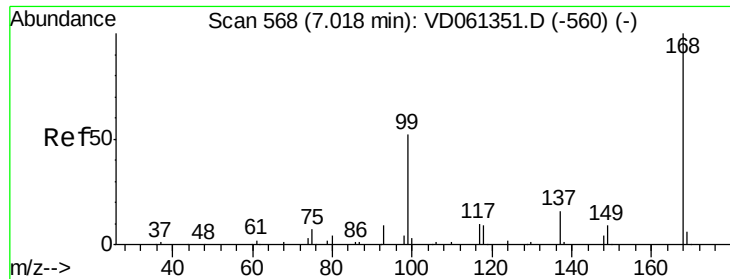
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061587.D
 Acq On : 4 Apr 2019 19:03
 Operator : VA/AP
 Sample : K2245-14
 Misc : 5.61g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:39:47 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	7.02	168	436689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	824309	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	656937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	291436	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	178411	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	6.90	113	277604	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
50) Toluene-d8	10.39	98	590905	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	
62) 4-Bromofluorobenzene	13.55	95	240600	41.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.06%	
Target Compounds						
8) Diethyl Ether	2.85	74	1972	1.206	ug/l	85
16) Acetone	3.20	43	26413	27.544	ug/l #	84
20) Methylene Chloride	3.79	84	66746	10.924	ug/l	96
31) Cyclohexane	7.01	56	6891	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	30669	4.263	ug/l #	45
38) Carbon Tetrachloride	7.02	117	41199	4.984	ug/l #	15
52) Toluene	10.48	92	15173	1.377	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.54	75	90376	70.409	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061587.D

Acq: 4 Apr 2019 19:03

Instrument :

MSVOA_D

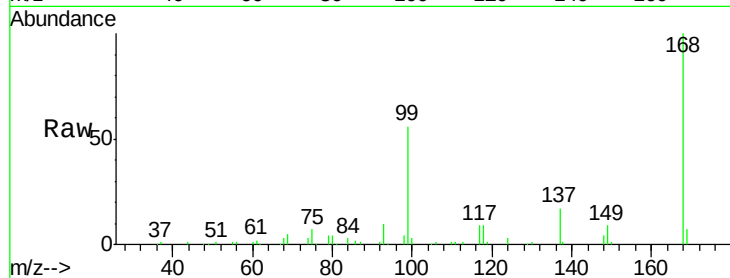
ClientSampleId :

Tot Ion:168 Resp: 436689

Ion Ratio Lower Upper

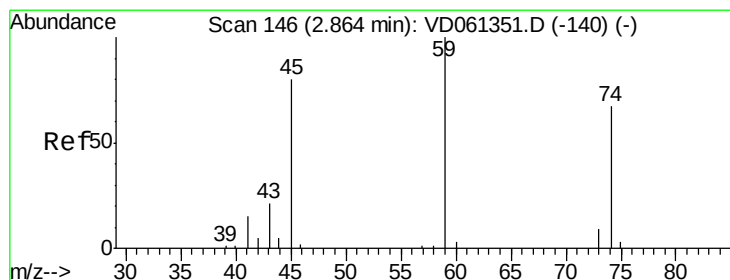
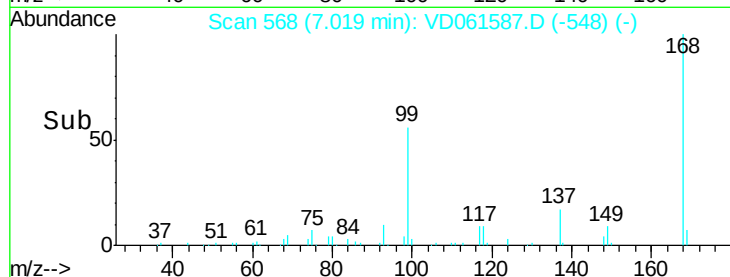
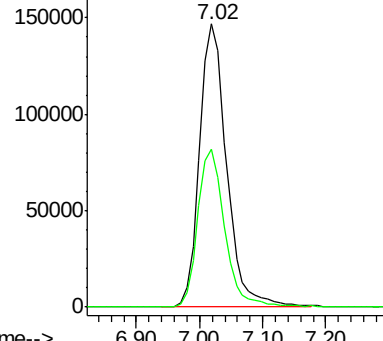
168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.206 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD061587.D

