

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062068.D
 Acq On : 29 Apr 2019 17:48
 Operator : FY/SY
 Sample : K2579-01
 Misc : 5.06µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

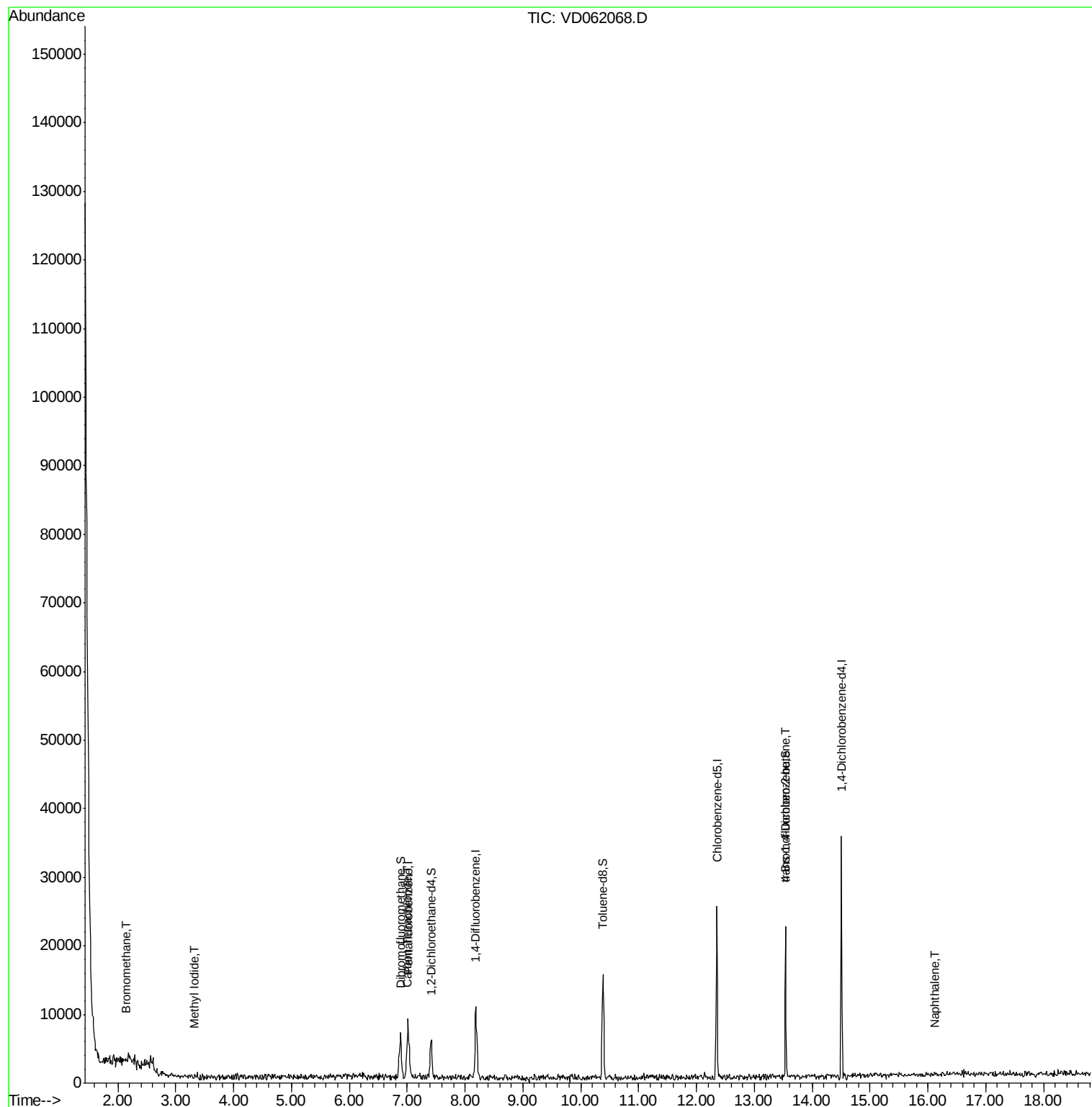
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	11335	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	17345	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	15834	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	8735	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.41	65	6274	70.72	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	141.44%	
35) Dibromofluoromethane	6.89	113	6734	56.14	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	112.28%	
50) Toluene-d8	10.38	98	15525	54.39	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	108.78%	
62) 4-Bromofluorobenzene	13.54	95	7118	62.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.34%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	666	29.847	ug/l #	12
10) Methyl Iodide	3.32	142	243	6.738	ug/l #	37
38) Carbon Tetrachloride	7.00	117	405	2.365	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	2457	73.096	ug/l #	16
95) Naphthalene	16.11	128	272	1.293	ug/l #	70

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042919\
Data File : VD062068.D
Acq On : 29 Apr 2019 17:48
Operator : FY/SY
Sample : K2579-01
Misc : 5.06µm/5mL/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 30 01:11:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

