

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062654.D
 Acq On : 10 Jun 2019 15:33
 Operator : VA/AP
 Sample : K3273-15
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7_1.0-1.5_060719

Quant Time: Jun 11 03:57:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	618298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	818563	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	677211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	357126	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	325471	36.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.96%	
35) Dibromofluoromethane	6.92	113	334036	38.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.38%	
50) Toluene-d8	10.40	98	599332	33.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.00%	
62) 4-Bromofluorobenzene	13.55	95	302388	35.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.38%	

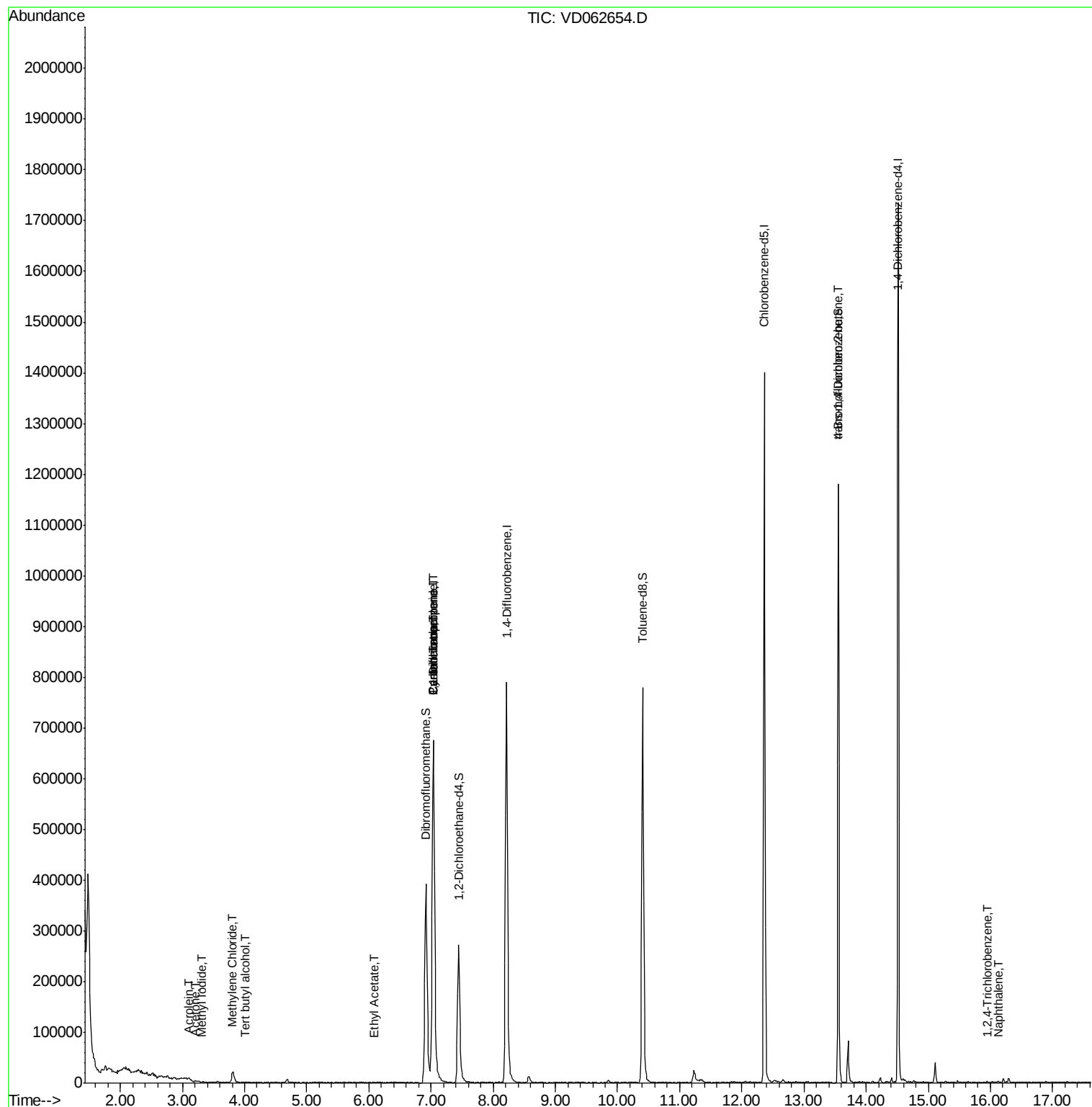
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1026	Below Cal	#	42
10) Methyl Iodide	3.31	142	235	4.028	ug/l #	24
11) Tert butyl alcohol	3.99	59	652	1.778	ug/l #	61
13) Acrolein	3.09	56	609	5.162	ug/l #	12
16) Acetone	3.22	43	5991	3.667	ug/l #	59
20) Methylene Chloride	3.82	84	12474	1.593	ug/l #	87
31) Cyclohexane	7.03	56	15178	2.156	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	54207	5.786	ug/l #	51
37) Ethyl Acetate	6.08	43	582	1.343	ug/l #	74
38) Carbon Tetrachloride	7.04	117	66153	4.467	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	150935	100.815	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	989	3.668	ug/l #	47
95) Naphthalene	16.12	128	2468	3.627	ug/l #	71

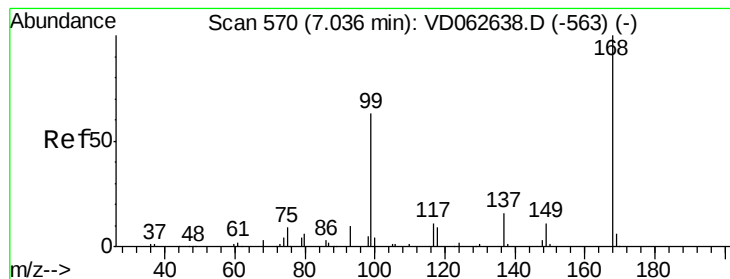
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