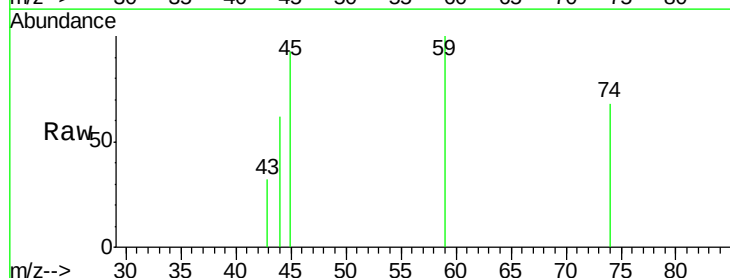
Acq: 4 Apr 2019 19:03

Tgt Ion: 74 Resp: 1972

Ion Ratio Lower Upper

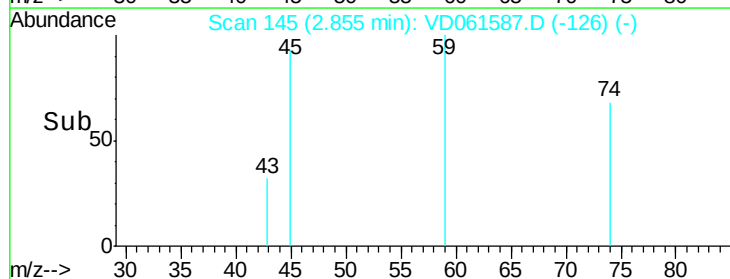
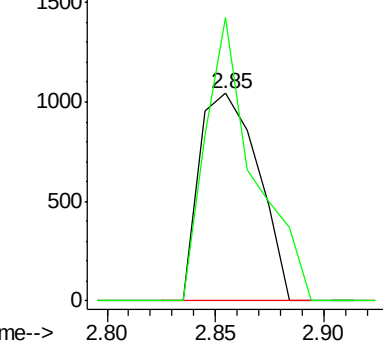
74 100

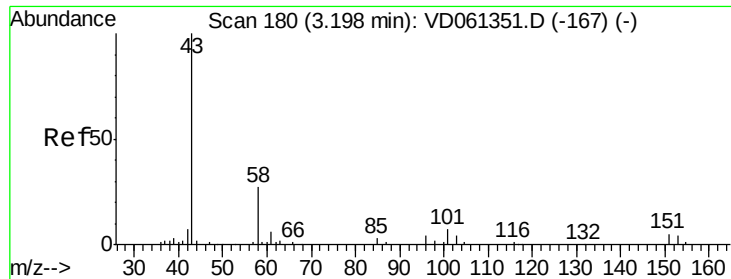
45 136.4 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 27.544 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD061587.D

Acq: 4 Apr 2019 19:03

Instrument :

MSVOA_D

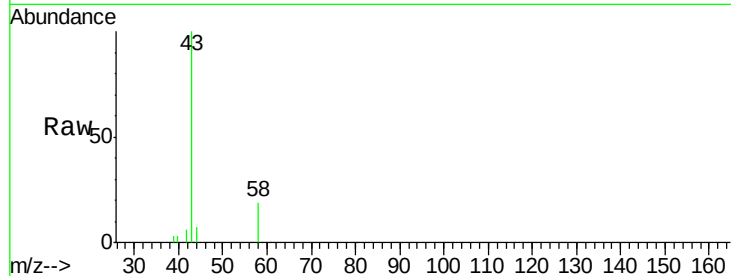
ClientSampleId :

Tot Ion: 43 Resp: 26413

Ion Ratio Lower Upper

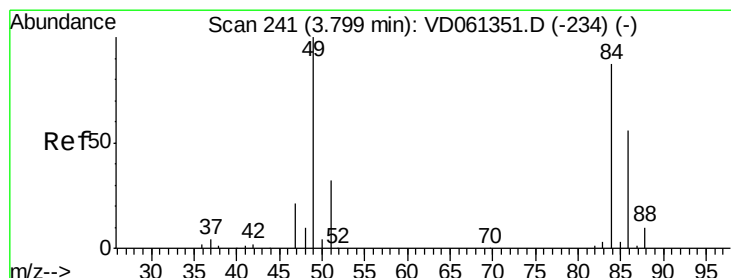
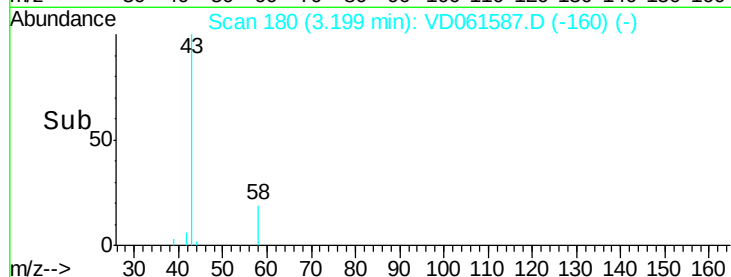
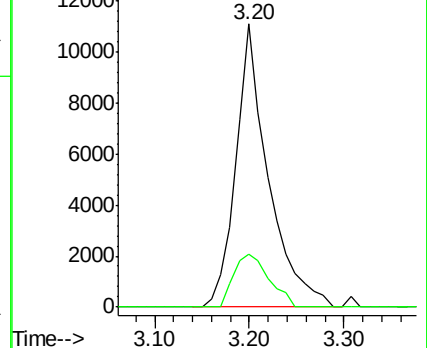
43 100

58 18.6 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: 10.924 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD061587.D

