

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061665.D
 Acq On : 8 Apr 2019 22:16
 Operator : VA/AP
 Sample : K2317-16
 Misc : 5.51a/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	361319	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	614268	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	525652	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	244567	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	107535	39.26	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.52%	
35) Dibromofluoromethane	6.93	113	158036	37.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	74.28%	
50) Toluene-d8	10.42	98	331108	30.97	ug/l	0.01
Spiked Amount 50.000			Recovery	=	61.94%	
62) 4-Bromofluorobenzene	13.56	95	151027	38.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.48%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	8471	10.347	ug/l	97
20) Methylene Chloride	3.83	84	53253	11.463	ug/l	96
31) Cyclohexane	7.05	56	5364	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	25855	4.809	ug/l #	45
38) Carbon Tetrachloride	7.05	117	34784	5.521	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	46256	13.902	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	57771	57.216	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

Instrument :

MSVOA_D

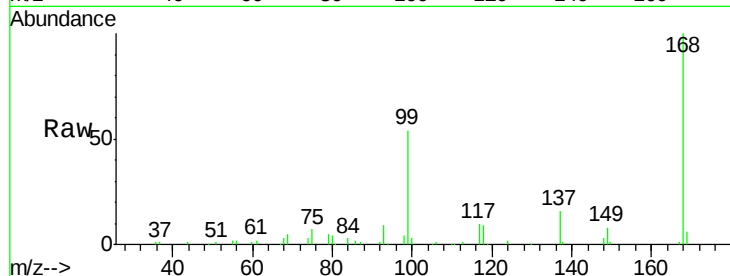
ClientSampleId :

Tot Ion:168 Resp: 361319

Ion Ratio Lower Upper

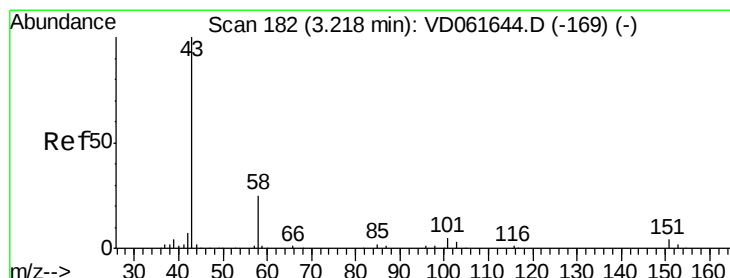
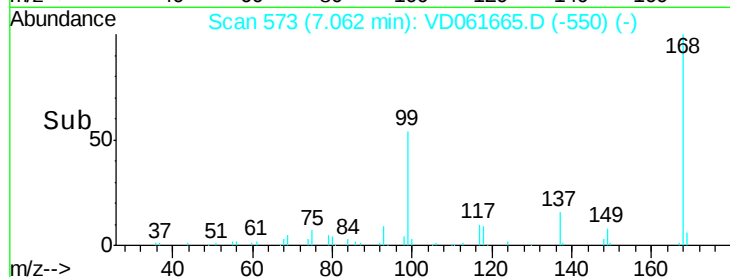
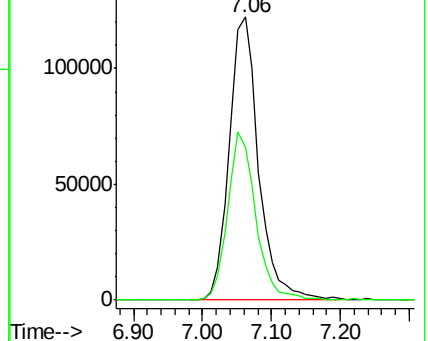
168 100

99 54.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 10.347 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061665.D

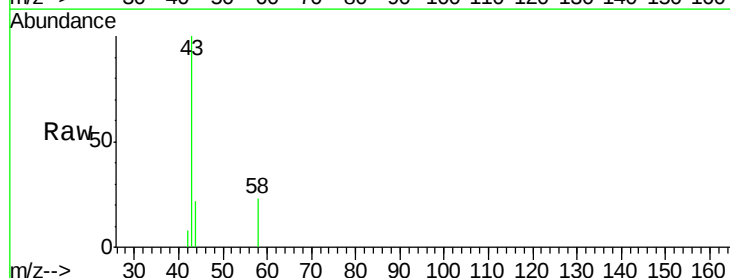
Acq: 8 Apr 2019 22:16

Tgt Ion: 43 Resp: 8471

Ion Ratio Lower Upper

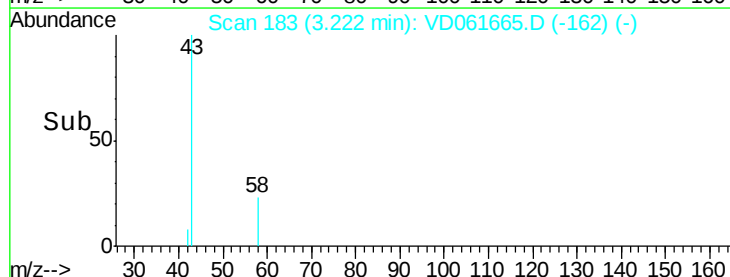
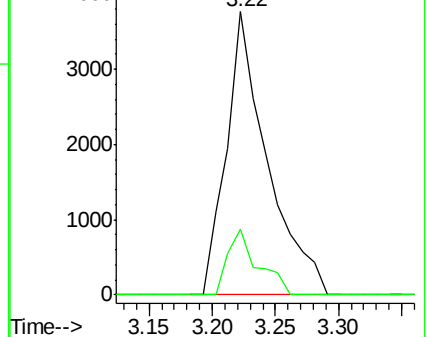
43 100

