

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062160.D
 Acq On : 8 May 2019 5:13
 Operator : FY/SY
 Sample : K2672-07
 Misc : 5.01u/5mL/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-1.0-1.5

Quant Time: May 08 07:55:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	8286	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	12720	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	9727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	3750	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	6543	84.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	169.94%	
35) Dibromofluoromethane	6.89	113	5536	52.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.90%	
50) Toluene-d8	10.40	98	8920	35.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.10%	
62) 4-Bromofluorobenzene	13.55	95	4027	39.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.82%	

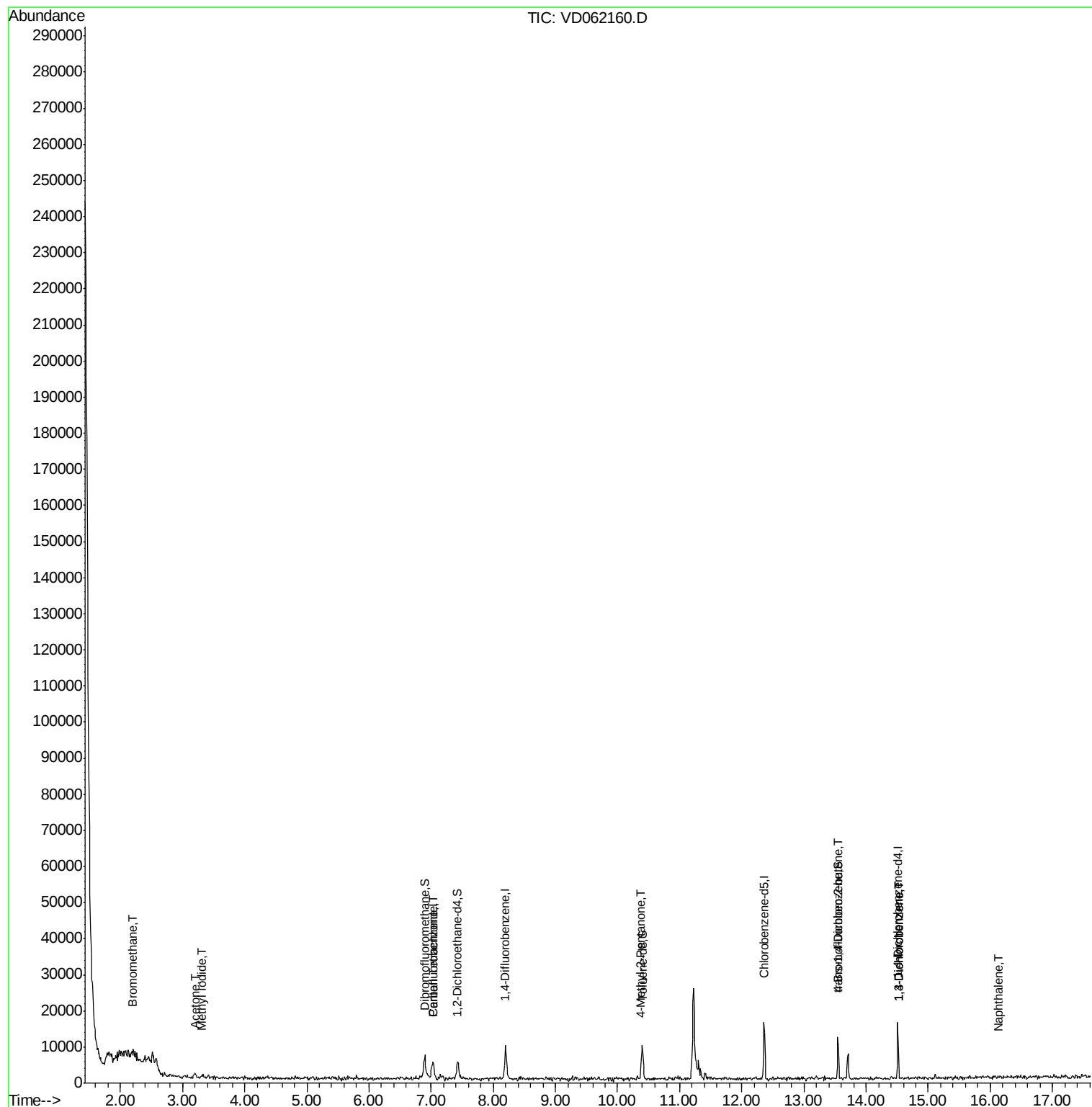
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	971	73.635	ug/l #	12
10) Methyl Iodide	3.31	142	1251	10.001	ug/l #	89
16) Acetone	3.20	43	2226	137.847	ug/l #	50
38) Carbon Tetrachloride	7.03	117	191	1.323	ug/l #	12
51) 4-Methyl-2-Pentanone	10.37	43	185	4.588	ug/l #	37
81) trans-1,4-Dichloro-2-buten	13.55	75	1737	138.064	ug/l #	16
87) 1,3-Dichlorobenzene	14.53	146	319	2.775	ug/l #	25
88) 1,4-Dichlorobenzene	14.53	146	319	2.824	ug/l #	25
95) Naphthalene	16.11	128	378	3.929	ug/l #	70

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

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Quant Time: May 08 07:55:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