Acq: 4 Apr 2019 19:03

Tgt Ion: 84 Resp: 66746

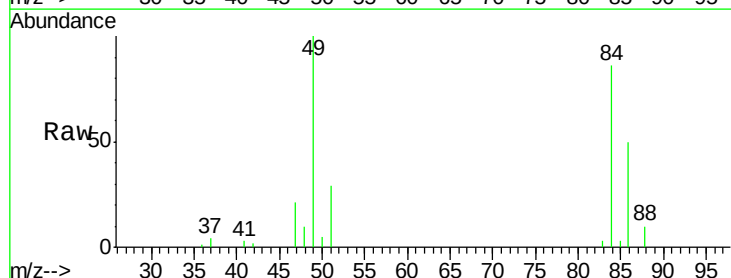
Ion Ratio Lower Upper

84 100

49 116.7 91.8 137.8

51 33.3 29.8 44.8

86 58.7 51.8 77.6

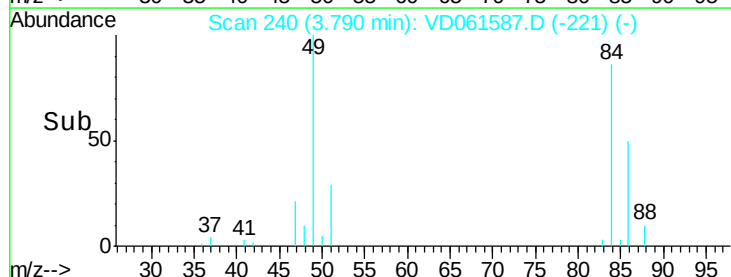
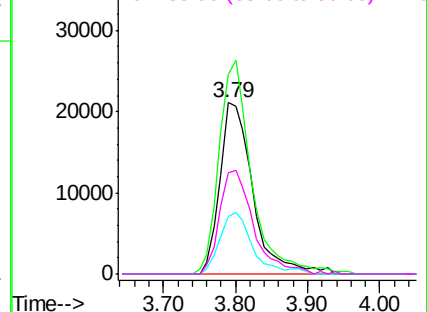


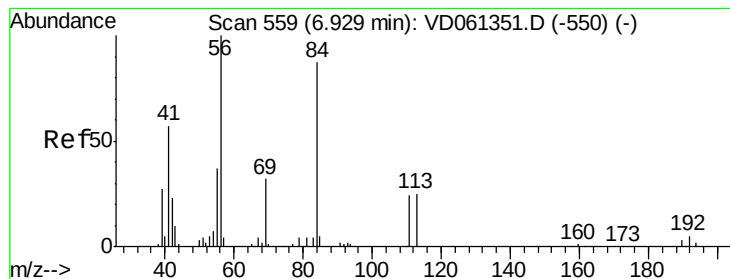
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.073 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.08 min

Lab File: VD061587.D

Acq: 4 Apr 2019 19:03

Instrument :

MSVOA_D

ClientSampled :

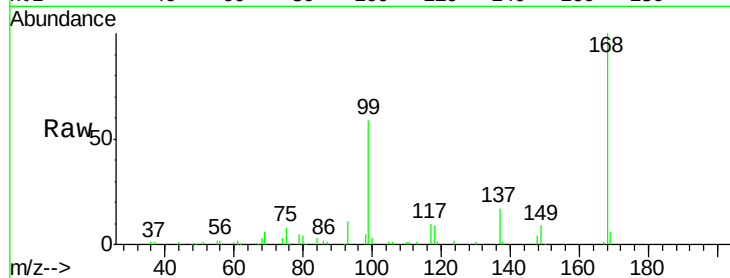
Tot Ion: 56 Resp: 6891

Ion Ratio Lower Upper

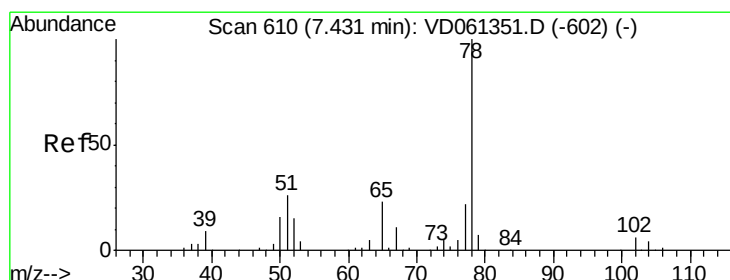
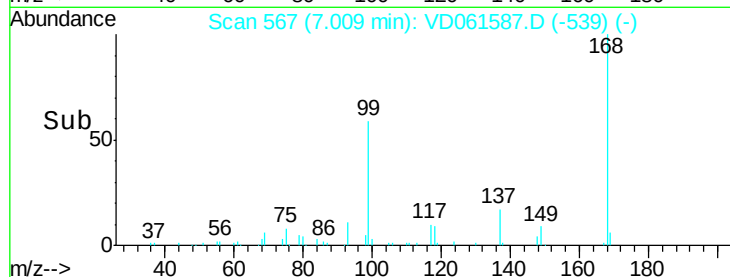
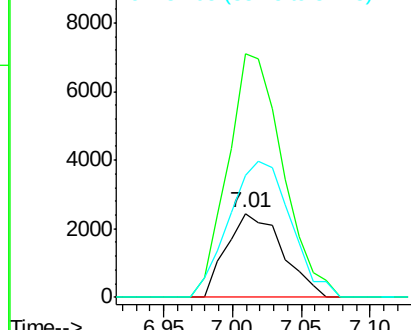
56 100

69 290.5 25.7 38.5#

84 145.3 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: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061587.D