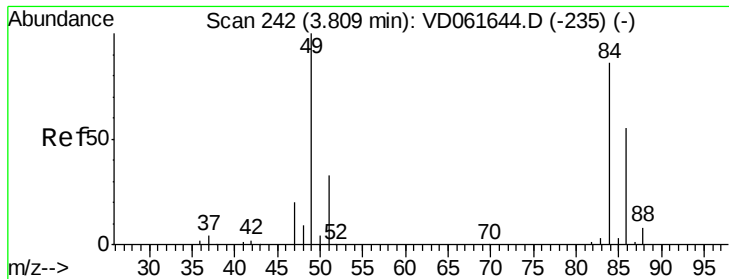
58 23.1 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 11.463 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 53253

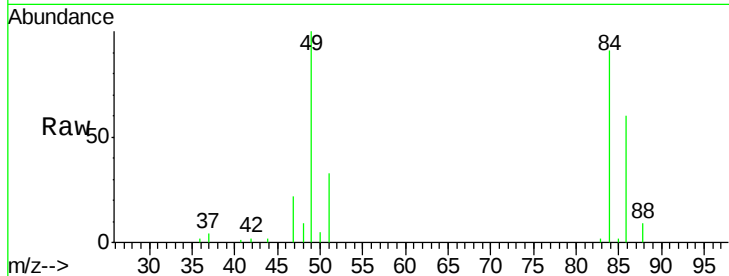
Ion Ratio Lower Upper

84 100

49 110.1 93.0 139.4

51 36.0 30.4 45.6

86 65.6 51.0 76.4

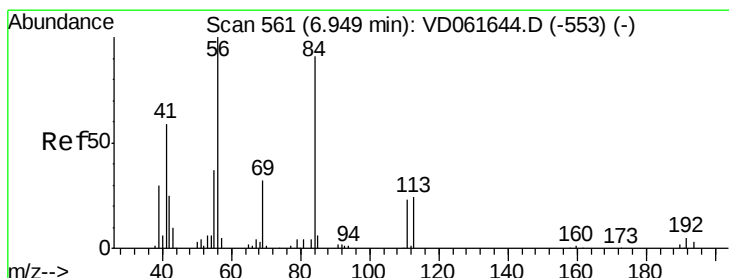
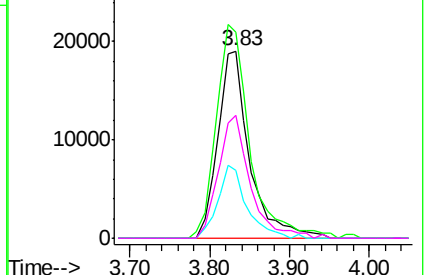
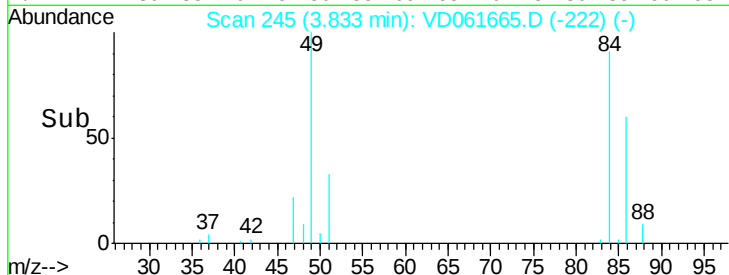


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.040 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