Instrument :

MSVOA_D

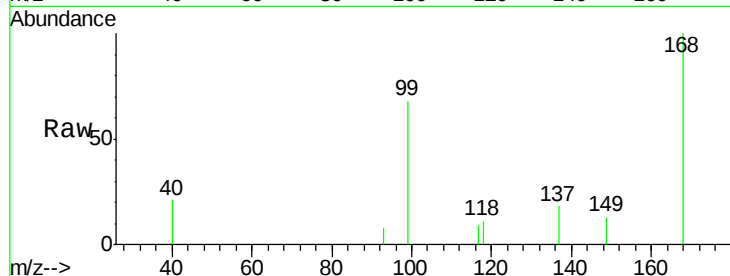
ClientSampleId :

Tot Ion:168 Resp: 11335

Ion Ratio Lower Upper

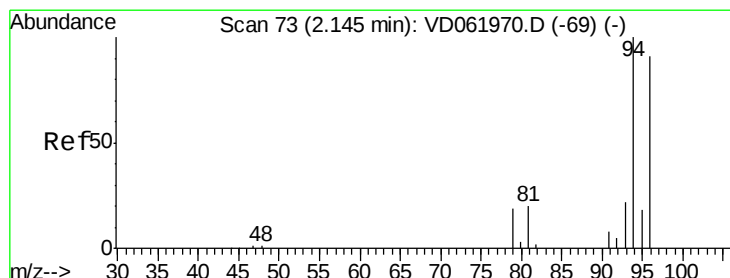
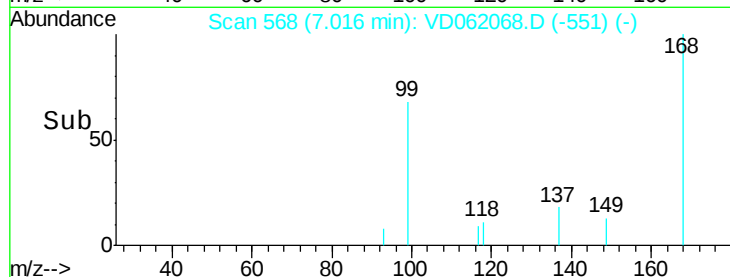
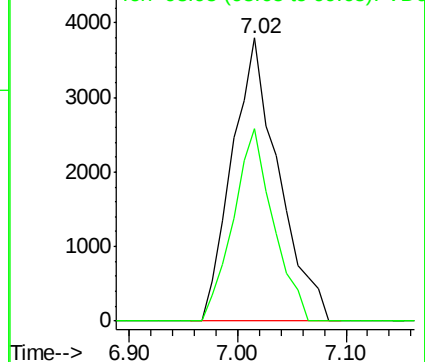
168 100

99 68.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 29.847 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

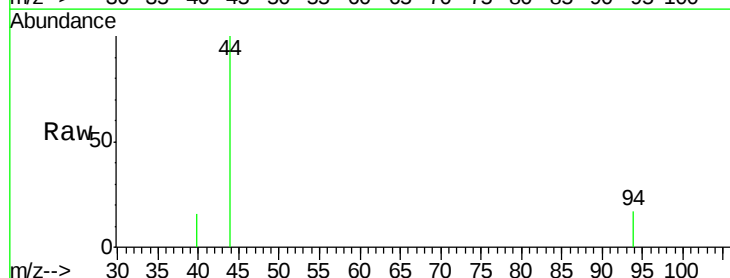
Tgt Ion: 94 Resp: 666

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

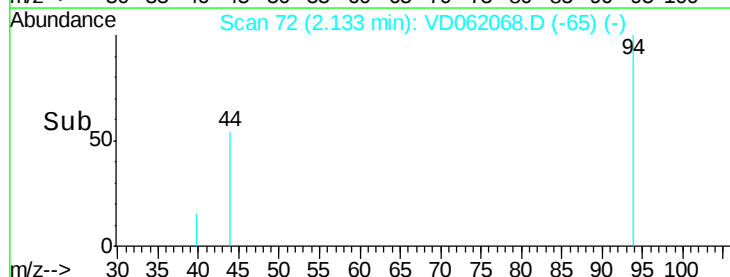
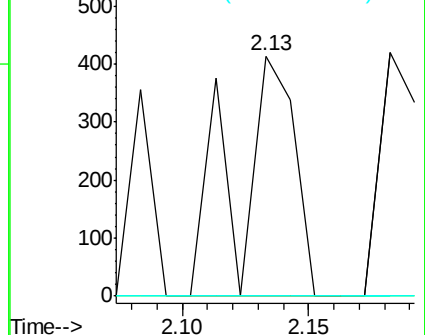
93 0.0 18.5 27.7#

