

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061666.D
 Acq On : 8 Apr 2019 22:45
 Operator : VA/AP
 Sample : K2245-06RE
 Misc : 5.80µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:24:07 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	420740	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	741405	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	604859	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	277387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	142203	44.59	ug/l	0.01
Spiked Amount			Recovery	=	89.18%	
35) Dibromofluoromethane	6.93	113	233947	45.55	ug/l	0.01
Spiked Amount			Recovery	=	91.10%	
50) Toluene-d8	10.42	98	523940	40.60	ug/l	0.01
Spiked Amount			Recovery	=	81.20%	
62) 4-Bromofluorobenzene	13.56	95	202614	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	

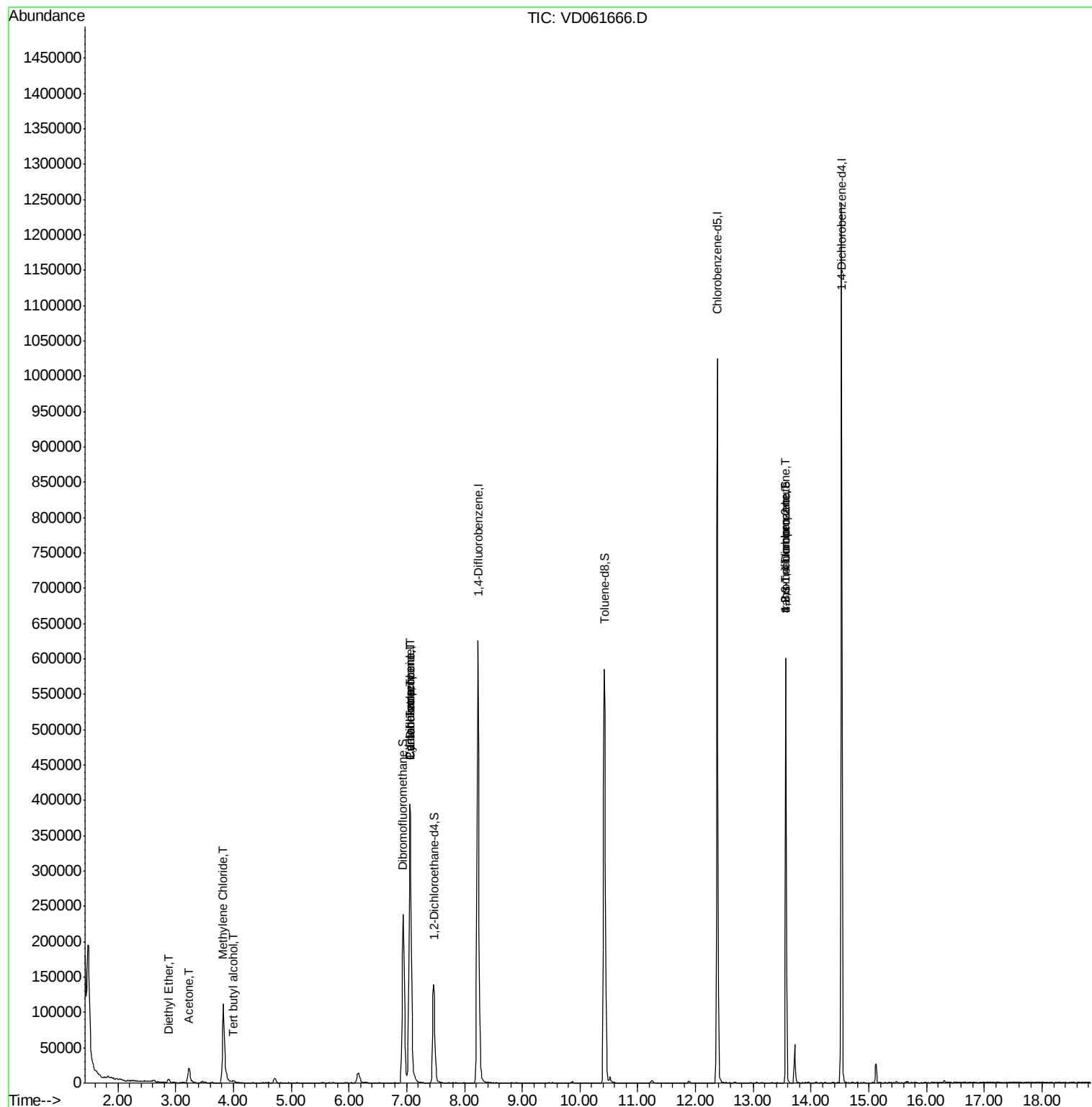
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	1958	1.348	ug/l	65
11) Tert butyl alcohol	4.00	59	3318	15.524	ug/l #	72
16) Acetone	3.23	43	44458	46.633	ug/l	96
20) Methylene Chloride	3.82	84	76954	14.225	ug/l	97
31) Cyclohexane	7.05	56	6506	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29584	4.559	ug/l #	48
38) Carbon Tetrachloride	7.05	117	40472	5.322	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	62306	16.510	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	75374	65.818	ug/l #	20

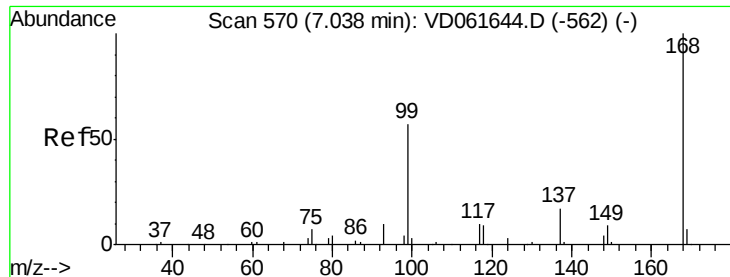
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040819\
Data File : VD061666.D
Acq On : 8 Apr 2019 22:45
Operator : VA/AP
Sample : K2245-06RE
Misc : 5.80µl/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 09 01:24:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061666.D

Acq: 8 Apr 2019 22:45

Instrument :

MSVOA_D

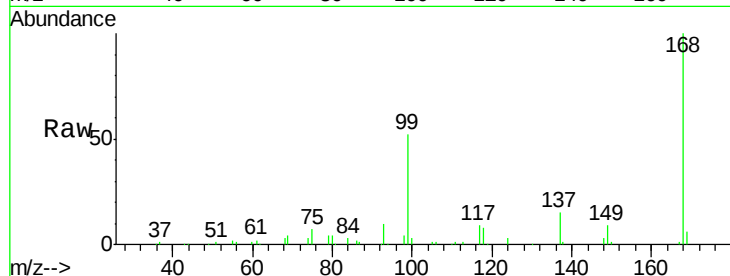
ClientSampleId :