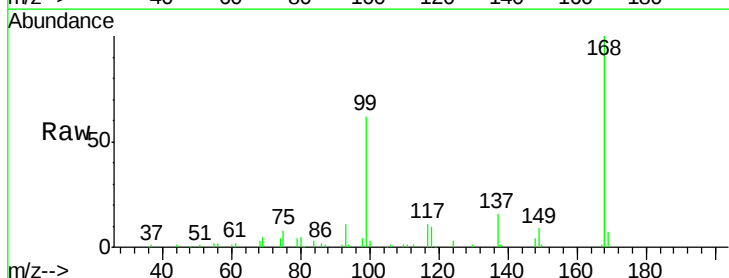
Tgt Ion: 56 Resp: 5364

Ion Ratio Lower Upper

56 100

69 284.4 25.8 38.6#

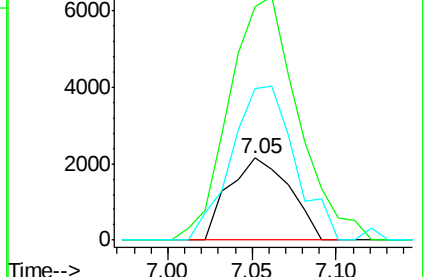
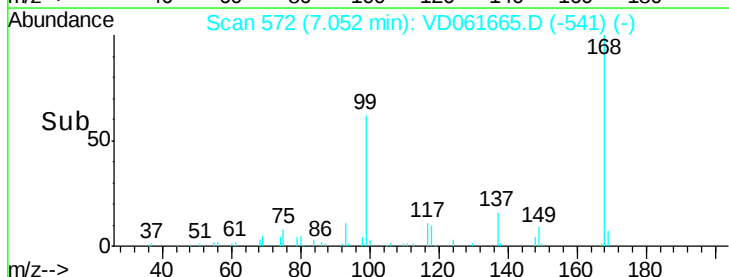
84 184.3 74.2 111.2#

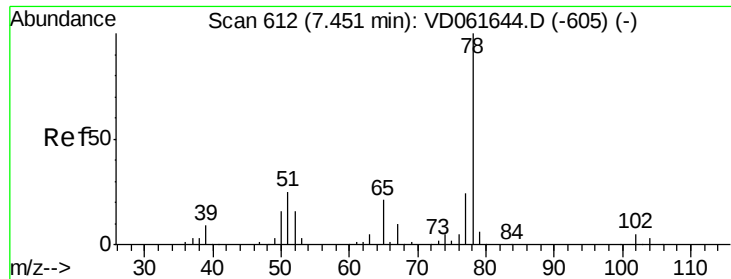


Abundance Ion 55.95 (55.65 to 56.65): VDC

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. 0.01 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

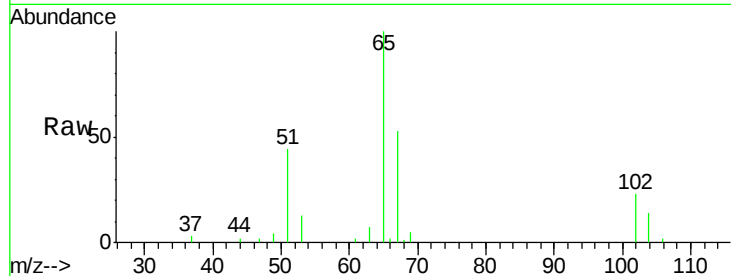
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 107535

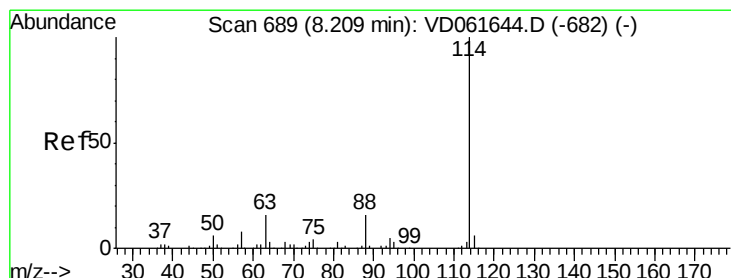
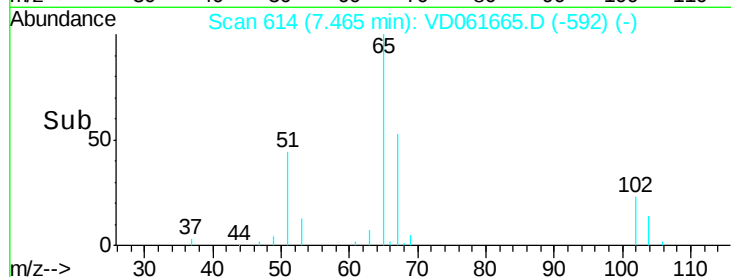
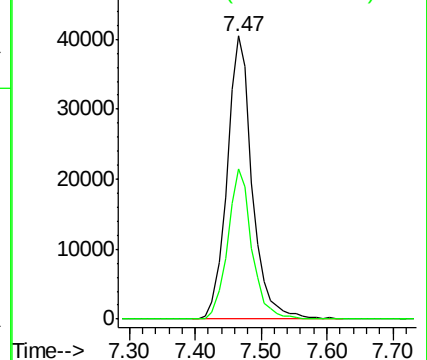
Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