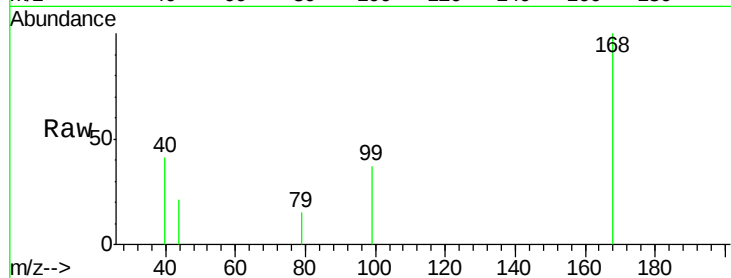
SB-04-1.0-1.5

Tot Ion:168 Resp: 8286

Ion Ratio Lower Upper

168 100

99 36.8 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

2500

2000

1500

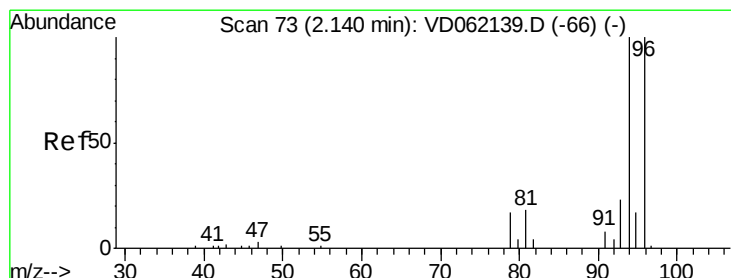
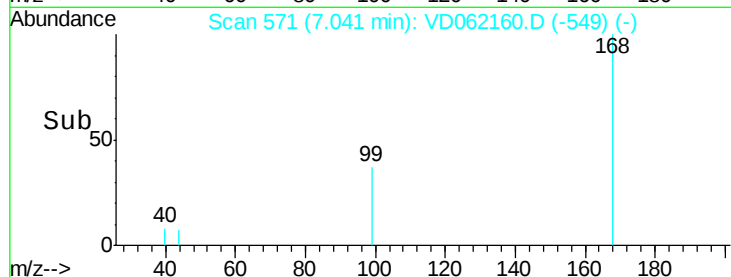
1000

500

0

6.95 7.00 7.05 7.10

Time-->



#5

Bromomethane

Concen: 73.635 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

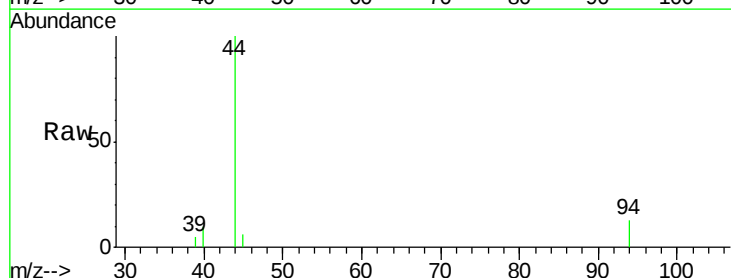
Tgt Ion: 94 Resp: 971

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

1000

800

600

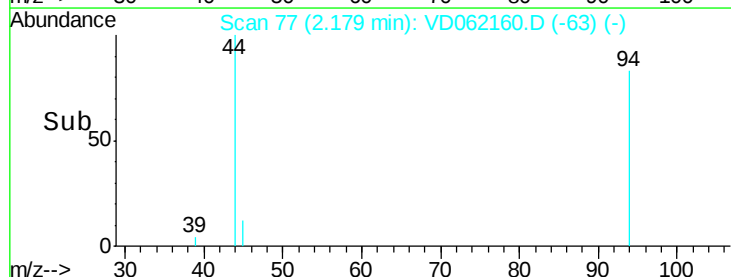
400

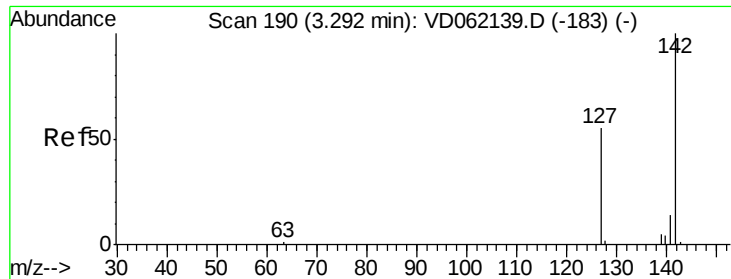
200

0

2.15 2.20

Time-->

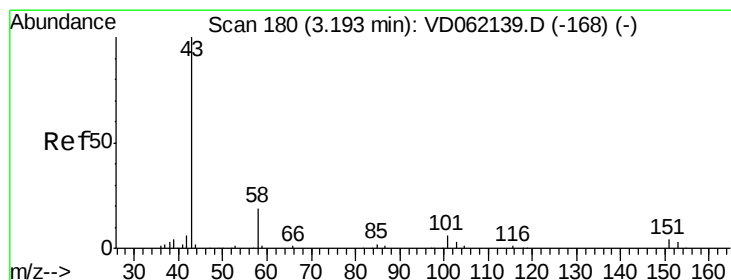
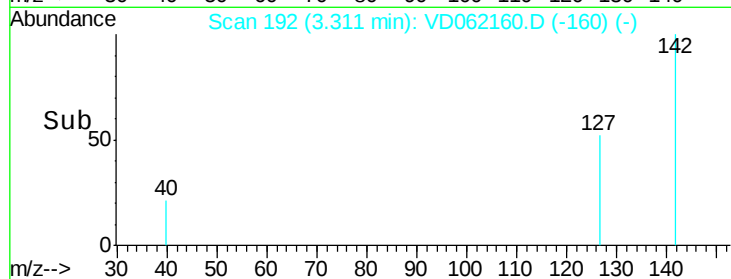
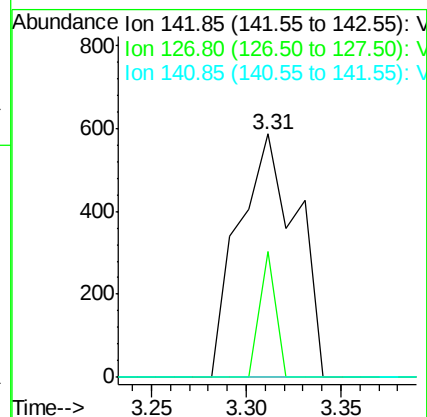
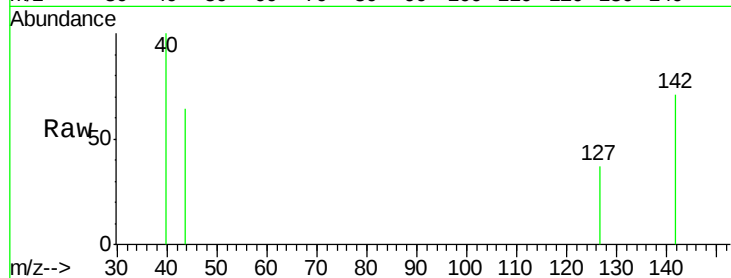