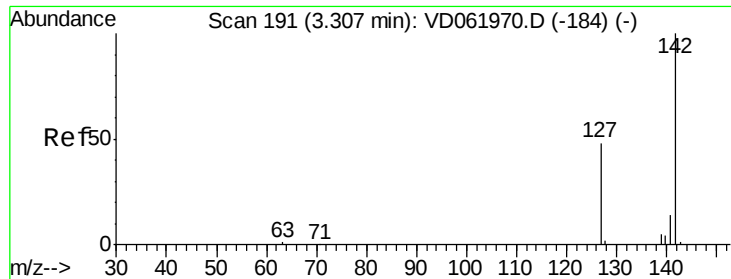


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

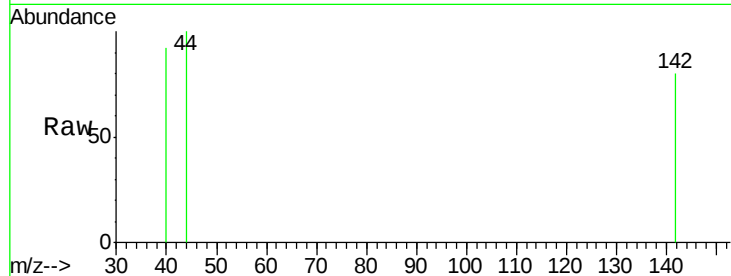




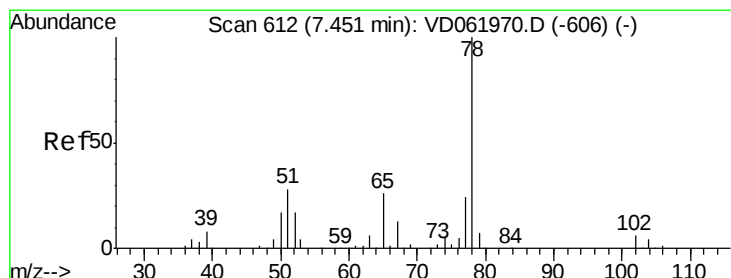
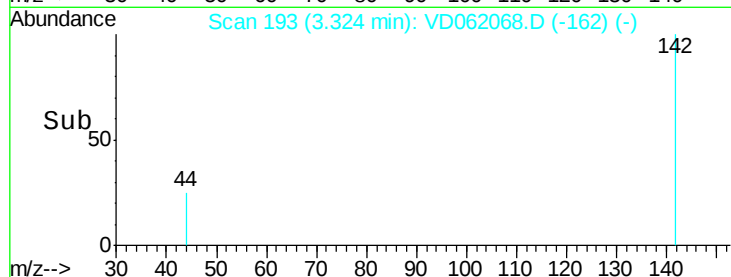
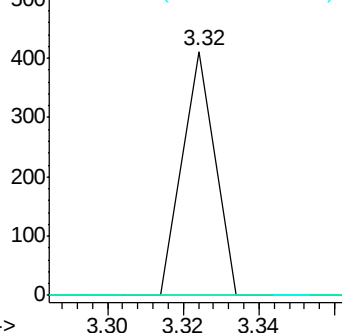
#10
Methvl Iodide
Concen: 6.738 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.00 min
Lab File: VD062068.D
Acq: 29 Apr 2019 17:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 243
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

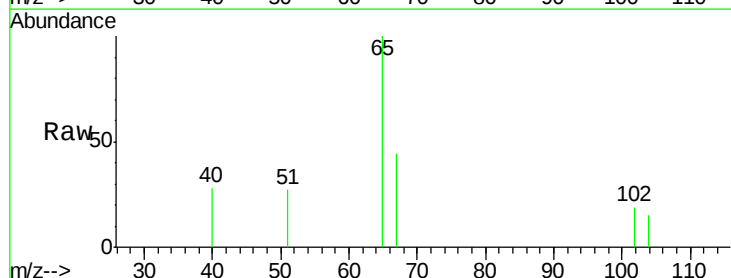


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

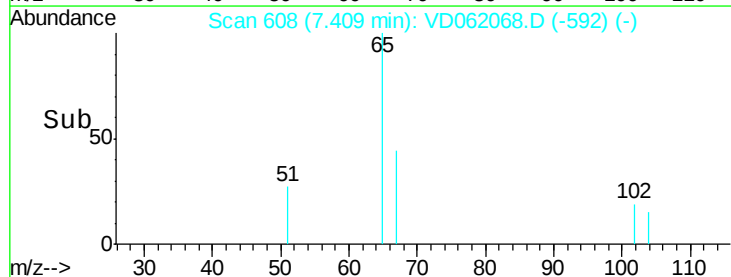
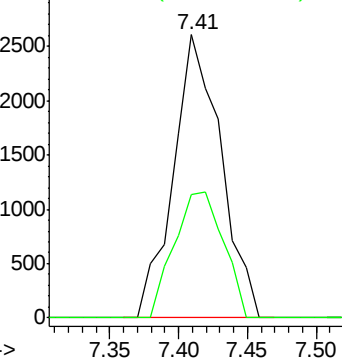


