

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061742.D
 Acq On : 11 Apr 2019 15:48
 Operator : VA/AP
 Sample : K2200-01
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 01:00:59 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	7.04	168	269413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	425836	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	339347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	184362	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	177288	86.82	ug/l	0.00
Spiked Amount			Recovery	=	173.64%	
35) Dibromofluoromethane	6.91	113	233372	79.11	ug/l	0.00
Spiked Amount			Recovery	=	158.22%	
50) Toluene-d8	10.40	98	291876	39.38	ug/l	0.00
Spiked Amount			Recovery	=	78.76%	
62) 4-Bromofluorobenzene	13.55	95	177880	76.43	ug/l	0.00
Spiked Amount			Recovery	=	152.86%	

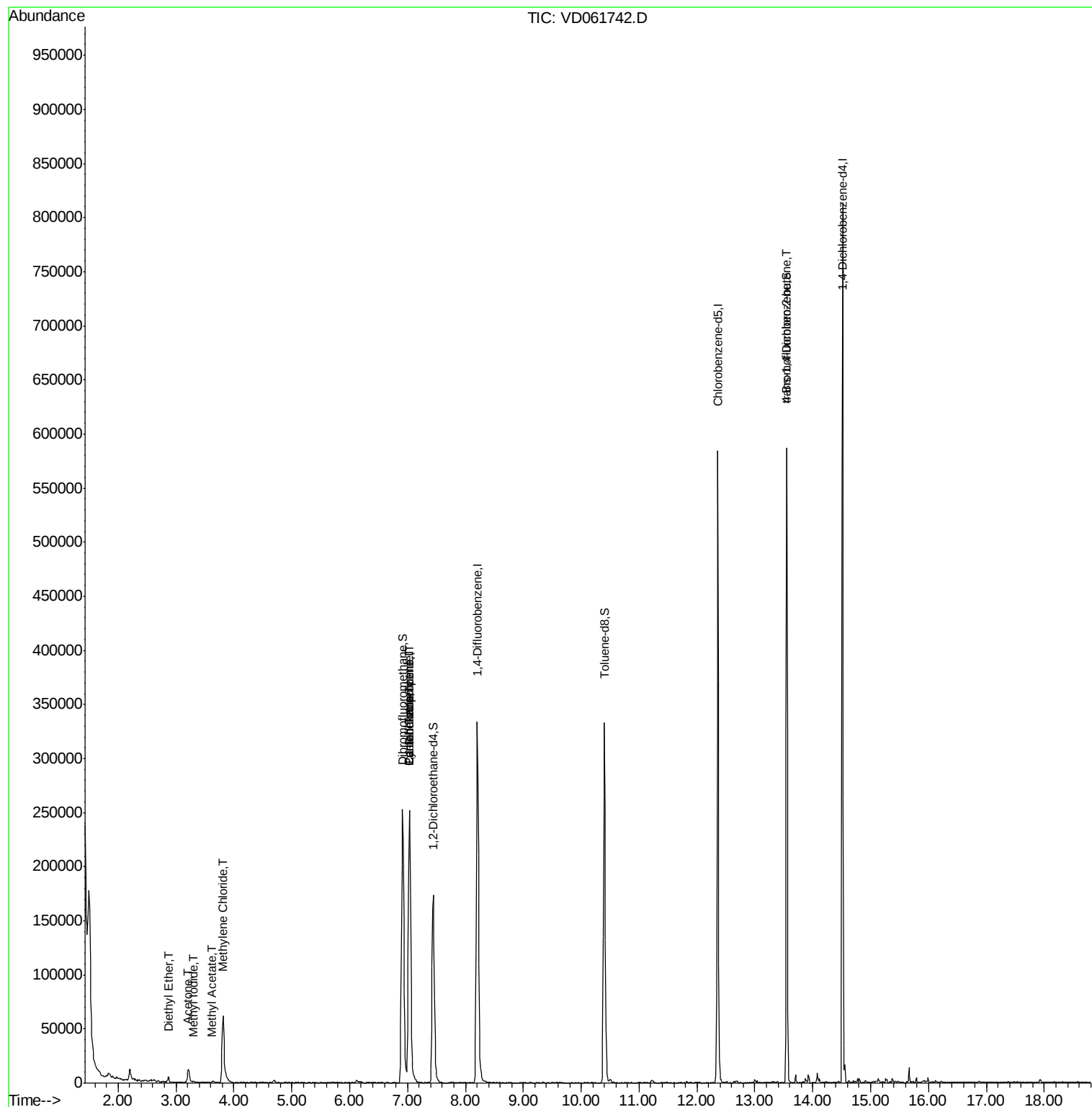
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	1965	2.113	ug/l	97
10) Methyl Iodide	3.31	142	180	3.689	ug/l #	38
16) Acetone	3.21	43	22279	36.495	ug/l #	86
18) Methyl Acetate	3.64	43	1384	1.205	ug/l #	53
20) Methylene Chloride	3.81	84	48190	13.911	ug/l	98
31) Cyclohexane	7.04	56	3849	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	18597	4.990	ug/l #	47
38) Carbon Tetrachloride	7.03	117	25991	5.951	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	66162	86.925	ug/l #	20

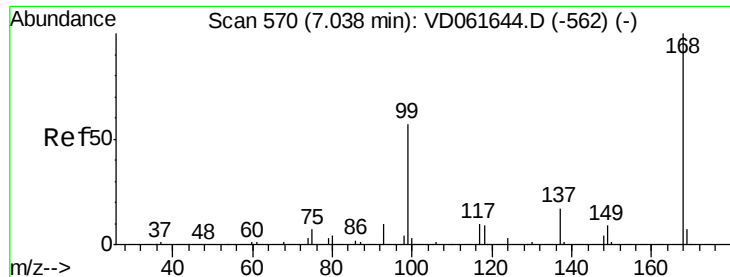
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041119\
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Quant Time: Apr 12 01:00:59 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: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

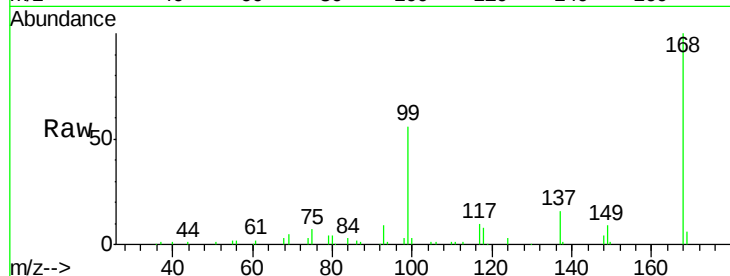
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 269413