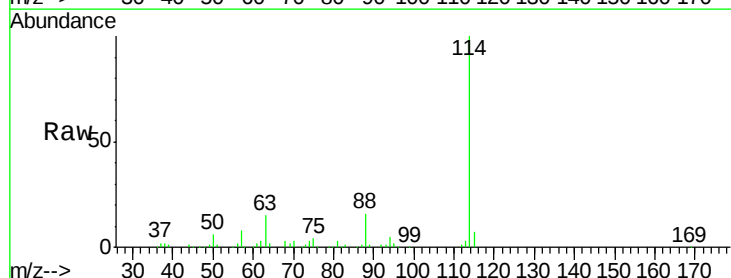
Tgt Ion:114 Resp: 614268

Ion Ratio Lower Upper

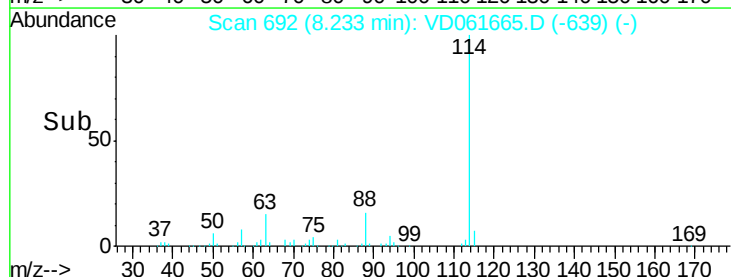
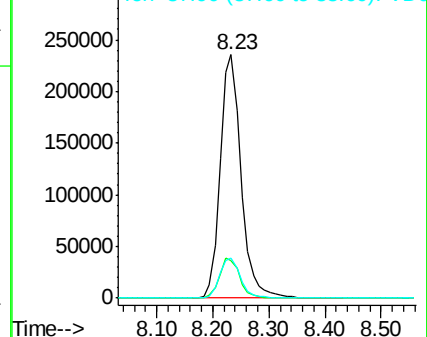
114 100

63 15.4 0.0 31.2

88 16.5 0.0 31.8



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

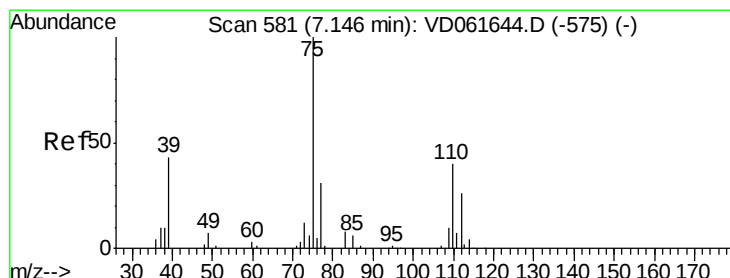
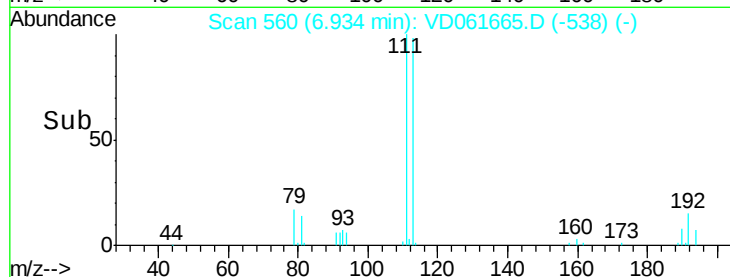
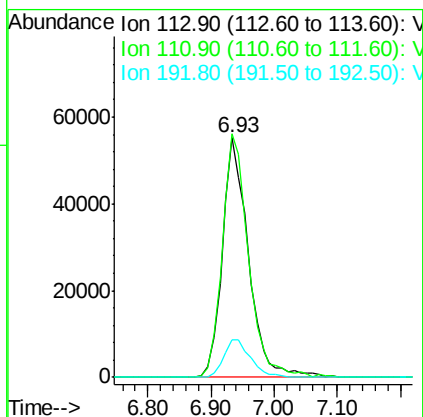
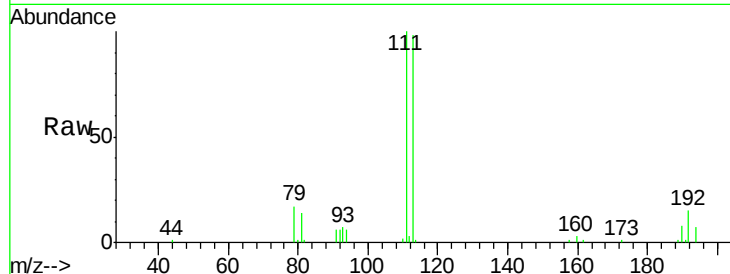




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061665.D
 Acq: 8 Apr 2019 22:16

