

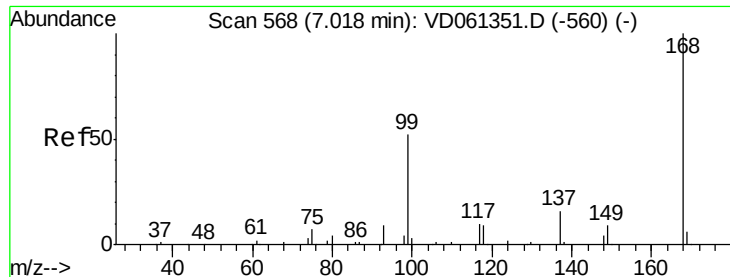
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061547.D
 Acq On : 3 Apr 2019 9:10
 Operator : VA/AP
 Sample : K2214-07
 Misc : 5.38g/5ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 00:54:35 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	471514	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	861934	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	720099	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	323815	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	214295	53.20	ug/l	0.04
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	6.95	113	325427	49.41	ug/l	0.05
Spiked Amount 50.000			Recovery	=	98.82%	
50) Toluene-d8	10.42	98	729400	46.17	ug/l	0.04
Spiked Amount 50.000			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	13.56	95	309321	51.06	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.12%	
Target Compounds						
16) Acetone	3.24	43	26768	25.852	ug/l	95
20) Methylene Chloride	3.85	84	56109	8.063	ug/l	97
31) Cyclohexane	7.06	56	9026	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	35236	4.684	ug/l #	49
38) Carbon Tetrachloride	7.07	117	46616	5.393	ug/l #	13
52) Toluene	10.52	92	31126	2.702	ug/l	100
76) 1,2,3-Trichloropropane	13.55	75	104340	22.306	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	119004	83.441	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: VD061547.D

Acq: 3 Apr 2019 9:10

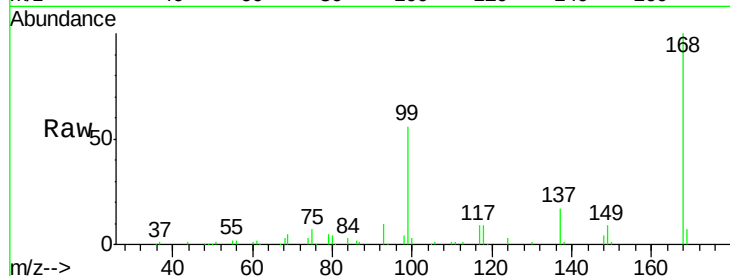
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 471514

Ion Ratio Lower Upper

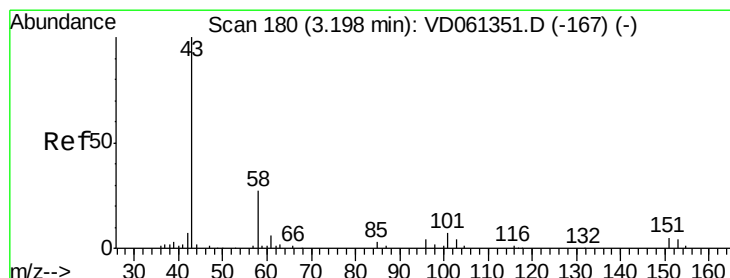
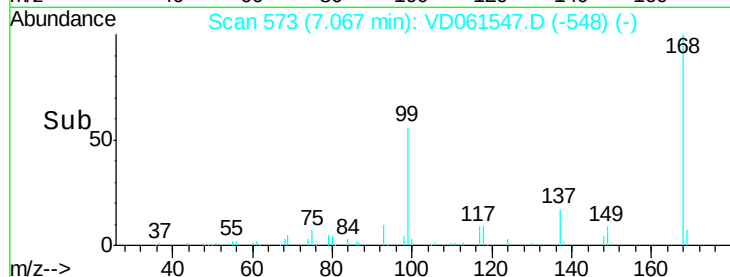
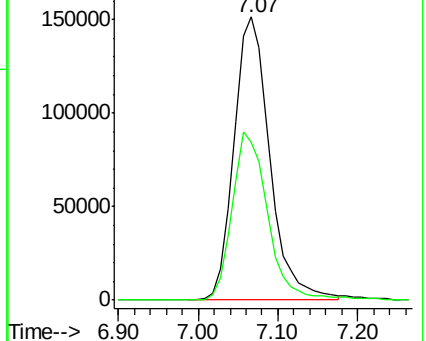
168 100

