

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062162.D
 Acq On : 8 May 2019 6:08
 Operator : FY/SY
 Sample : K2672-11
 Misc : 5.08g/5mL/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-1.5-2.0

Quant Time: May 08 07:56:15 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	7.03	168	33999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	63972	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	50399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	16115	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	38741	122.61	ug/l	0.00
Spiked Amount			Recovery	=	245.22%	
35) Dibromofluoromethane	6.90	113	33280	62.70	ug/l	0.00
Spiked Amount			Recovery	=	125.40%	
50) Toluene-d8	10.39	98	45923	35.88	ug/l	0.00
Spiked Amount			Recovery	=	71.76%	
62) 4-Bromofluorobenzene	13.54	95	19800	38.53	ug/l	0.00
Spiked Amount			Recovery	=	77.06%	

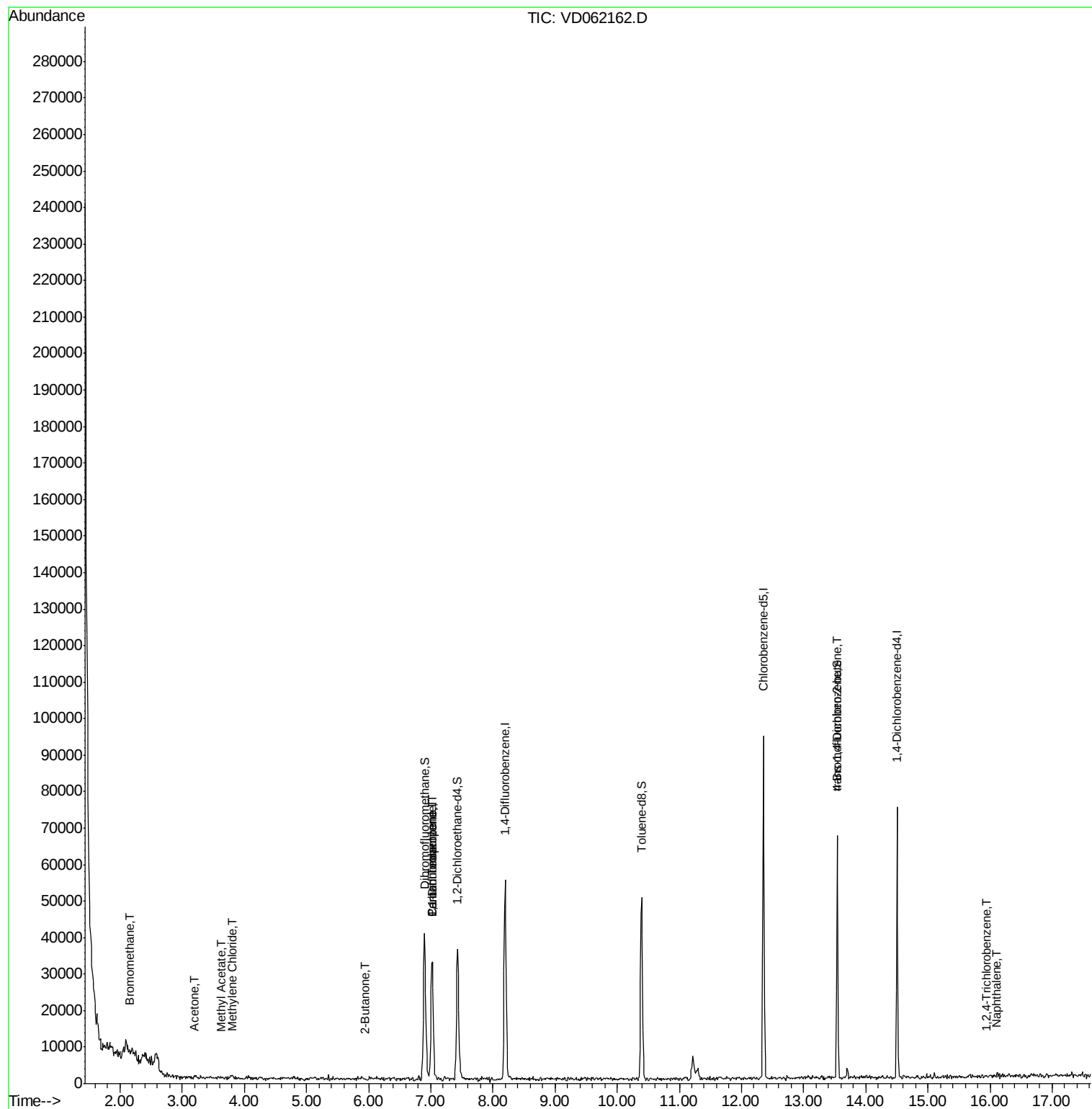
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	435	8.040	ug/l #	12
16) Acetone	3.20	43	1167	17.613	ug/l #	50
18) Methyl Acetate	3.62	43	294	2.191	ug/l #	53
20) Methylene Chloride	3.80	84	530	1.916	ug/l #	49
25) 2-Butanone	5.93	43	210	2.906	ug/l #	56
36) 1,1-Dichloropropene	7.03	75	2087	3.979	ug/l #	40
38) Carbon Tetrachloride	7.04	117	3308	4.557	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	8562	158.364	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.94	180	379	1.280	ug/l #	11
95) Naphthalene	16.12	128	927	2.242	ug/l #	70

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

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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: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

Instrument :

MSVOA_D

ClientSampleId :