Tot Ion:168 Resp: 420740

Ion Ratio Lower Upper

168 100

99 51.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

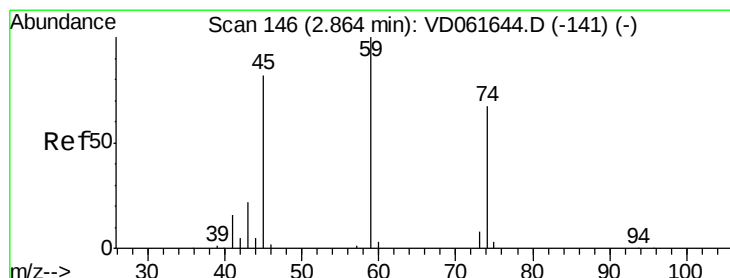
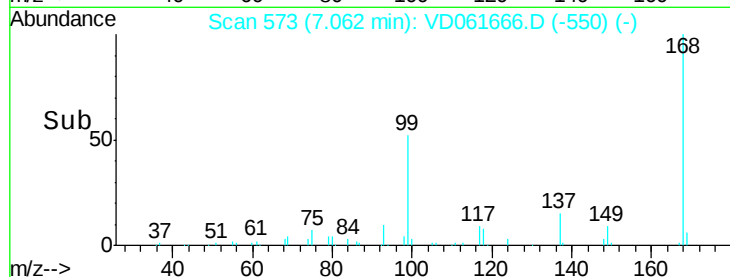
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.348 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061666.D

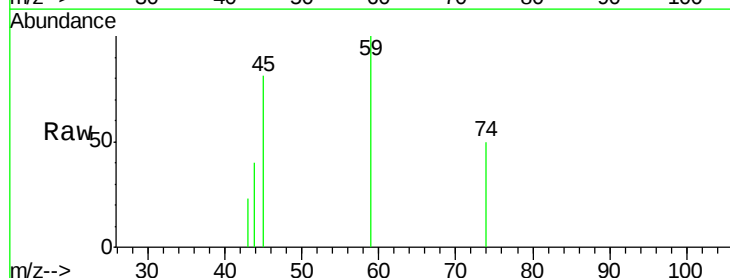
Acq: 8 Apr 2019 22:45

Tgt Ion: 74 Resp: 1958

Ion Ratio Lower Upper

74 100

45 161.0 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

1500

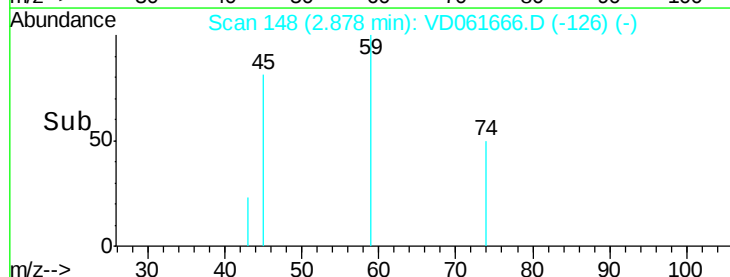
1000

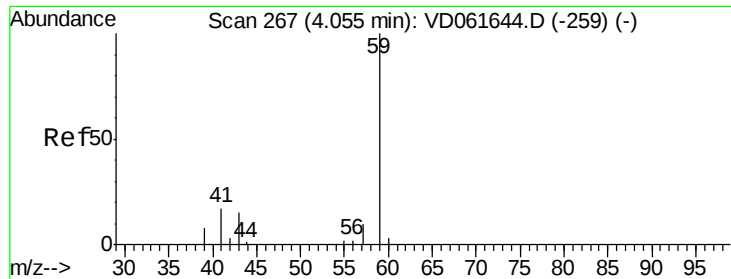
500

0

Time-->

2.85 2.90

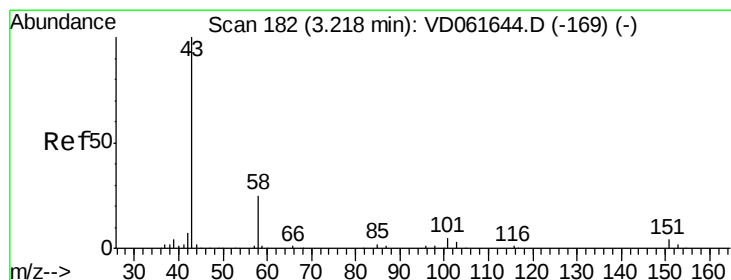
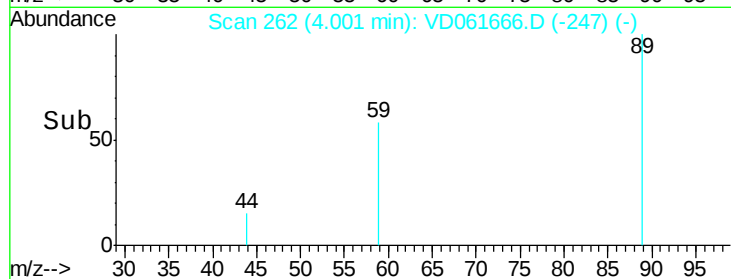
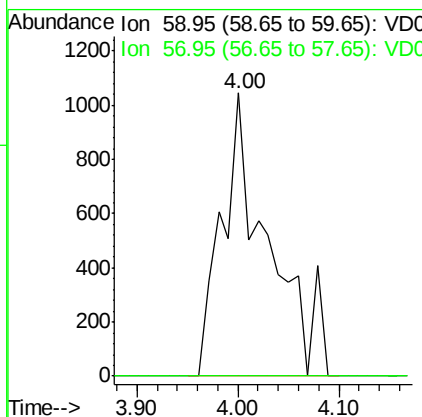
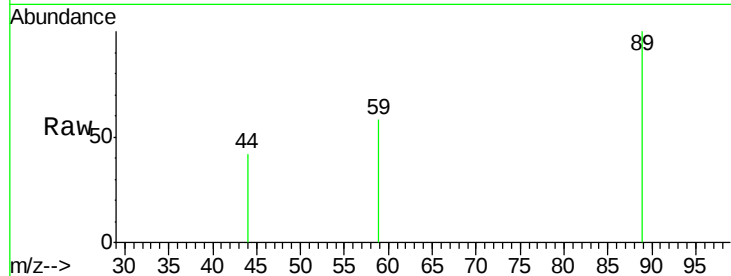




