

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062039.D
 Acq On : 25 Apr 2019 15:22
 Operator : VA/AP
 Sample : K2542-10RE
 Misc : 5.77g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:14:34 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

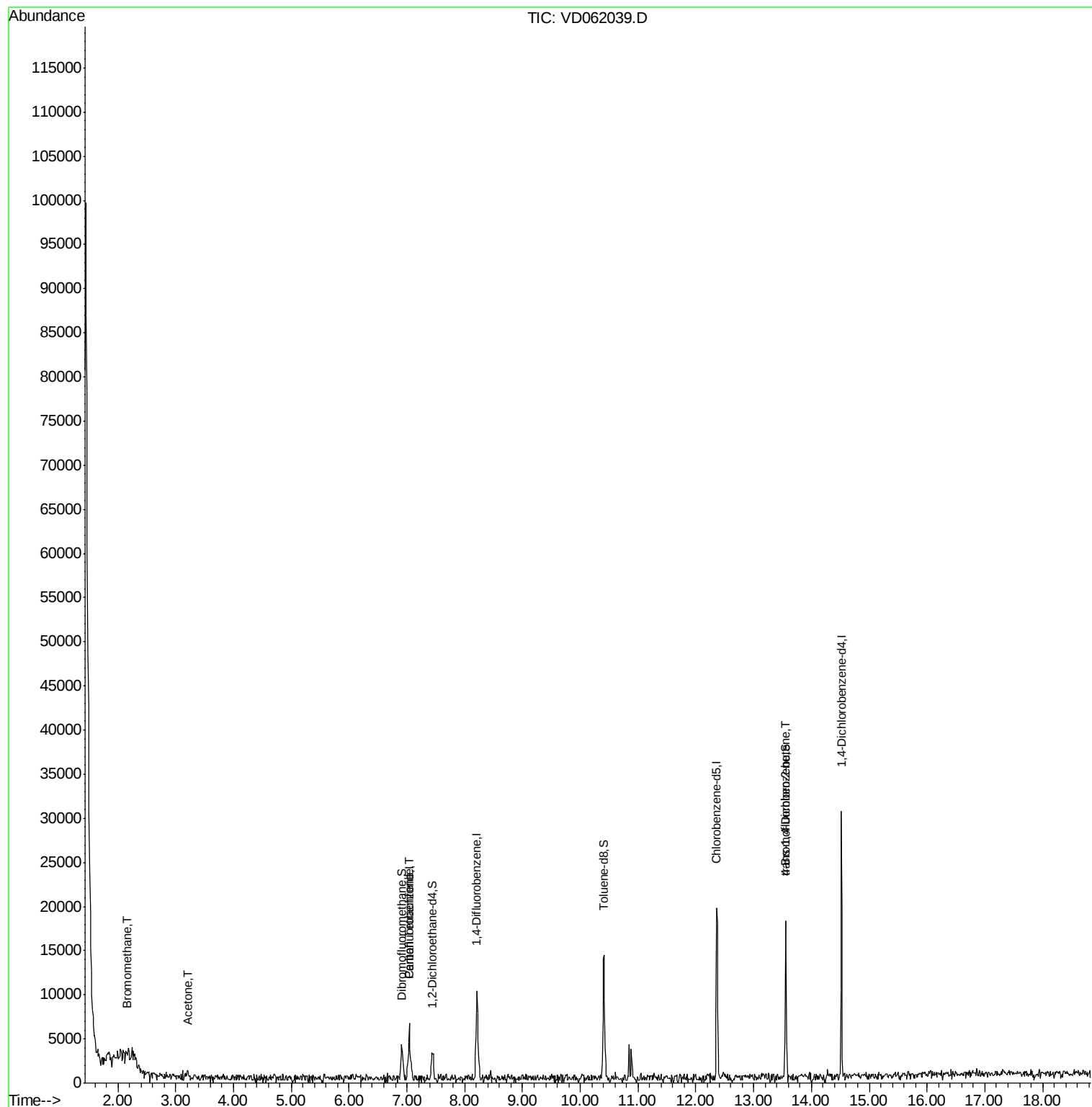
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	8320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	17009	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	14280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	7517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	4618	70.92	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	141.84%	
35) Dibromofluoromethane	6.91	113	4296	36.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	73.04%	
50) Toluene-d8	10.40	98	14335	51.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	13.55	95	6067	54.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.08%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	1098	85.375	ug/l #	12
16) Acetone	3.20	43	695	44.700	ug/l #	50
38) Carbon Tetrachloride	7.04	117	181	1.078	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	2392	82.692	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