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



#16

Acetone

Concen: 25.852 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061547.D

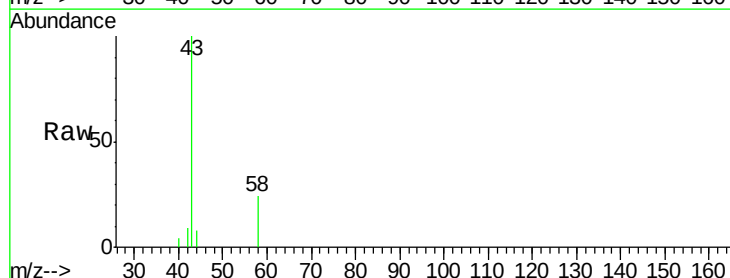
Acq: 3 Apr 2019 9:10

Tgt Ion: 43 Resp: 26768

Ion Ratio Lower Upper

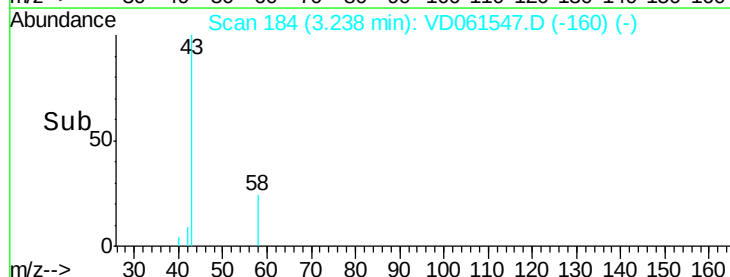
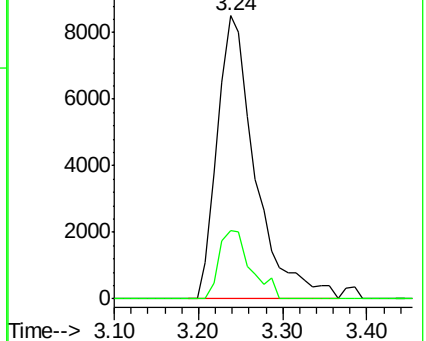
43 100

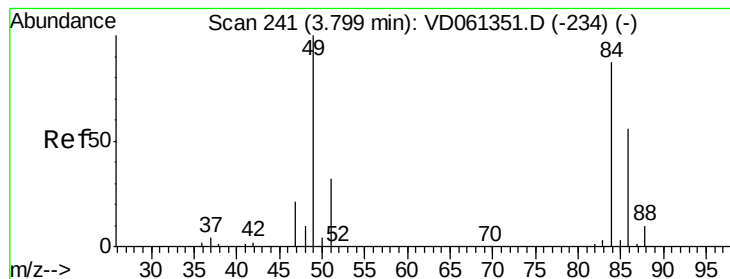
58 24.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 8.063 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 56109

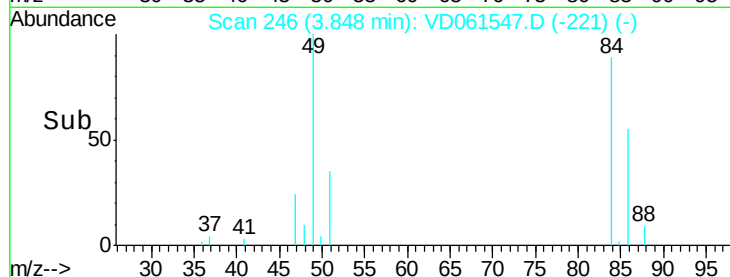
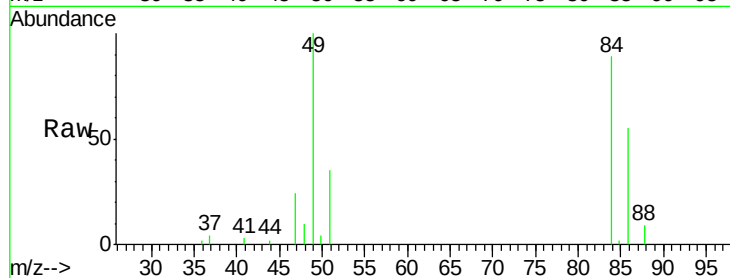
Ion Ratio Lower Upper

84 100

49 111.8 91.8 137.8

51 38.8 29.8 44.8

86 61.3 51.8 77.6

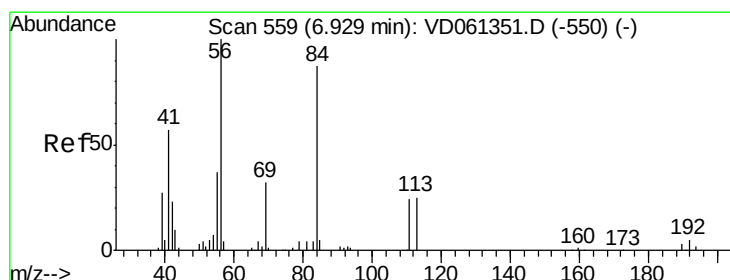
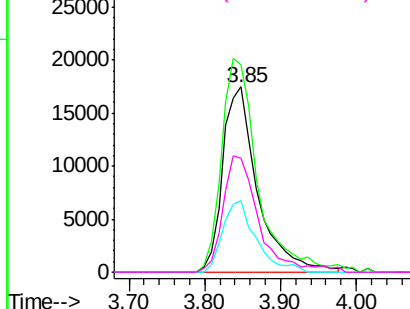


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.301 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.13 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

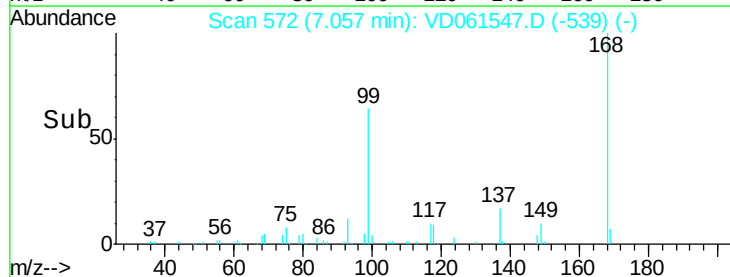
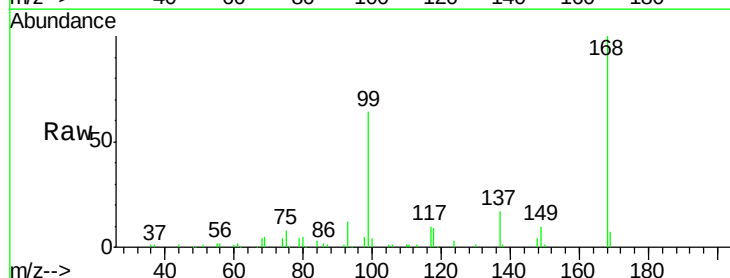
Tgt Ion: 56 Resp: 9026