Ion Ratio Lower Upper

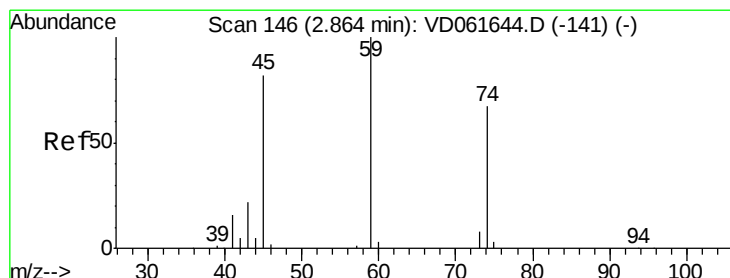
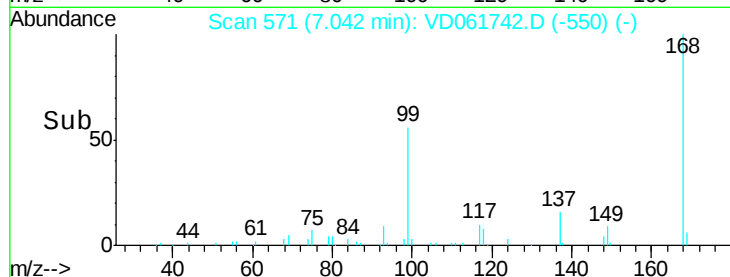
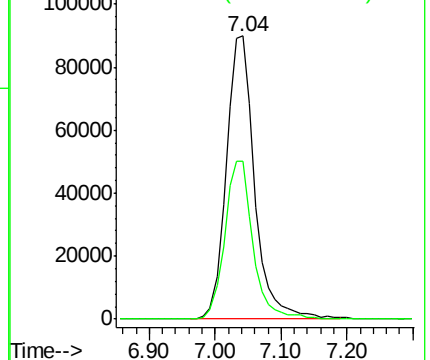
168 100

99 56.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.113 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061742.D

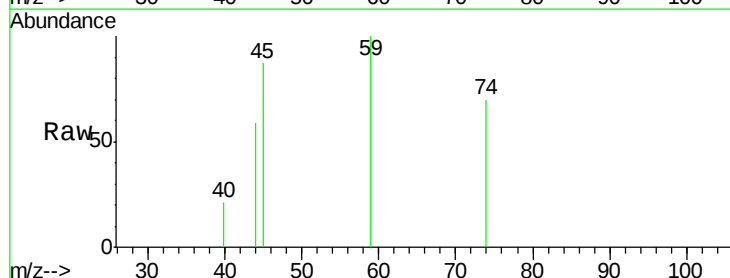
Acq: 11 Apr 2019 15:48

Tgt Ion: 74 Resp: 1965

Ion Ratio Lower Upper

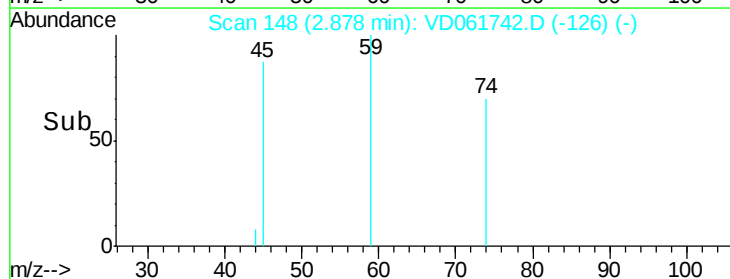
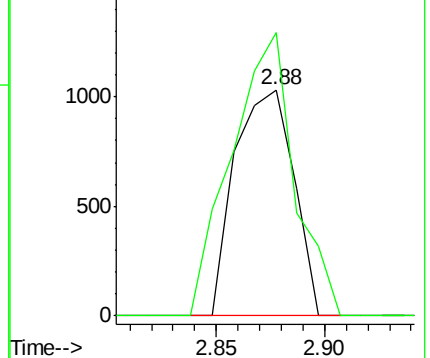
74 100

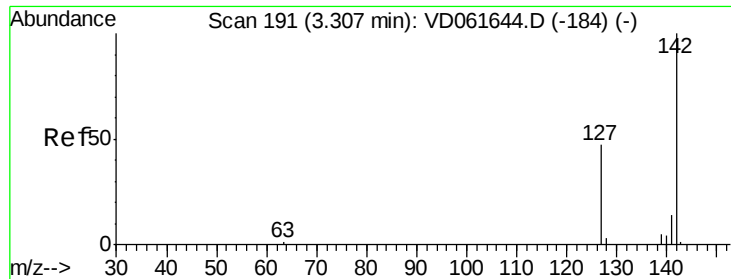
45 125.2 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