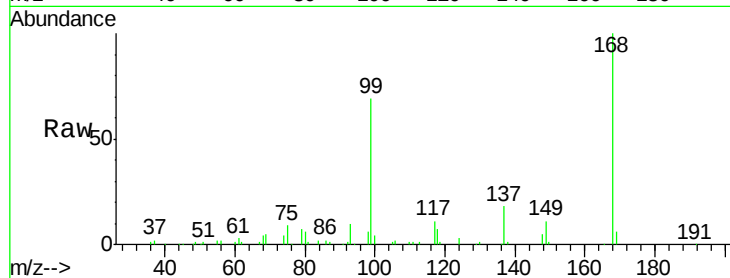
SB-7_1.0-1.5_060719

Tgt Ion:168 Resp: 618298

Ion Ratio Lower Upper

168 100

99 69.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

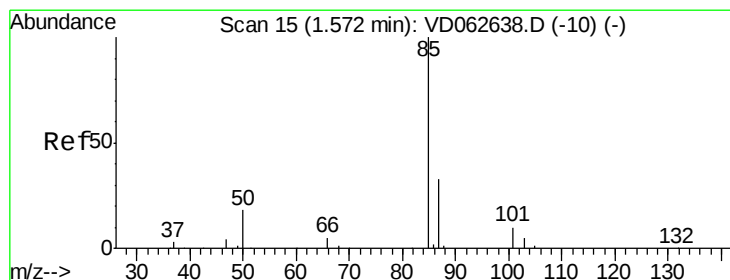
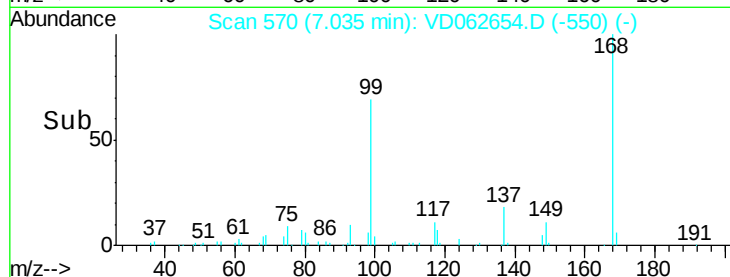
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062654.D

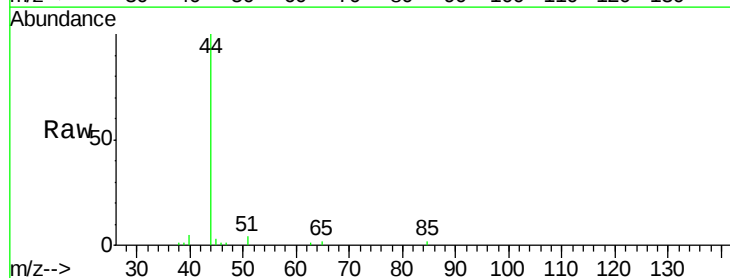
Acq: 10 Jun 2019 15:33

Tgt Ion: 85 Resp: 1026

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

1000

800

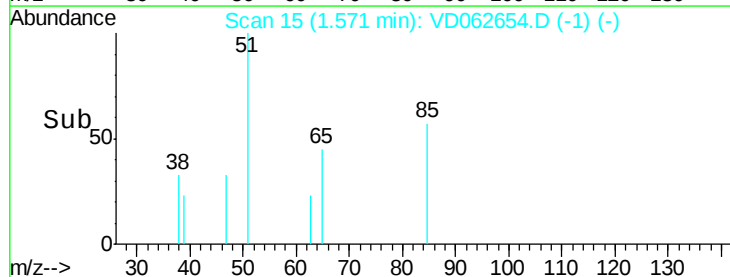
600

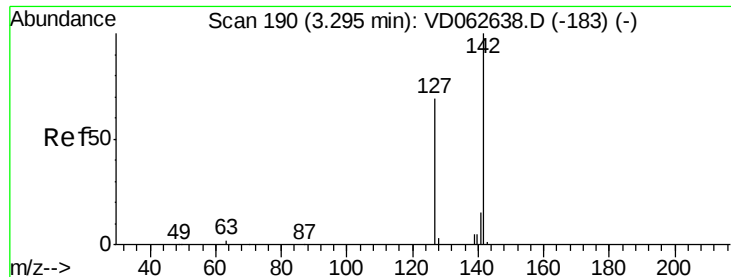
400

200

0

Time-->

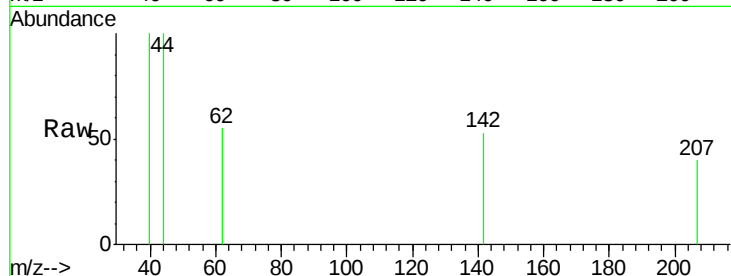




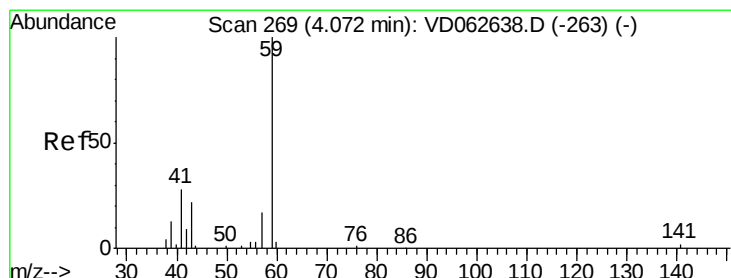
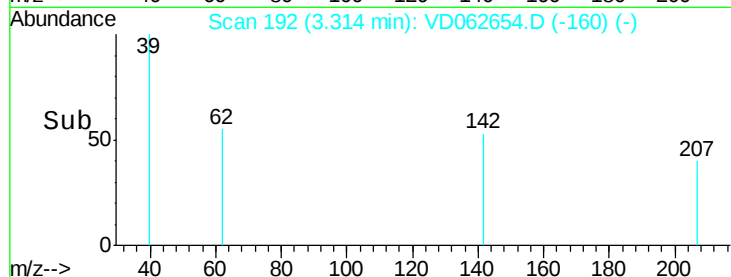
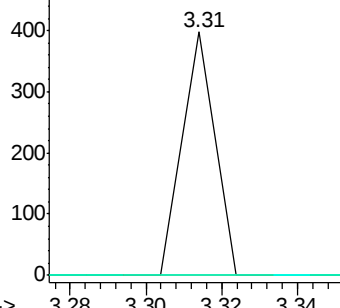
#10
Methyl Iodide
Concen: 4.028 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
SB-7_1.0-1.5_060719

Tgt Ion: 142 Resp: 235
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

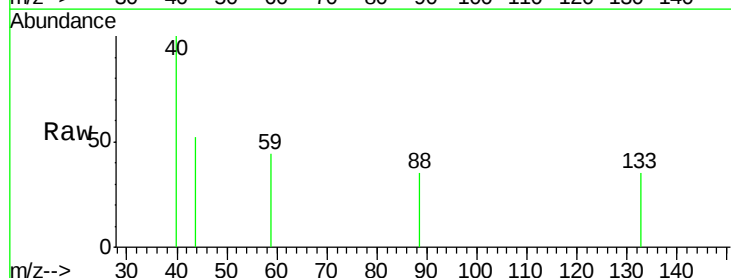


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

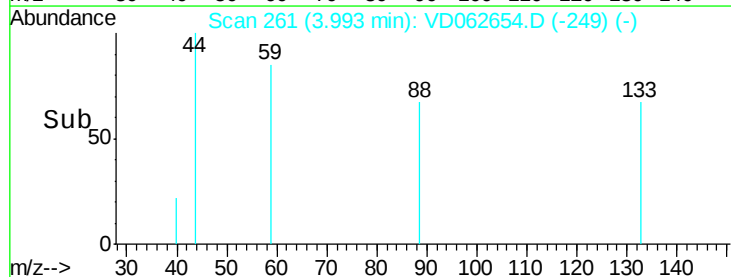
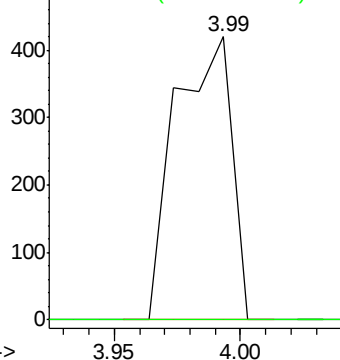