Ion Ratio Lower Upper

56 100

69 232.7 25.7 38.5#

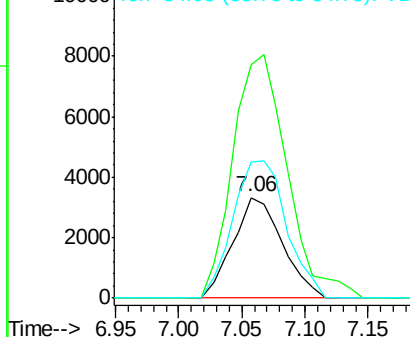
84 136.1 70.6 105.8#

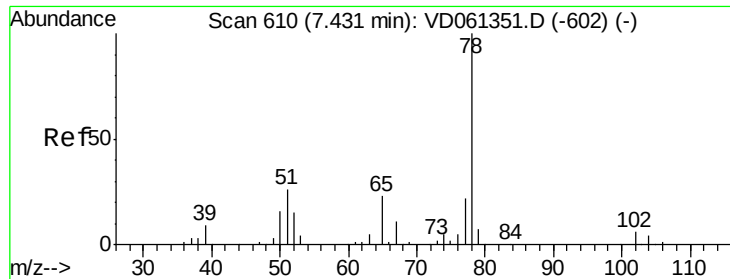


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD061547.D

Acq: 3 Apr 2019 9:10

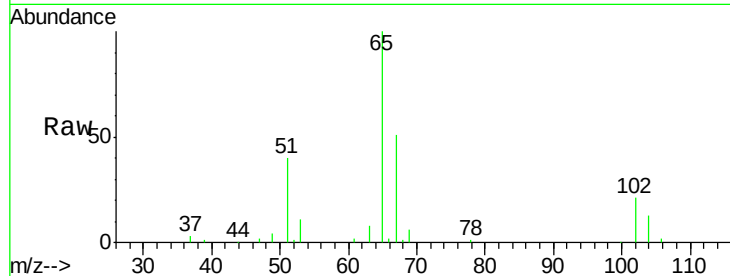
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 214295

Ion Ratio Lower Upper

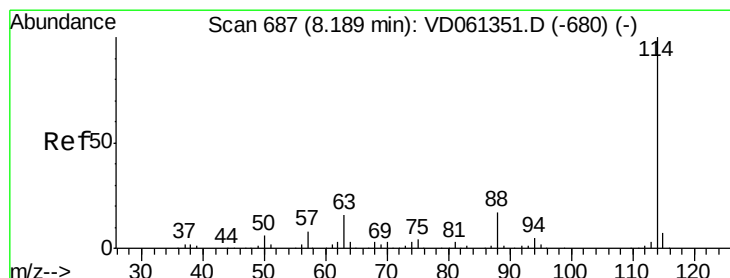
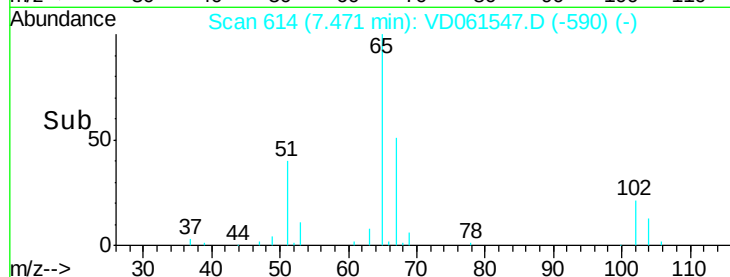
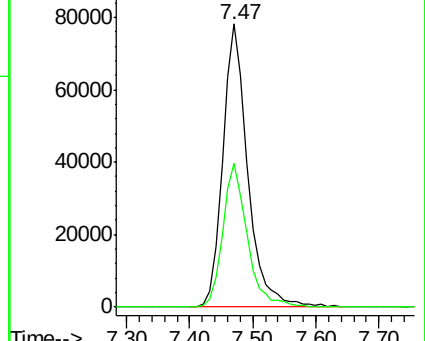
65 100

67 51.0 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: 8.24 min Scan# 692