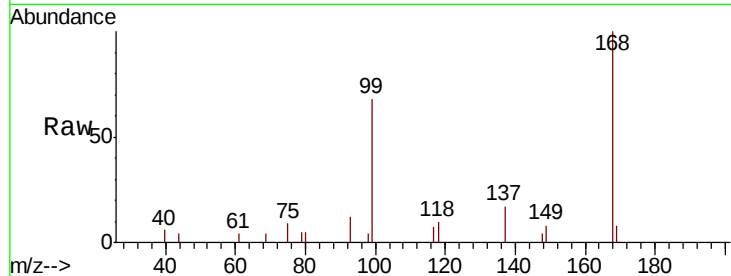
SB-06-1.5-2.0

Tot Ion:168 Resp: 33999

Ion Ratio Lower Upper

168 100

99 67.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

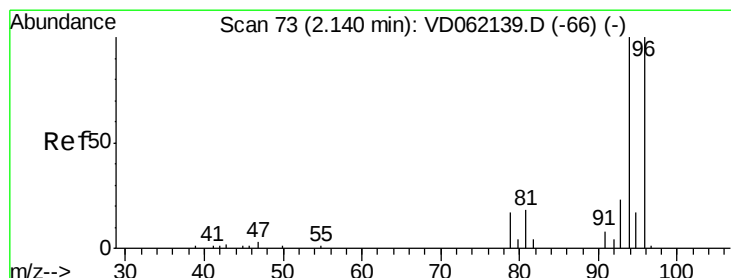
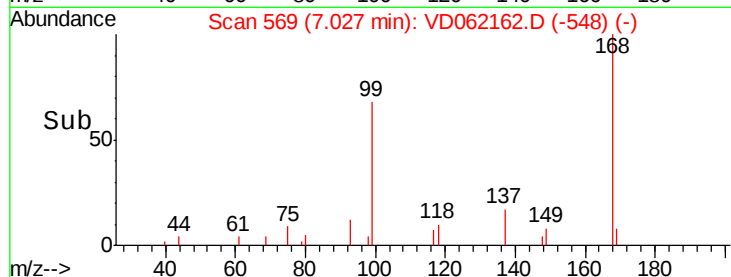
7.03

10000

5000

0

Time--> 6.90 7.00 7.10



#5

Bromomethane

Concen: 8.040 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

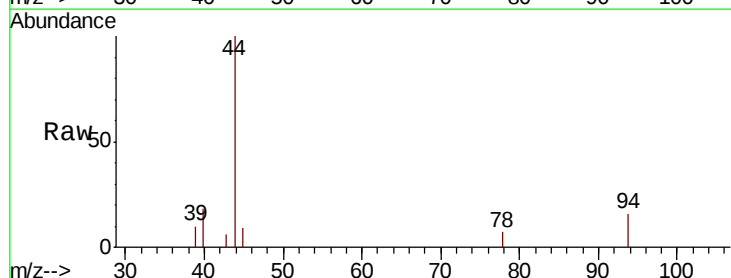
Tgt Ion: 94 Resp: 435

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

1200

1000

800

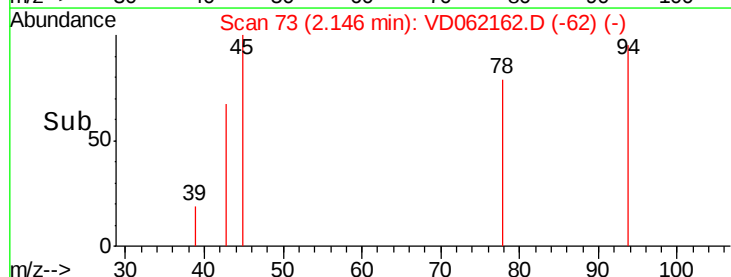
600

400

200

0

Time--> 2.10 2.12 2.14 2.16 2.18





#16

Acetone

Concen: 17.613 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

Instrument :

MSVOA_D

ClientSampleId :

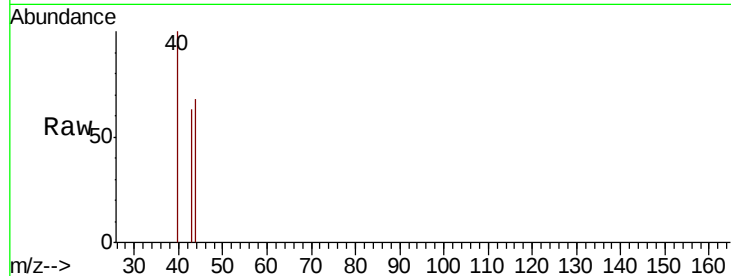
SB-06-1.5-2.0

Tot Ion: 43 Resp: 1167

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

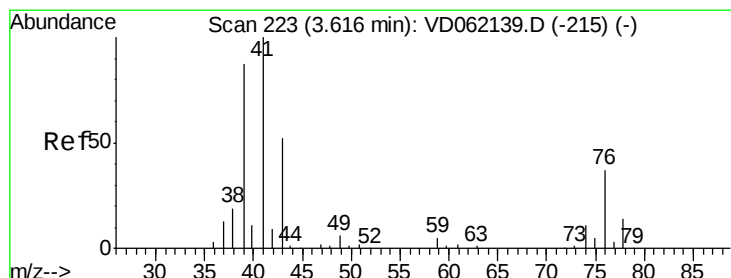
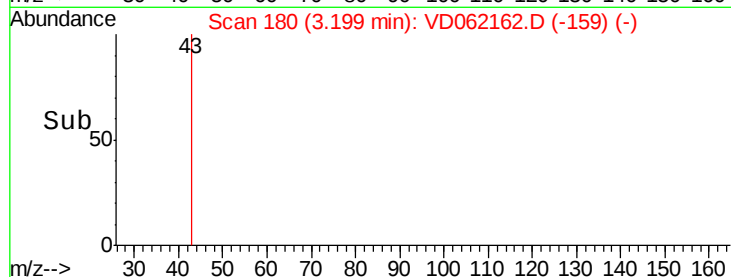
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 2.191 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062162.D