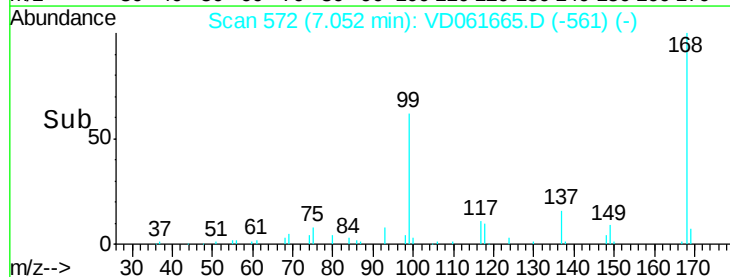
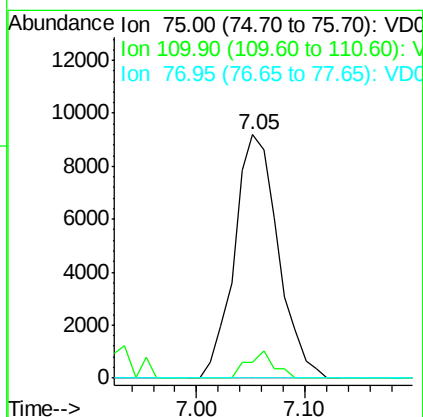
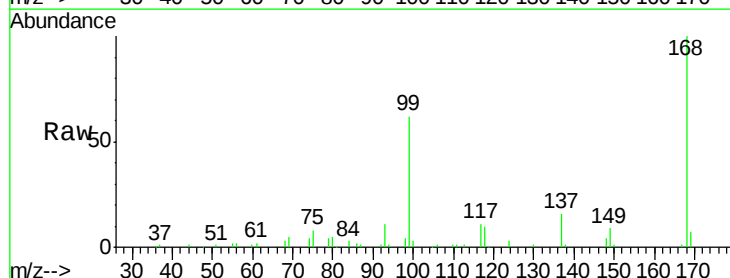
Instrument :
 MSVOA_D
 ClientSampleId :

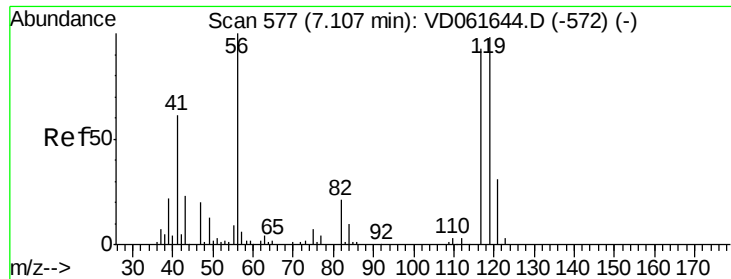
Tot Ion:113 Resp: 158036
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.3 118.9
 192 15.5 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061665.D
 Acq: 8 Apr 2019 22:16

Tgt Ion: 75 Resp: 25855
 Ion Ratio Lower Upper
 75 100
 110 6.5 19.7 59.0#
 77 0.0 24.8 37.2#

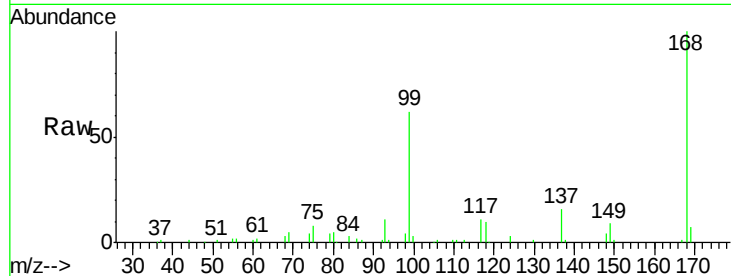




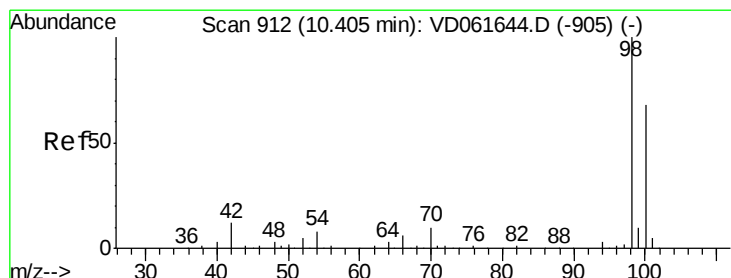
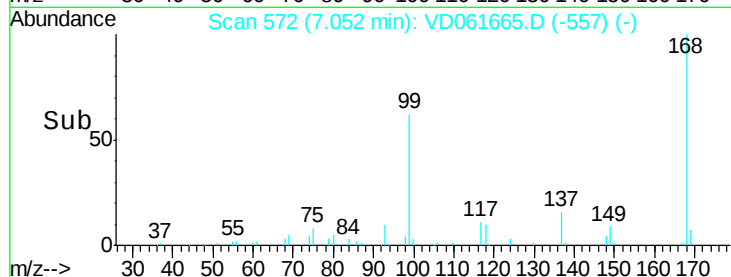
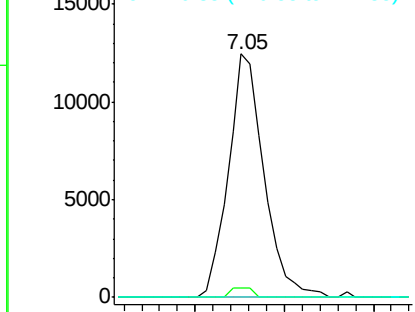
#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD061665.D
Acq: 8 Apr 2019 22:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 34784
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.7 37.1#