Delta R.T. 0.05 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

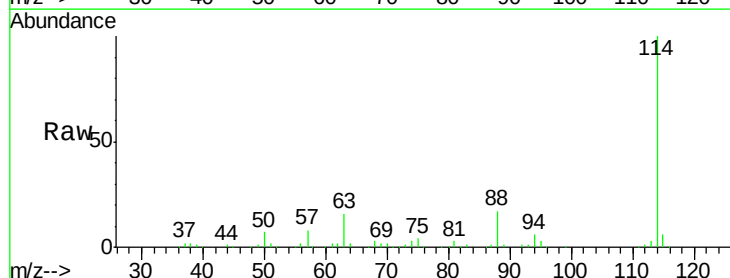
Tgt Ion:114 Resp: 861934

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.6

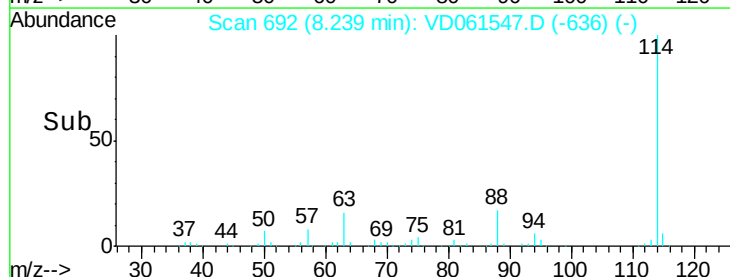
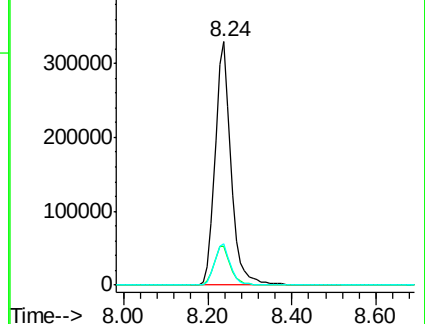
88 17.0 0.0 33.4

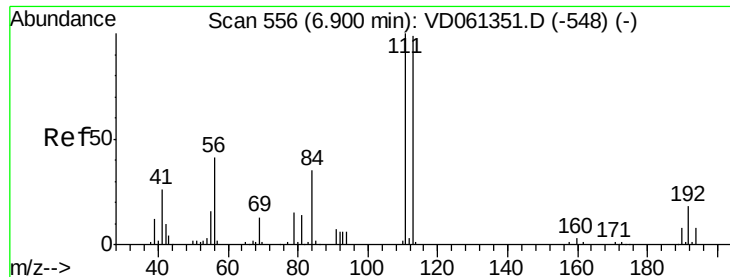


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

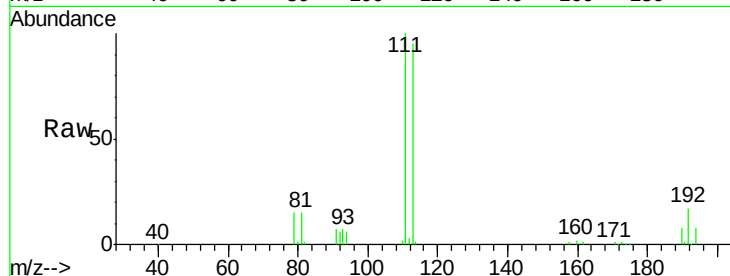




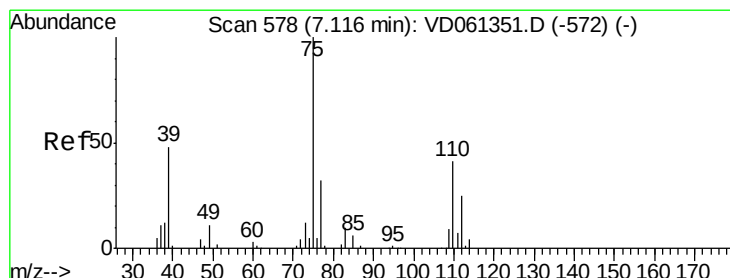
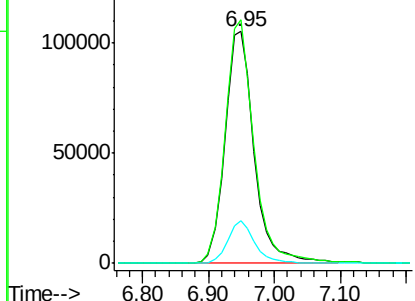
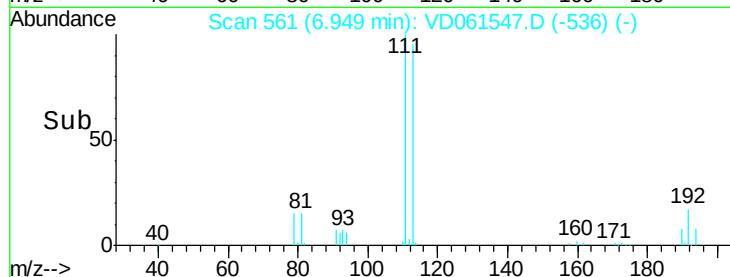
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061547.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.0	121.6
192	18.3	14.4	21.6