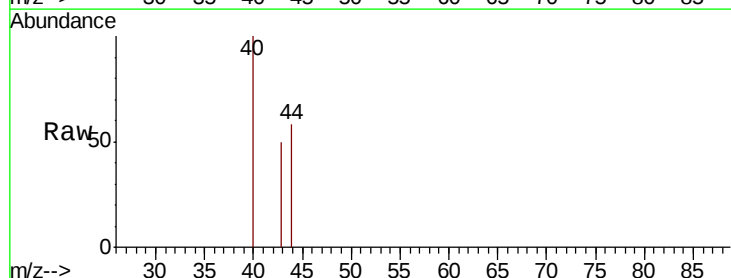
Acq: 8 May 2019 6:08

Tgt Ion: 43 Resp: 294

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

500

400

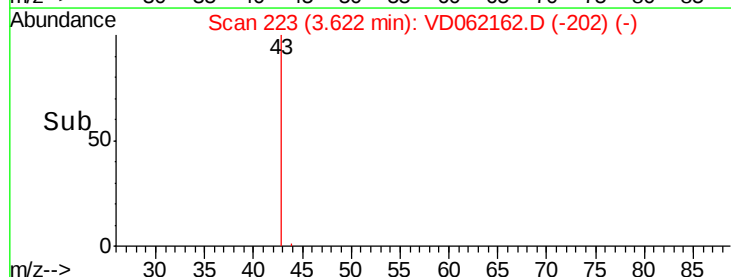
300

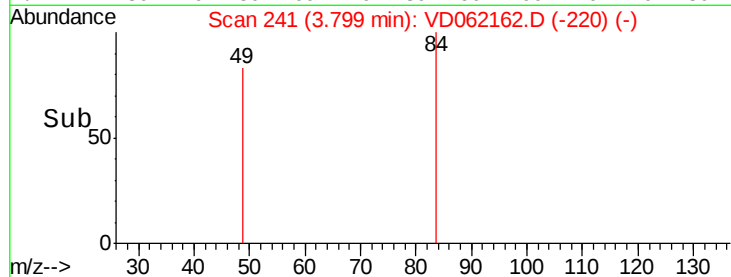
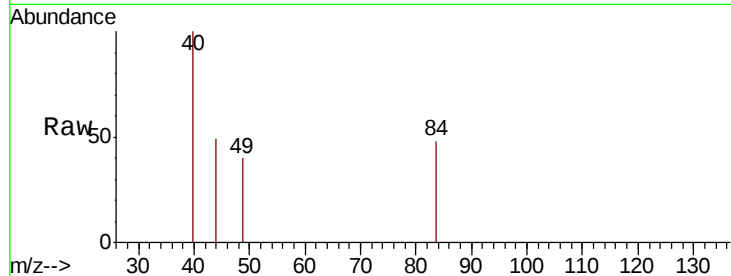
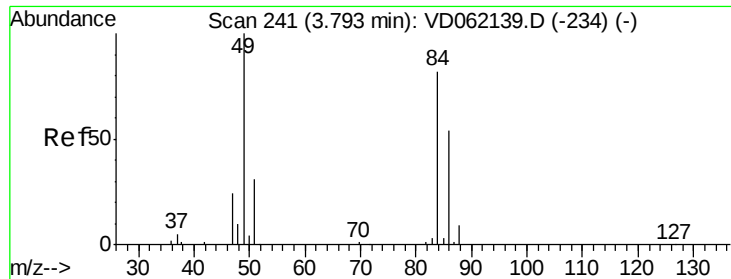
200

100

0

Time-->

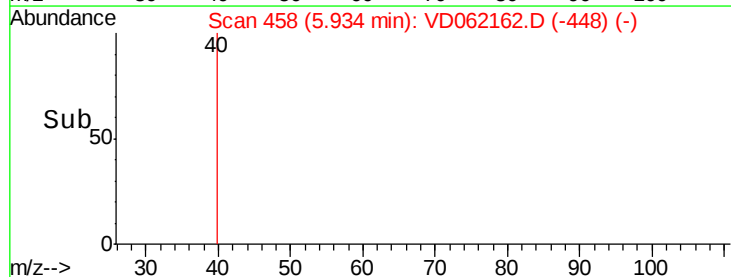
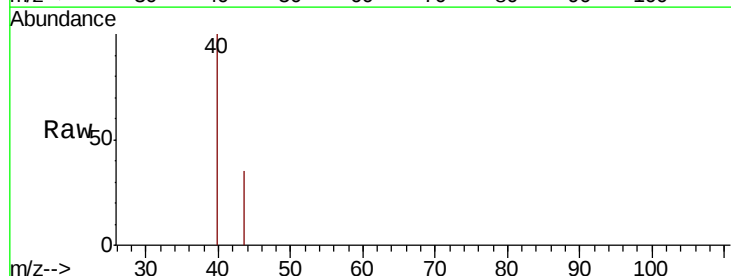
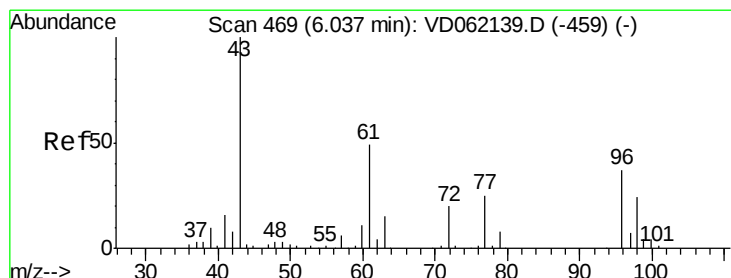
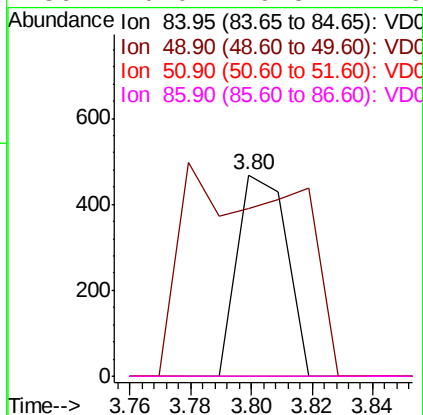




#20
Methvlene Chloride
Concen: 1.916 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062162.D
Acq: 8 May 2019 6:08

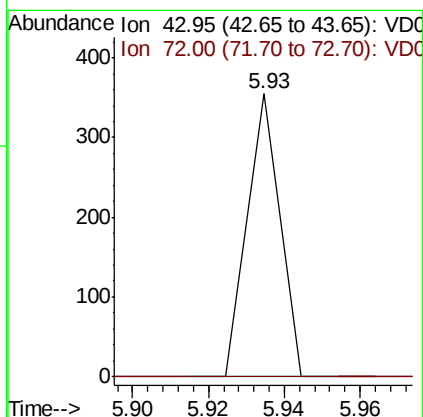
Instrument :
MSVOA_D
ClientSampleId :
SB-06-1.5-2.0