#10
Methvl Iodide
Concen: 10.001 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062160.D
Acq: 8 May 2019 5:13

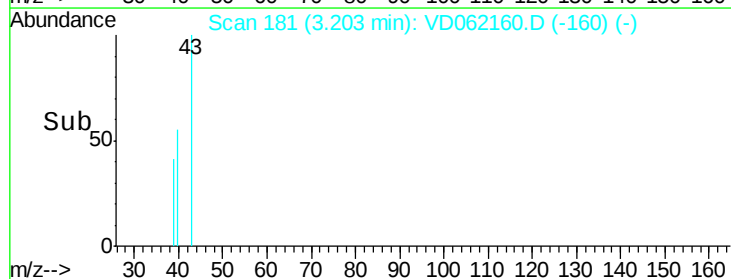
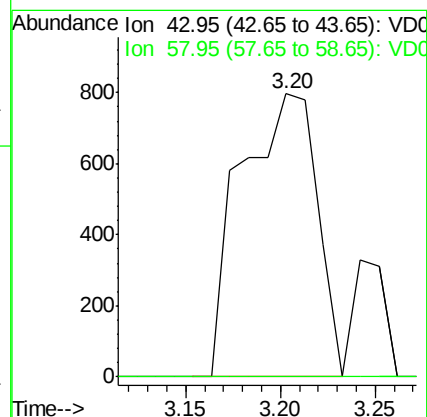
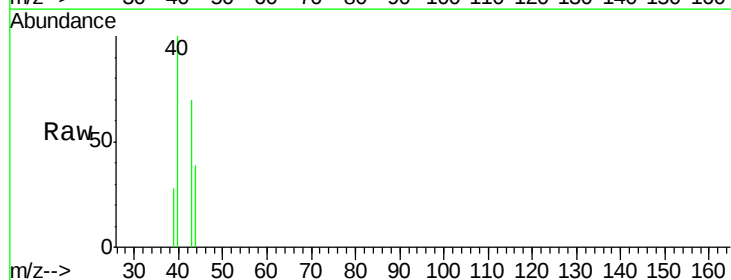
Instrument :
MSVOA_D
ClientSampleId :
SB-04-1.0-1.5

Tot Ion:142 Resp: 1251
Ion Ratio Lower Upper
142 100
127 51.6 38.8 58.2
141 0.0 11.4 17.0#



#16
Acetone
Concen: 137.847 ug/l
RT: 3.20 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD062160.D
Acq: 8 May 2019 5:13

Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#





#33

1,2-Dichloroethane-d4

Concen: 84.971 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

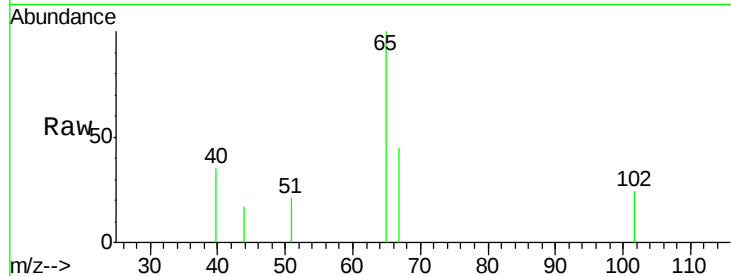
SB-04-1.0-1.5

Tot Ion: 65 Resp: 6543

Ion Ratio Lower Upper

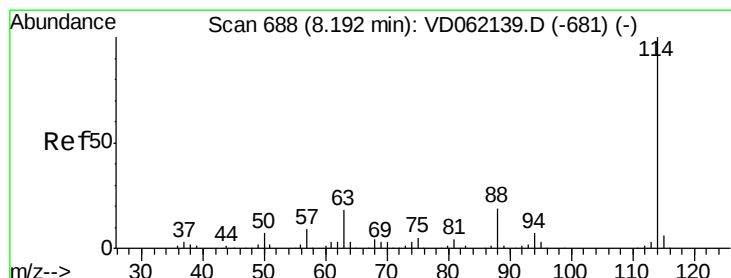
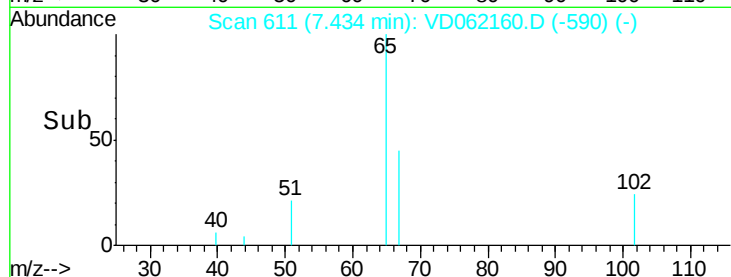
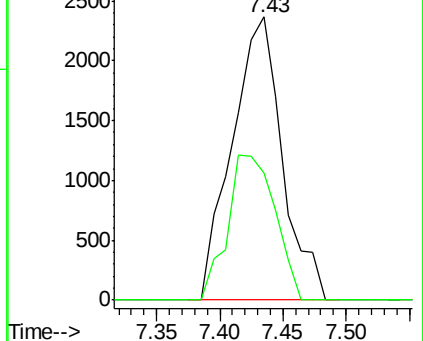
65 100

67 45.0 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: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