#11
Tert butyl alcohol
Concen: 15.524 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.05 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

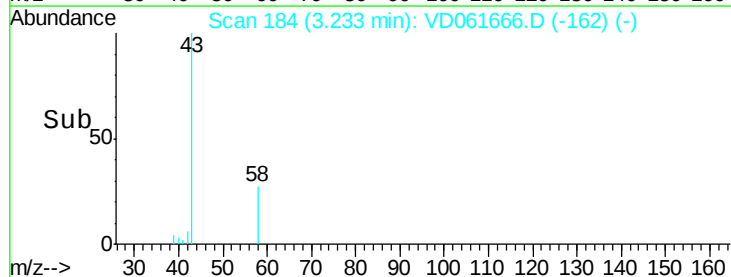
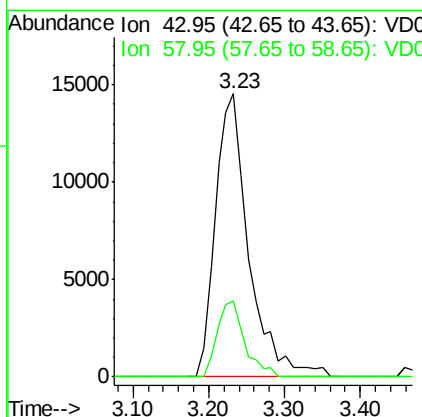
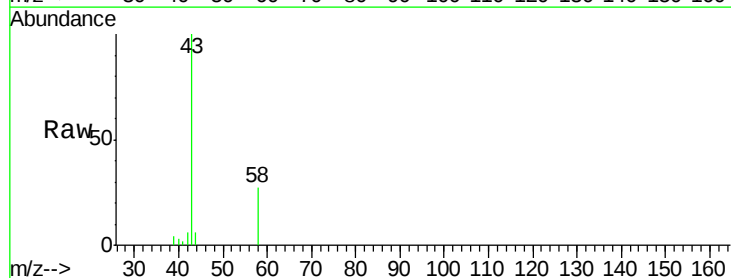
Instrument :
MSVOA_D
ClientSampled :

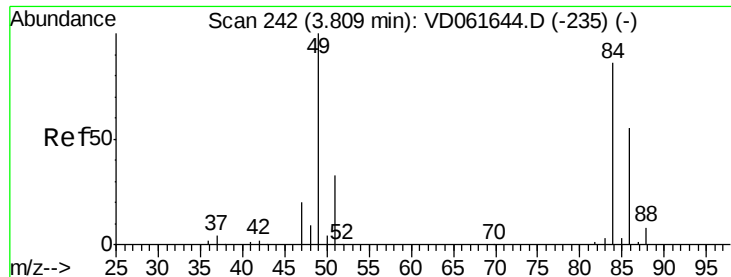
Tot Ion: 59 Resp: 3318
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 46.633 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

Tgt Ion: 43 Resp: 44458
Ion Ratio Lower Upper
43 100
58 26.8 19.7 29.5

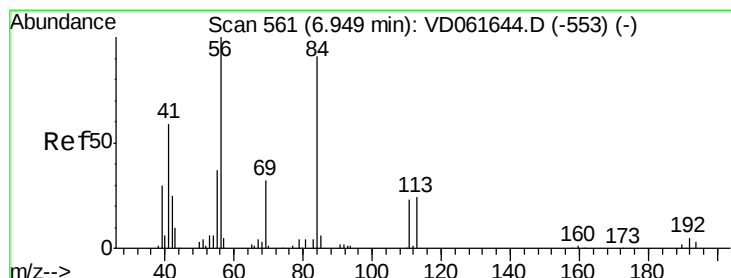
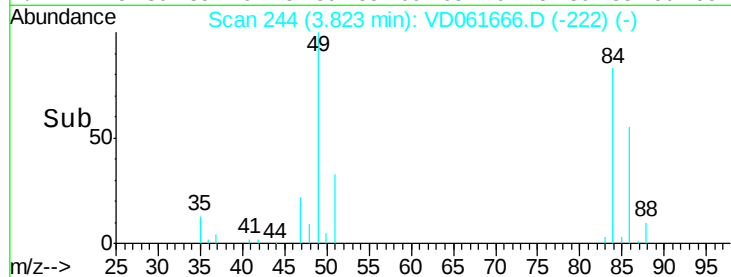
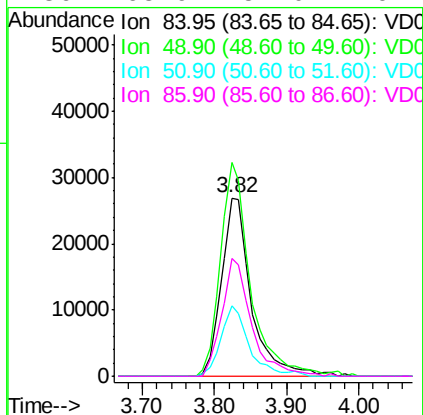
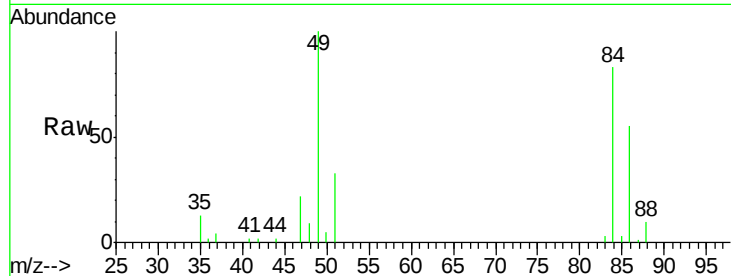




#20
Methvlene Chloride
Concen: 14.225 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