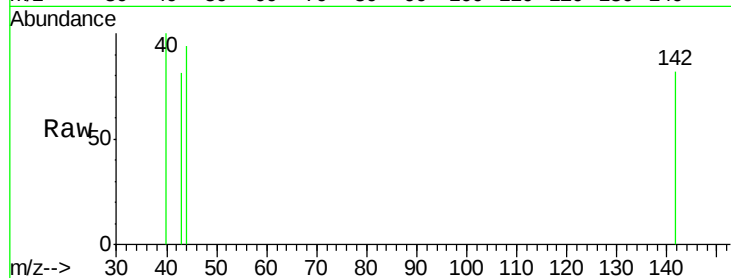




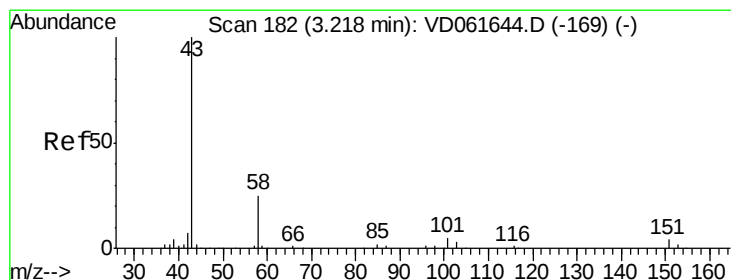
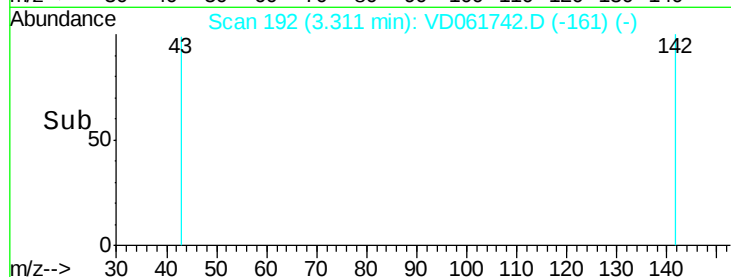
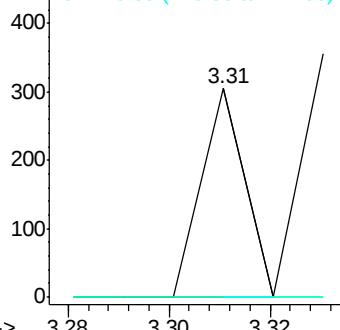
#10
Methvl Iodide
Concen: 3.689 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.00 min
Lab File: VD061742.D
Acq: 11 Apr 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 0.0 10.8 16.2#

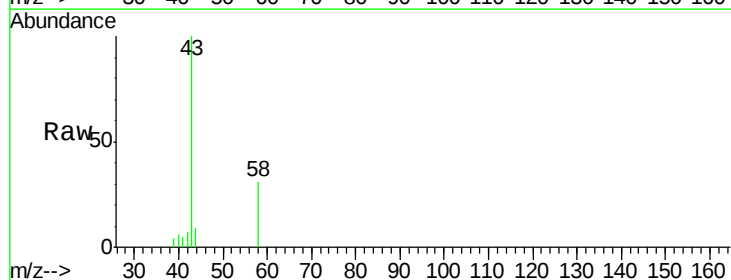


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

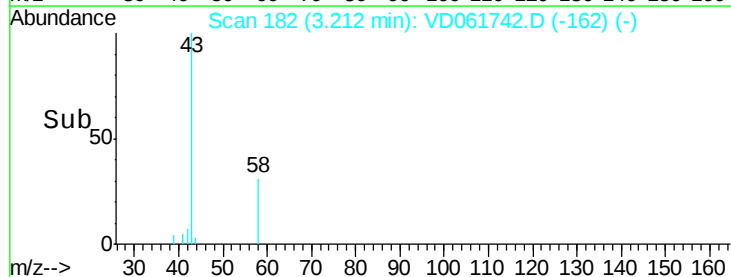
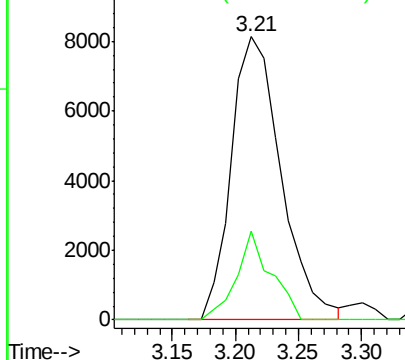


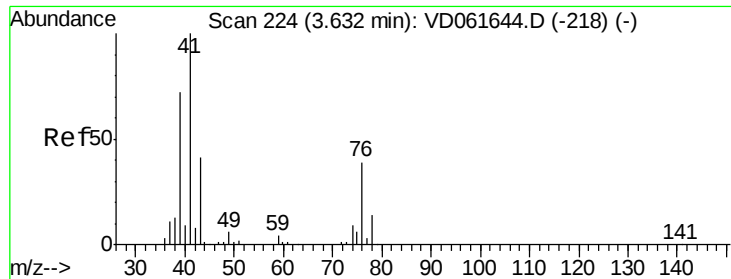
#16
Acetone
Concen: 36.495 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061742.D
Acq: 11 Apr 2019 15:48

Tgt Ion: 43 Resp: 22279
Ion Ratio Lower Upper
43 100
58 31.4 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

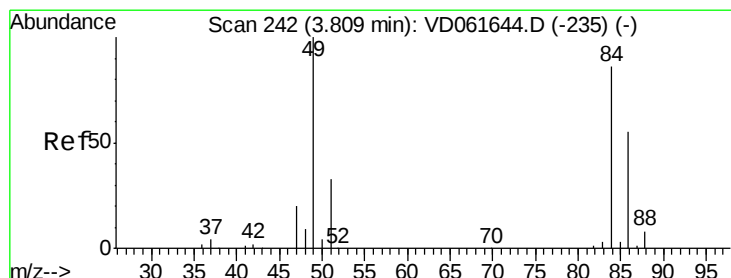
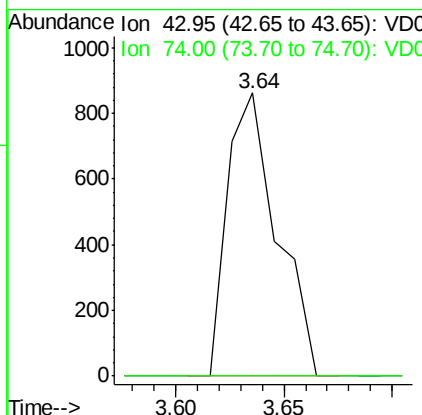
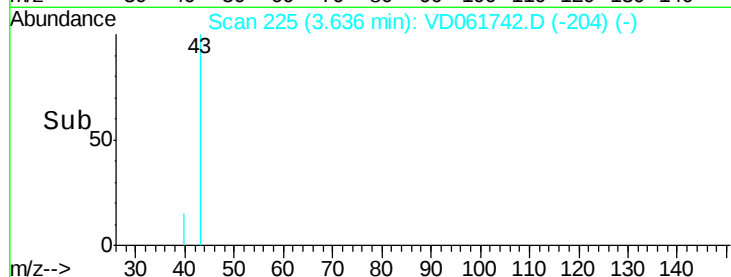
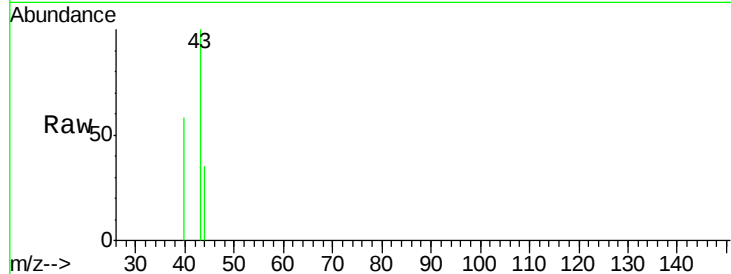