Tot Ion: 84 Resp: 530
Ion Ratio Lower Upper
84 100
49 83.1 94.0 141.0#
51 0.0 29.0 43.4#
86 0.0 49.8 74.6#



#25
2-Butanone
Concen: 2.906 ug/l
RT: 5.93 min Scan# 458
Delta R.T. -0.10 min
Lab File: VD062162.D
Acq: 8 May 2019 6:08

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

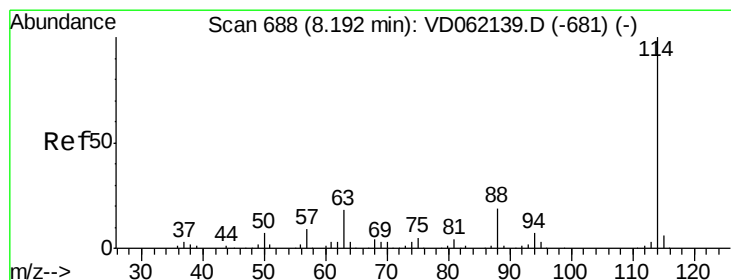
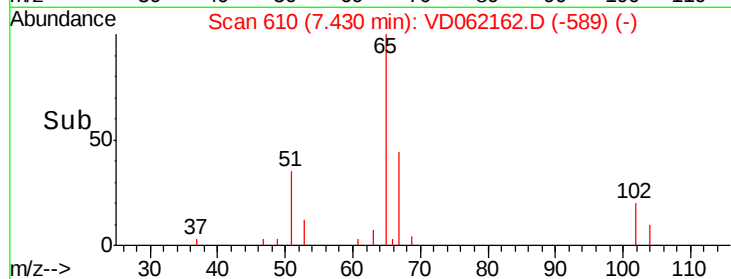
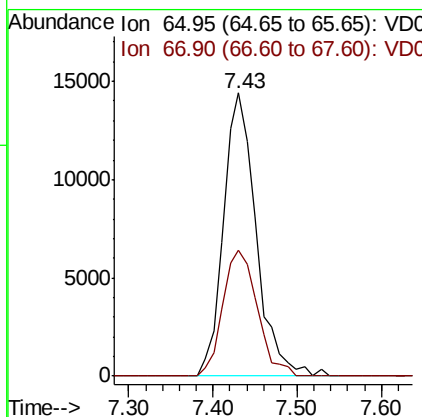
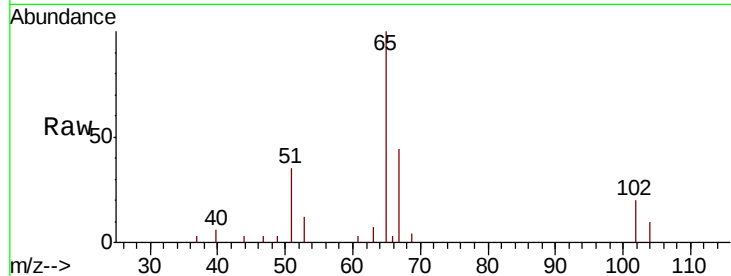




#33
 1,2-Dichloroethane-d4
 Concen: 122.615 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

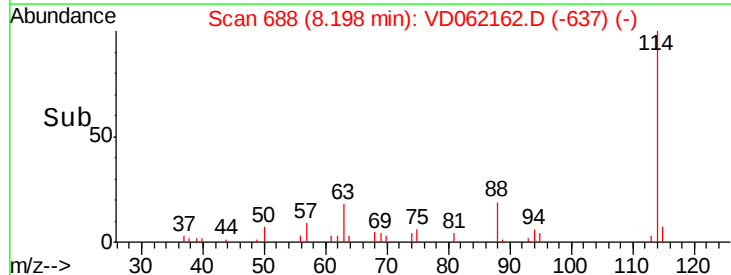
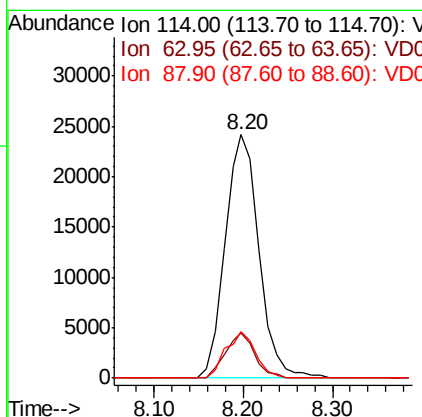
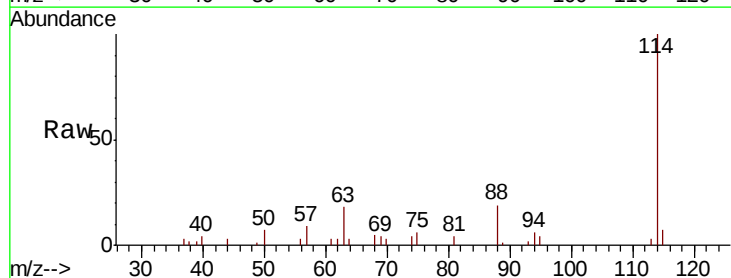
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-1.5-2.0

Tot Ion: 65 Resp: 38741
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

Tgt Ion: 114 Resp: 63972
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 32.4
 88 19.3 0.0 33.6