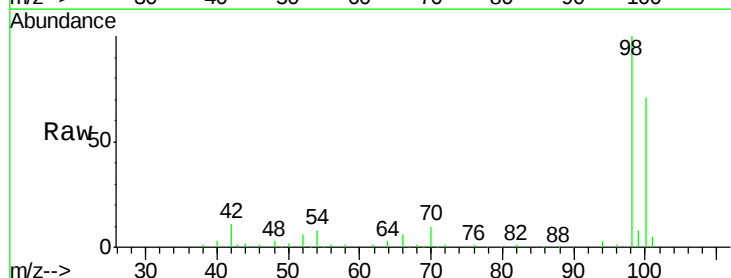


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

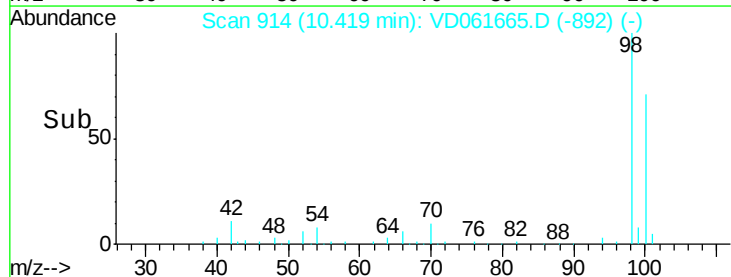
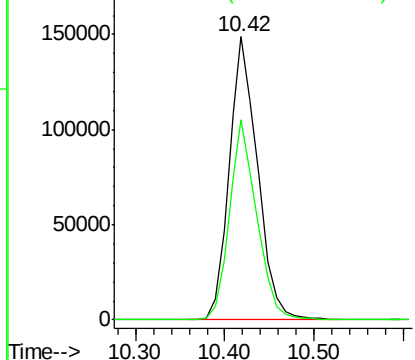


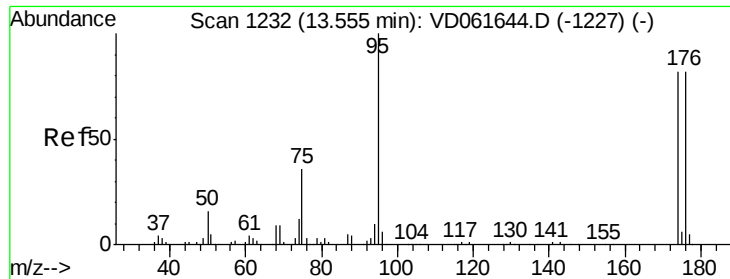
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061665.D
Acq: 8 Apr 2019 22:16

Tgt Ion: 98 Resp: 331108
Ion Ratio Lower Upper
98 100
100 70.5 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

Instrument :

MSVOA_D

ClientSampled :

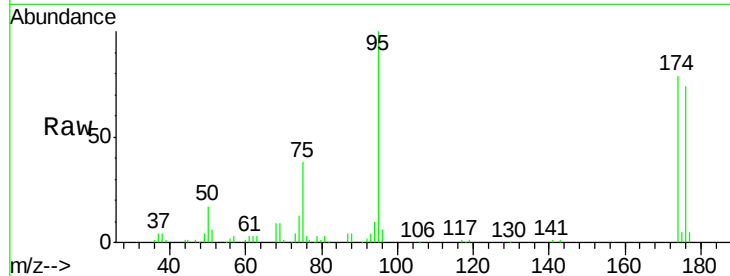
Tot Ion: 95 Resp: 151027

Ion Ratio Lower Upper

95 100

174 78.6 0.0 164.6

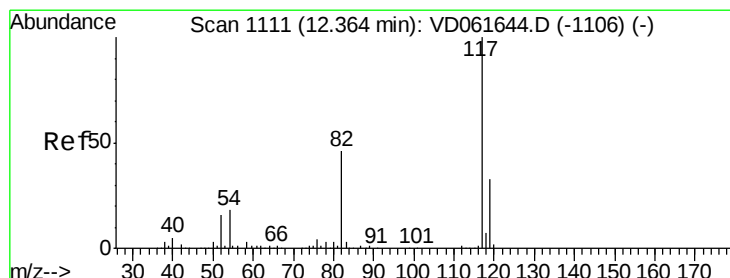
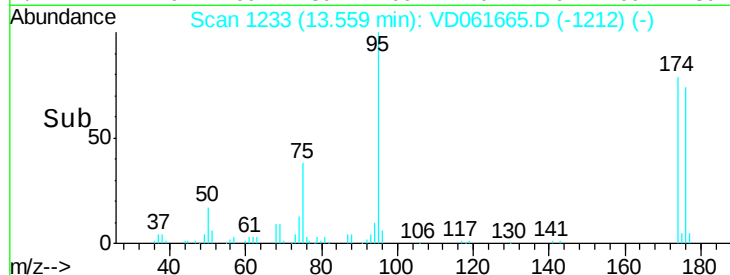
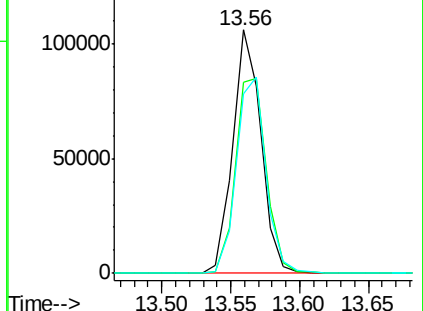
176 73.6 0.0 165.0