#18
Methyl Acetate
Concen: 1.205 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061742.D
Acq: 11 Apr 2019 15:48

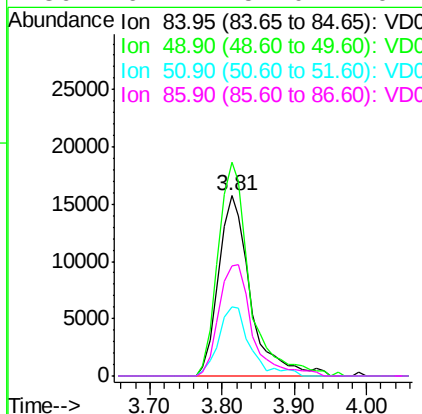
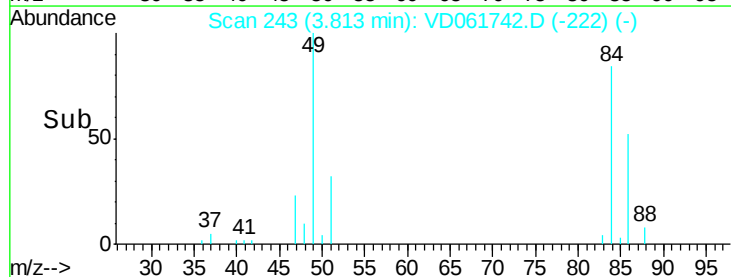
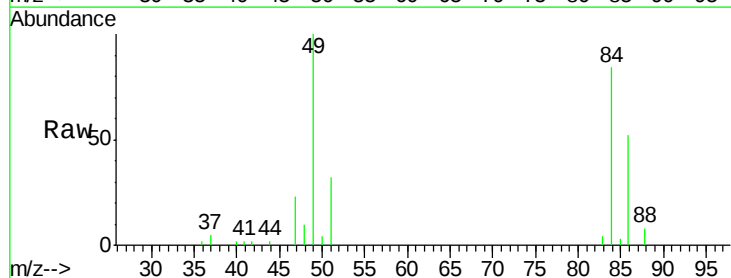
Instrument :
MSVOA_D
ClientSampleId :

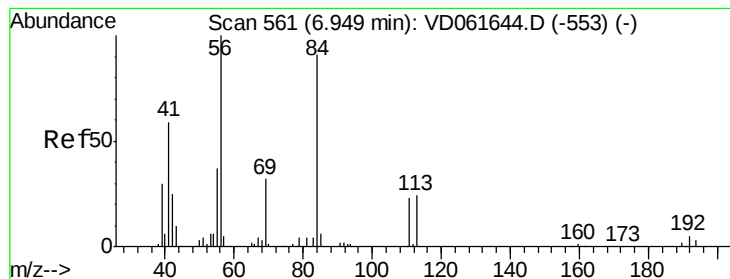
Tot Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 13.911 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061742.D
Acq: 11 Apr 2019 15:48

Tgt Ion: 84 Resp: 48190
Ion Ratio Lower Upper
84 100
49 118.7 93.0 139.4
51 38.5 30.4 45.6
86 61.2 51.0 76.4





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

Instrument :
MSVOA_D
ClientSampleId :

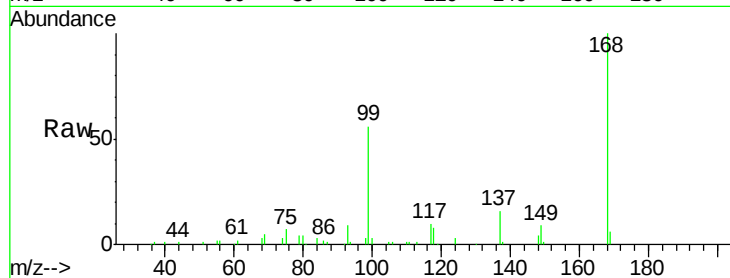
Tot Ion: 56 Resp: 3849

Ion Ratio Lower Upper

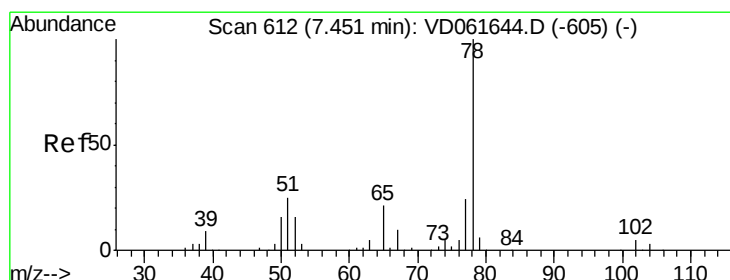
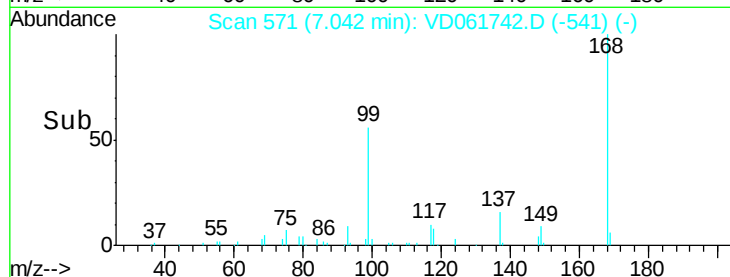
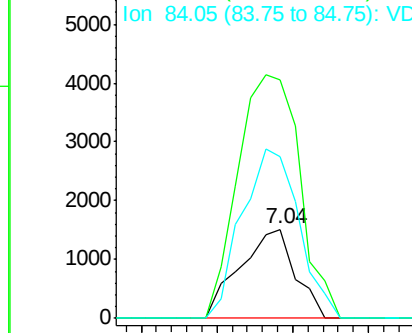
56 100

69 268.8 25.8 38.6#

84 181.7 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: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061742.D