Instrument :

MSVOA_D

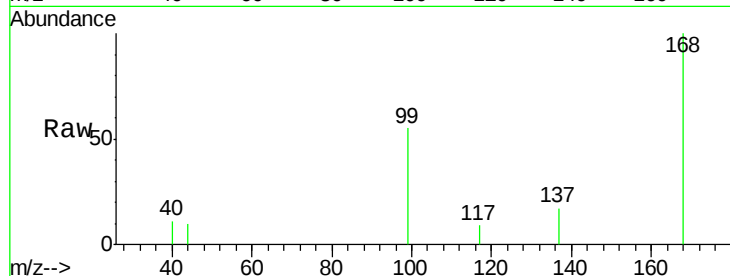
ClientSampleId :

Tot Ion:168 Resp: 8320

Ion Ratio Lower Upper

168 100

99 55.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

3000

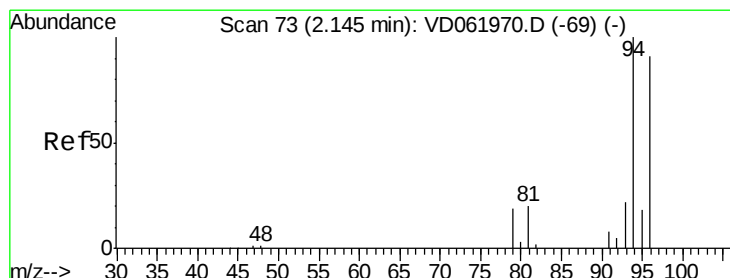
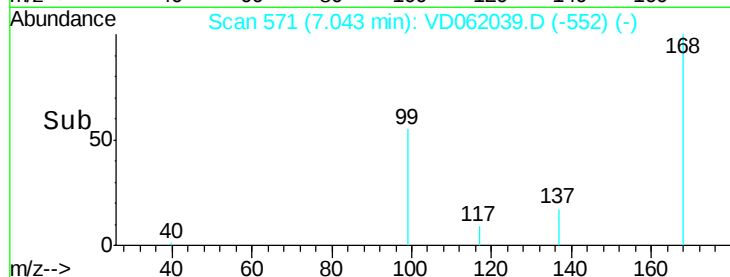
2000

1000

0

6.95 7.00 7.05 7.10 7.15

Time-->



#5

Bromomethane

Concen: 85.375 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

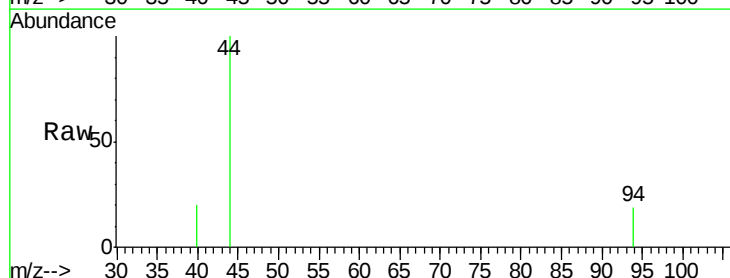
Tgt Ion: 94 Resp: 1098

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

2.16

600

500

400

300

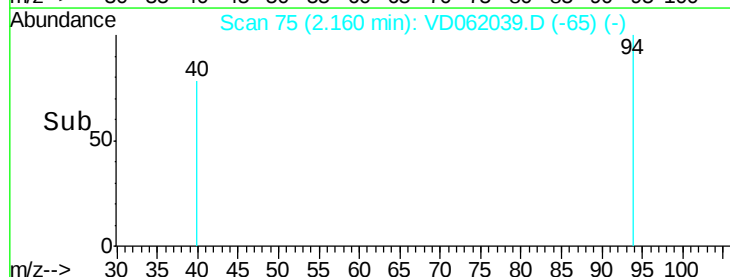
200

100

0

2.10 2.15 2.20

Time-->





#16

Acetone

Concen: 44.700 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

Instrument :