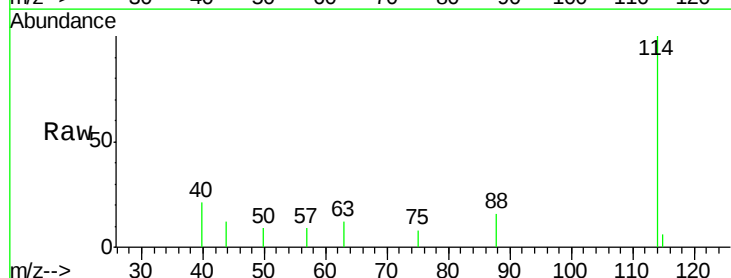
Tgt Ion: 114 Resp: 12720

Ion Ratio Lower Upper

114 100

63 11.7 0.0 32.4

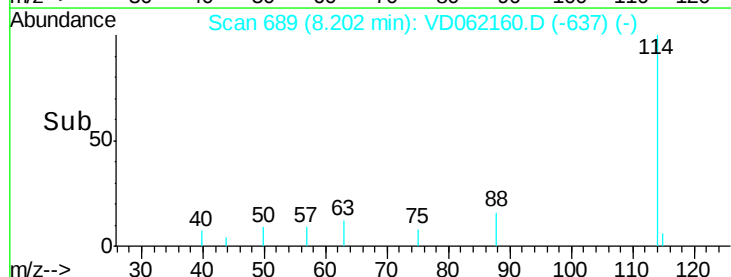
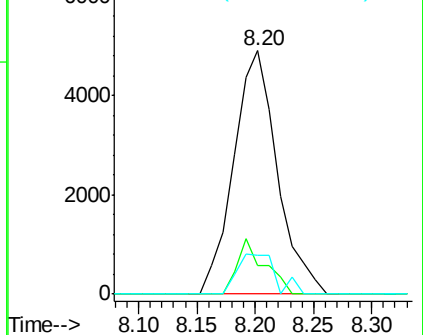
88 15.7 0.0 33.6

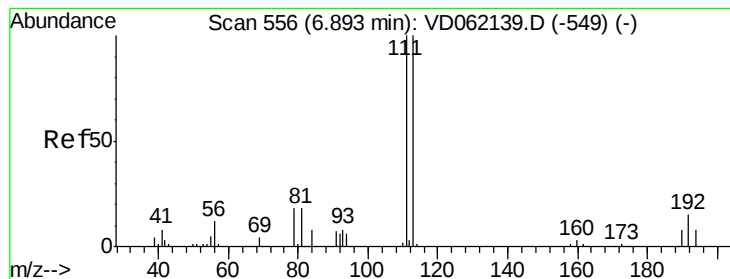


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.454 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

SB-04-1.0-1.5

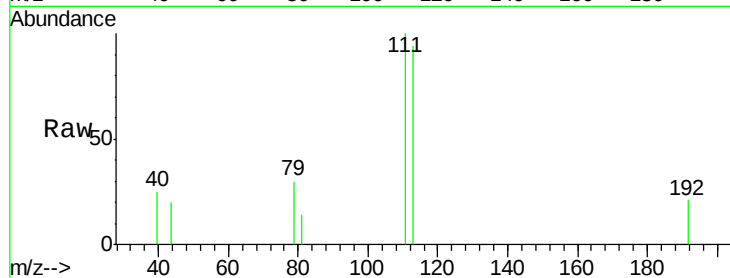
Tot Ion:113 Resp: 5536

Ion Ratio Lower Upper

113 100

111 106.3 78.5 117.7

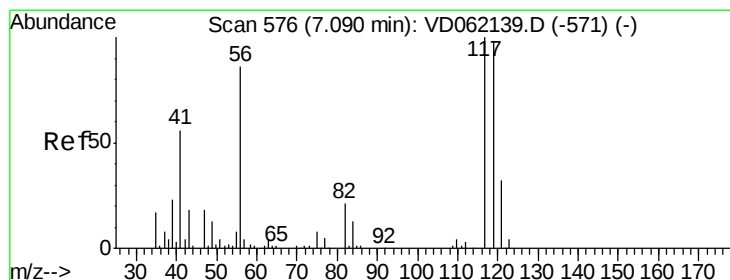
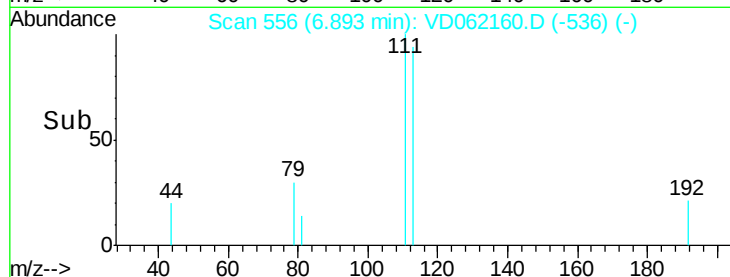
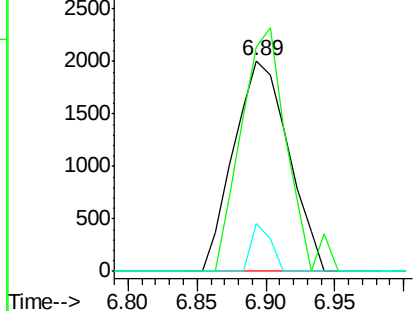
192 22.4 13.0 19.4#



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: 1.323 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

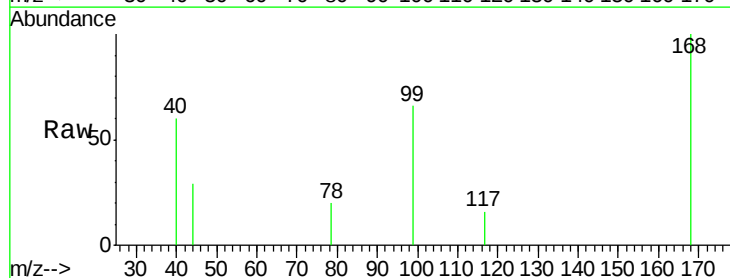
Tgt Ion:117 Resp: 191

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

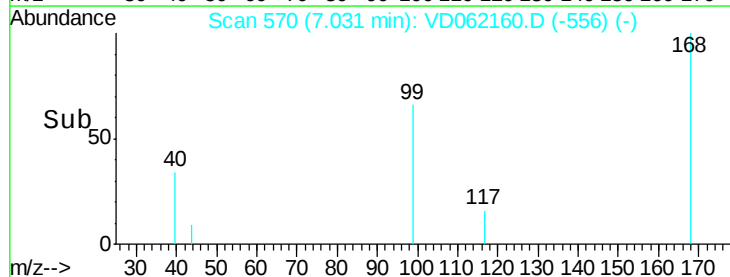
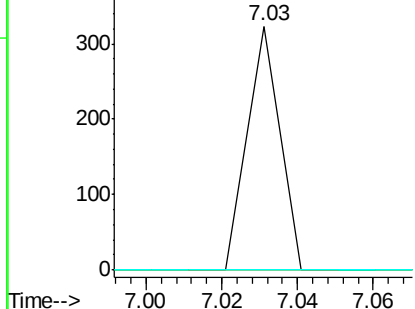
121 0.0 25.9 38.9#