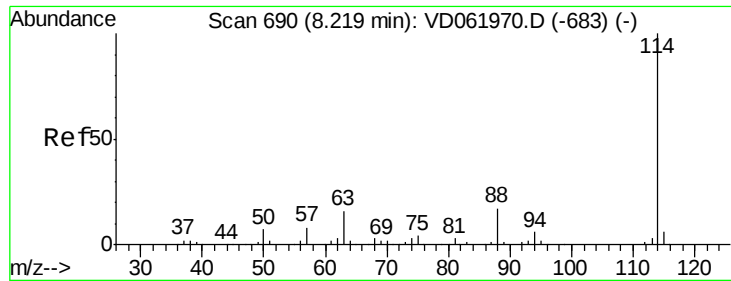
#33
1,2-Dichloroethane-d4
Concen: 70.721 ug/l
RT: 7.41 min Scan# 608
Delta R.T. -0.05 min
Lab File: VD062068.D
Acq: 29 Apr 2019 17:48

Tgt Ion: 65 Resp: 6274
Ion Ratio Lower Upper
65 100
67 43.6 0.0 98.0



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. -0.04 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

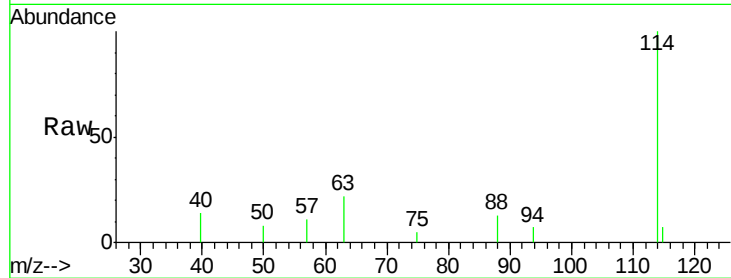
Tot Ion:114 Resp: 17345

Ion Ratio Lower Upper

114 100

63 21.6 0.0 32.4

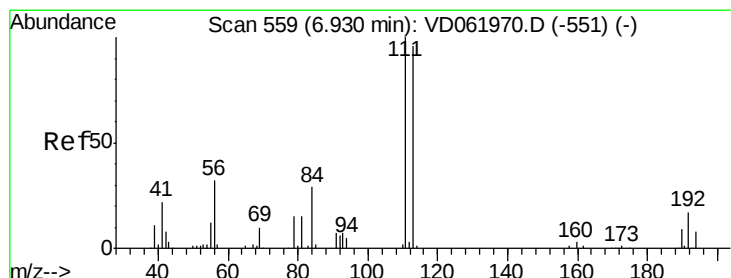
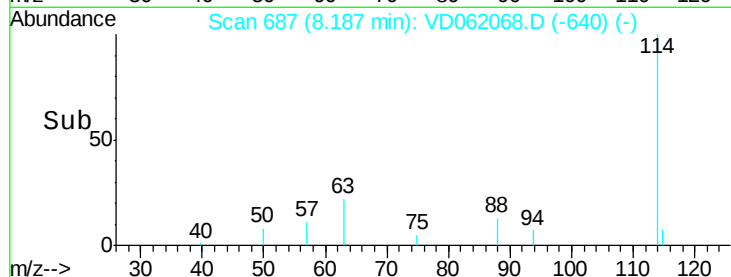
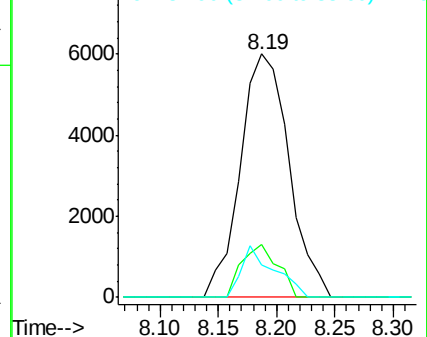
88 13.2 0.0 33.6



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: 56.137 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.05 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