MSVOA_D

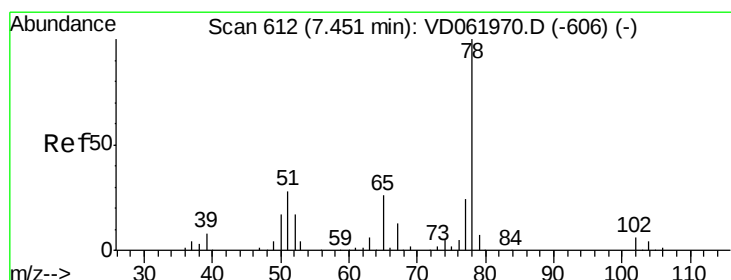
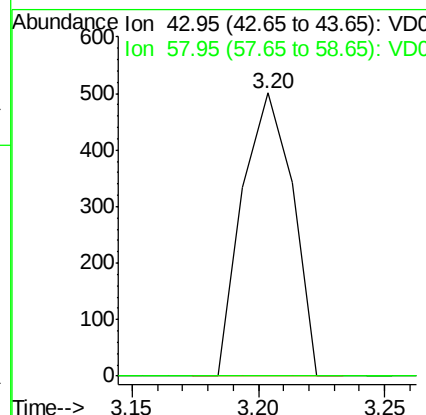
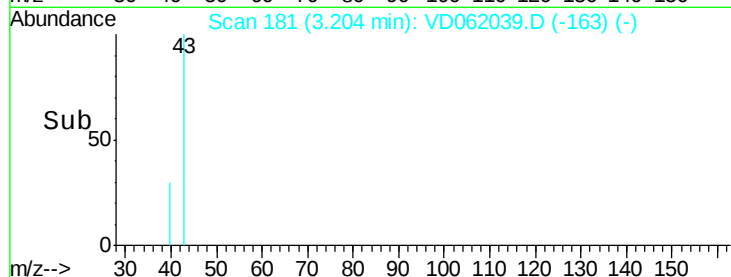
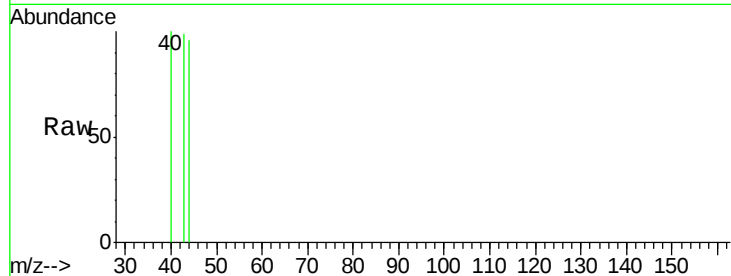
ClientSampleId :

Tot Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#33

1,2-Dichloroethane-d4

Concen: 70.918 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062039.D

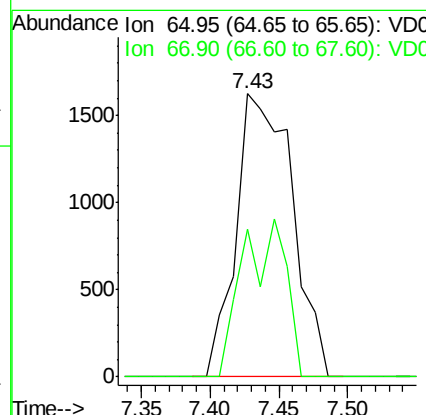
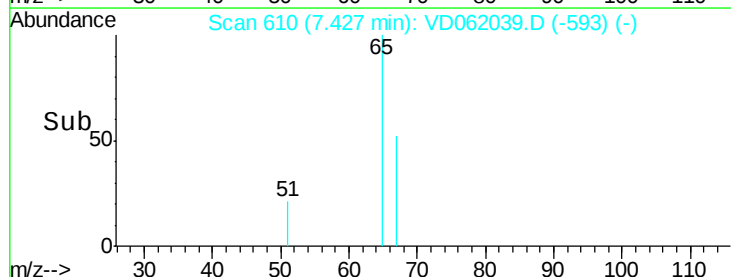
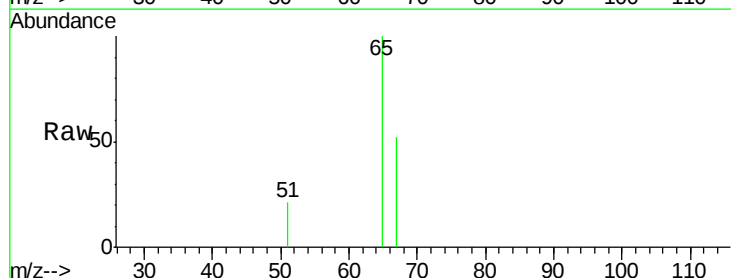
Acq: 25 Apr 2019 15:22