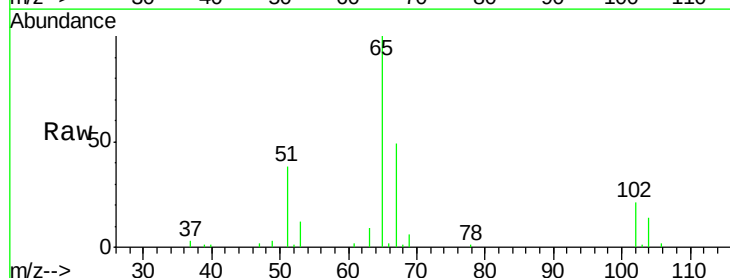
Acq: 4 Apr 2019 19:03

Tgt Ion: 65 Resp: 178411

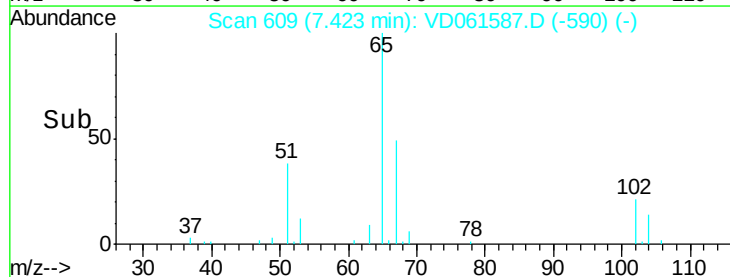
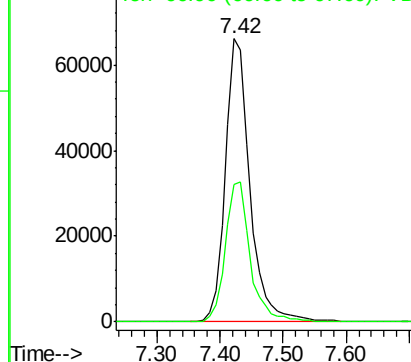
Ion Ratio Lower Upper

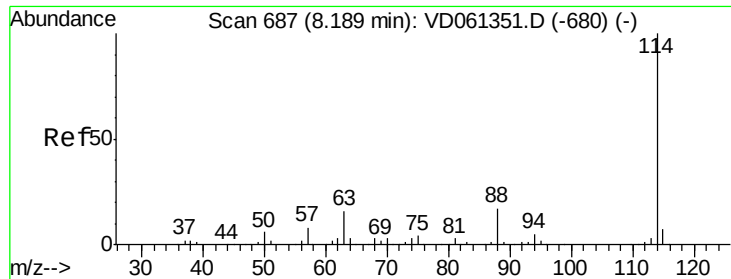
65 100

67 48.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

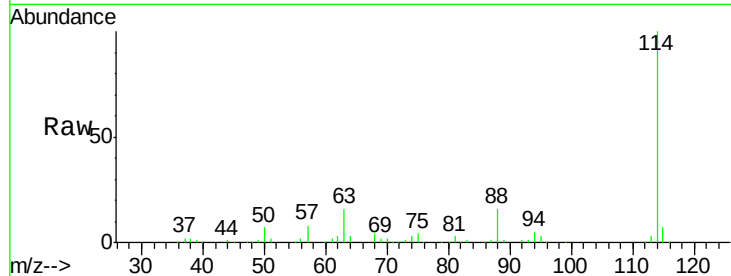




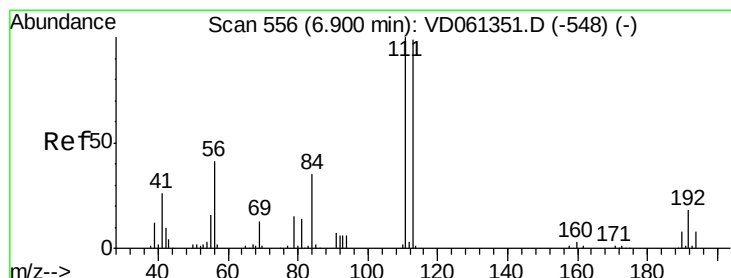
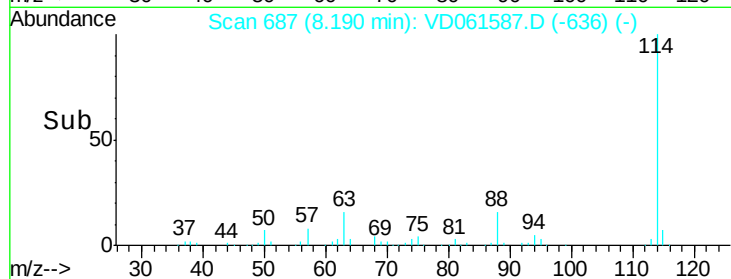
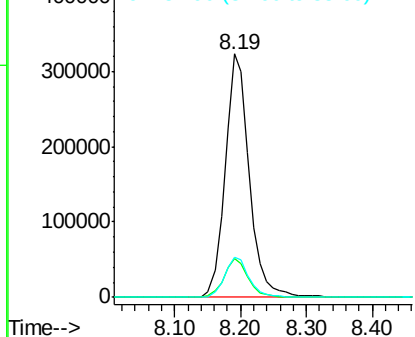
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 824309
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.3 0.0 33.4