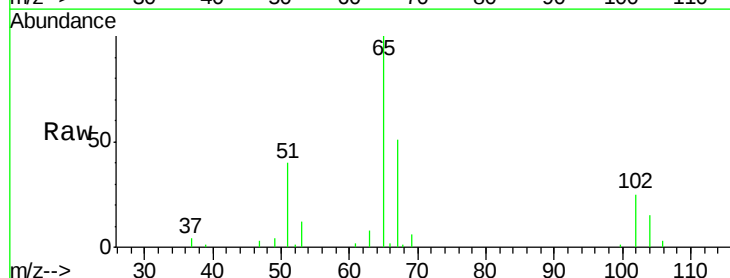
Acq: 11 Apr 2019 15:48

Tgt Ion: 65 Resp: 177288

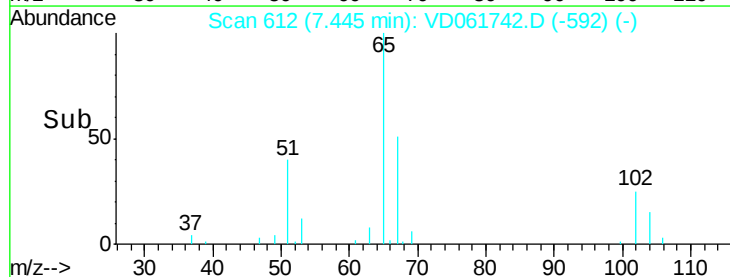
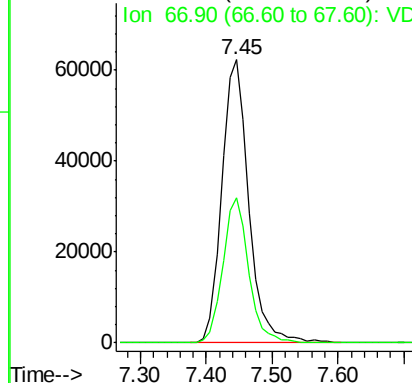
Ion Ratio Lower Upper

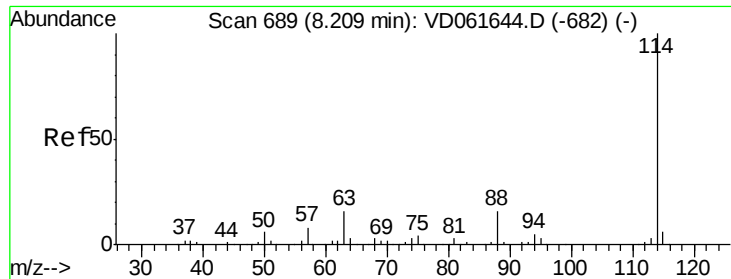
65 100

67 51.3 0.0 99.4



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

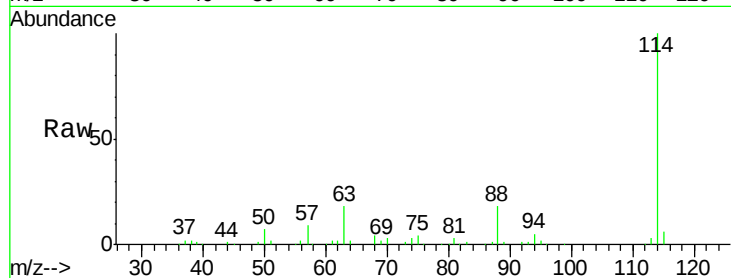




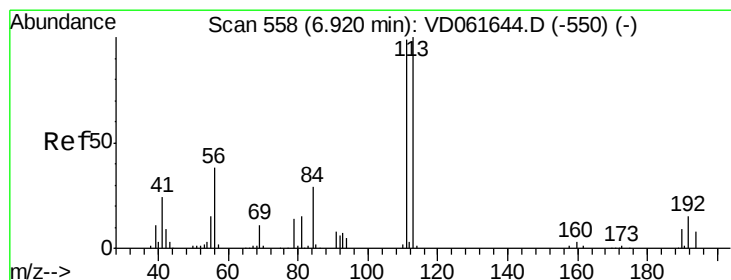
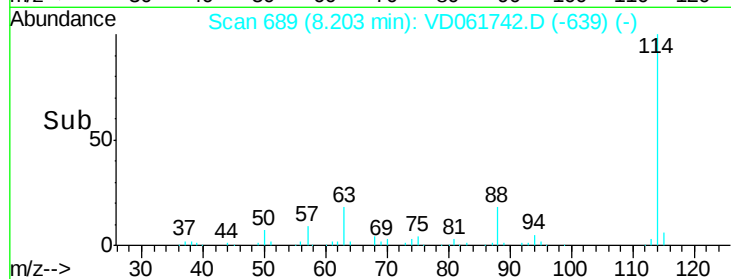
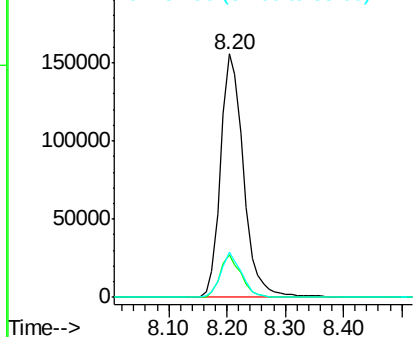
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061742.D
 Acq: 11 Apr 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 425836
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 31.2
 88 18.3 0.0 31.8

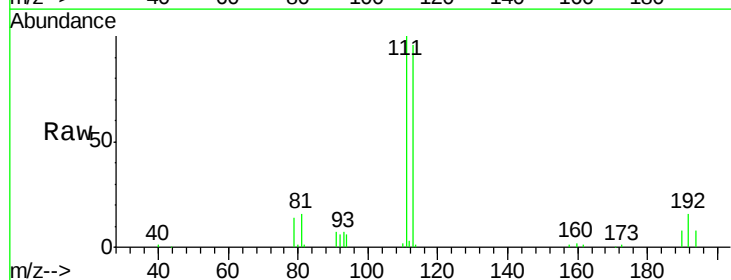


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

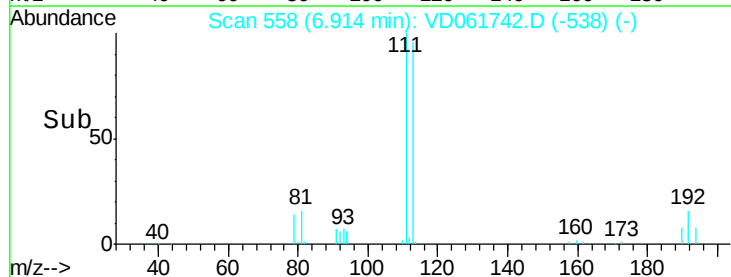
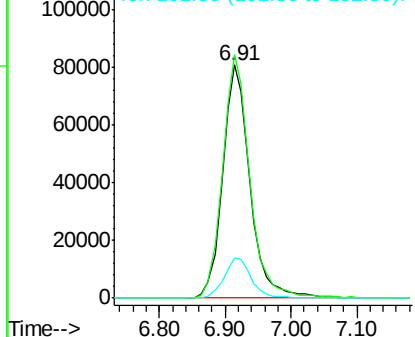