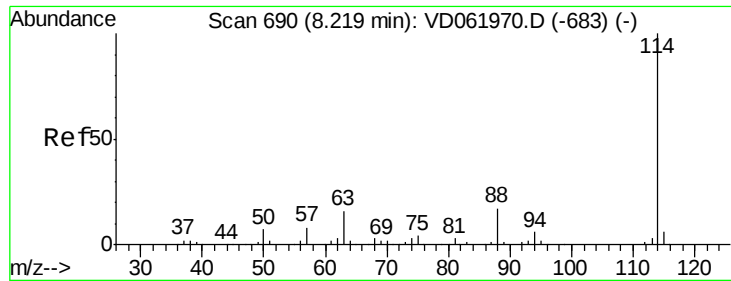
Tgt Ion: 65 Resp: 4618

Ion Ratio Lower Upper

65 100

67 52.4 0.0 98.0

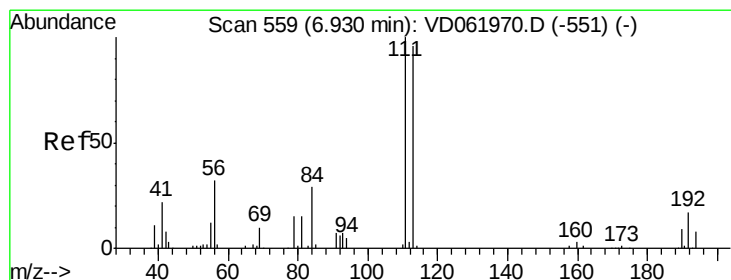
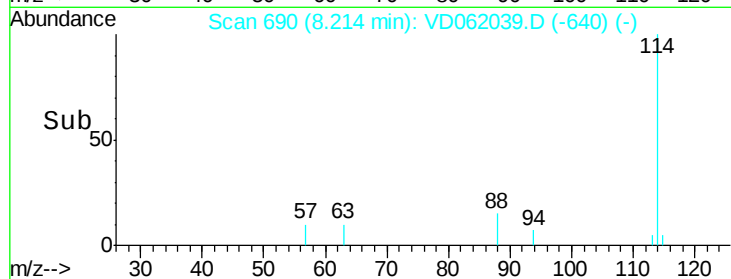
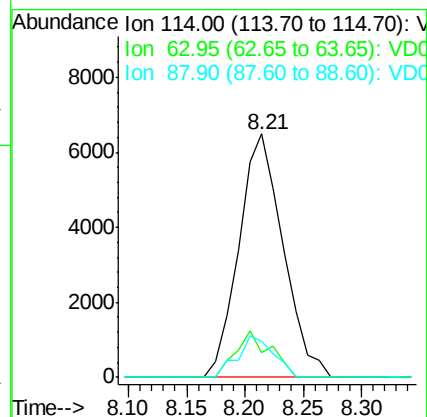
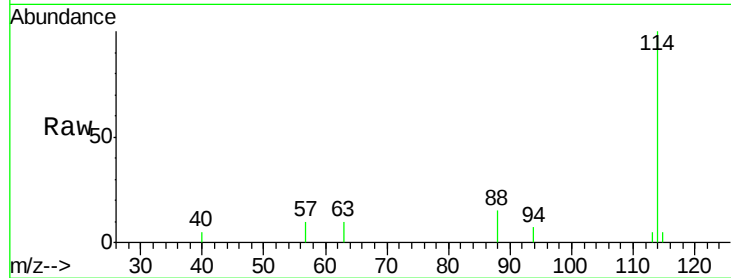




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062039.D
 Acq: 25 Apr 2019 15:22