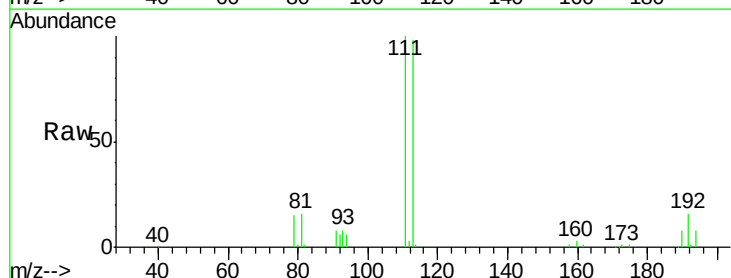


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

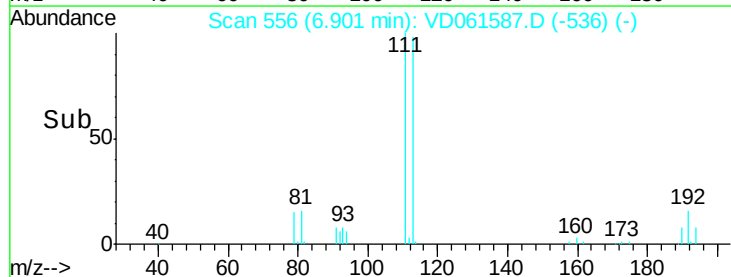
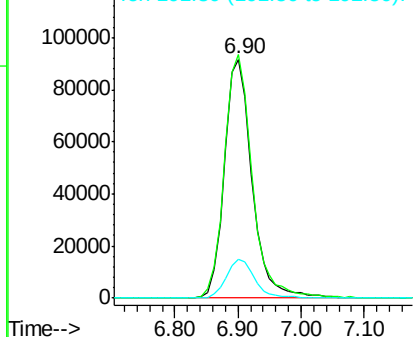


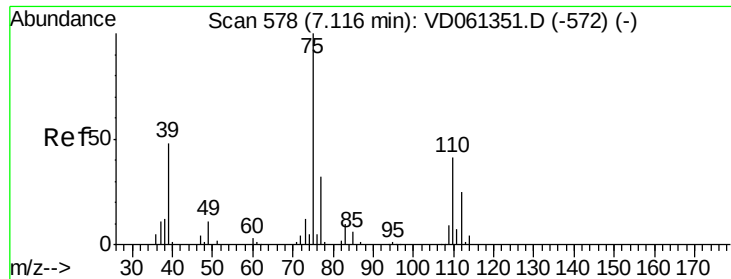
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

Tgt Ion:113 Resp: 277604
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.0 121.6
 192 16.1 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

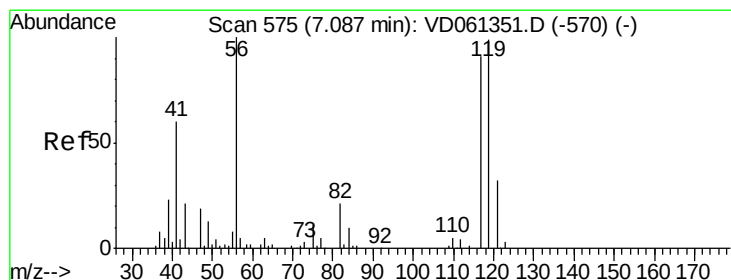
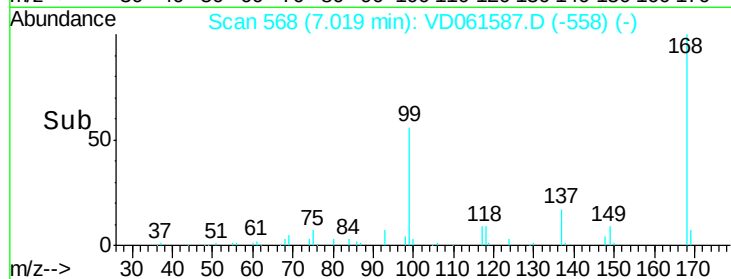
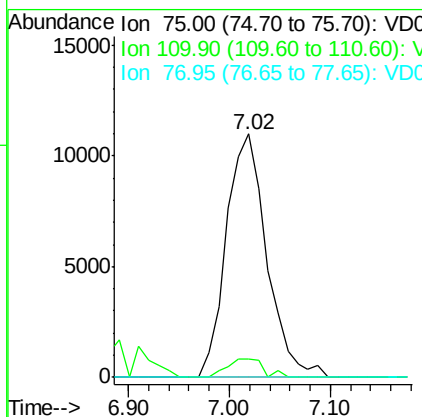
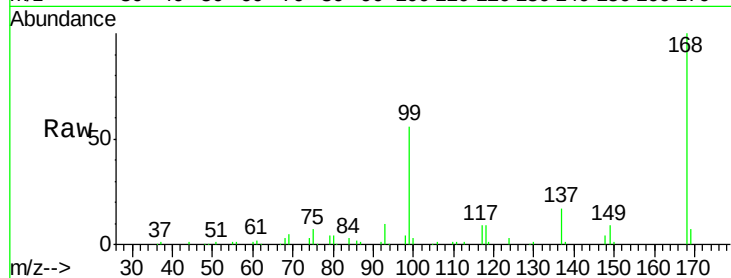




#36
 1,1-Dichloropropene
 Concen: 4.263 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