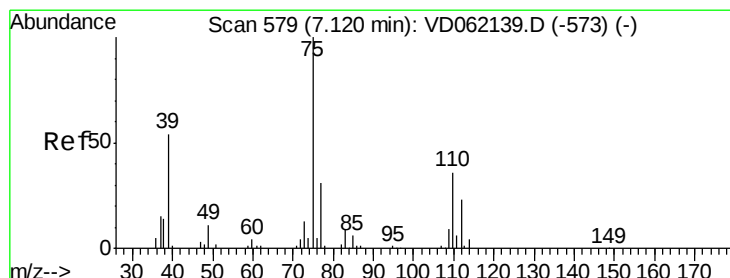
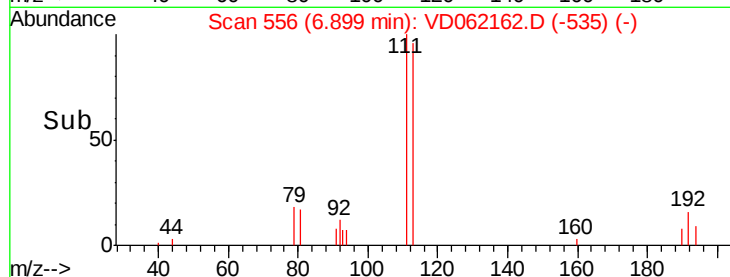
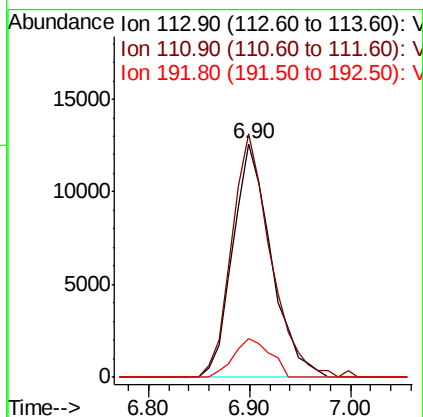
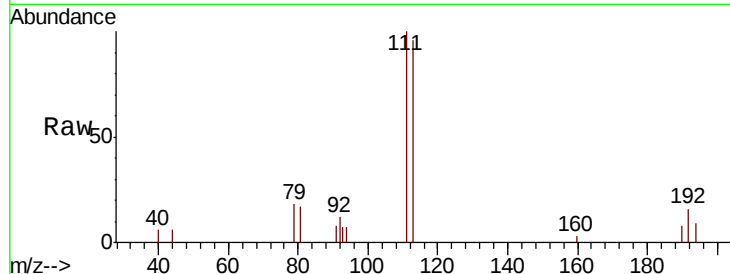




#35
 Dibromofluoromethane
 Concen: 62.700 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

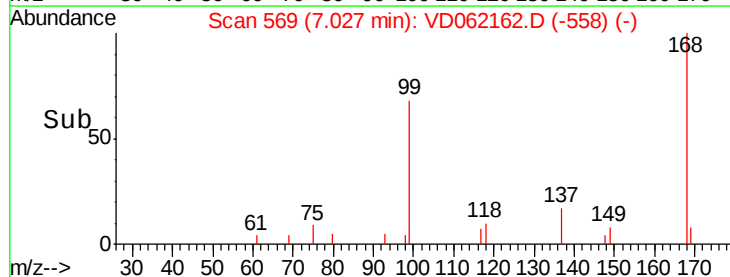
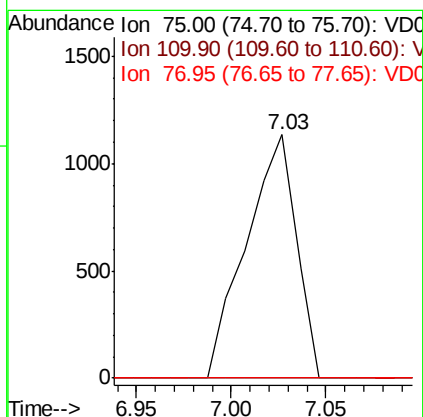
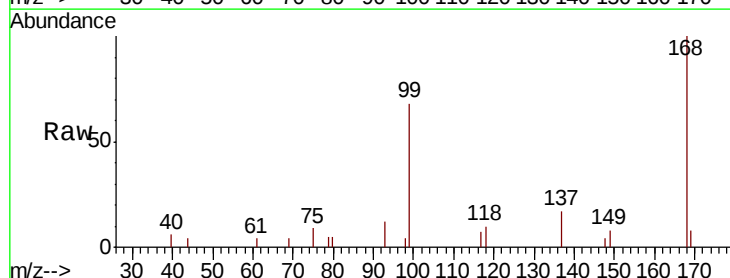
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-1.5-2.0

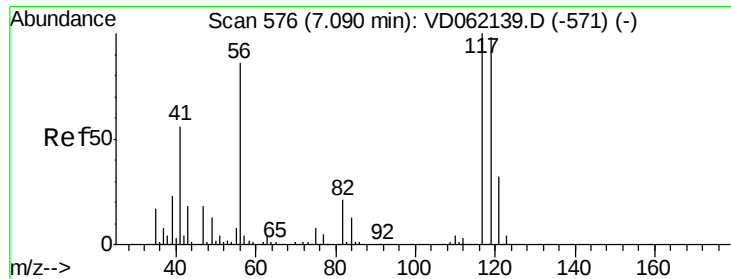
Tot Ion:113 Resp: 33280
 Ion Ratio Lower Upper
 113 100
 111 104.1 78.5 117.7
 192 16.8 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 3.979 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

Tgt Ion: 75 Resp: 2087
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.557 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

Instrument :

MSVOA_D

ClientSampleId :