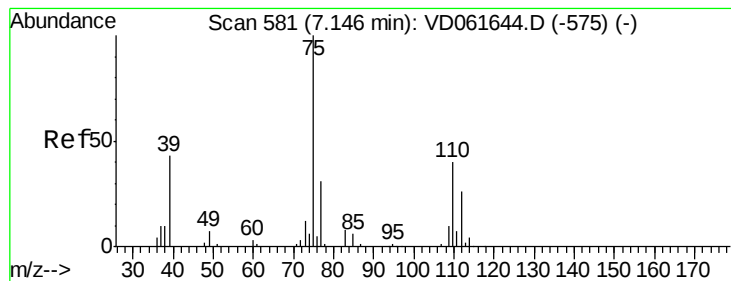
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061742.D
 Acq: 11 Apr 2019 15:48

Tgt Ion:113 Resp: 233372
 Ion Ratio Lower Upper
 113 100
 111 104.4 79.3 118.9
 192 17.2 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: 4.990 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

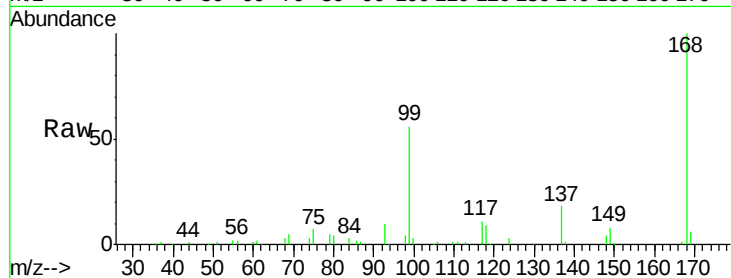
Tot Ion: 75 Resp: 18597

Ion Ratio Lower Upper

75 100

110 8.3 19.7 59.0#

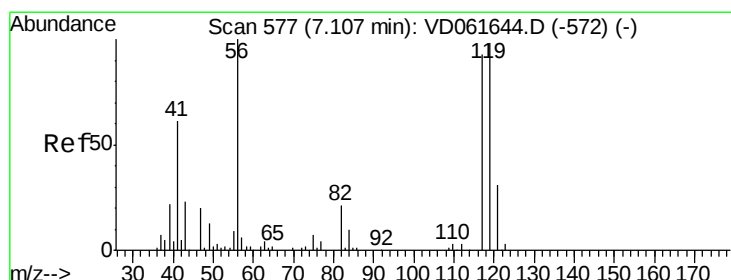
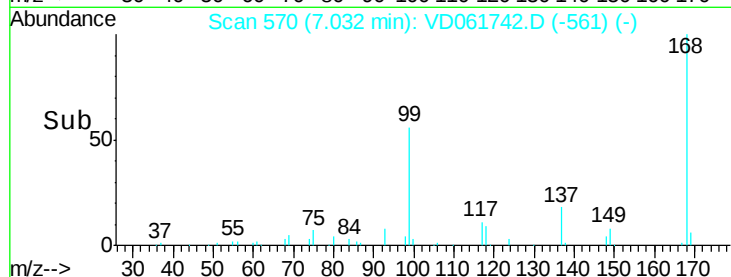
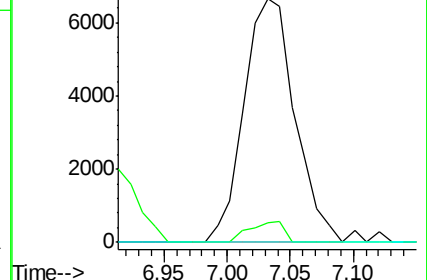
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.951 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

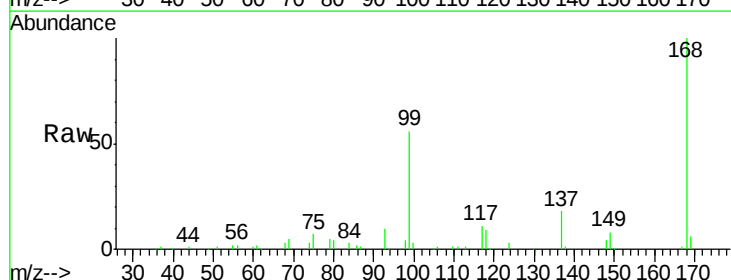
Tgt Ion: 117 Resp: 25991

Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

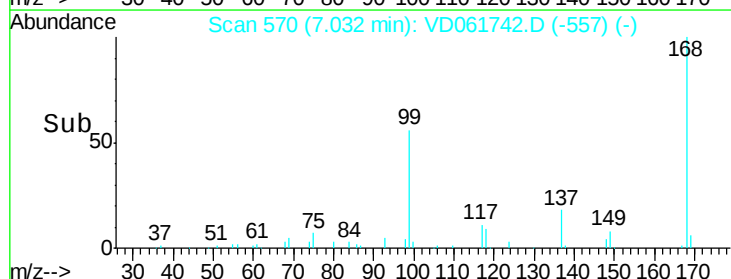
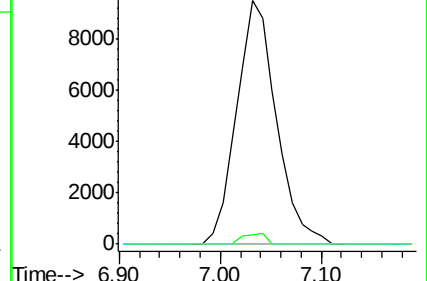
121 0.0 24.7 37.1#