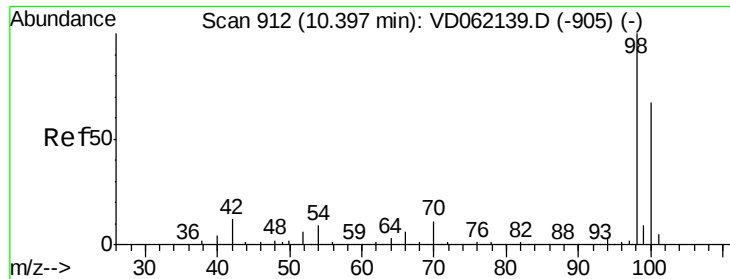


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 35.054 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

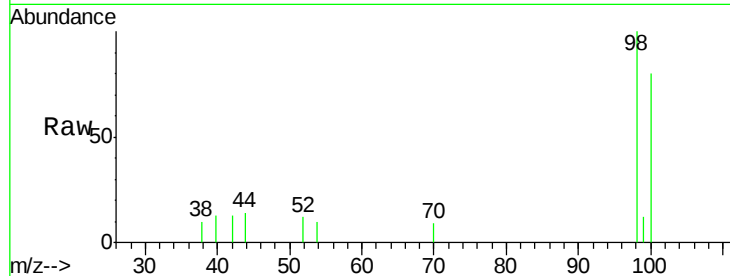
SB-04-1.0-1.5

Tot Ion: 98 Resp: 8920

Ion Ratio Lower Upper

98 100

100 79.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.40

4000

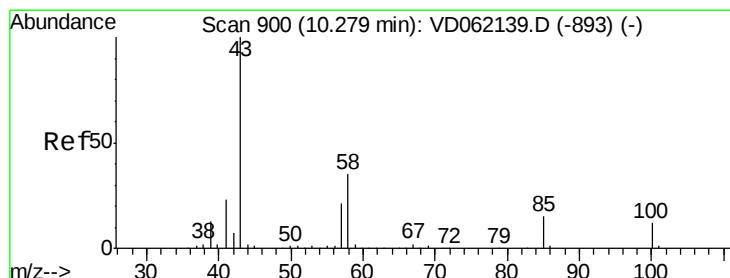
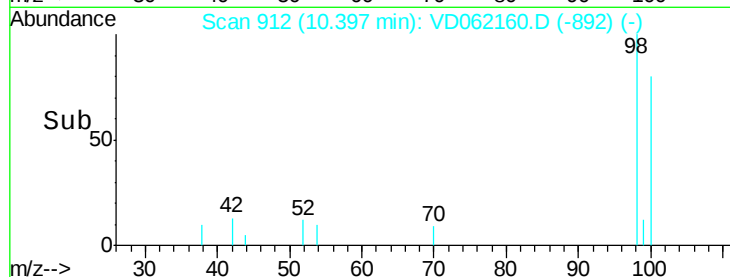
3000

2000

1000

0

Time--> 10.30 10.35 10.40 10.45



#51

4-Methyl-2-Pentanone

Concen: 4.588 ug/l

RT: 10.37 min Scan# 909

Delta R.T. 0.09 min

Lab File: VD062160.D

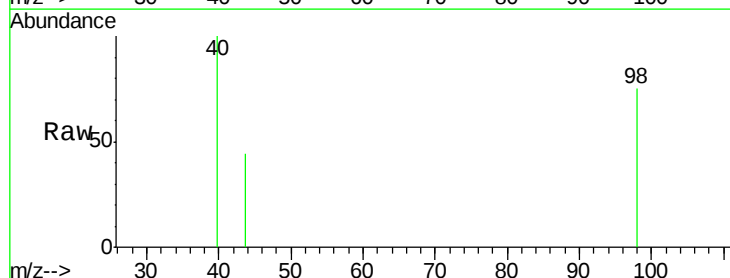
Acq: 8 May 2019 5:13

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-893) (-)

Ion 57.95 (57.65 to 58.65): VD062139.D (-893) (-)