SB-06-1.5-2.0

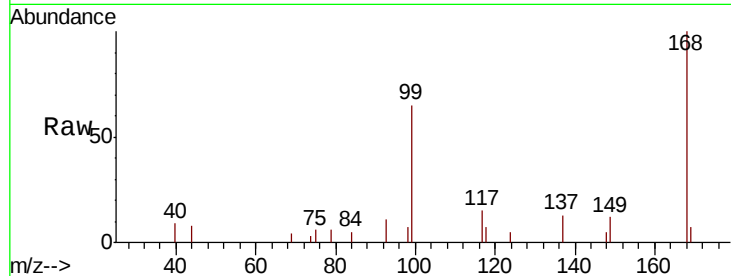
Tot Ion:117 Resp: 3308

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

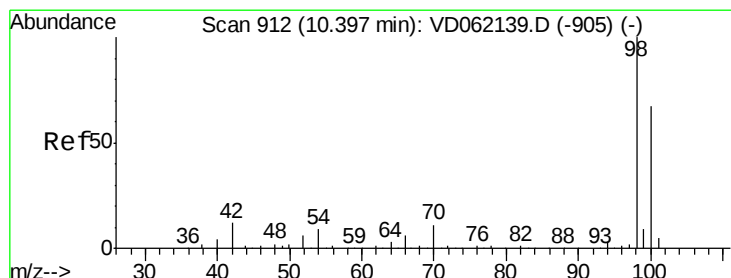
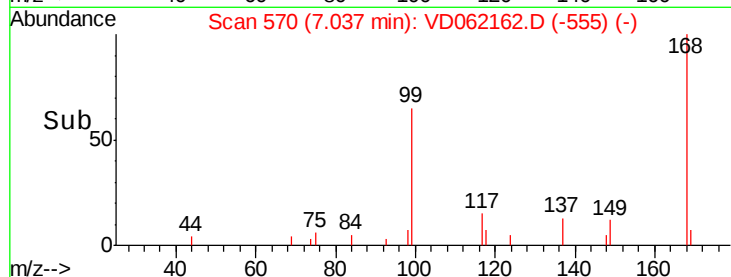
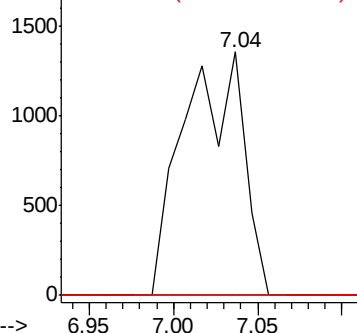
121 0.0 25.9 38.9#



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: 35.884 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD062162.D

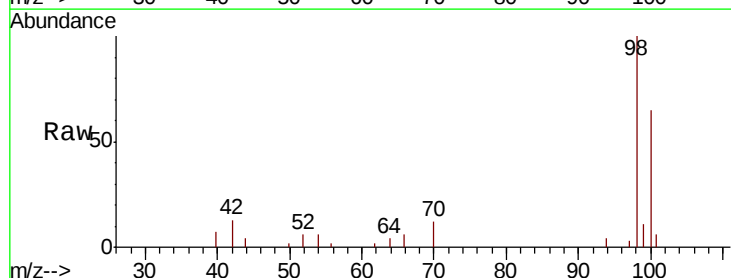
Acq: 8 May 2019 6:08

Tgt Ion: 98 Resp: 45923

Ion Ratio Lower Upper

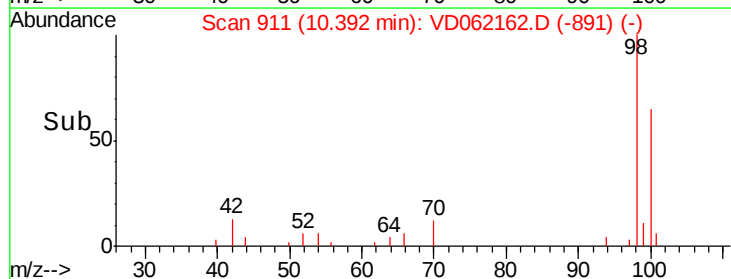
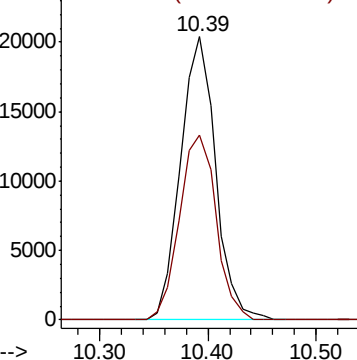
98 100

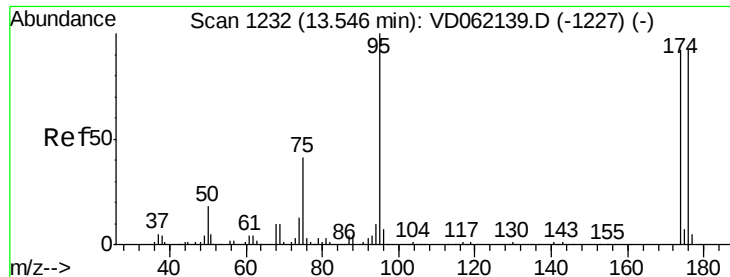
100 65.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 38.529 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

Instrument :

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ClientSampleId :

SB-06-1.5-2.0

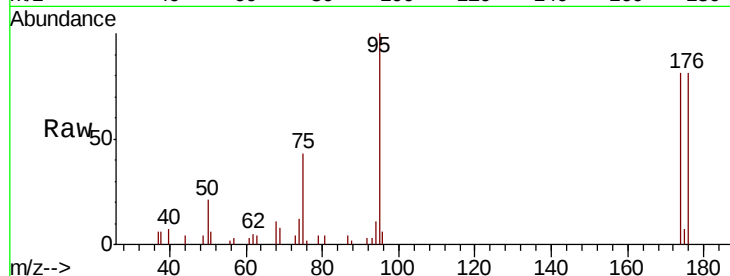
Tot Ion: 95 Resp: 19800

Ion Ratio Lower Upper

95 100

174 80.9 0.0 181.8

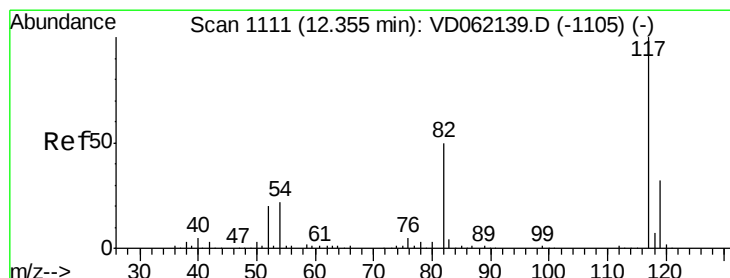
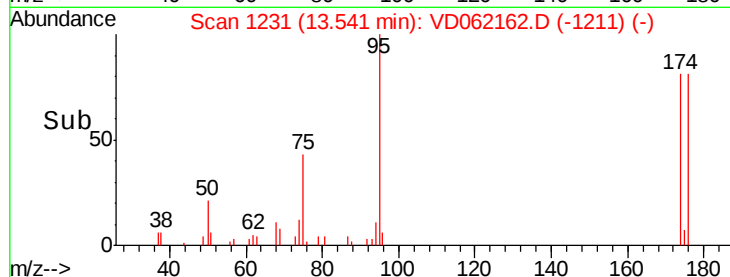
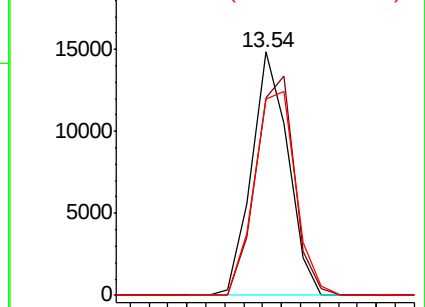
176 80.8 0.0 174.4