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

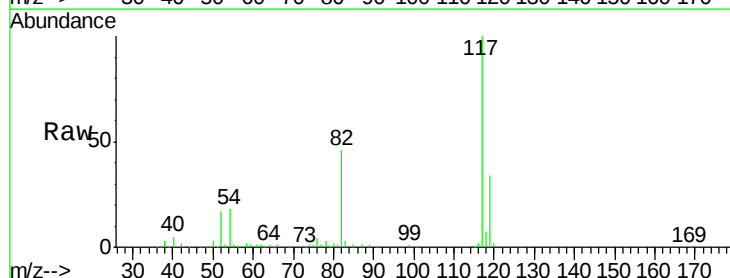
Tgt Ion: 117 Resp: 525652

Ion Ratio Lower Upper

117 100

82 46.0 36.8 55.2

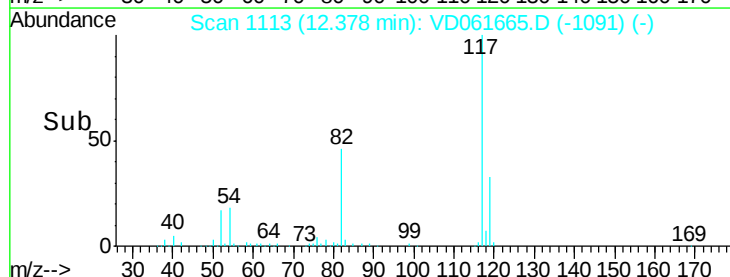
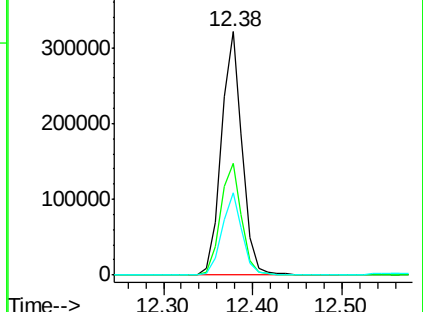
119 33.7 26.1 39.1

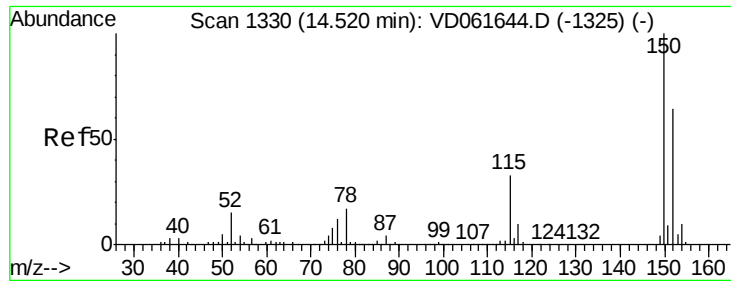


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.00 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

Instrument :

MSVOA_D

ClientSampleId :