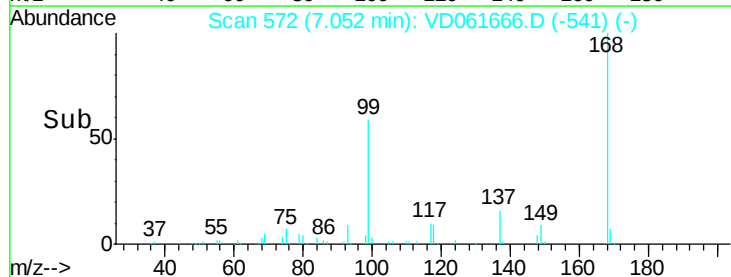
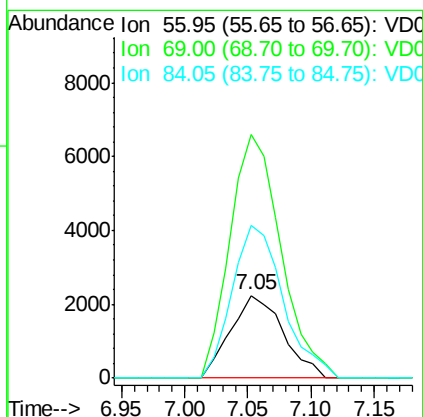
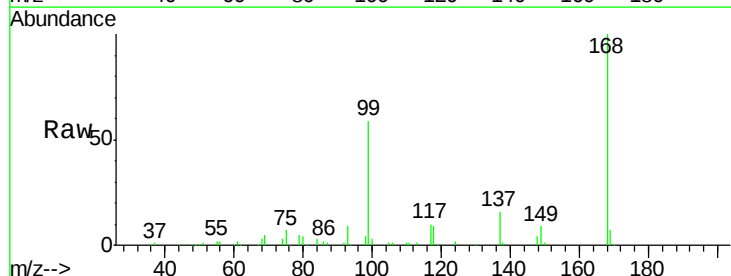
Instrument :
MSVOA_D
ClientSampled :

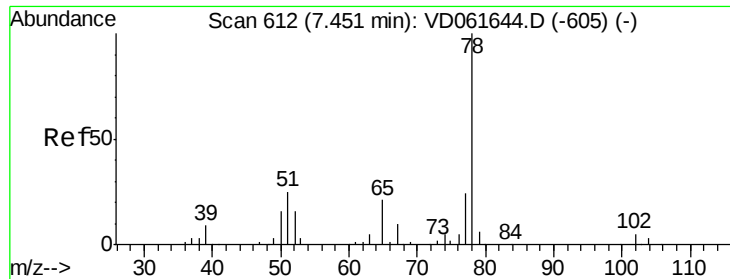
Tot Ion: 84 Resp: 76954
Ion Ratio Lower Upper
84 100
49 120.0 93.0 139.4
51 39.5 30.4 45.6
86 65.9 51.0 76.4



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

Tgt Ion: 56 Resp: 6506
Ion Ratio Lower Upper
56 100
69 293.9 25.8 38.6#
84 185.0 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061666.D

Acq: 8 Apr 2019 22:45

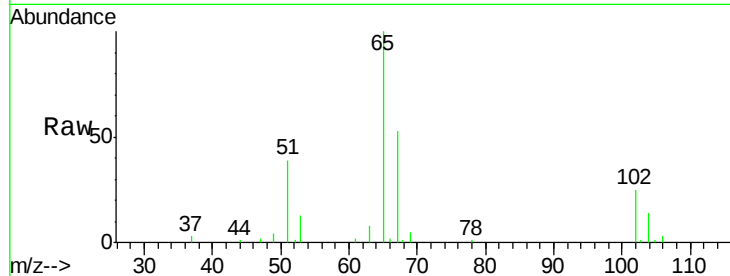
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 142203

Ion Ratio Lower Upper

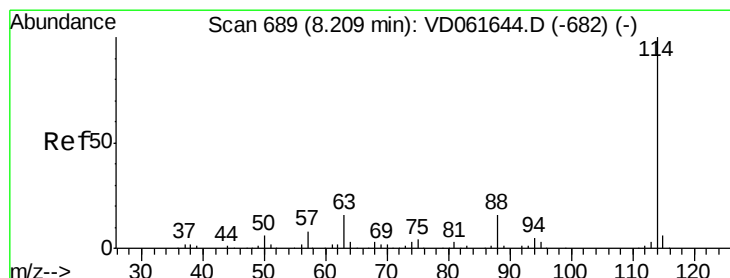
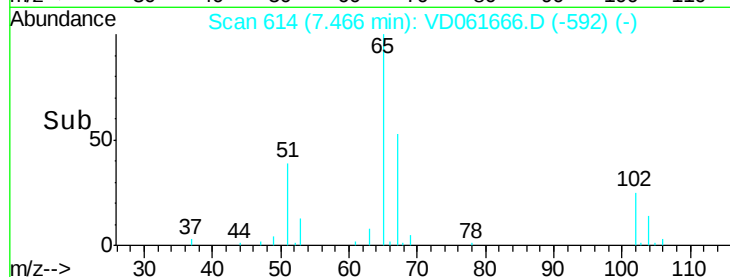
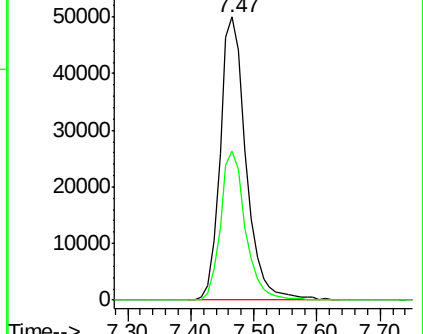
65 100