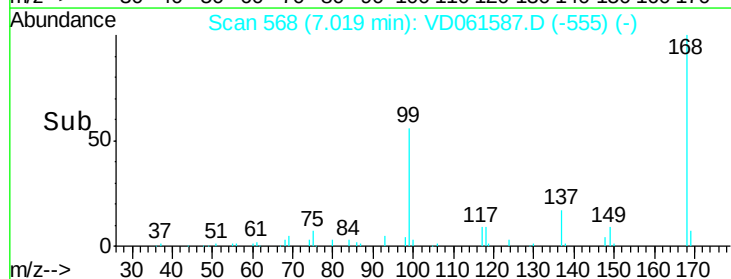
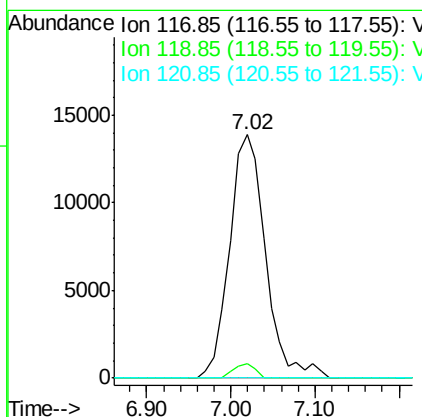
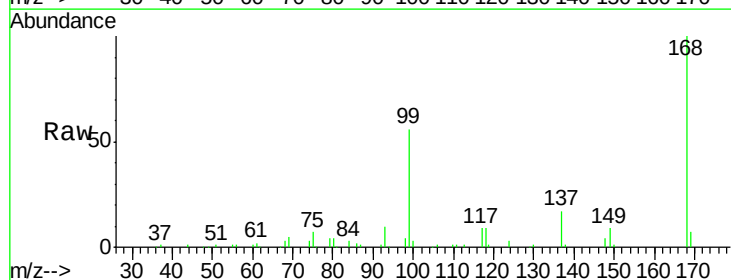
Instrument :
 MSVOA_D
 ClientSampled :

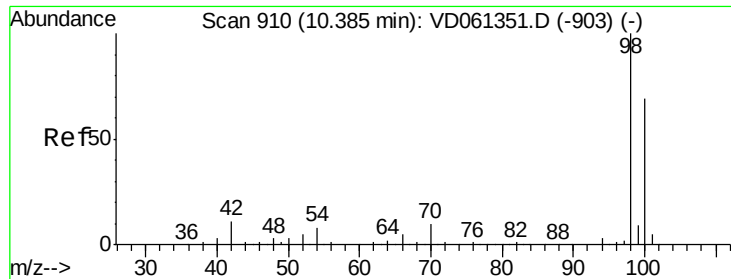
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.984 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.07 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	80.1	120.1#
121	0.0	25.6	38.4#

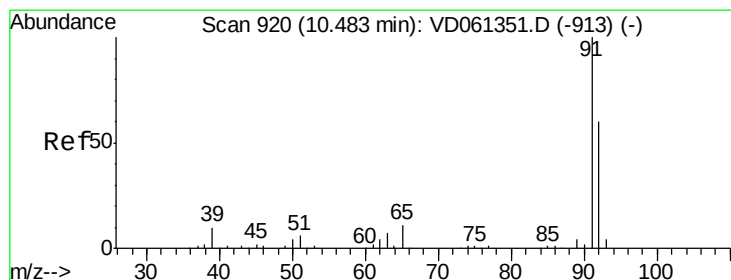
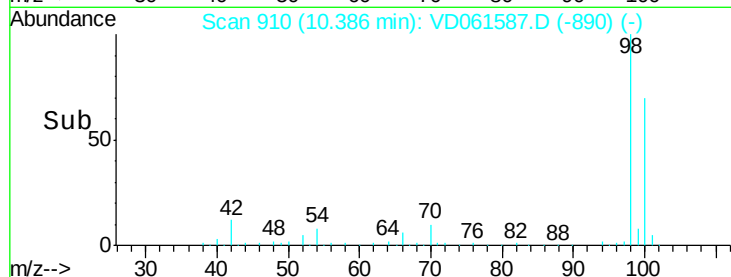
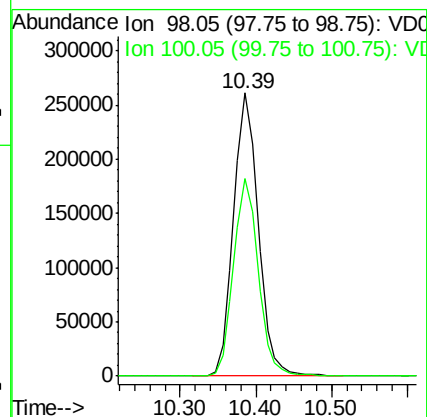
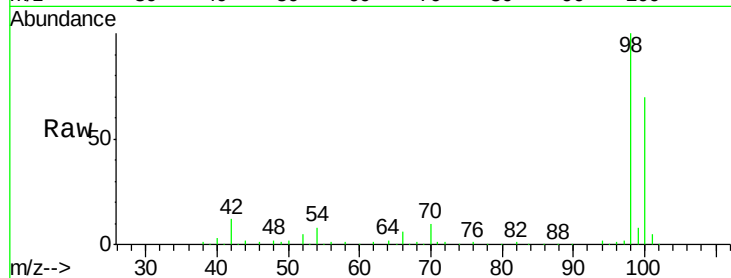




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061587.D
Acq: 4 Apr 2019 19:03