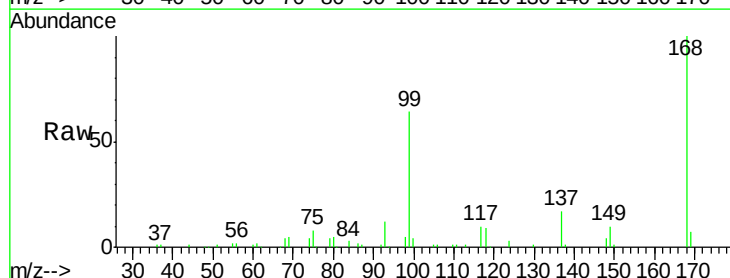


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

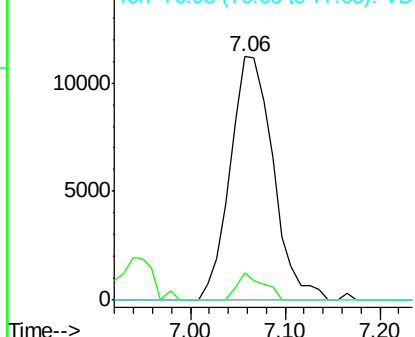
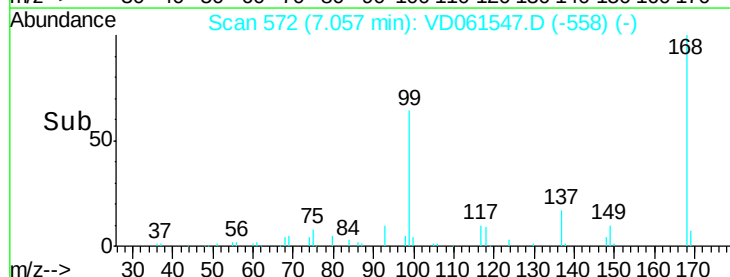


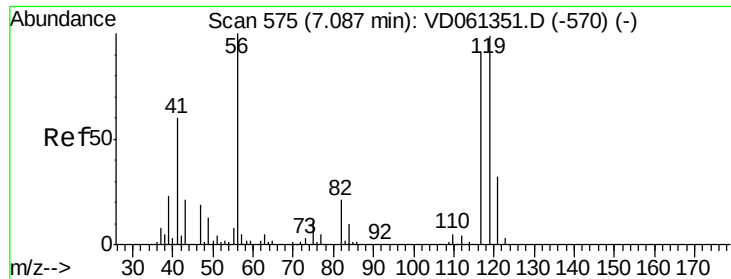
#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061547.D
 Acq: 3 Apr 2019 9:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	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

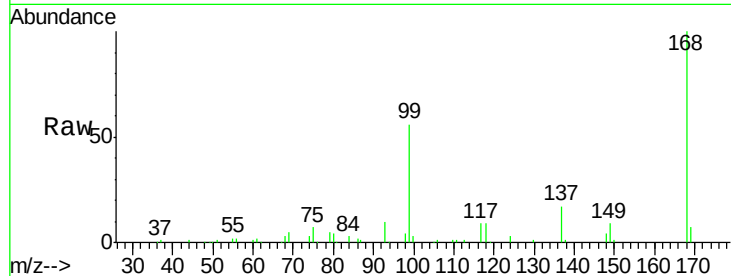




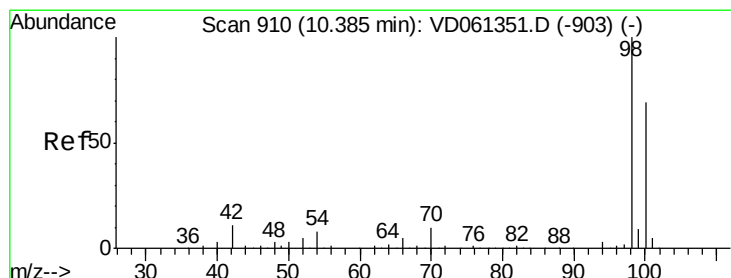
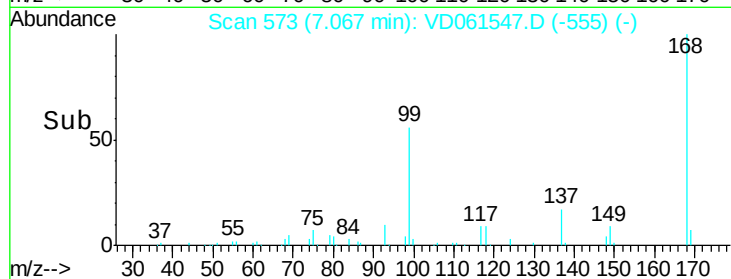
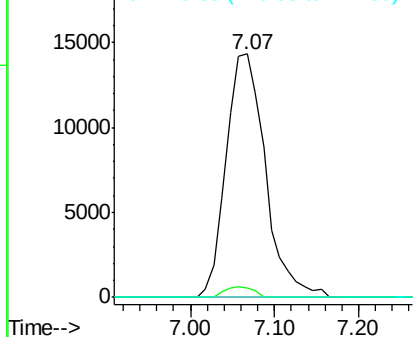
#38
Carbon Tetrachloride
Concen: 5.393 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.02 min
Lab File: VD061547.D
Acq: 3 Apr 2019 9:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 46616
Ion Ratio Lower Upper
117 100
119 3.8 80.1 120.1#
121 0.0 25.6 38.4#