67 52.8 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: VD061666.D

Acq: 8 Apr 2019 22:45

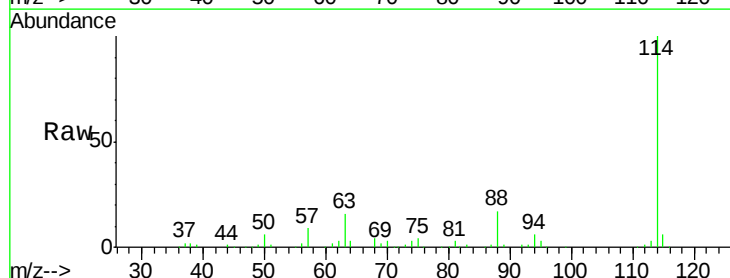
Tgt Ion: 114 Resp: 741405

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.2

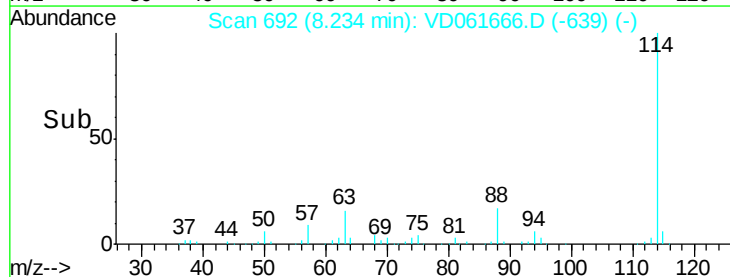
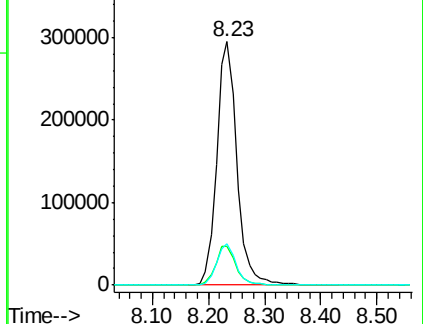
88 17.2 0.0 31.8

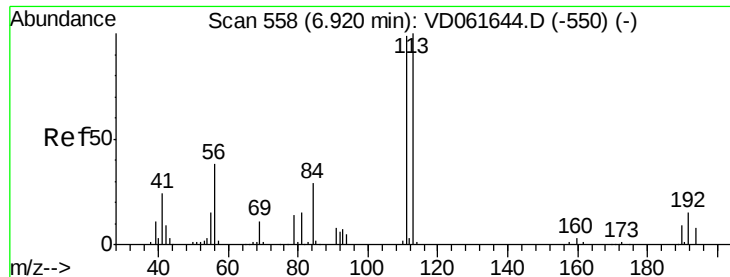


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

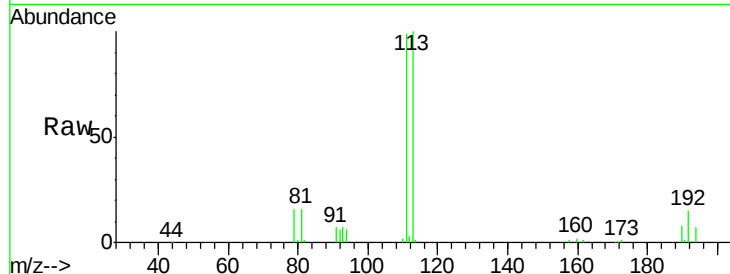




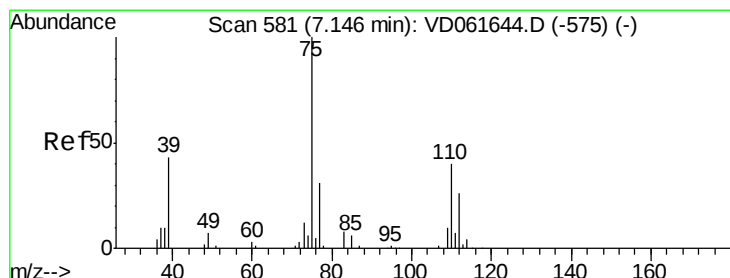
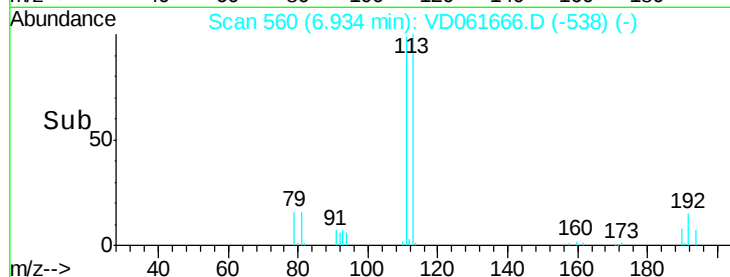
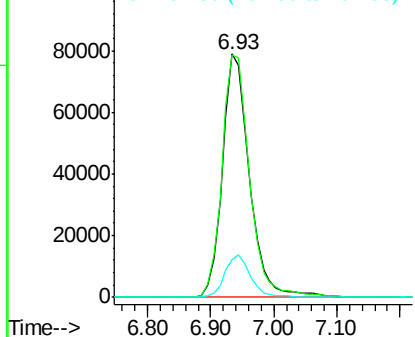
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061666.D
 Acq: 8 Apr 2019 22:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 233947
 Ion Ratio Lower Upper
 113 100
 111 99.4 79.3 118.9
 192 15.4 12.3 18.5

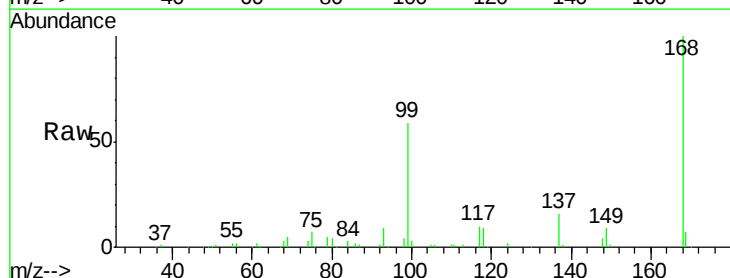


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

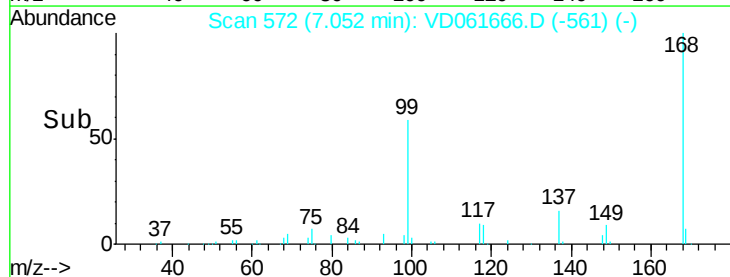
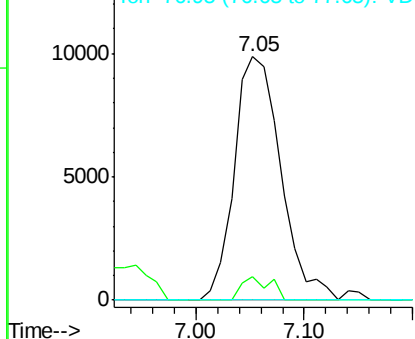