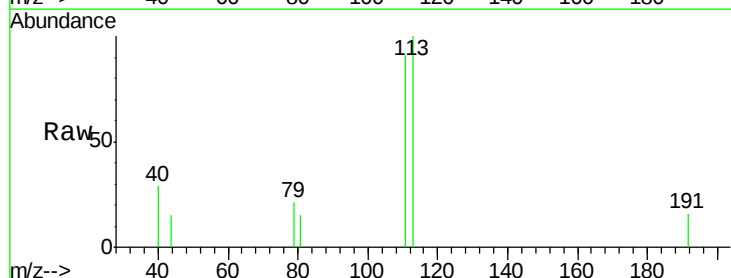
Tgt Ion:113 Resp: 6734

Ion Ratio Lower Upper

113 100

111 91.0 78.5 117.7

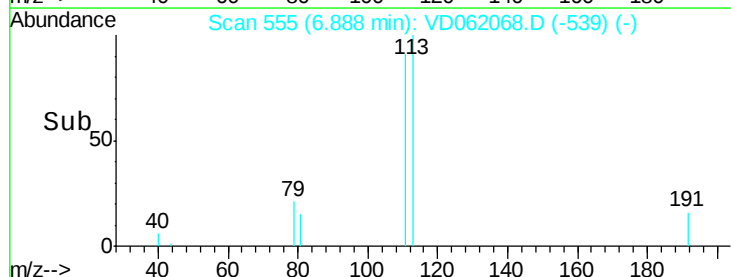
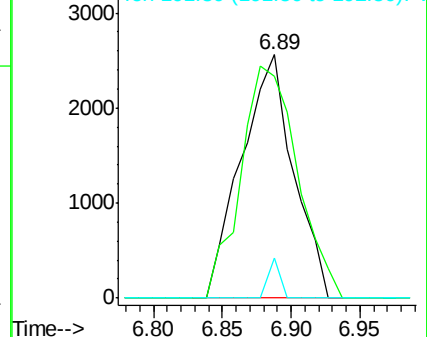
192 16.3 13.0 19.4

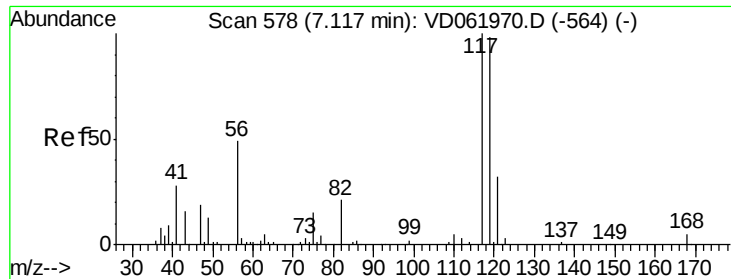


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 2.365 ug/l

RT: 7.00 min Scan# 566

Delta R.T. -0.13 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

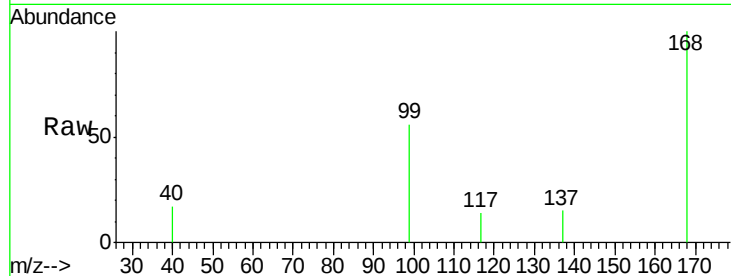
Tot Ion:117 Resp: 405

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

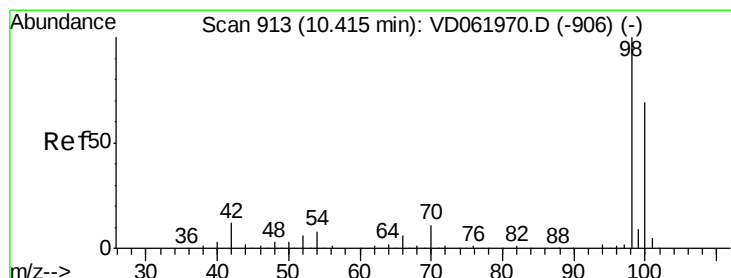
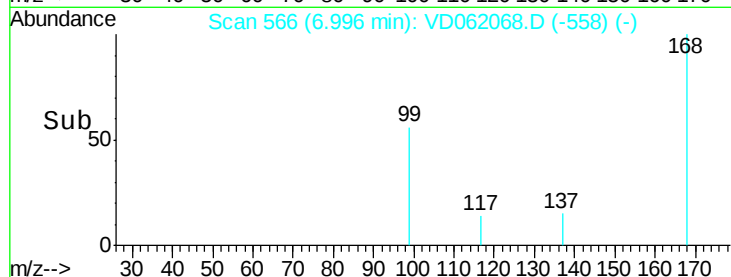
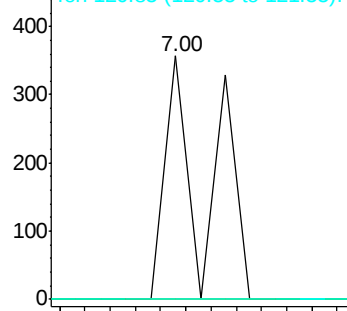
121 0.0 25.9 38.9#



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: 54.390 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.04 min