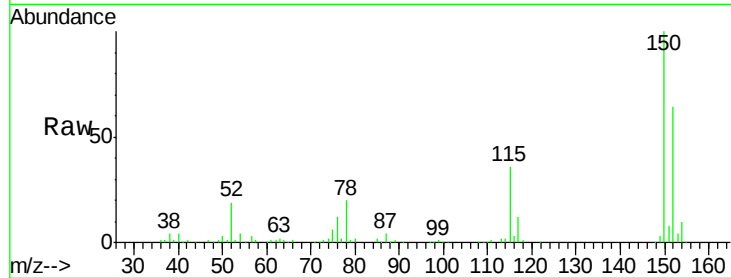
Tot Ion:152 Resp: 244567

Ion Ratio Lower Upper

152 100

115 55.7 26.4 79.2

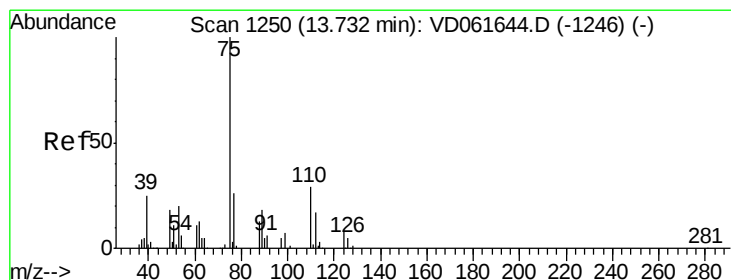
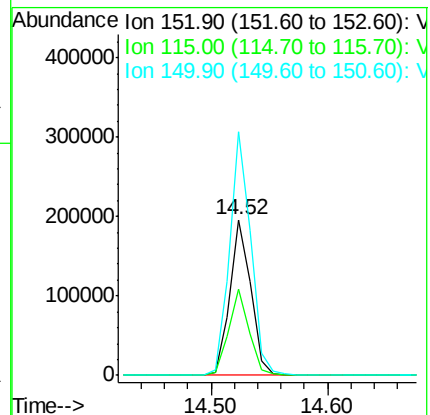
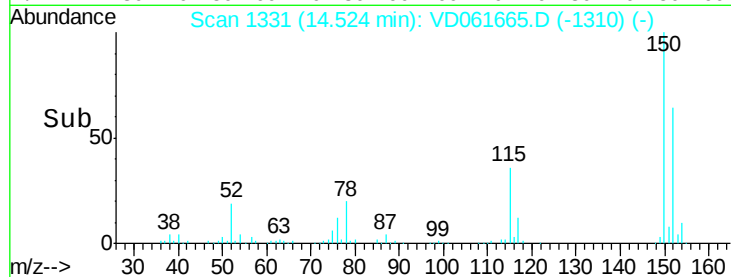
150 156.8 0.0 320.6



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: 13.902 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061665.D

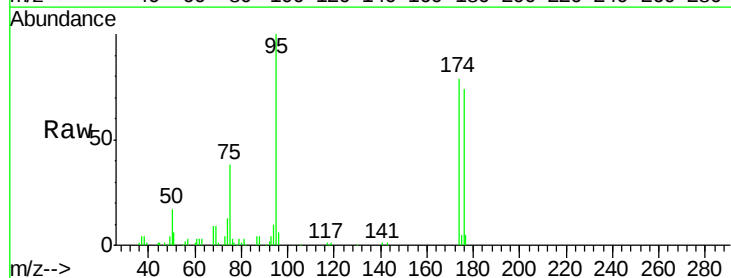
Acq: 8 Apr 2019 22:16

Tgt Ion: 75 Resp: 46256

Ion Ratio Lower Upper

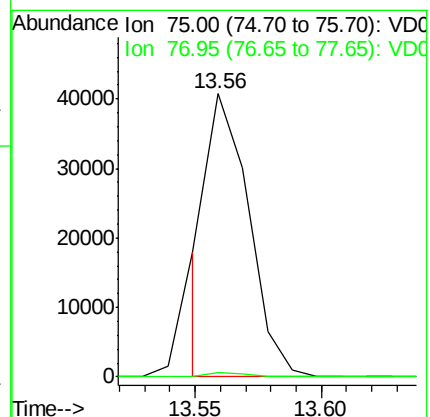
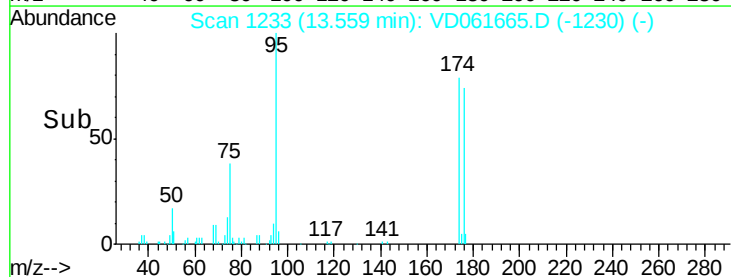
75 100

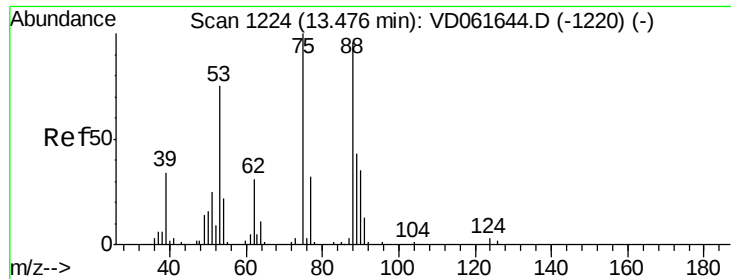
77 1.5 15.7 47.1#



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: 57.216 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061665.D

Acq: 8 Apr 2019 22:16

Instrument :

MSVOA_D

ClientSampleId :

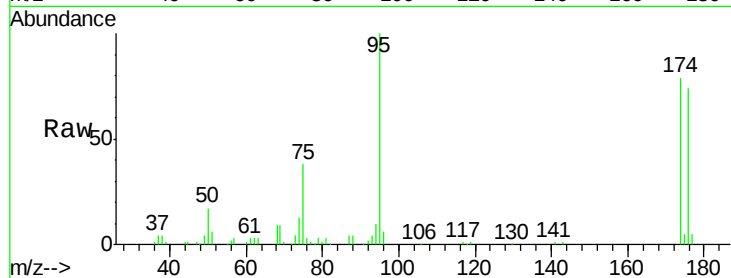
Tot Ion: 75 Resp: 57771

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