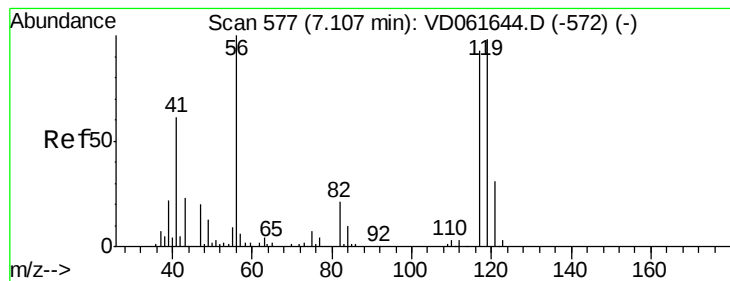
#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061666.D
 Acq: 8 Apr 2019 22:45

Tgt Ion: 75 Resp: 29584
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.7 59.0#
 77 0.0 24.8 37.2#



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: 5.322 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061666.D

Acq: 8 Apr 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

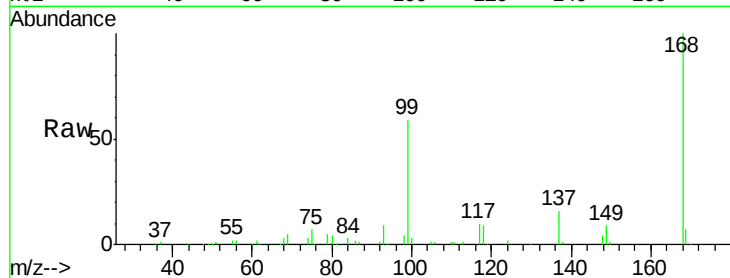
Tot Ion:117 Resp: 40472

Ion Ratio Lower Upper

117 100

119 3.7 77.9 116.9#

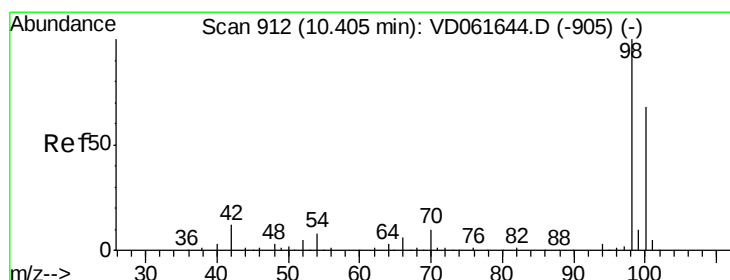
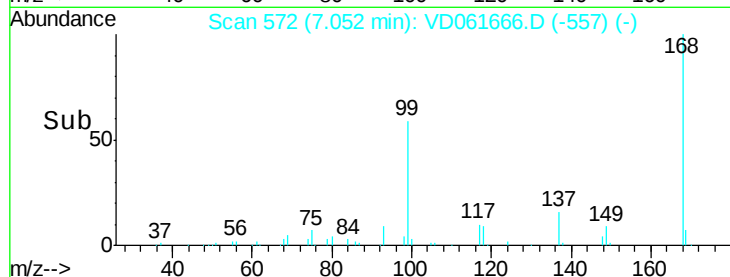
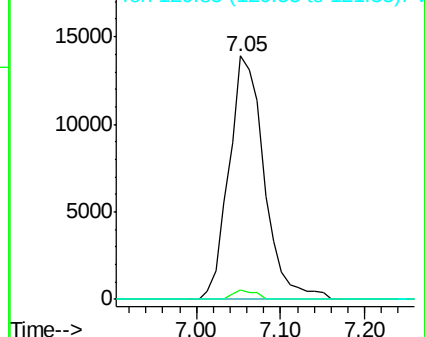
121 0.0 24.7 37.1#



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: VD061666.D

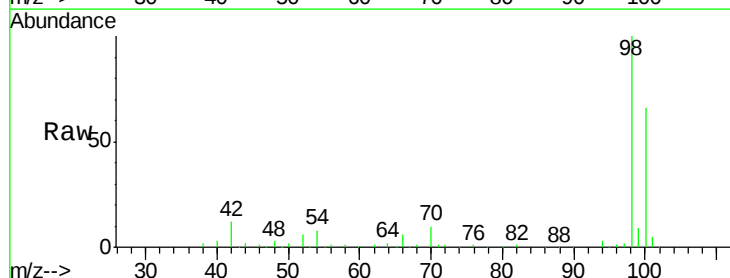
Acq: 8 Apr 2019 22:45

Tgt Ion: 98 Resp: 523940

Ion Ratio Lower Upper

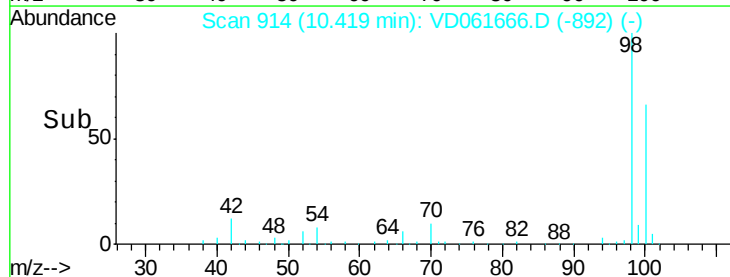
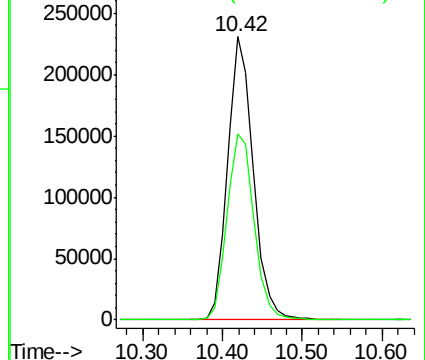
98 100