Lab File: VD062068.D

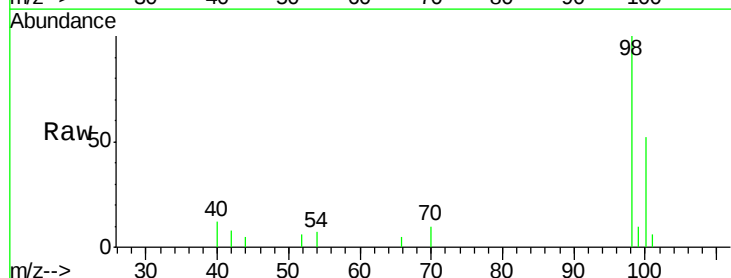
Acq: 29 Apr 2019 17:48

Tgt Ion: 98 Resp: 15525

Ion Ratio Lower Upper

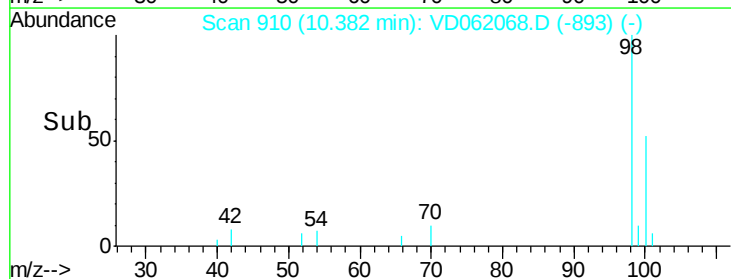
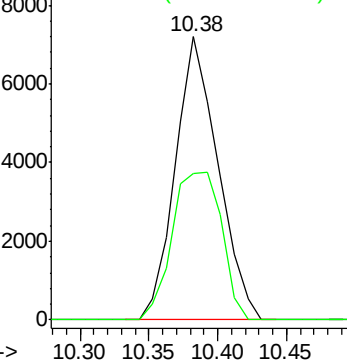
98 100

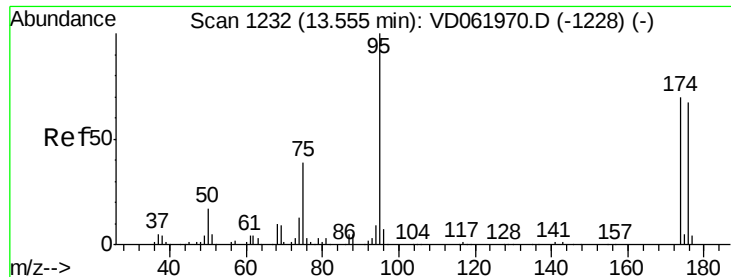
100 51.9 53.8 80.8#



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 62.173 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

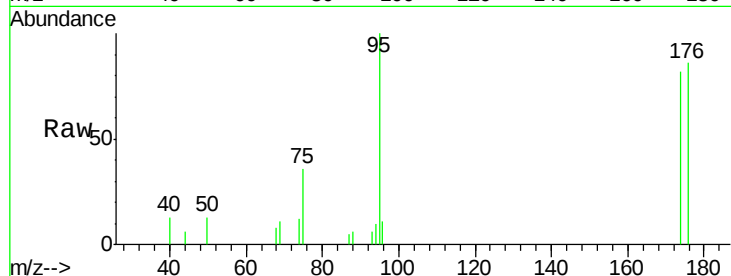
Tot Ion: 95 Resp: 7118

Ion Ratio Lower Upper

95 100

174 81.9 0.0 181.8

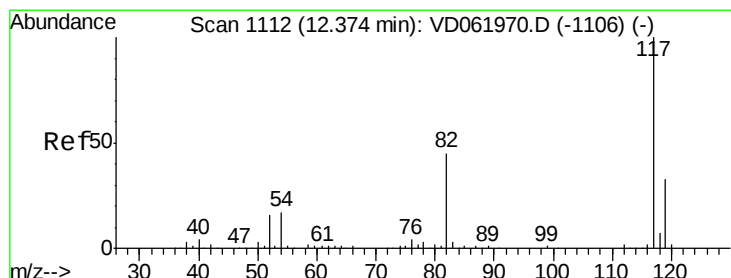
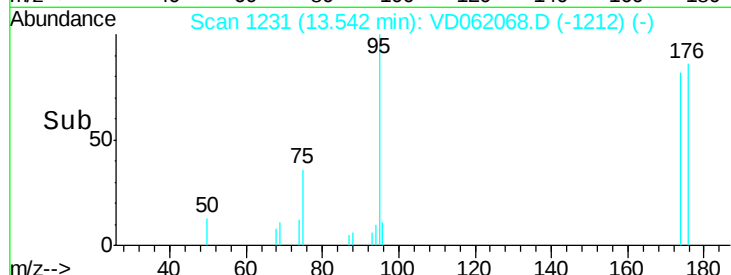
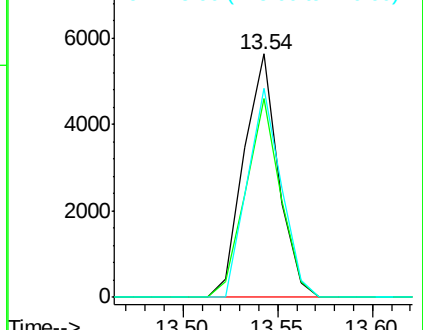
176 85.9 0.0 174.4