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. -0.00 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

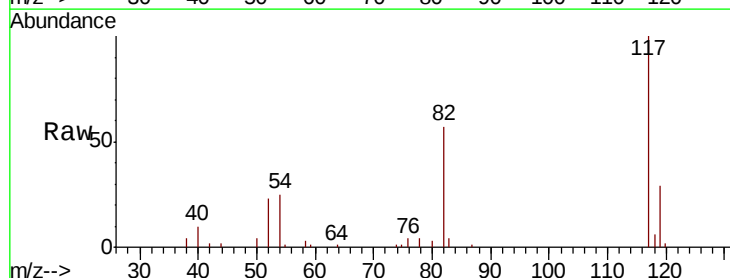
Tgt Ion: 117 Resp: 50399

Ion Ratio Lower Upper

117 100

82 56.8 36.2 54.2#

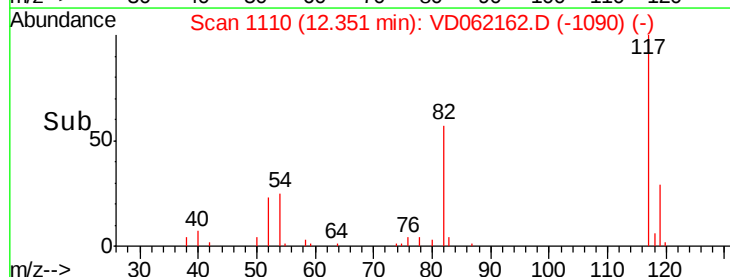
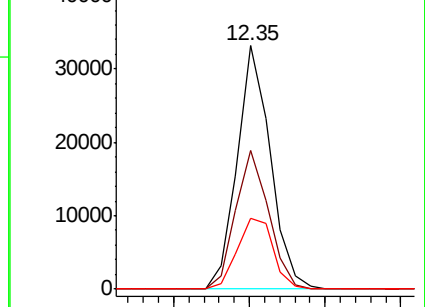
119 29.3 26.2 39.4

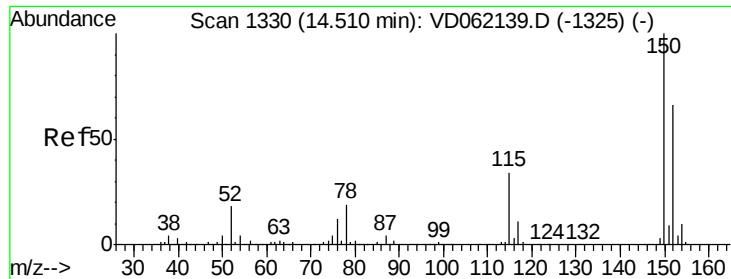


Abundance Ion 116.95 (116.65 to 117.65): V

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. -0.00 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

Instrument :

MSVOA_D

ClientSampleId :

SB-06-1.5-2.0

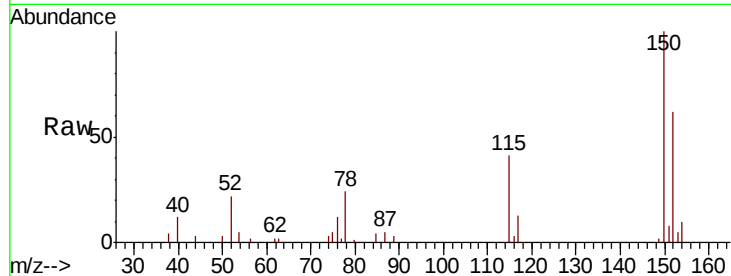
Tot Ion:152 Resp: 16115

Ion Ratio Lower Upper

152 100

115 66.9 30.9 92.7

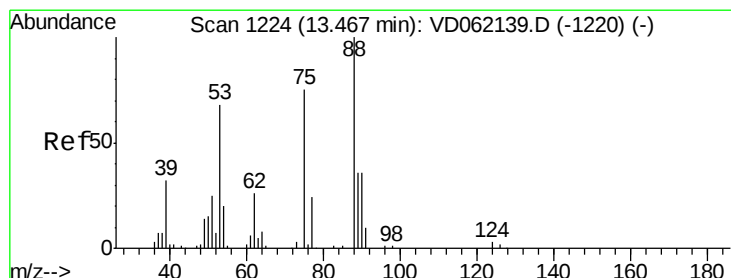
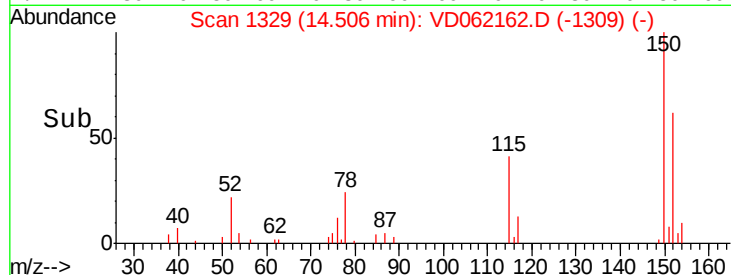
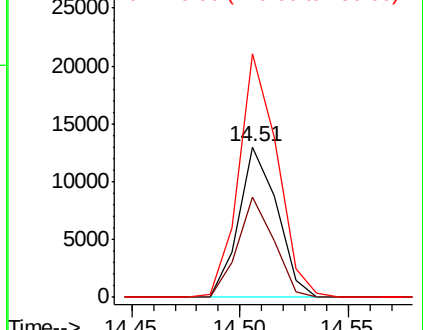
150 161.7 0.0 314.8



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: 158.364 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062162.D