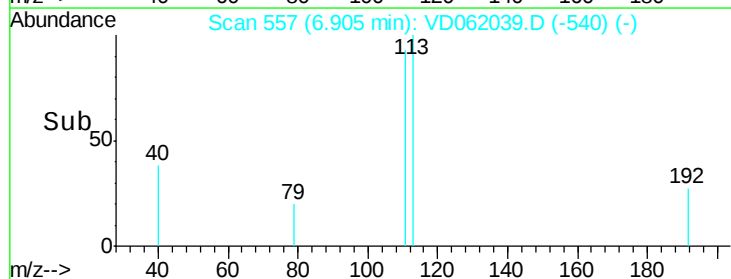
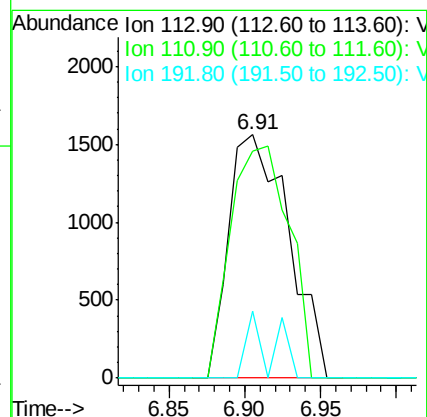
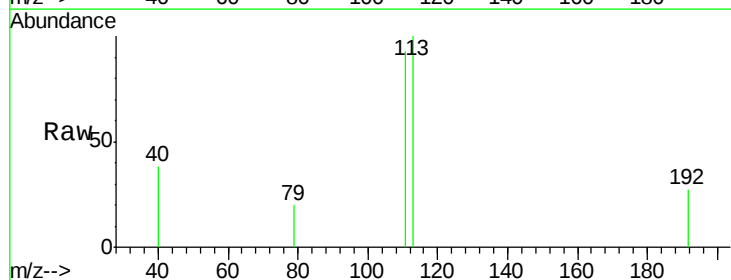
Instrument :
 MSVOA_D
 ClientSampleId :

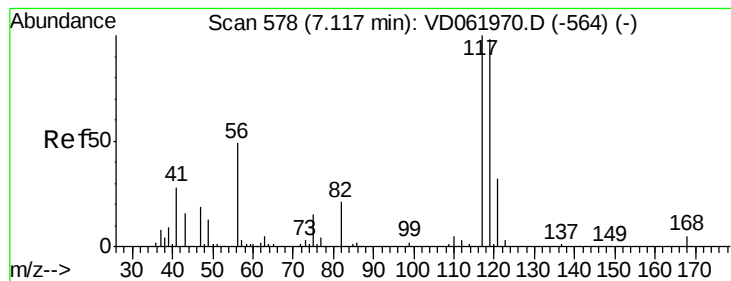
Tot Ion:114 Resp: 17009
 Ion Ratio Lower Upper
 114 100
 63 10.2 0.0 32.4
 88 14.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 36.520 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD062039.D
 Acq: 25 Apr 2019 15:22

Tgt Ion:113 Resp: 4296
 Ion Ratio Lower Upper
 113 100
 111 93.2 78.5 117.7
 192 27.3 13.0 19.4#