10.37

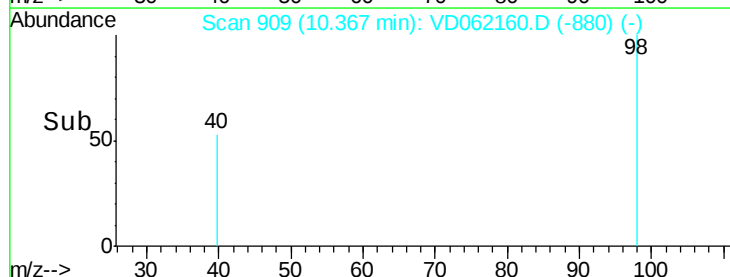
300

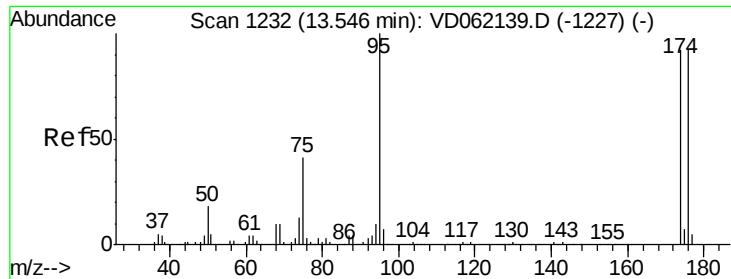
200

100

0

Time--> 10.34 10.36 10.38





#62

4-Bromofluorobenzene

Concen: 39.410 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

SB-04-1.0-1.5

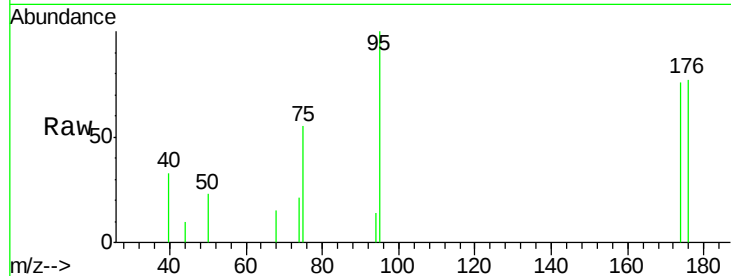
Tot Ion: 95 Resp: 4027

Ion Ratio Lower Upper

95 100

174 75.9 0.0 181.8

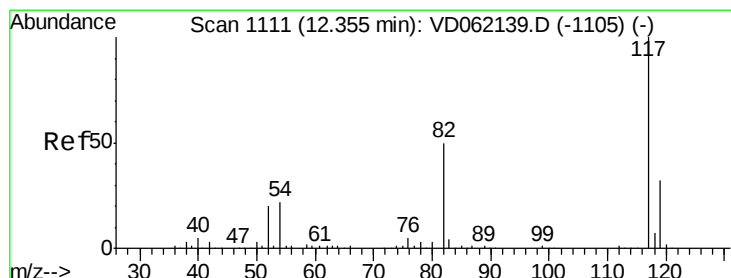
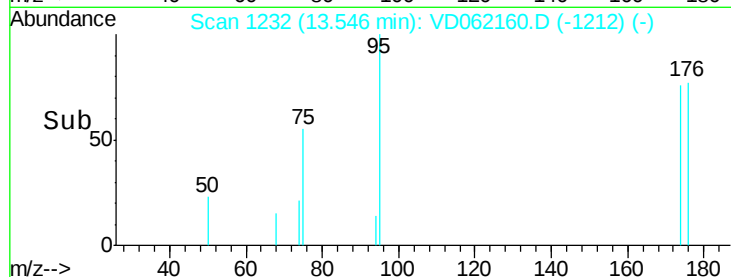
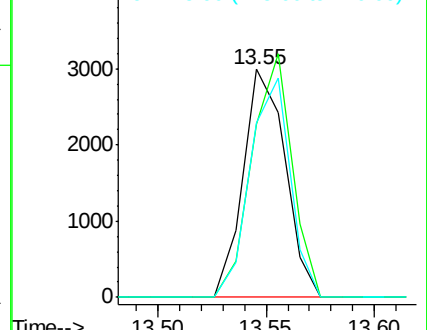
176 76.7 0.0 174.4



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# 1111

Delta R.T. -0.00 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

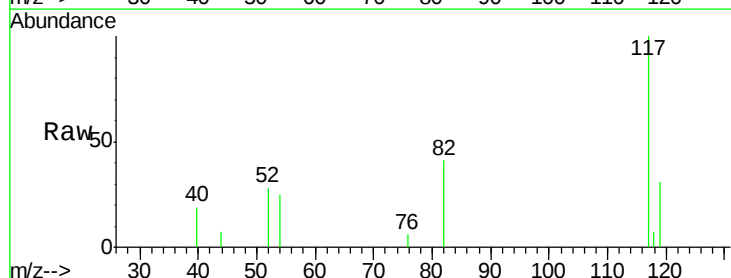
Tgt Ion: 117 Resp: 9727

Ion Ratio Lower Upper

117 100

82 41.5 36.2 54.2

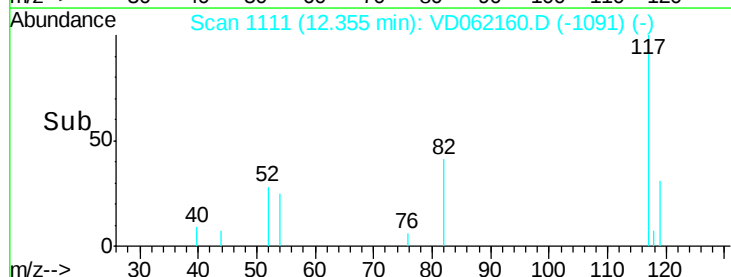
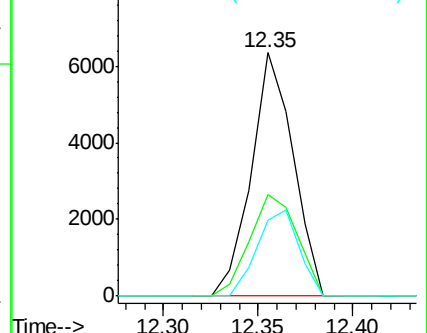
119 31.0 26.2 39.4