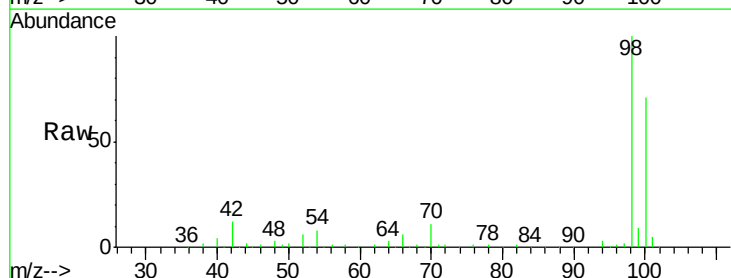


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

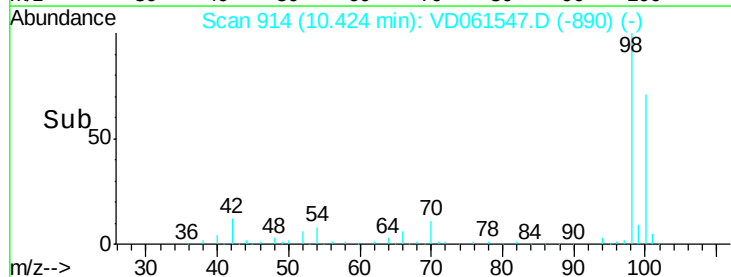
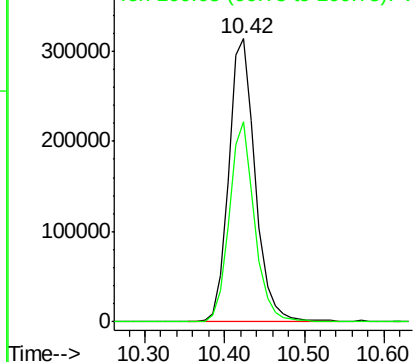


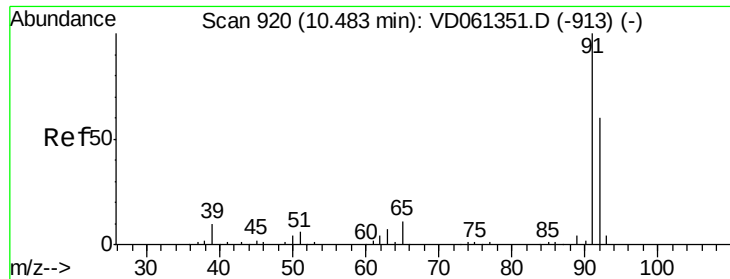
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061547.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 98 Resp: 729400
Ion Ratio Lower Upper
98 100
100 70.7 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: 2.702 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.04 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

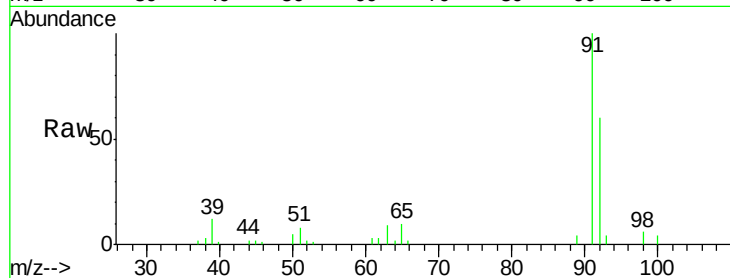
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 31126

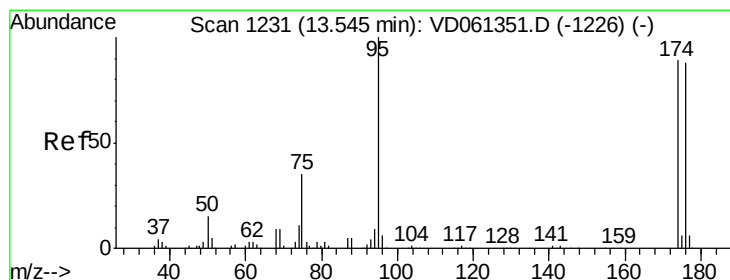
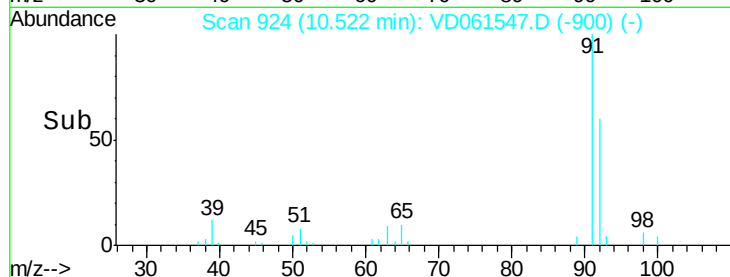
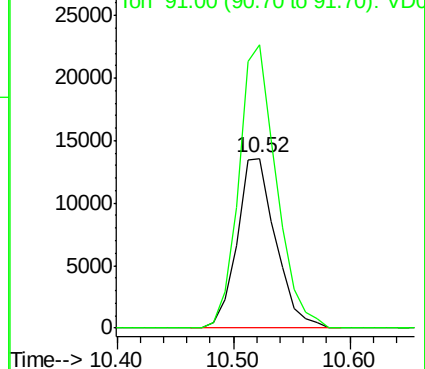
Ion Ratio Lower Upper