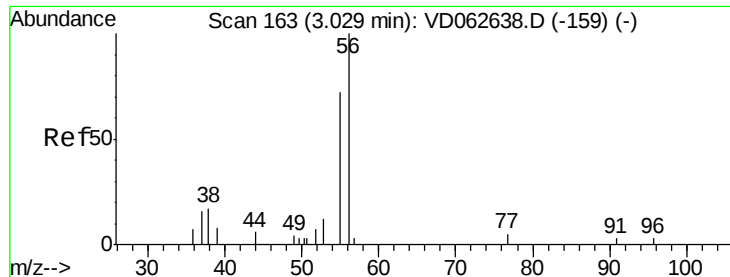
#11
Tert butyl alcohol
Concen: 1.778 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.08 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

Tgt Ion: 59 Resp: 652
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#13

Acrolein

Concen: 5.162 ug/l

RT: 3.09 min Scan# 169

Delta R.T. 0.06 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

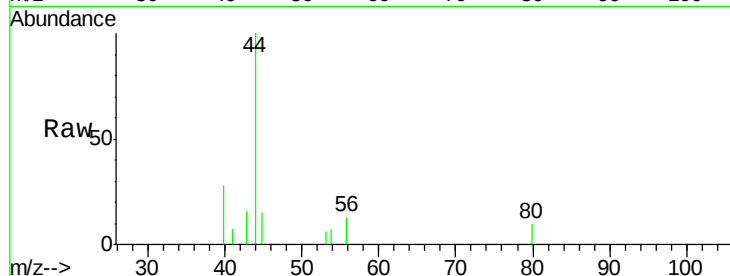
SB-7_1.0-1.5_060719

Tgt Ion: 56 Resp: 609

Ion Ratio Lower Upper

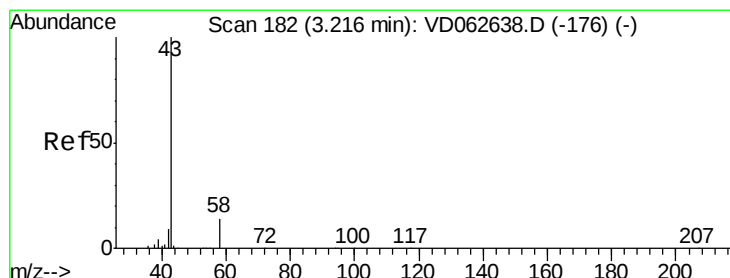
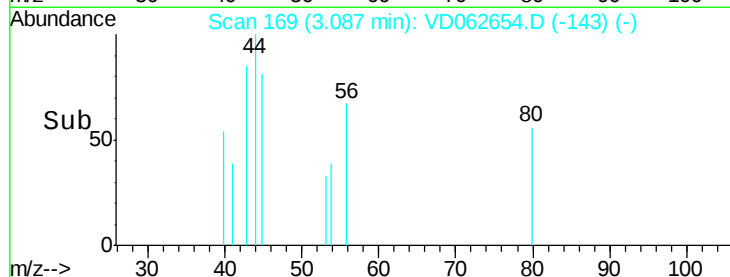
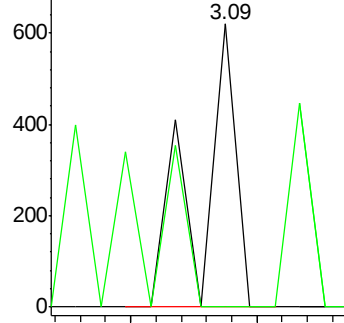
56 100

55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.667 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062654.D

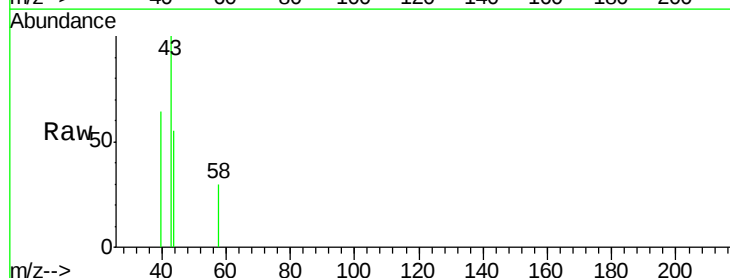
Acq: 10 Jun 2019 15:33

Tgt Ion: 43 Resp: 5991

Ion Ratio Lower Upper

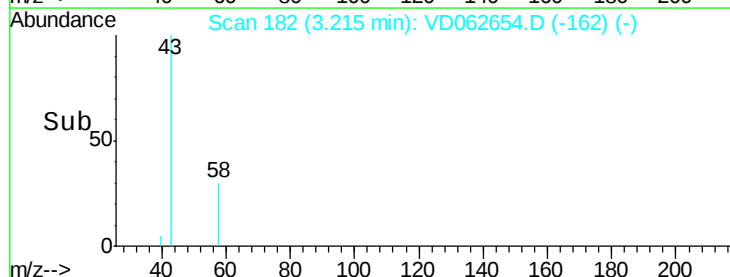
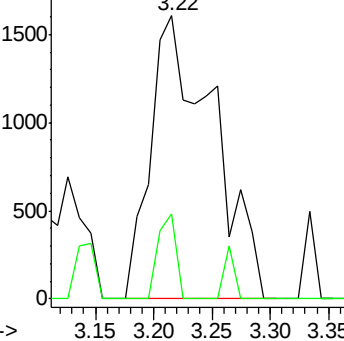
43 100

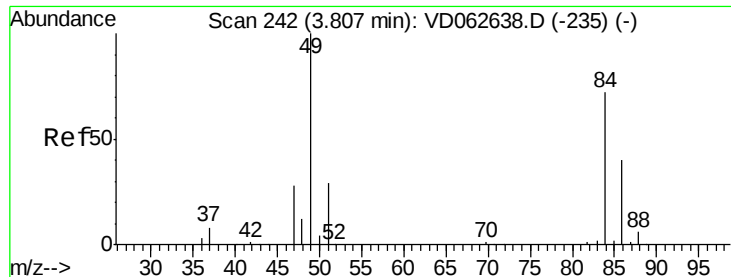
58 30.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