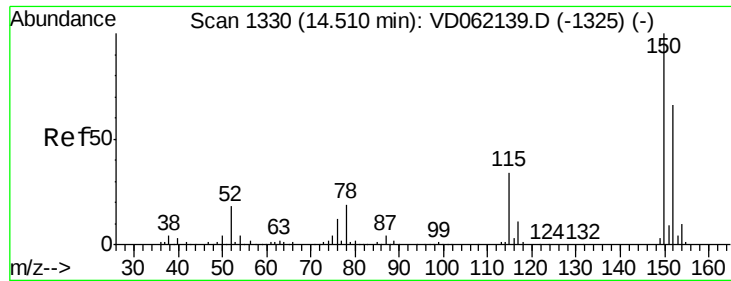


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

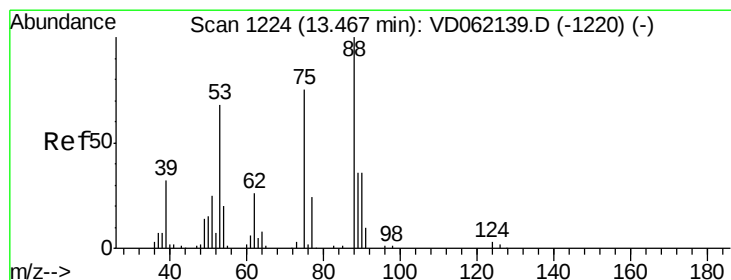
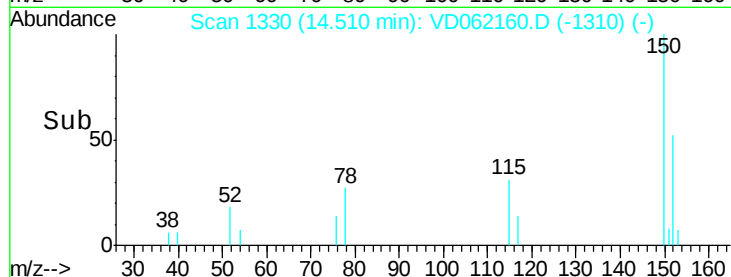
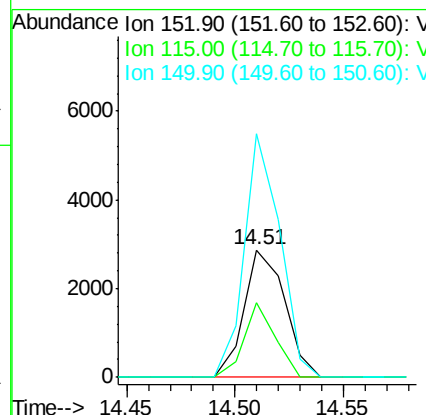
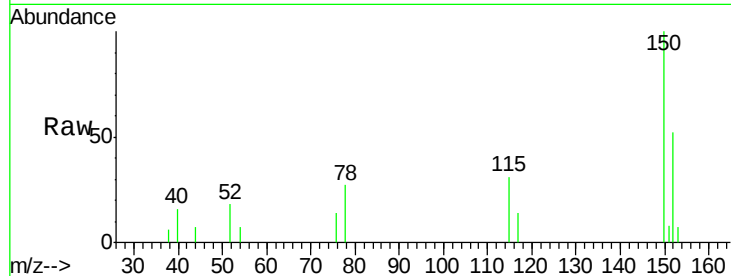




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062160.D
 Acq: 8 May 2019 5:13

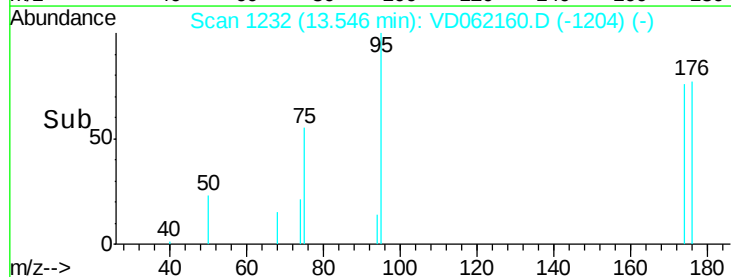
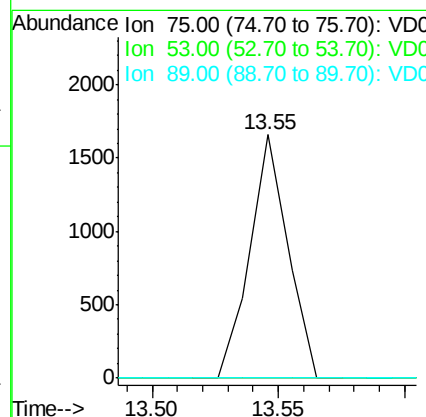
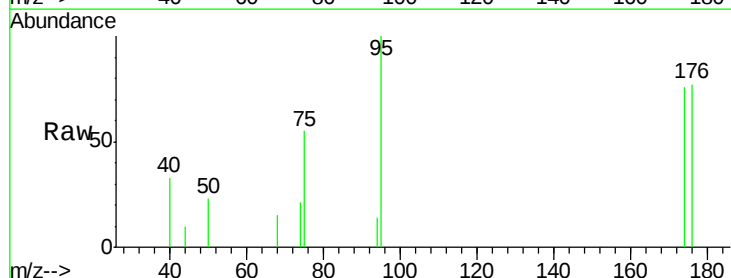
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-1.0-1.5

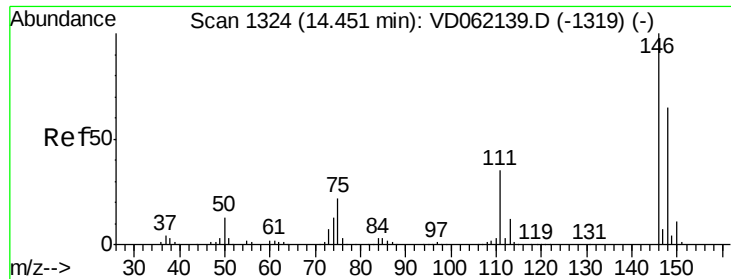
Tot Ion:152 Resp: 3750
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.9 92.7
 150 190.6 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.064 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062160.D
 Acq: 8 May 2019 5:13