92 100

91 166.6 133.3 199.9



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: VD061547.D

Acq: 3 Apr 2019 9:10

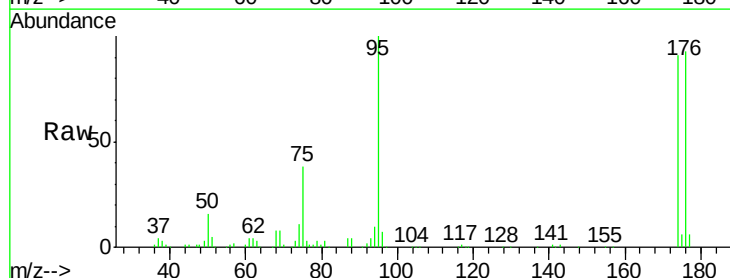
Tgt Ion: 95 Resp: 309321

Ion Ratio Lower Upper

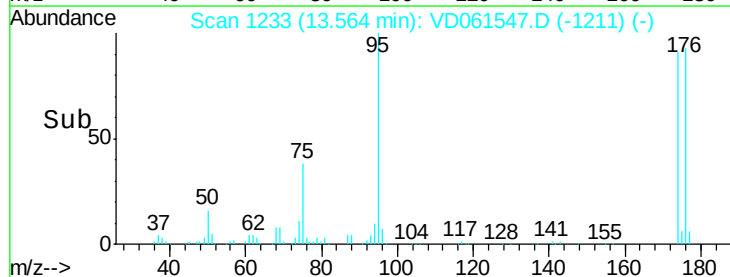
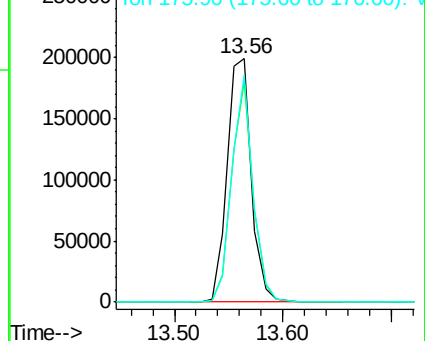
95 100

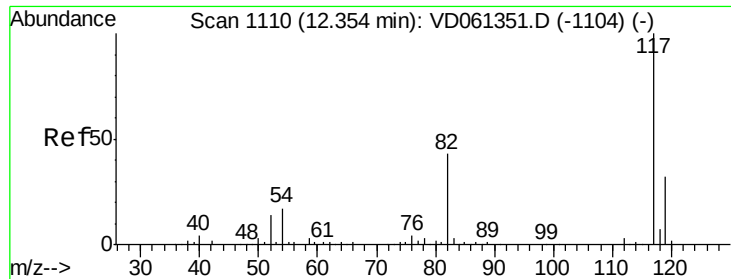
174 90.8 0.0 178.0

176 93.1 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

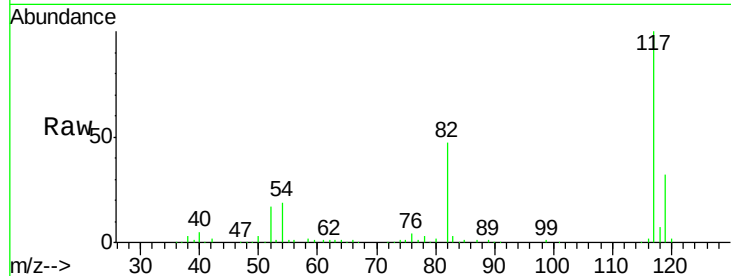




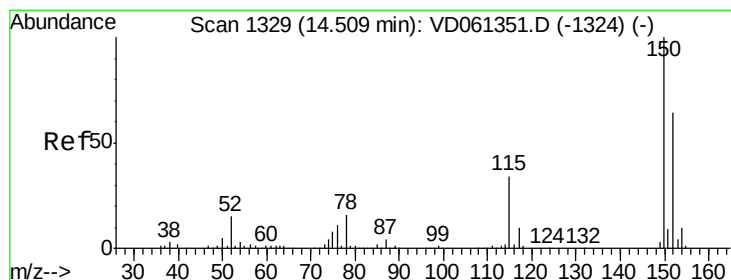
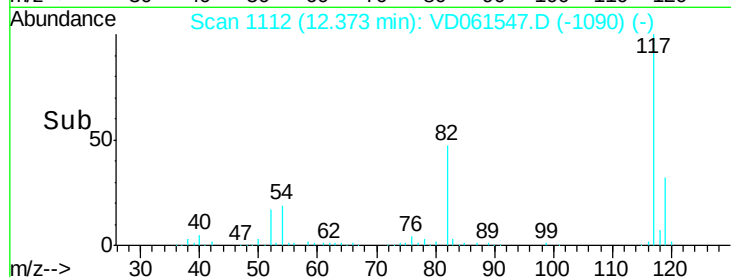
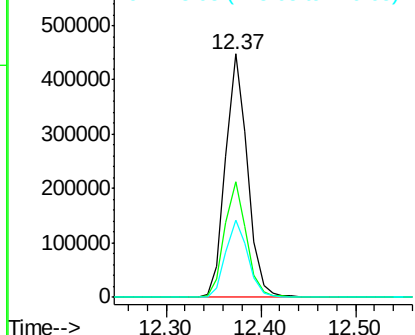
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.02 min
 Lab File: VD061547.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:117 Resp: 720099
 Ion Ratio Lower Upper
 117 100
 82 47.3 34.4 51.6
 119 31.8 25.8 38.6