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. -0.02 min

Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

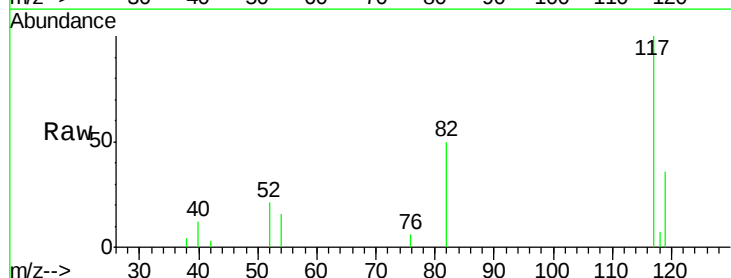
Tgt Ion: 117 Resp: 15834

Ion Ratio Lower Upper

117 100

82 49.7 36.2 54.2

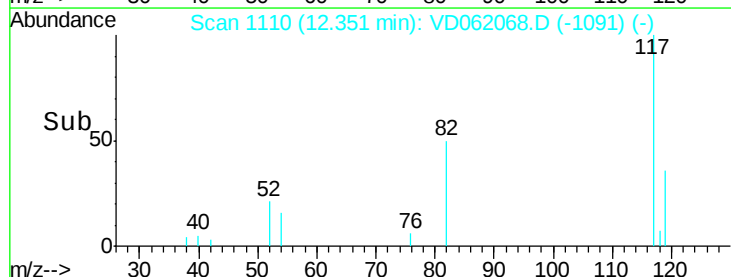
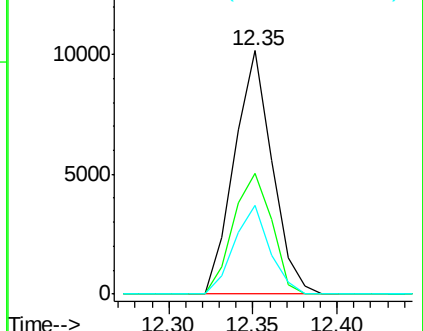
119 36.2 26.2 39.4

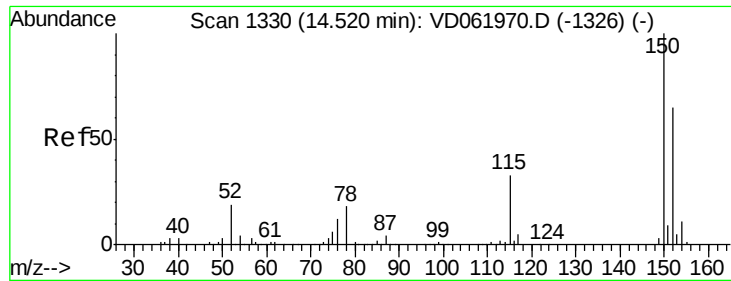


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



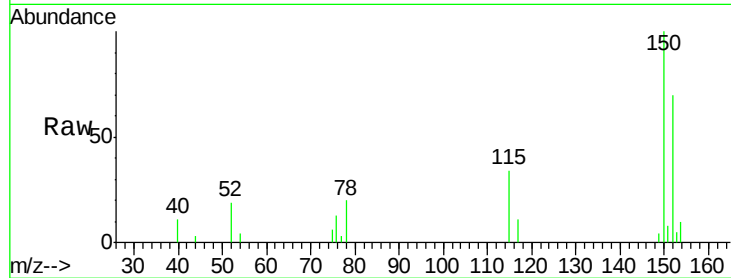


#72

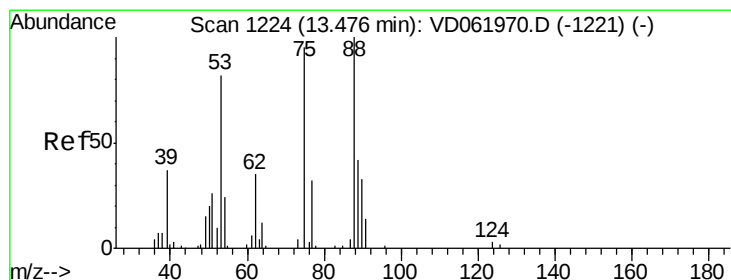
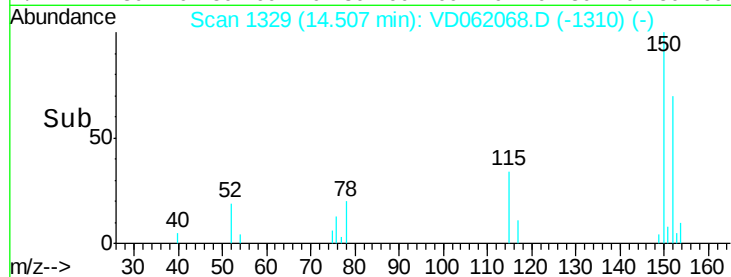
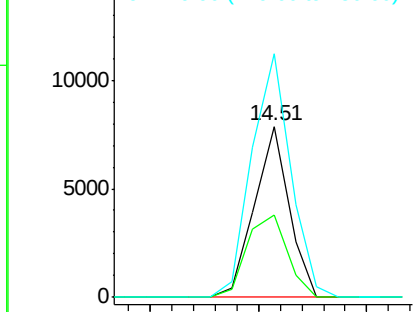
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062068.D
Acq: 29 Apr 2019 17:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 8735
Ion Ratio Lower Upper
152 100
115 48.0 30.9 92.7
150 142.5 0.0 314.8