#38

Carbon Tetrachloride

Concen: 1.078 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

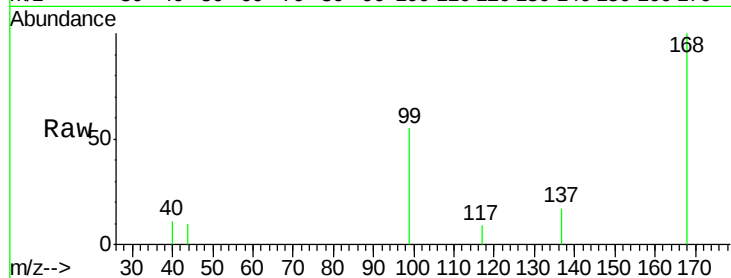
Tot Ion:117 Resp: 181

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

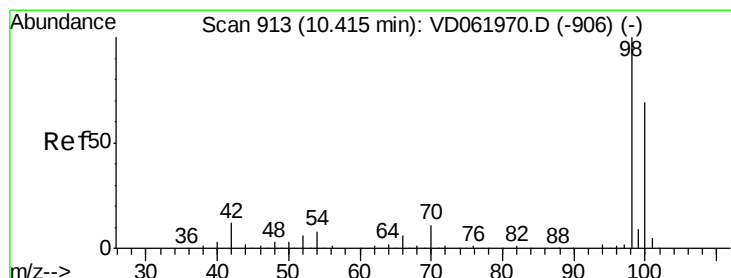
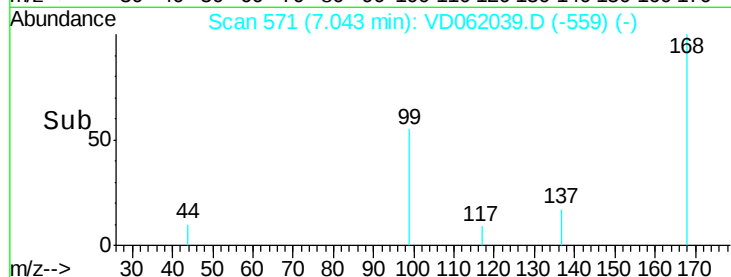
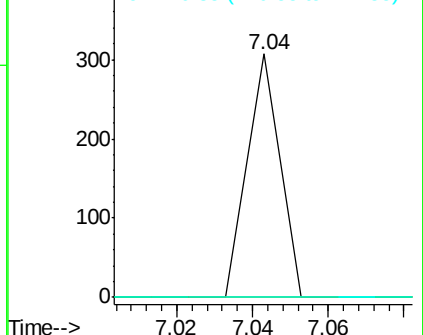
121 0.0 25.9 38.9#



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: 51.213 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062039.D

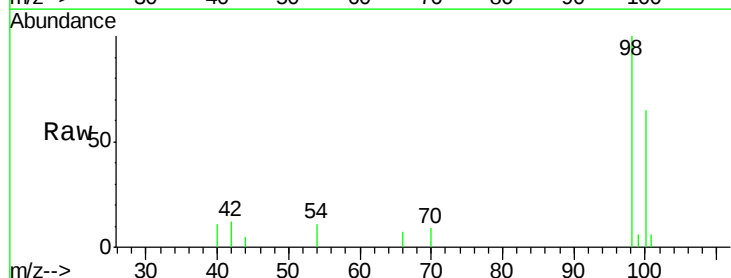
Acq: 25 Apr 2019 15:22

Tgt Ion: 98 Resp: 14335

Ion Ratio Lower Upper

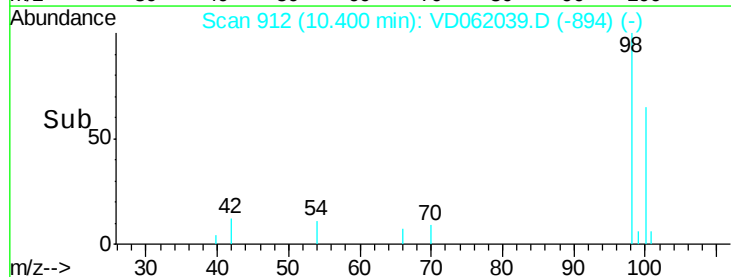
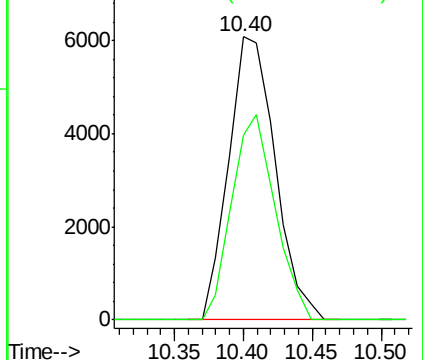
98 100

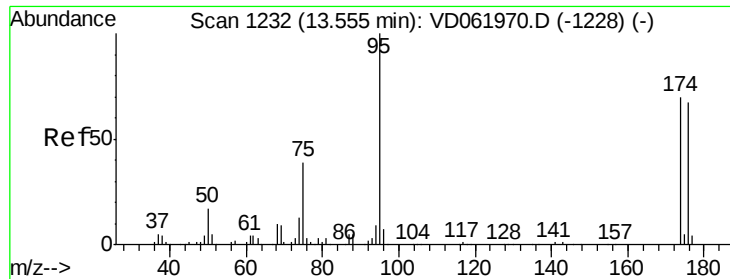
100 65.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