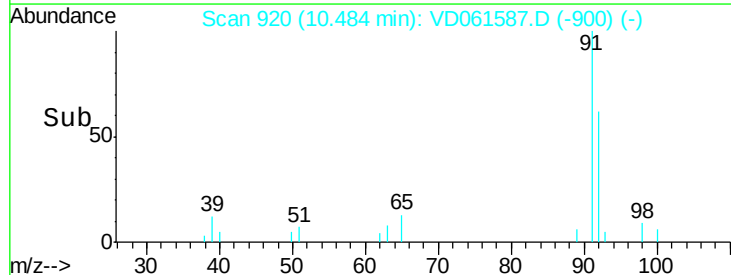
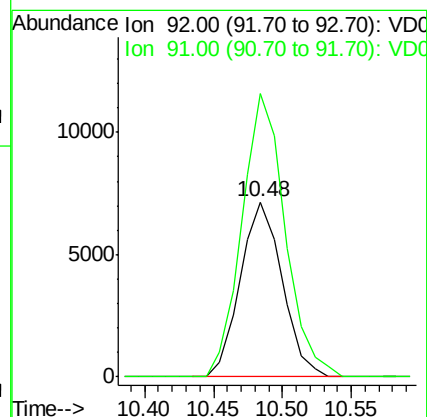
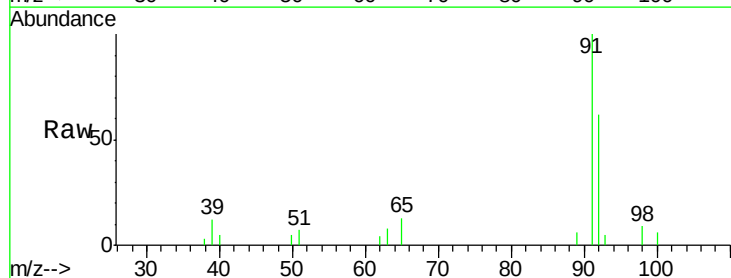
Instrument :
MSVOA_D
ClientSampleId :

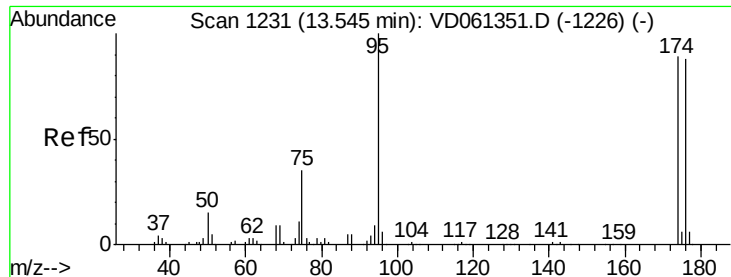
Tot Ion: 98 Resp: 590905
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2



#52
Toluene
Concen: 1.377 ug/l
RT: 10.48 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD061587.D
Acq: 4 Apr 2019 19:03

Tgt Ion: 92 Resp: 15173
Ion Ratio Lower Upper
92 100
91 161.7 133.3 199.9

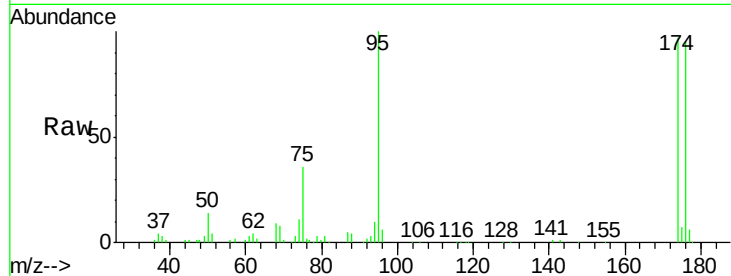




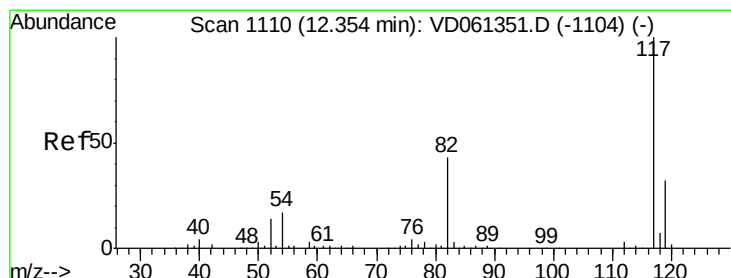
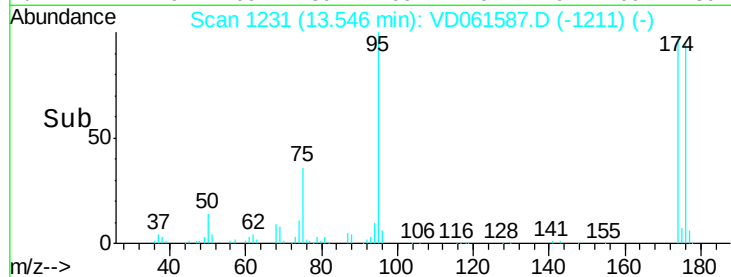
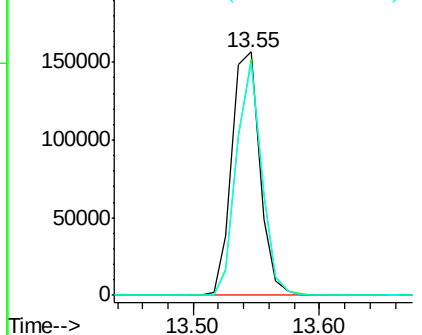
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061587.D
Acq: 4 Apr 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 240600
Ion Ratio Lower Upper
95 100
174 97.1 0.0 178.0
176 95.3 0.0 175.0