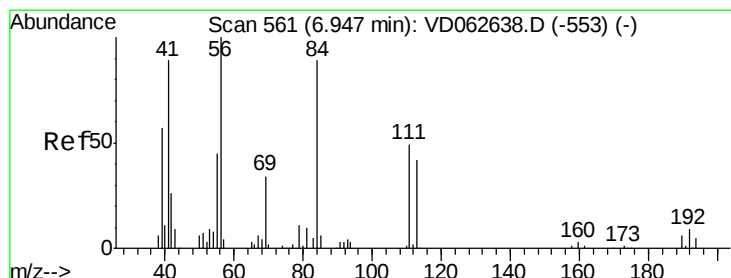
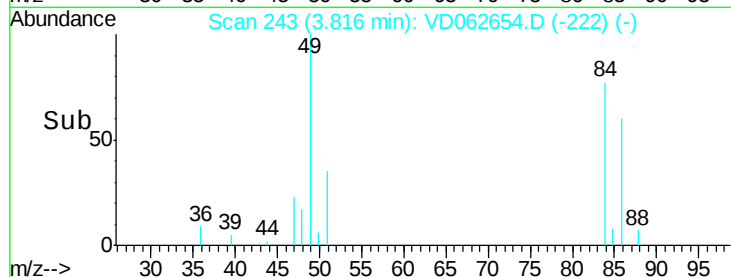
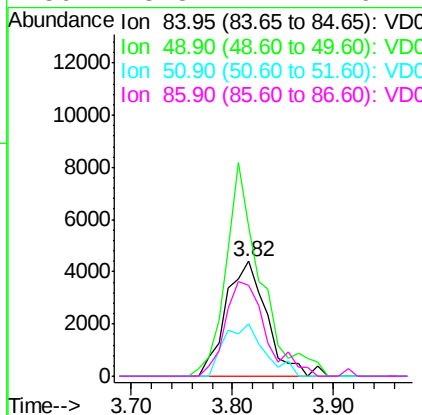
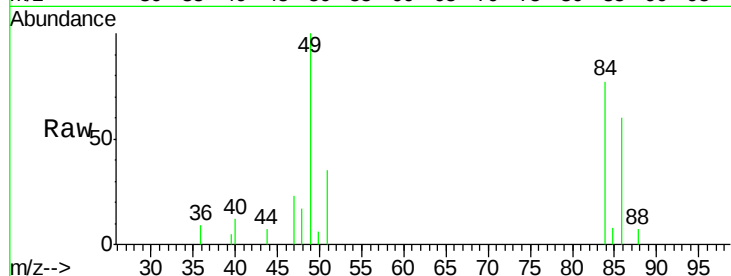




#20
Methylene Chloride
Concen: 1.593 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

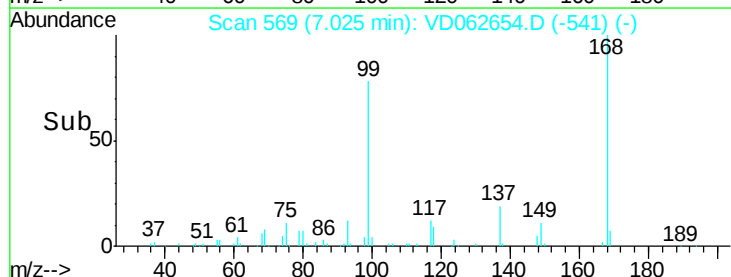
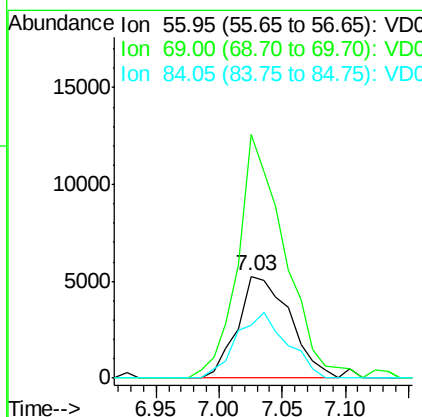
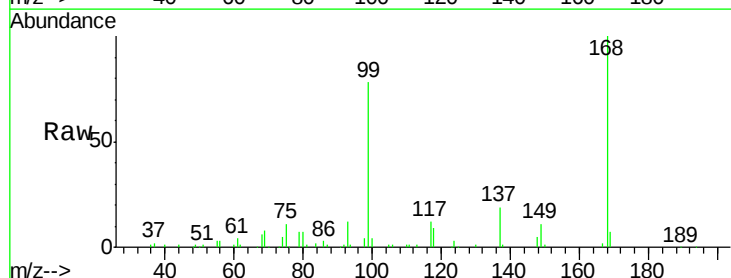
Instrument :
MSVOA_D
ClientSampleId :
SB-7_1.0-1.5_060719

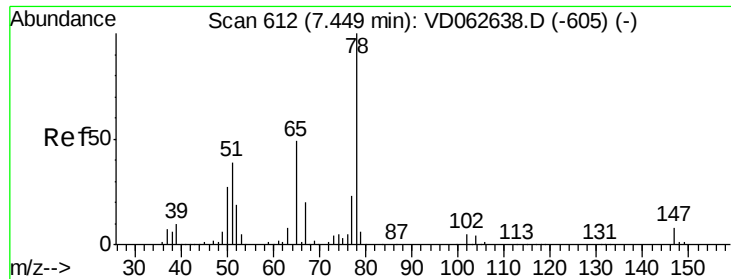
Tgt Ion: 84 Resp: 12474
Ion Ratio Lower Upper
84 100
49 130.4 111.2 166.8
51 45.4 31.9 47.9
86 78.8 44.7 67.1#



#31
Cyclohexane
Concen: 2.156 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

Tgt Ion: 56 Resp: 15178
Ion Ratio Lower Upper
56 100
69 238.9 26.8 40.2#
84 51.6 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 36.480 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