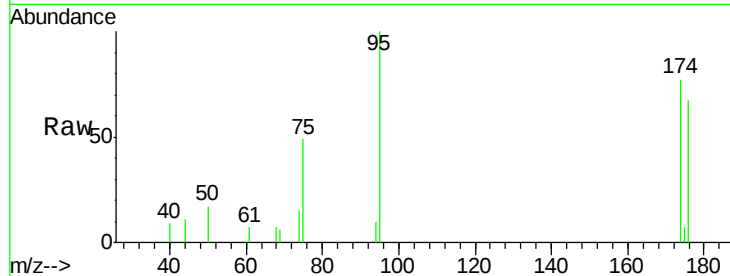




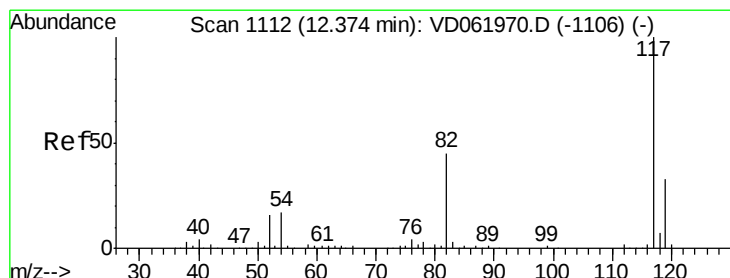
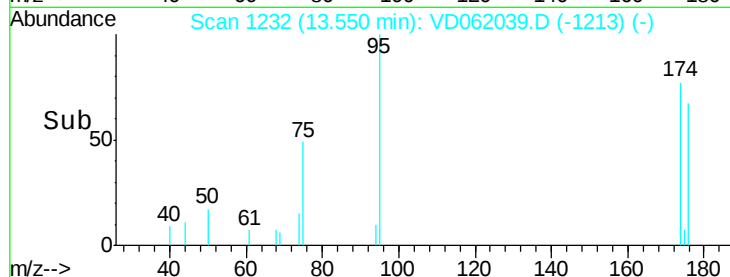
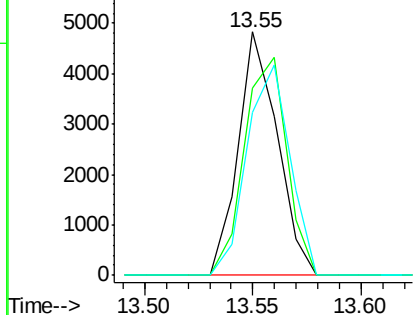
#62
4-Bromofluorobenzene
Concen: 54.040 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062039.D
Acq: 25 Apr 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 6067
Ion Ratio Lower Upper
95 100
174 77.1 0.0 181.8
176 66.9 0.0 174.4

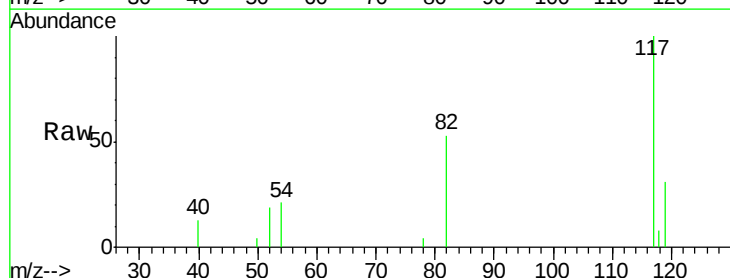


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

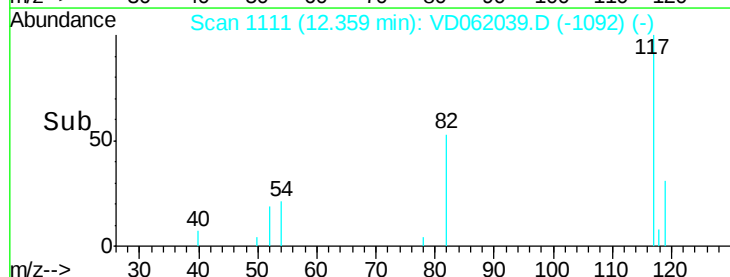
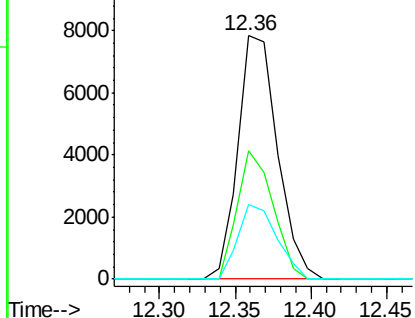