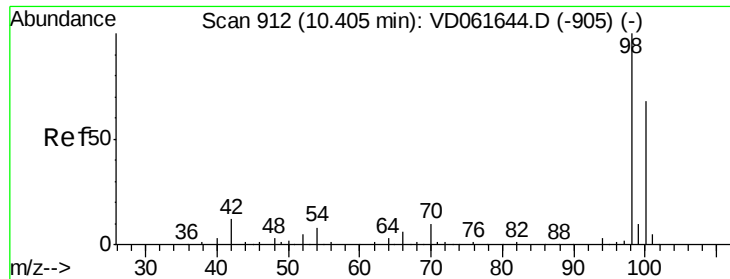


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

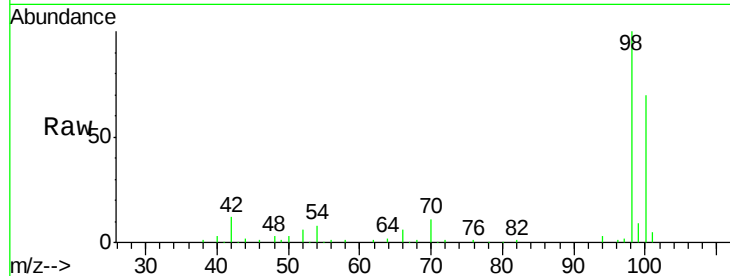
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 291876

Ion Ratio Lower Upper

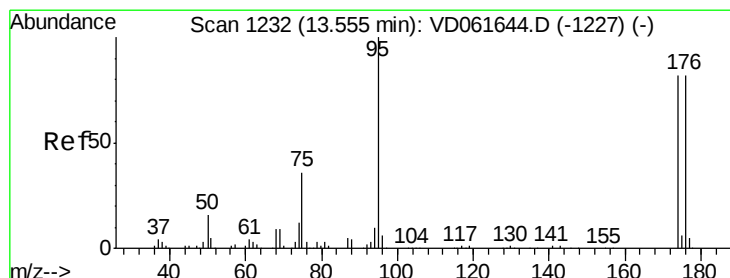
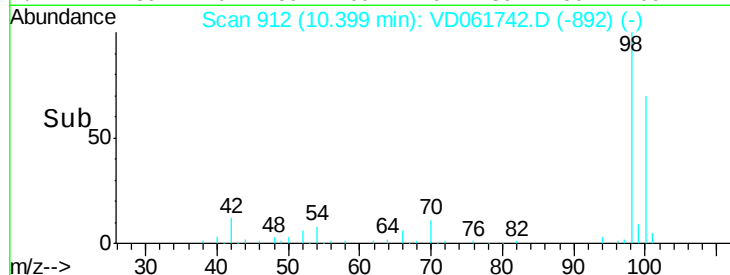
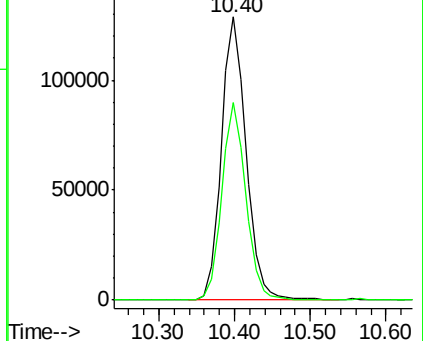
98 100

100 69.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061742.D (-892) (-)

Ion 100.05 (99.75 to 100.75): VD061742.D (-892) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

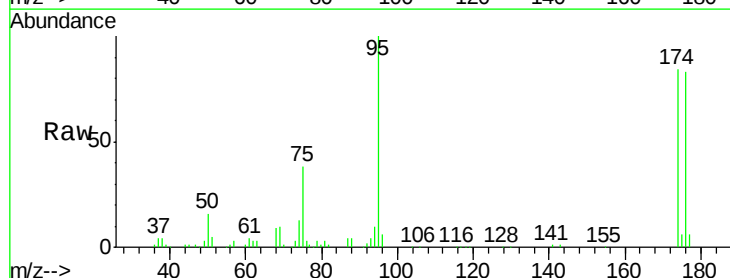
Tgt Ion: 95 Resp: 177880

Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.6

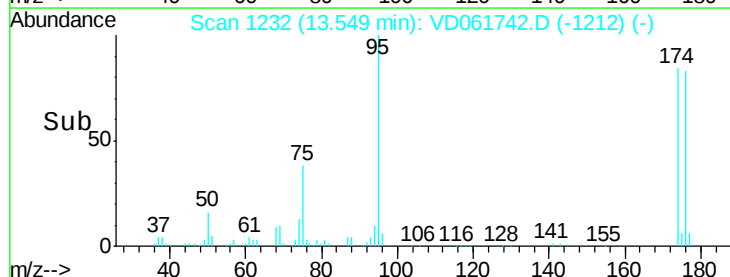
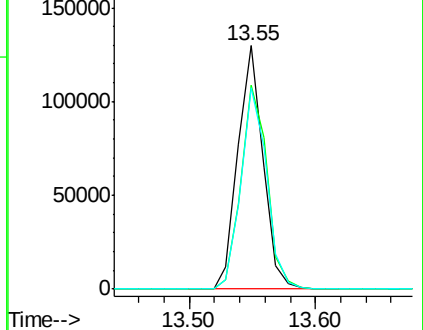
176 83.0 0.0 165.0

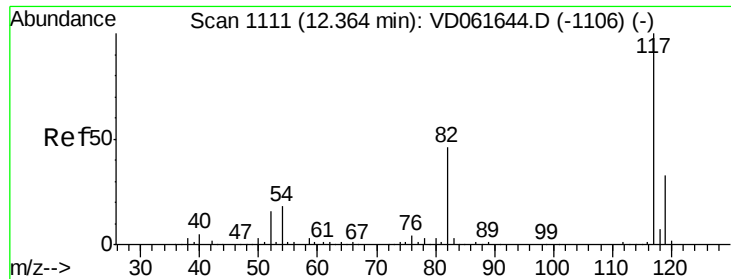


Abundance Ion 95.00 (94.70 to 95.70): VD061742.D (-1212) (-)

Ion 173.90 (173.60 to 174.60): VD061742.D (-1212) (-)

Ion 175.90 (175.60 to 176.60): VD061742.D (-1212) (-)