Tgt Ion: 75 Resp: 1737
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

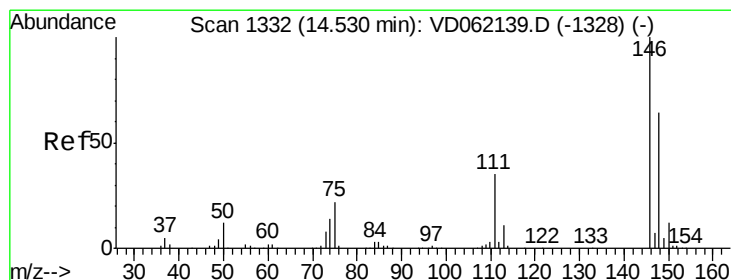
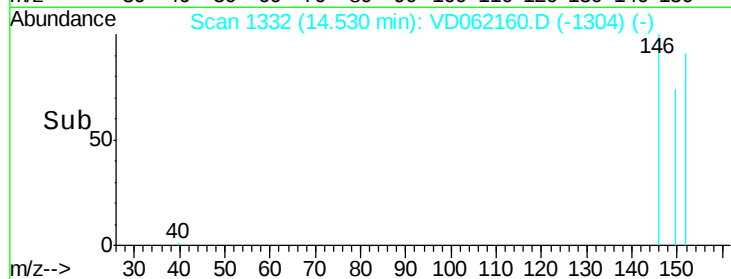
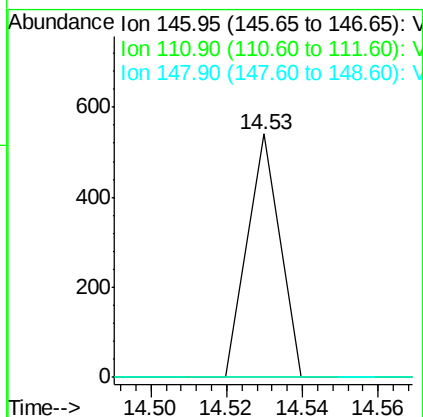
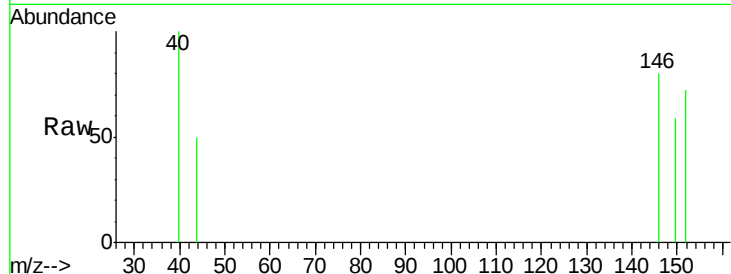




#87
 1,3-Dichlorobenzene
 Concen: 2.775 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.08 min
 Lab File: VD062160.D
 Acq: 8 May 2019 5:13

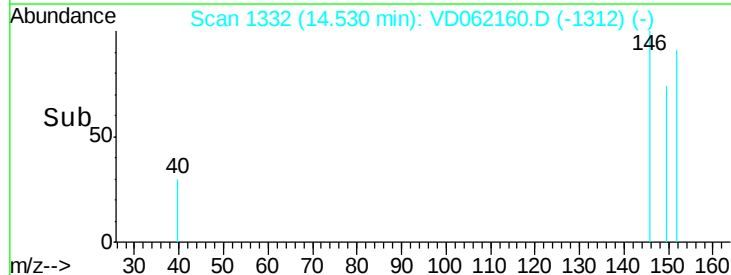
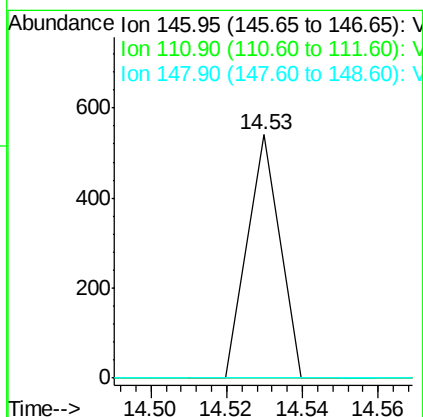
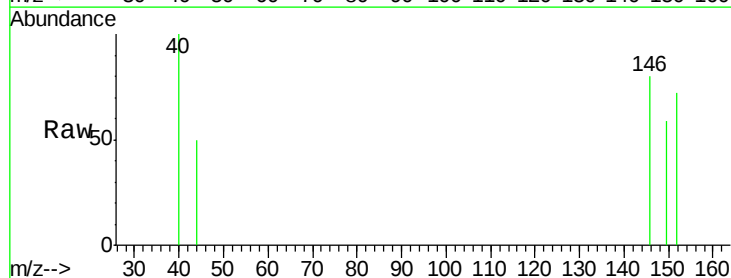
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-1.0-1.5

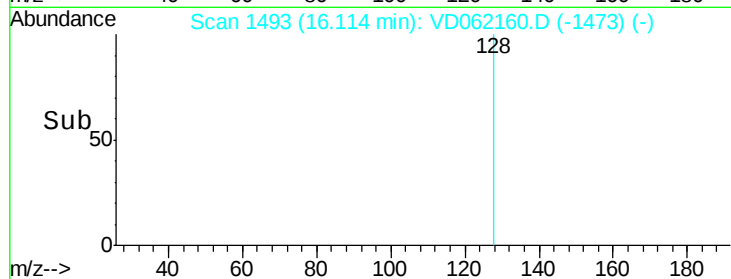
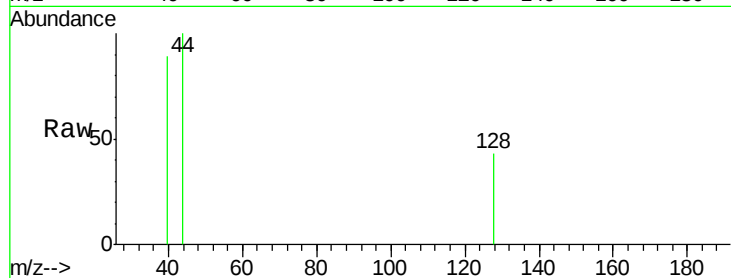
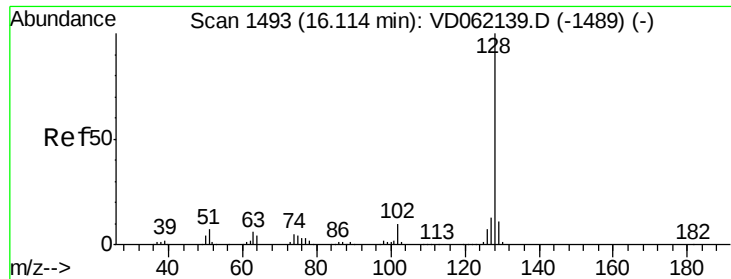
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	31.8	95.4#



#88
 1,4-Dichlorobenzene
 Concen: 2.824 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062160.D
 Acq: 8 May 2019 5:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.2	60.5#
148	0.0	32.0	96.2#





#95

Naphthalene

Concen: 3.929 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062160.D

Acq: 8 May 2019 5:13

Instrument :

MSVOA_D

ClientSampleId :

SB-04-1.0-1.5

Tot Ion:128 Resp: 378

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#