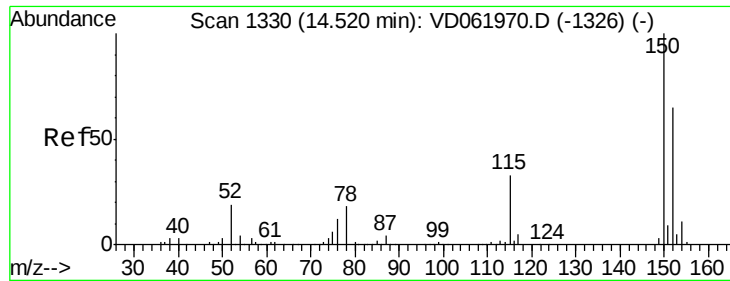
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062039.D
Acq: 25 Apr 2019 15:22

Tgt Ion: 117 Resp: 14280
Ion Ratio Lower Upper
117 100
82 52.9 36.2 54.2
119 30.9 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# 1330

Delta R.T. -0.01 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

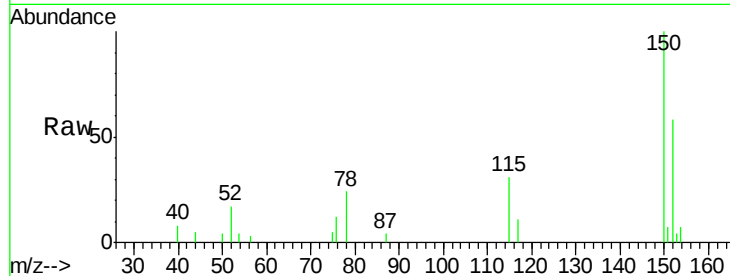
Tot Ion:152 Resp: 7517

Ion Ratio Lower Upper

152 100

115 53.2 30.9 92.7

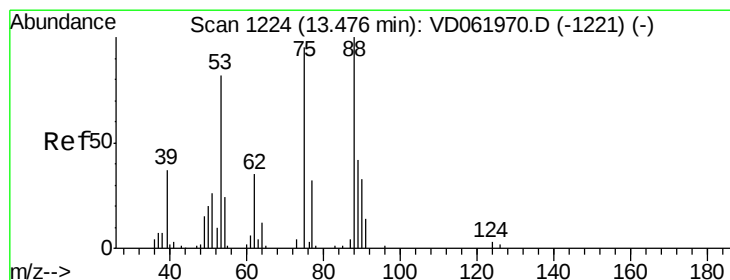
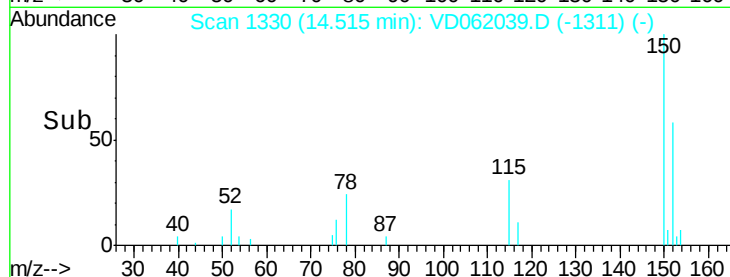
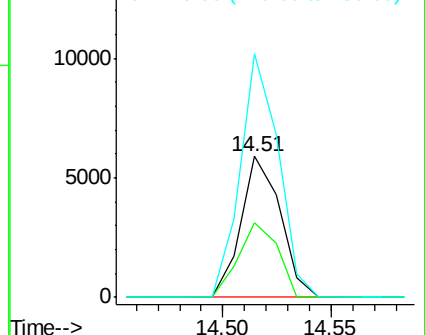
150 172.9 0.0 314.8



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: 82.692 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062039.D

Acq: 25 Apr 2019 15:22

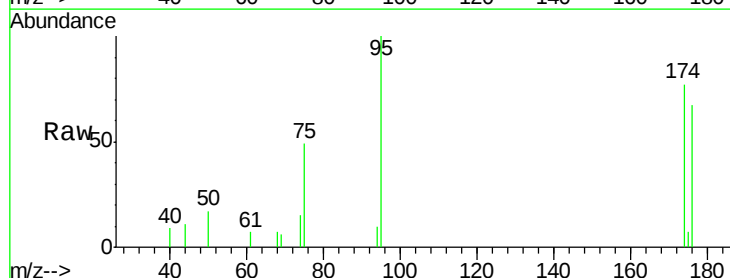
Tgt Ion: 75 Resp: 2392

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