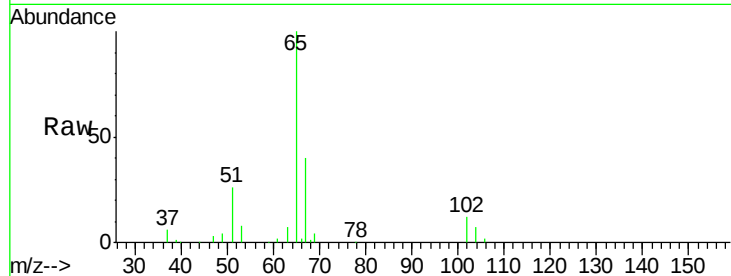
SB-7_1.0-1.5_060719

Tgt Ion: 65 Resp: 325471

Ion Ratio Lower Upper

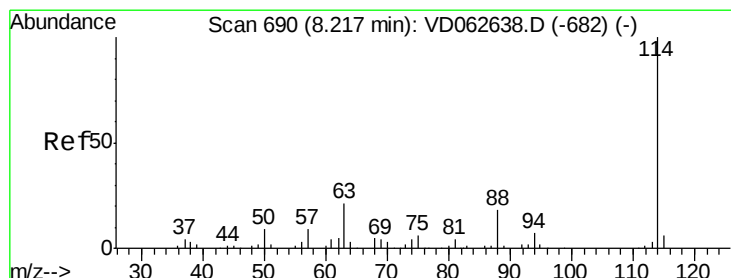
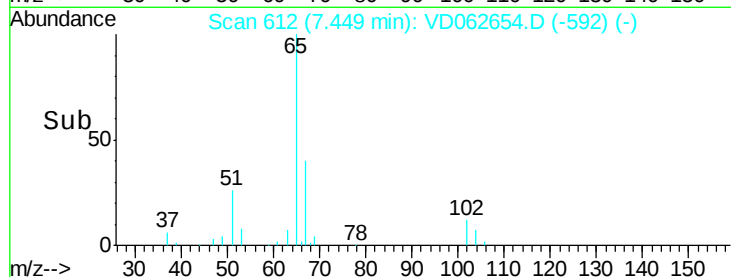
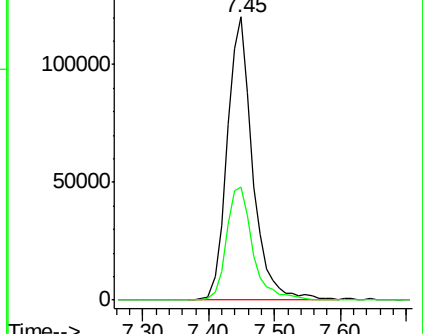
65 100

67 40.1 0.0 81.8



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: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

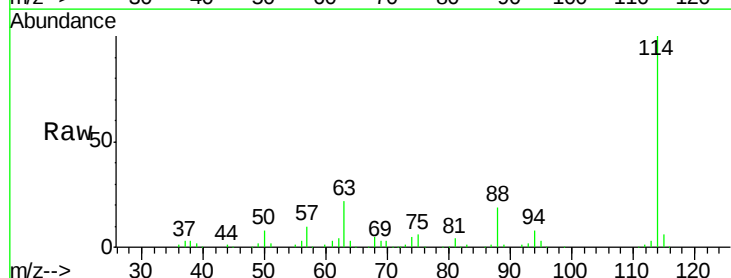
Tgt Ion: 114 Resp: 818563

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

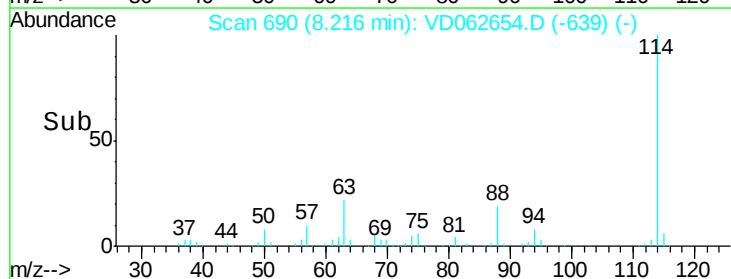
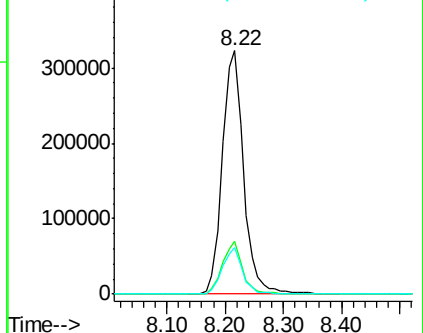
88 19.1 0.0 36.8

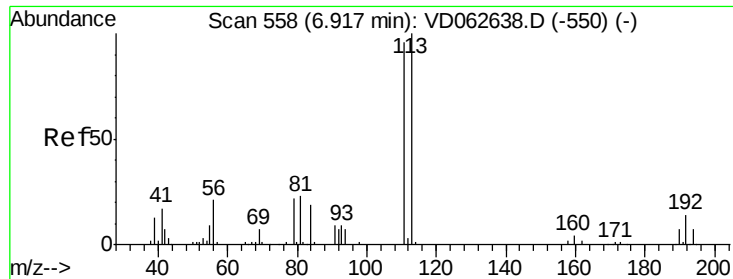


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 38.694 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

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ClientSampleId :

SB-7_1.0-1.5_060719

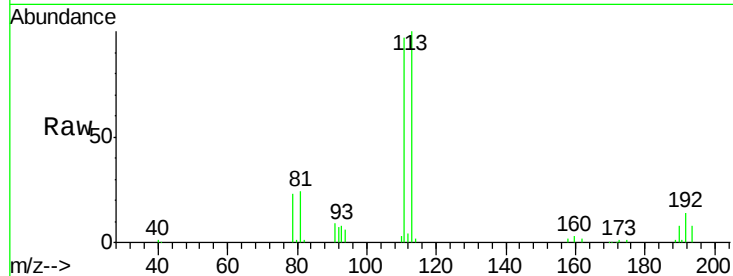
Tgt Ion: 113 Resp: 334036

Ion Ratio Lower Upper

113 100

111 97.3 76.4 114.6

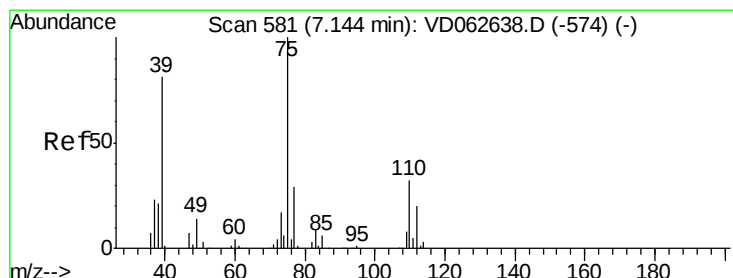
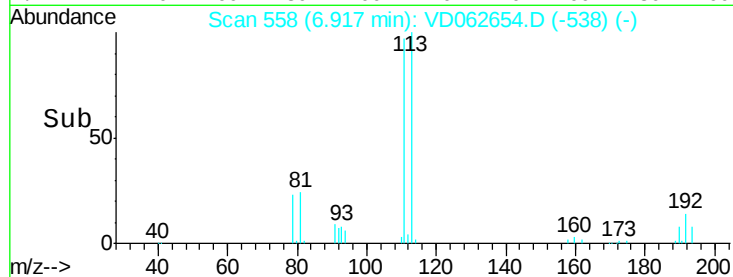
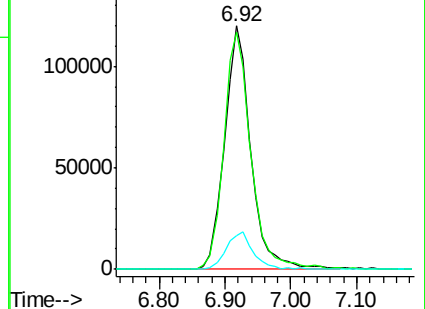
192 14.0 11.4 17.0



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: 5.786 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