Acq: 8 May 2019 6:08

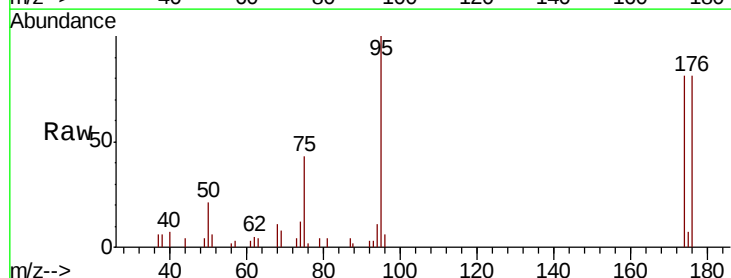
Tgt Ion: 75 Resp: 8562

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

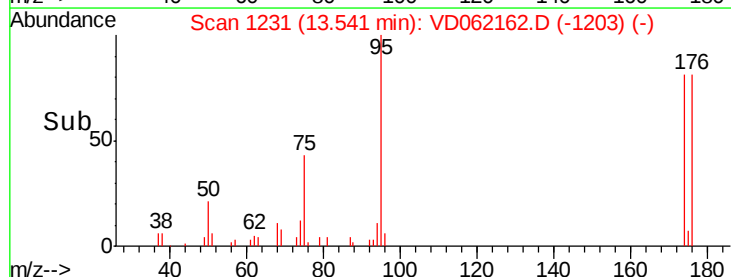
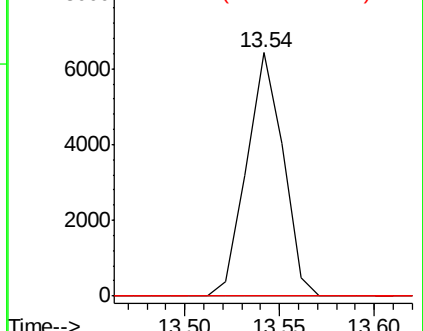
89 0.0 35.0 52.6#

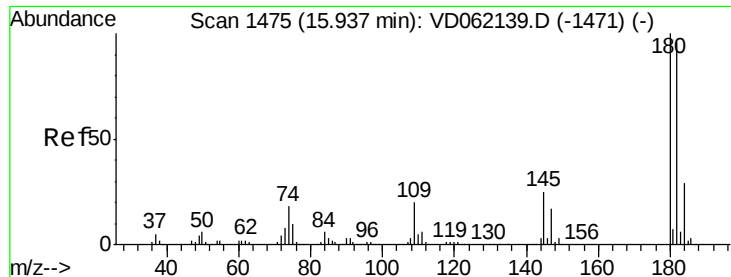


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

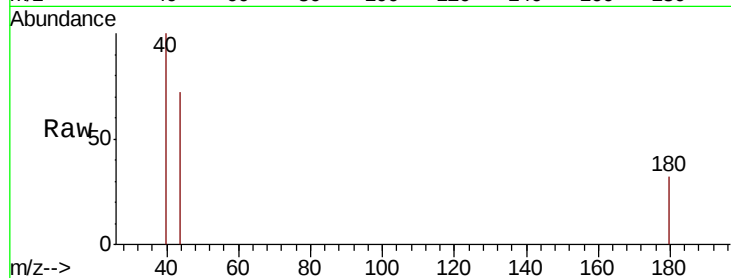




#93
 1,2,4-Trichlorobenzene
 Concen: 1.280 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

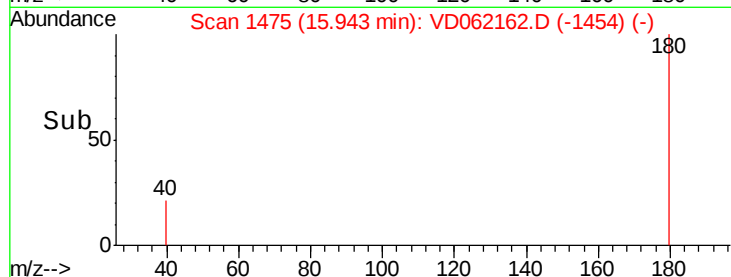
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-06-1.5-2.0

Tot Ion:180 Resp: 379
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.3 147.8#
 145 0.0 16.2 48.6#

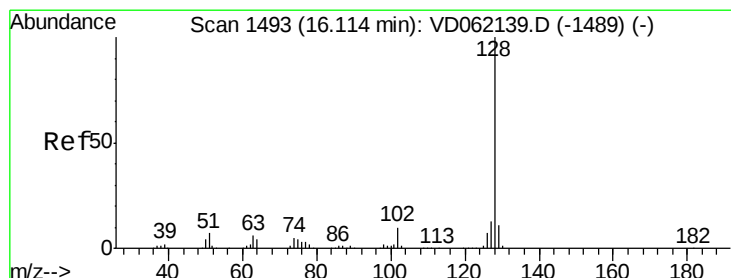


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

15.94

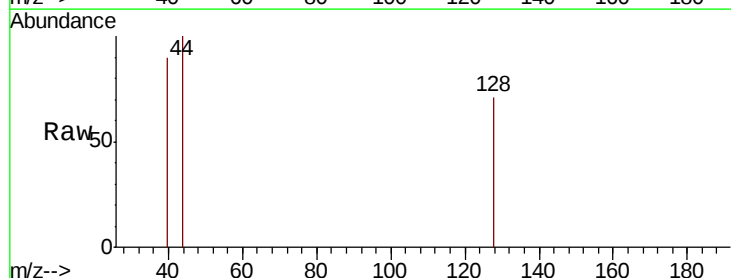


Time-->



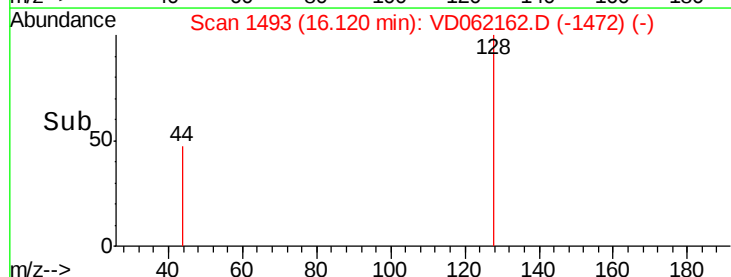
#95
 Naphthalene
 Concen: 2.242 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062162.D
 Acq: 8 May 2019 6:08

Tgt Ion:128 Resp: 927
 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

16.12



Time-->