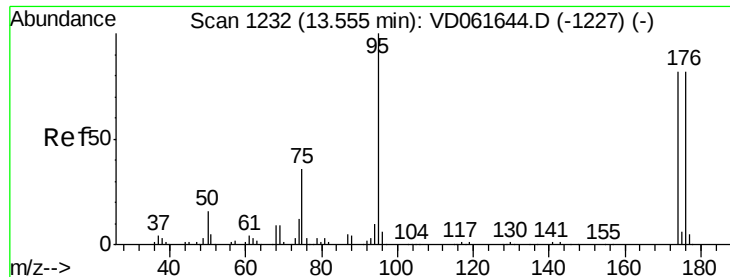
100 65.7 55.4 83.0



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061666.D

Acq: 8 Apr 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

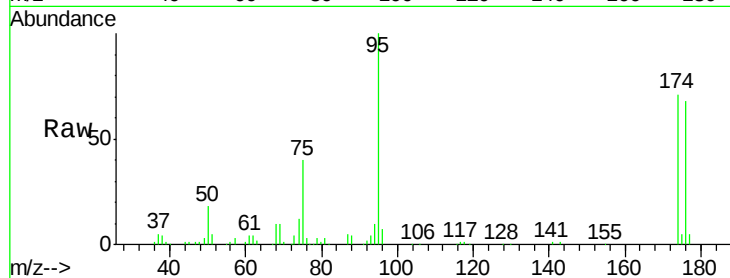
Tot Ion: 95 Resp: 202614

Ion Ratio Lower Upper

95 100

174 71.4 0.0 164.6

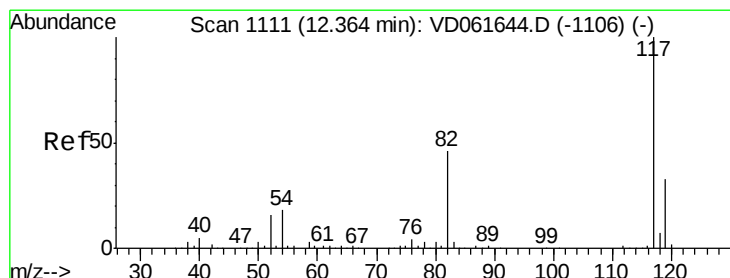
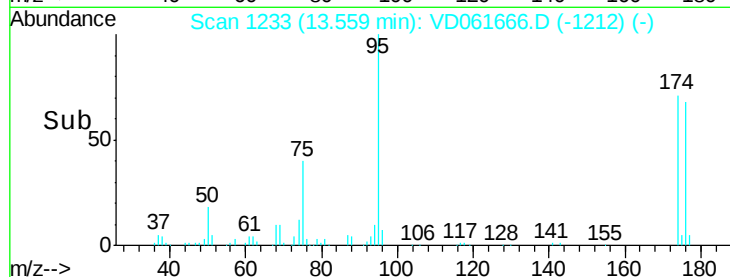
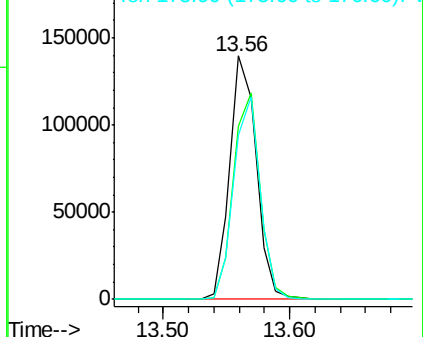
176 67.6 0.0 165.0



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: VD061666.D

Acq: 8 Apr 2019 22:45

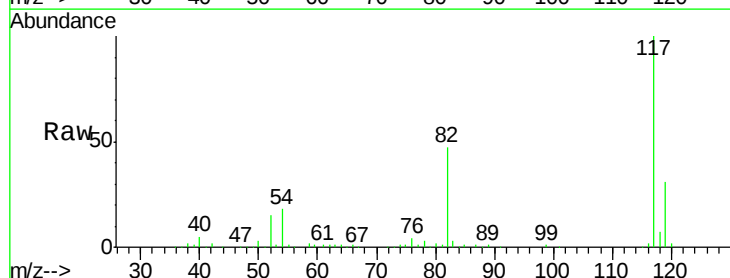
Tgt Ion: 117 Resp: 604859

Ion Ratio Lower Upper

117 100

82 46.6 36.8 55.2

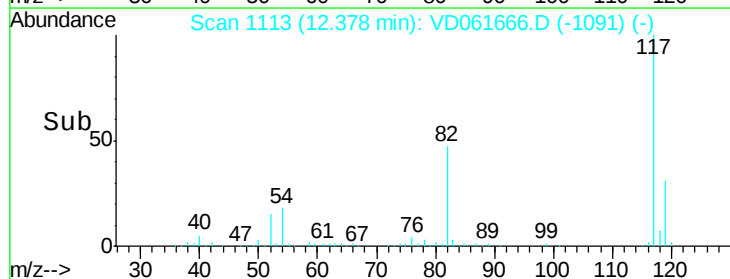
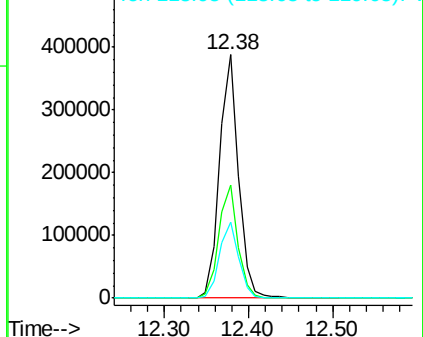
119 31.3 26.1 39.1