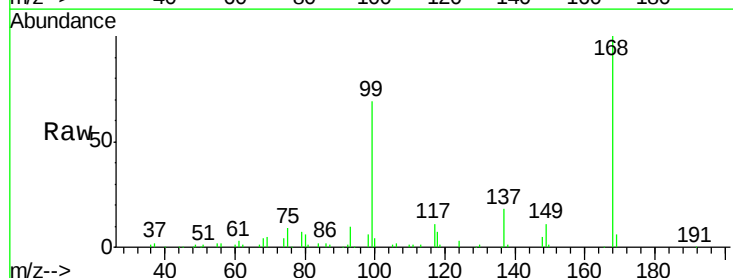
Tgt Ion: 75 Resp: 54207

Ion Ratio Lower Upper

75 100

110 7.6 15.9 47.7#

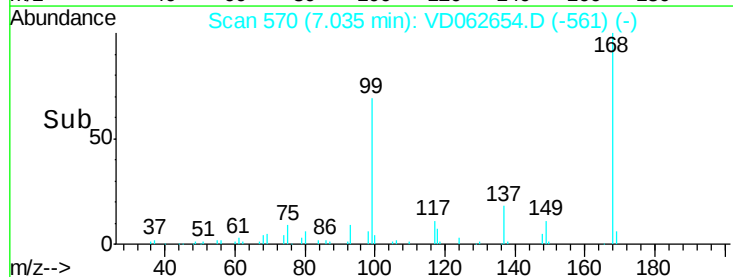
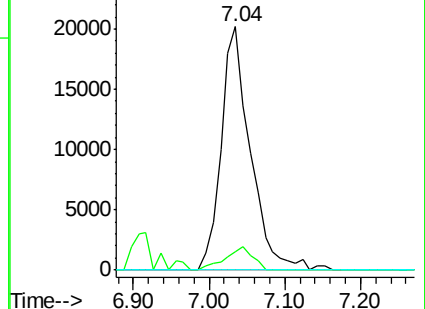
77 0.0 23.3 34.9#

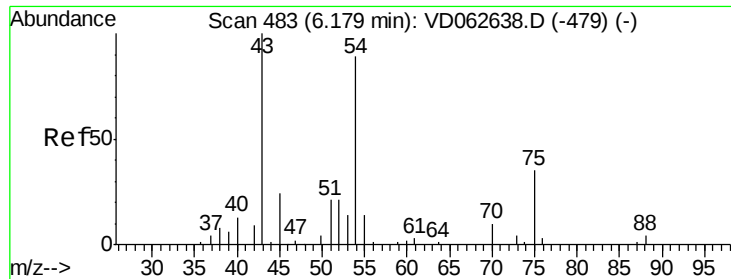


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.343 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.10 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

SB-7_1.0-1.5_060719

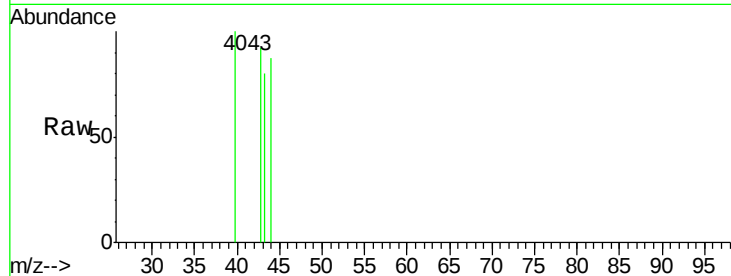
Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

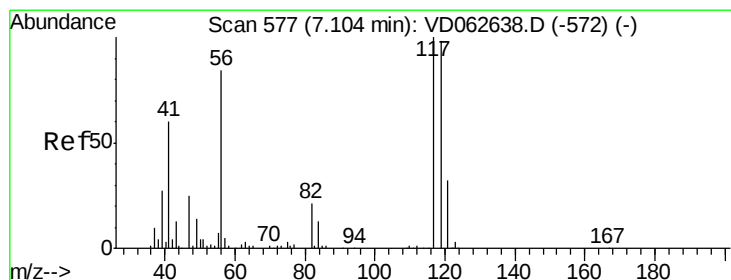
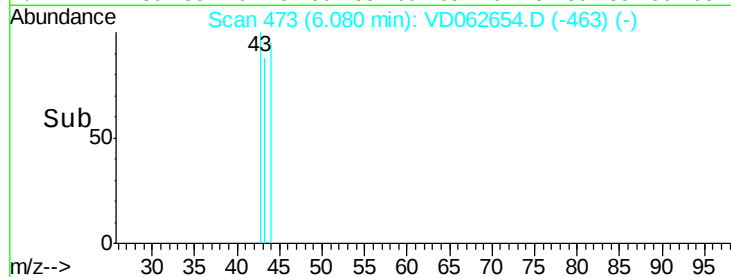
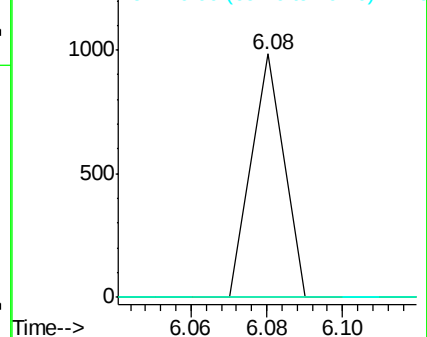
70 0.0 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.467 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

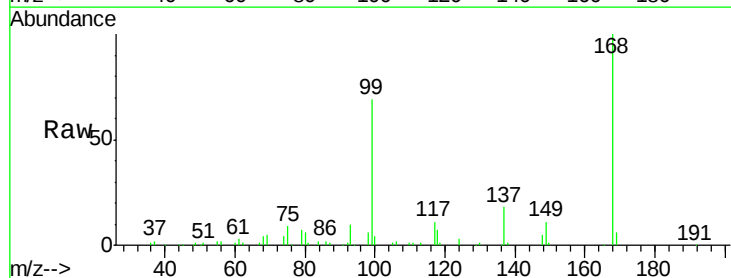
Tgt Ion: 117 Resp: 66153

Ion Ratio Lower Upper

117 100

119 4.6 73.5 110.3#

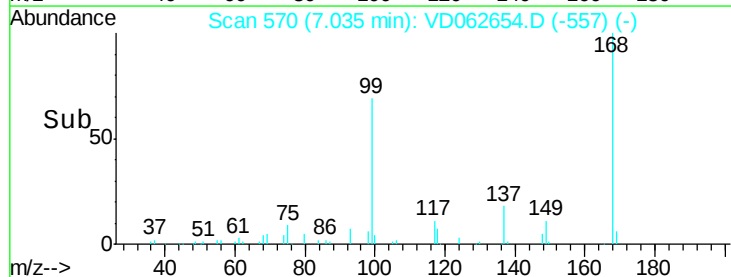
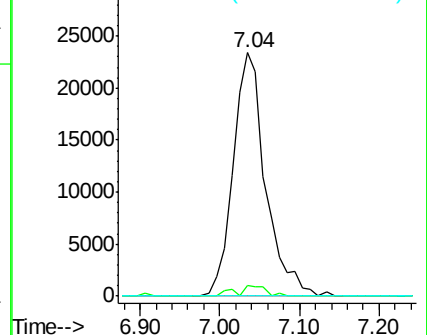
121 0.0 24.2 36.4#