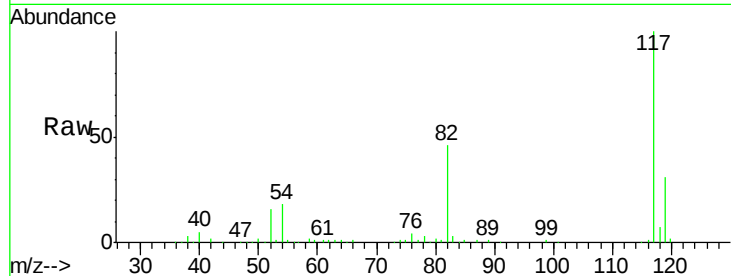




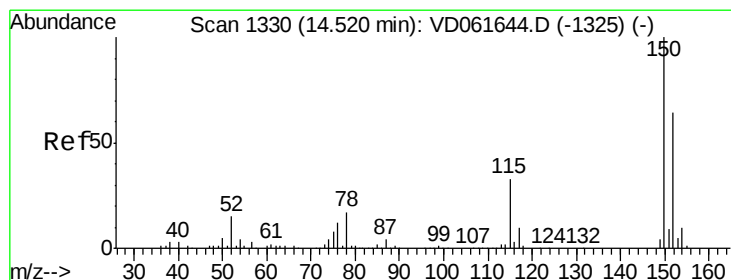
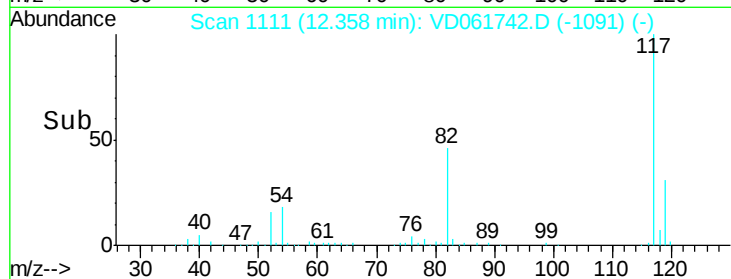
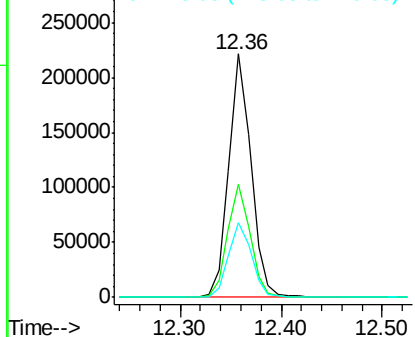
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VD061742.D
 Acq: 11 Apr 2019 15:48

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:117 Resp: 339347
 Ion Ratio Lower Upper
 117 100
 82 46.3 36.8 55.2
 119 30.7 26.1 39.1

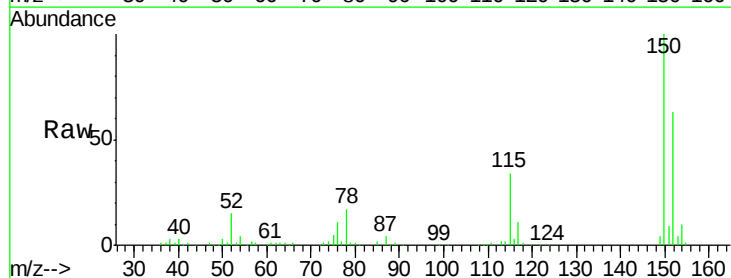


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

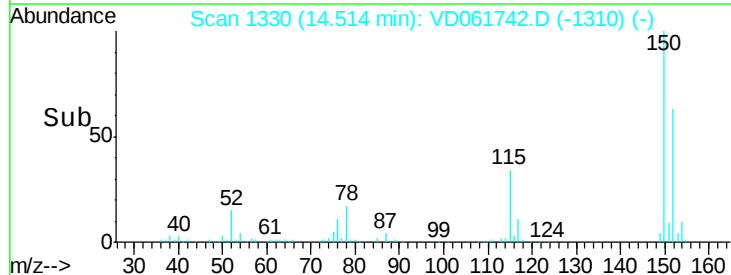
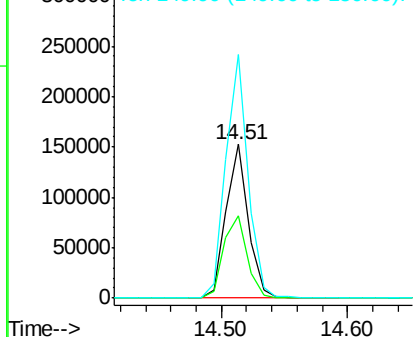


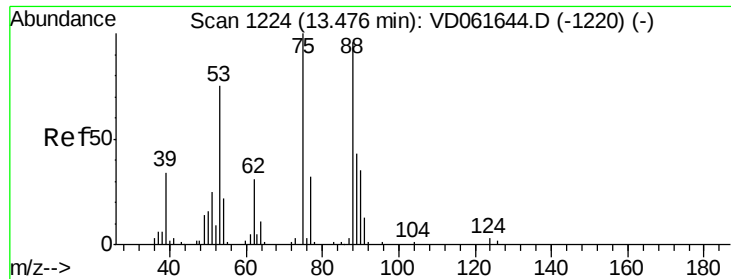
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD061742.D
 Acq: 11 Apr 2019 15:48

Tgt Ion:152 Resp: 184362
 Ion Ratio Lower Upper
 152 100
 115 53.6 26.4 79.2
 150 158.2 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





#81

trans-1,4-Dichloro-2-butene

Concen: 86.925 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061742.D

Acq: 11 Apr 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

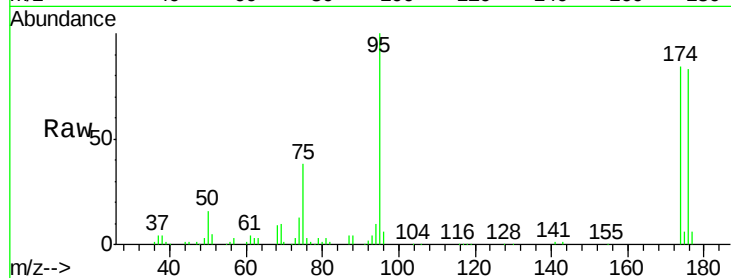
Tot Ion: 75 Resp: 66162

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