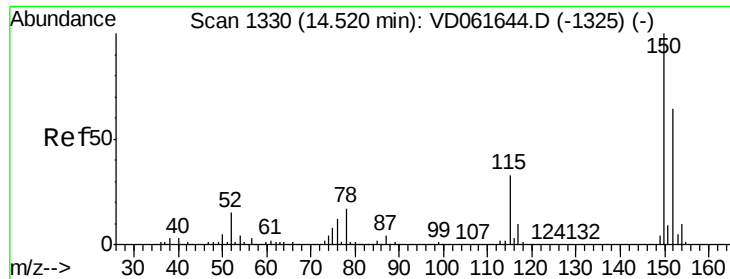


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



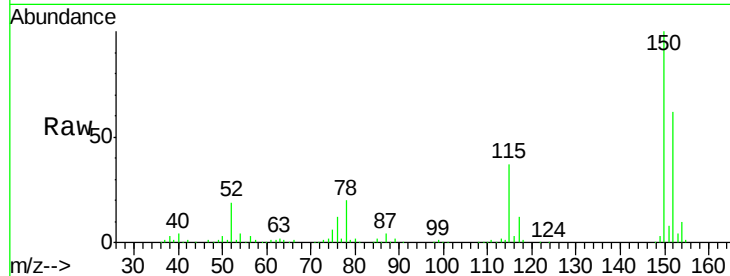


#72

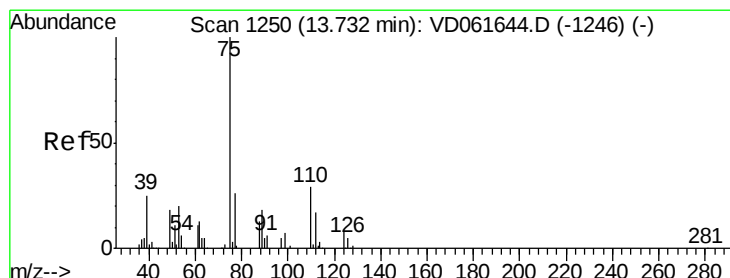
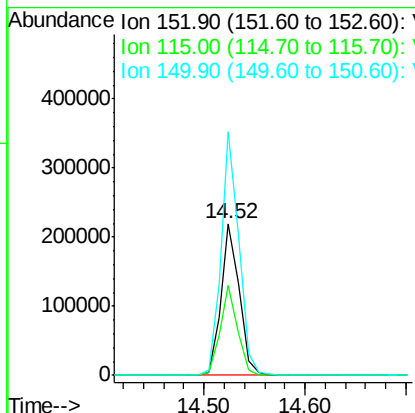
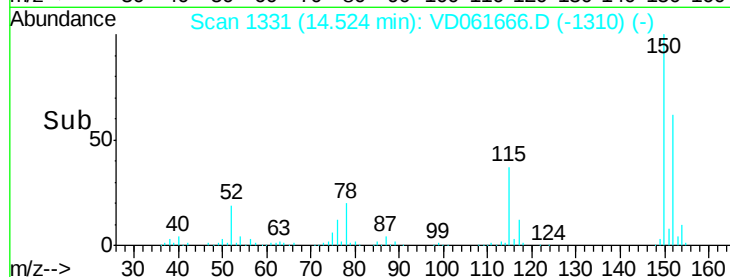
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 277387
Ion Ratio Lower Upper
152 100
115 59.2 26.4 79.2
150 160.3 0.0 320.6



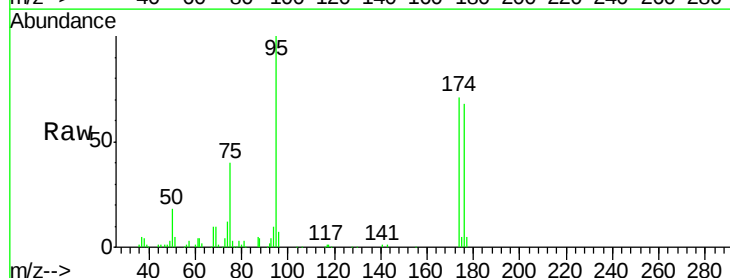
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



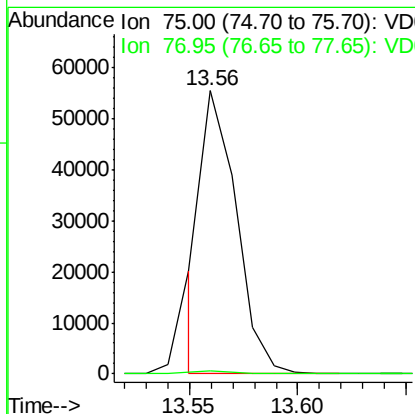
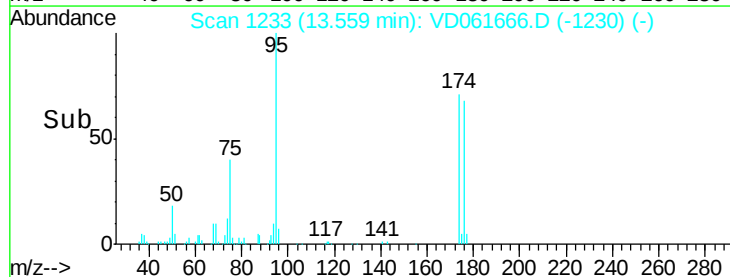
#76

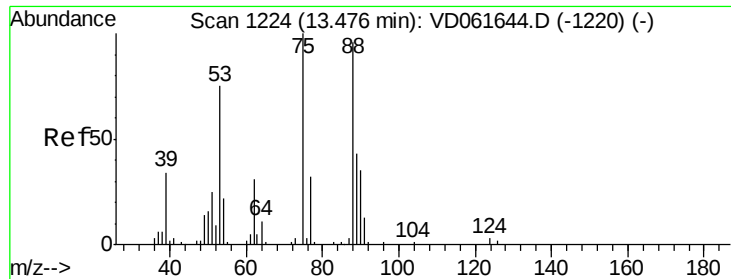
1,2,3-Trichloropropane
Concen: 16.510 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD061666.D
Acq: 8 Apr 2019 22:45

Tgt Ion: 75 Resp: 62306
Ion Ratio Lower Upper
75 100
77 1.2 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: 65.818 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061666.D

Acq: 8 Apr 2019 22:45

Instrument :

MSVOA_D

ClientSampleId :

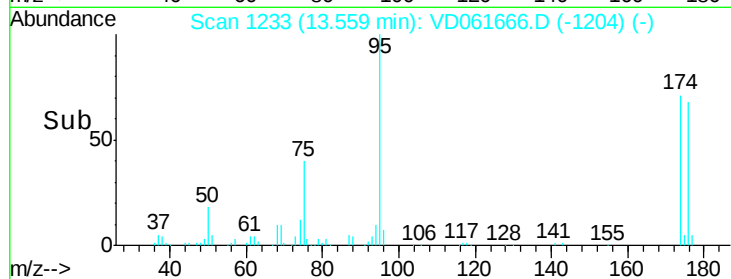
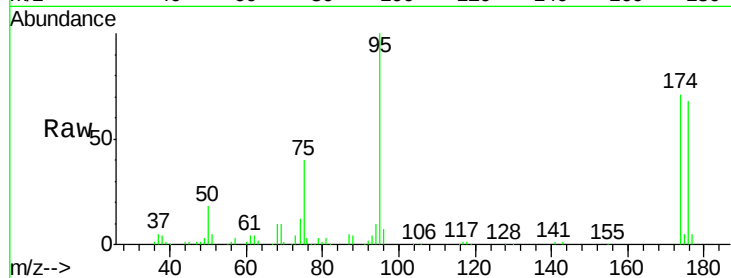
Tot Ion: 75 Resp: 75374

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