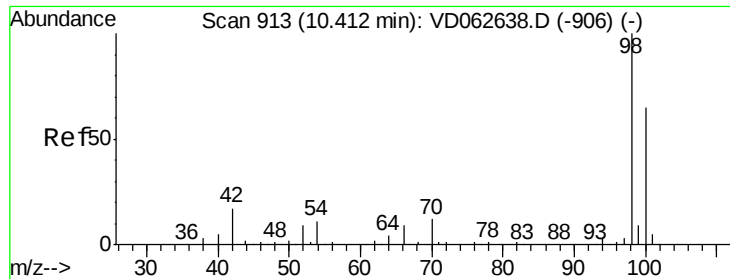


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 33.002 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

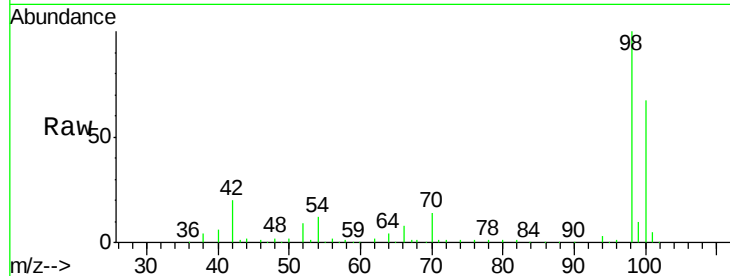
SB-7_1.0-1.5_060719

Tgt Ion: 98 Resp: 599332

Ion Ratio Lower Upper

98 100

100 67.4 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

10.40

250000

200000

150000

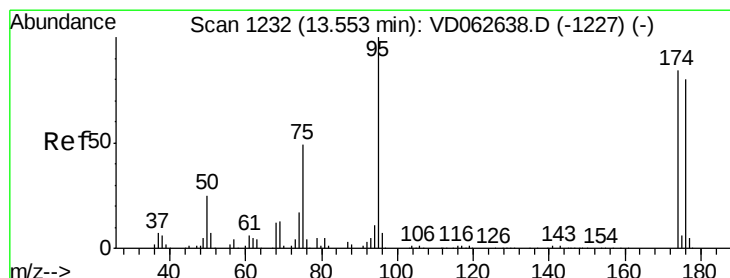
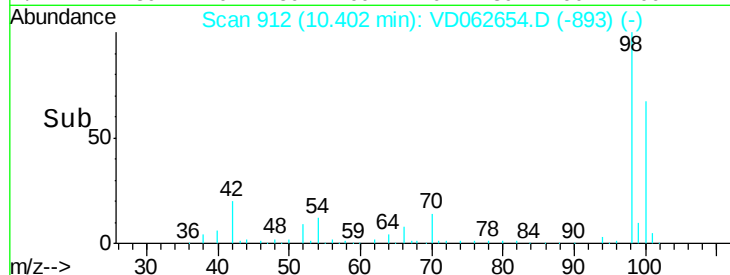
100000

50000

0

Time-->

10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 35.691 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

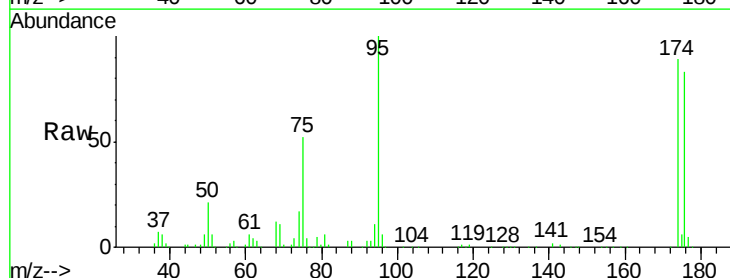
Tgt Ion: 95 Resp: 302388

Ion Ratio Lower Upper

95 100

174 88.5 0.0 167.0

176 83.1 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD062638.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062638.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062638.D (-1227) (-)

13.55

300000

250000

200000

150000

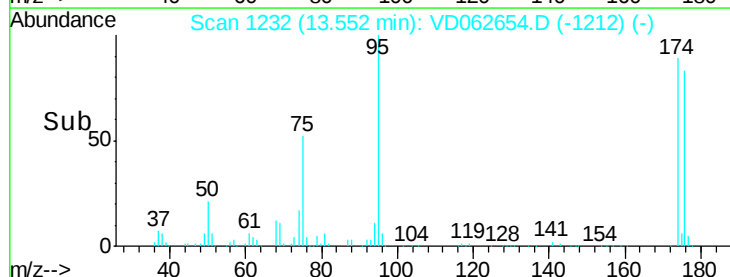
100000

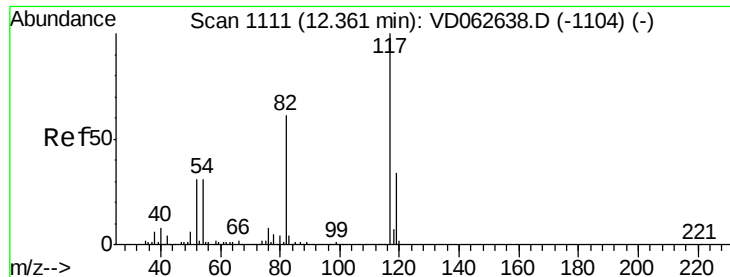
50000

0

Time-->

13.50 13.60

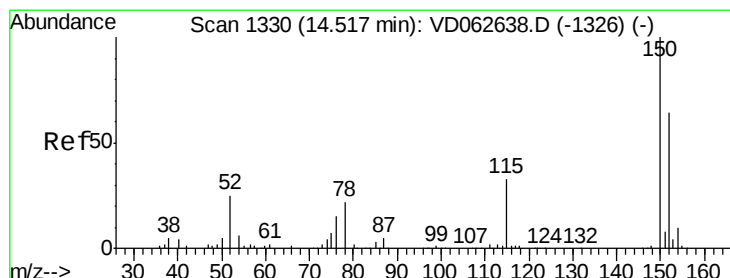
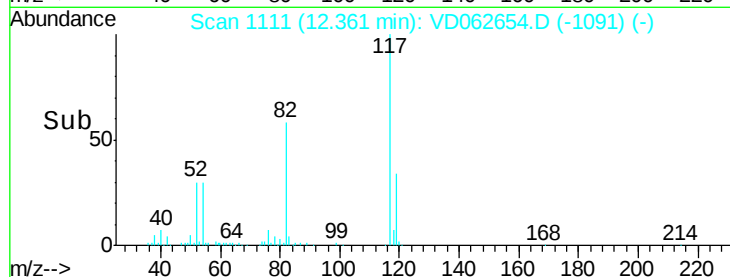
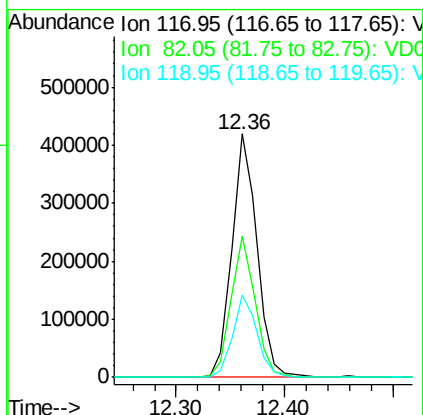
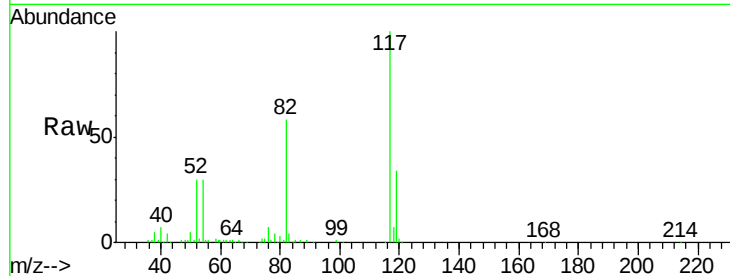