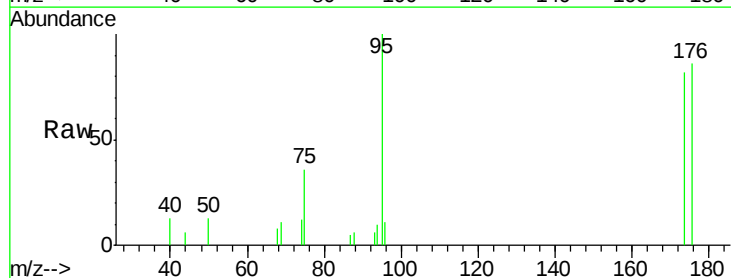
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



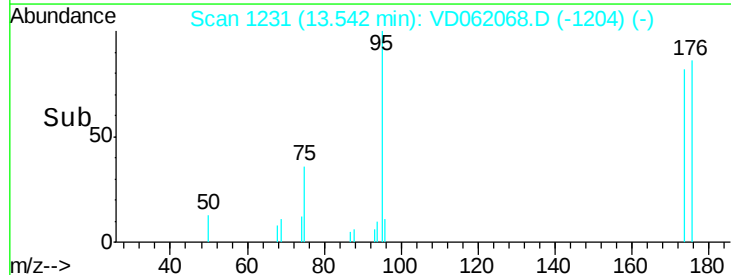
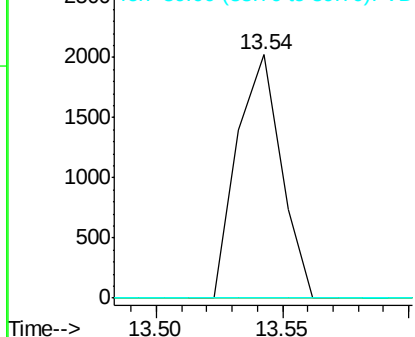
#81

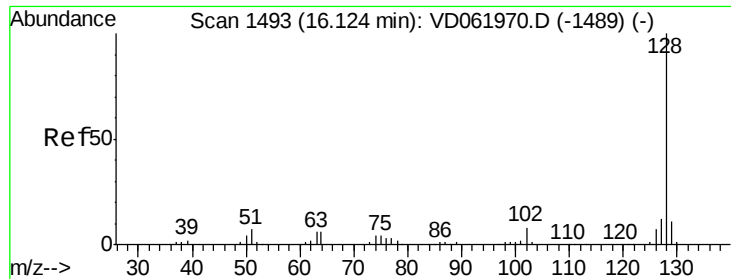
trans-1,4-Dichloro-2-butene
Concen: 73.096 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062068.D
Acq: 29 Apr 2019 17:48

Tgt Ion: 75 Resp: 2457
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#



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





#95

Naphthalene

Concen: 1.293 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

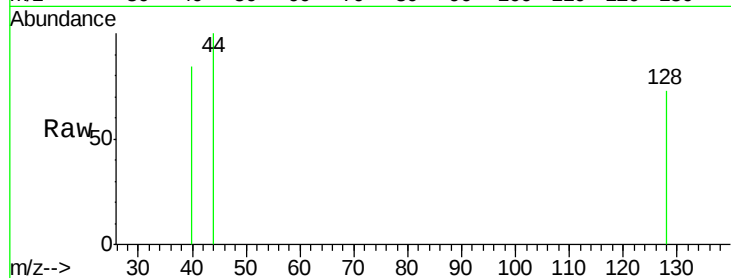
Lab File: VD062068.D

Acq: 29 Apr 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :



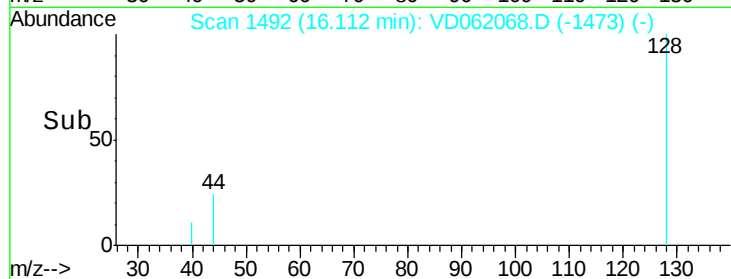
Tot Ion:128 Resp: 272

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

16.11