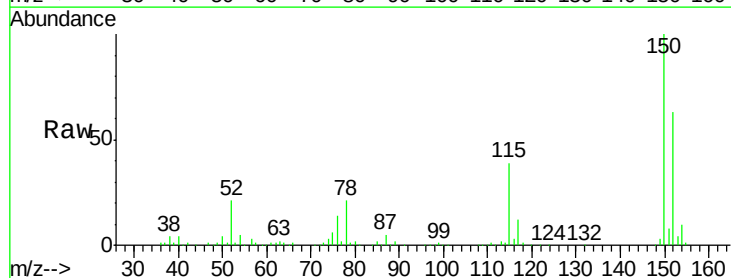


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

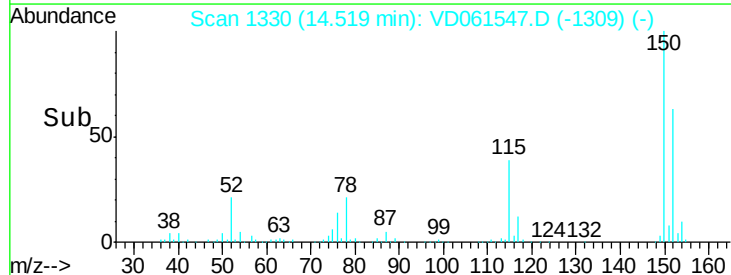
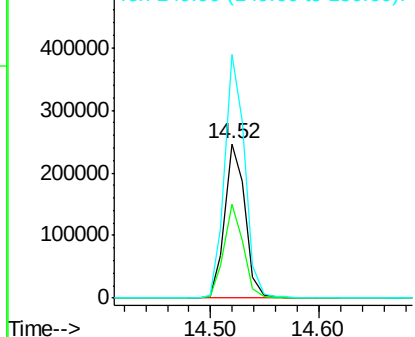


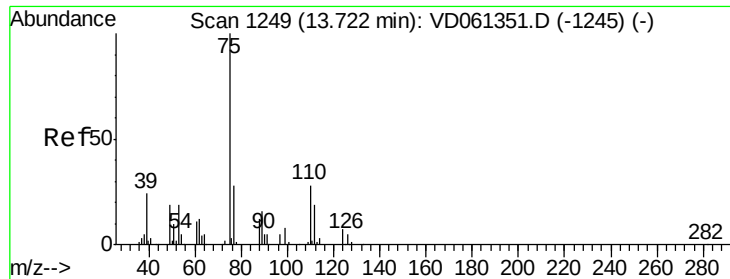
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VD061547.D
 Acq: 3 Apr 2019 9:10

Tgt Ion:152 Resp: 323815
 Ion Ratio Lower Upper
 152 100
 115 60.9 26.9 80.6
 150 157.8 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: 22.306 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_D

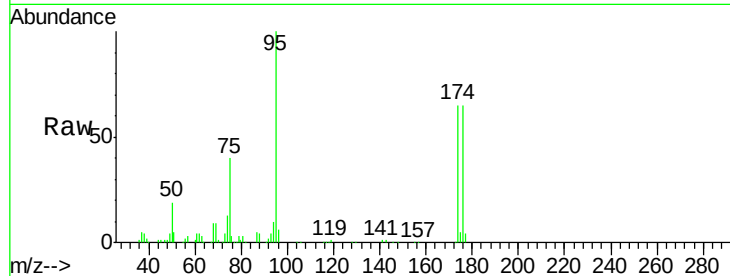
ClientSampleId :

Tot Ion: 75 Resp: 104340

Ion Ratio Lower Upper

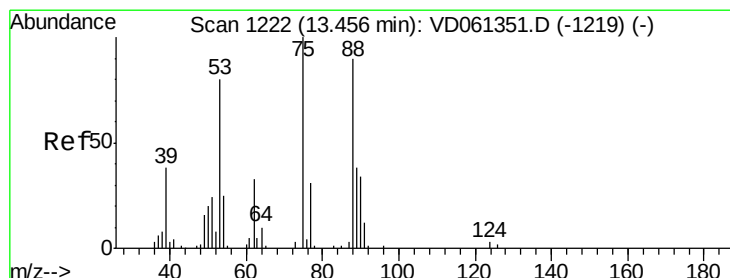
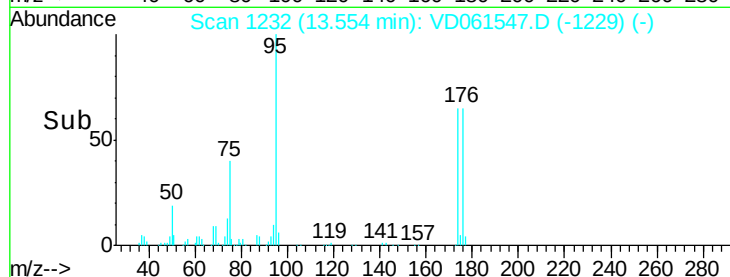
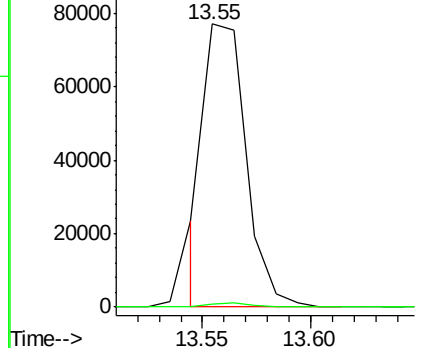
75 100

77 1.1 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: 83.441 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061547.D

Acq: 3 Apr 2019 9:10

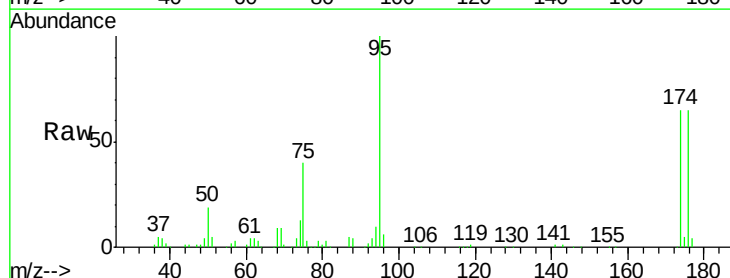
Tgt Ion: 75 Resp: 119004

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