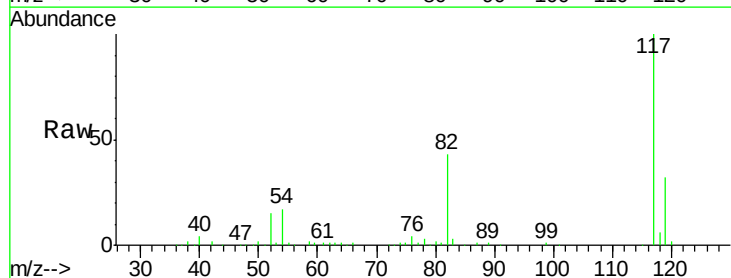


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

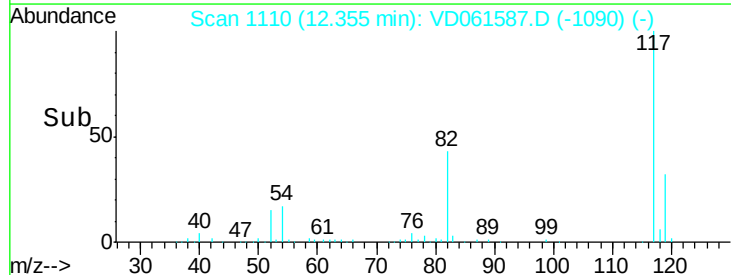
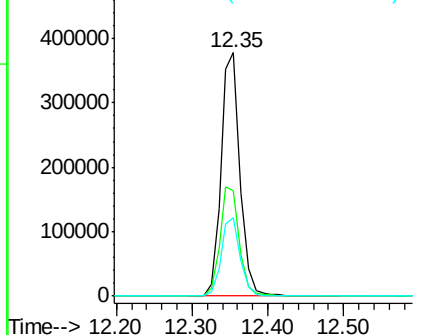


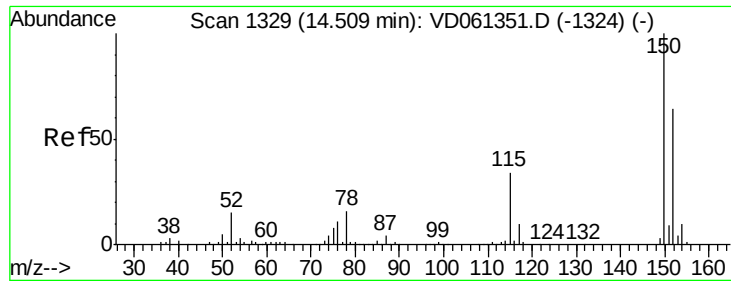
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061587.D
Acq: 4 Apr 2019 19:03

Tgt Ion: 117 Resp: 656937
Ion Ratio Lower Upper
117 100
82 43.4 34.4 51.6
119 32.4 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

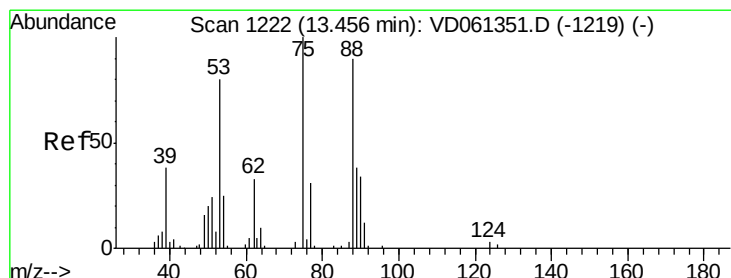
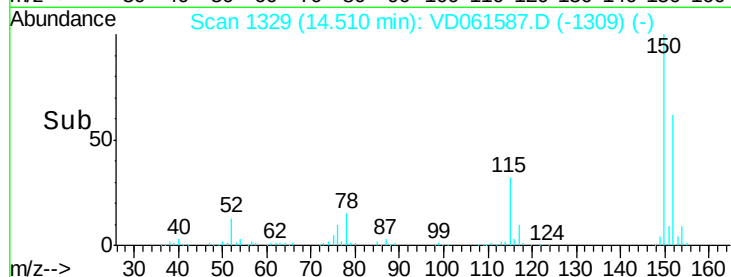
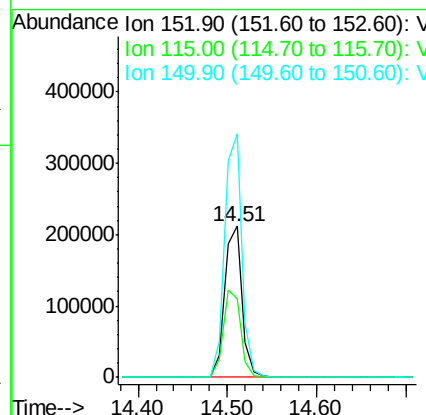
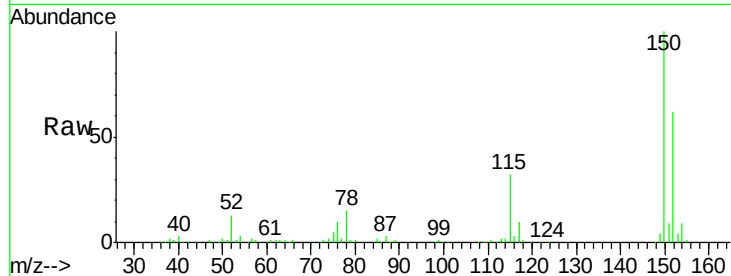




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:152 Resp: 291436
 Ion Ratio Lower Upper
 152 100
 115 51.9 26.9 80.6
 150 160.9 0.0 318.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.409 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. 0.08 min
 Lab File: VD061587.D
 Acq: 4 Apr 2019 19:03

Tgt Ion: 75 Resp: 90376
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