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

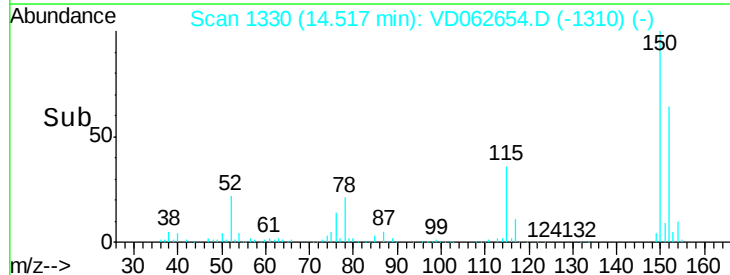
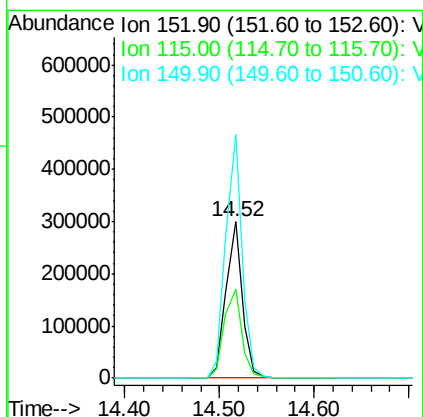
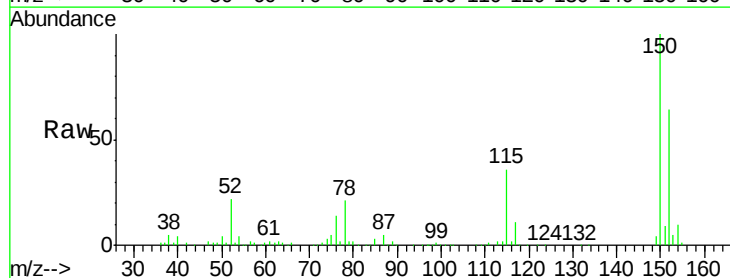
Instrument :
MSVOA_D
ClientSampleId :
SB-7_1.0-1.5_060719

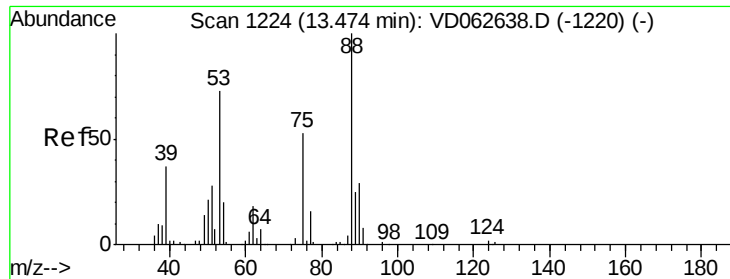
Tgt Ion:117 Resp: 677211
Ion Ratio Lower Upper
117 100
82 58.1 48.7 73.1
119 34.1 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

Tgt Ion:152 Resp: 357126
Ion Ratio Lower Upper
152 100
115 56.4 30.1 90.5
150 155.9 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 100.815 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

SB-7_1.0-1.5_060719

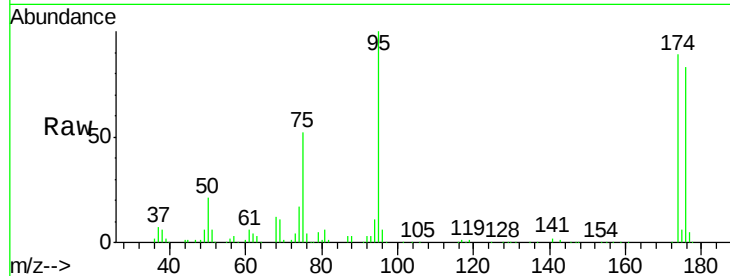
Tgt Ion: 75 Resp: 150935

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

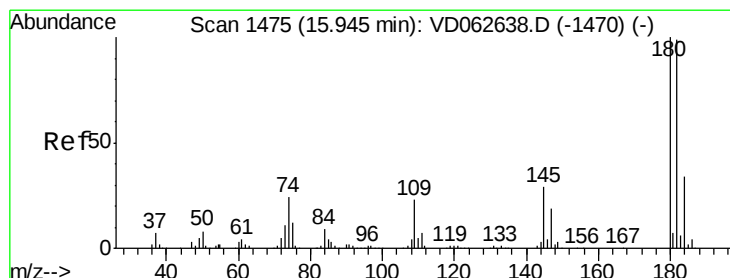
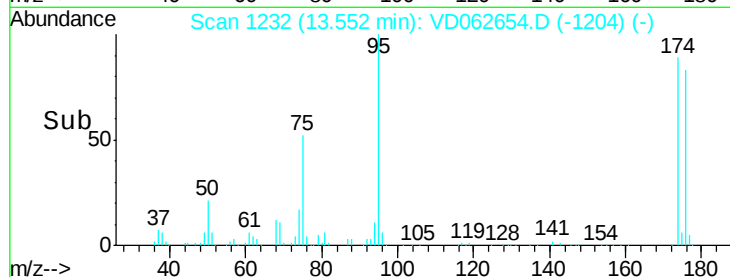
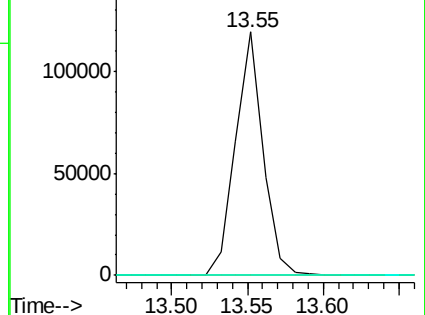
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.668 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062654.D

Acq: 10 Jun 2019 15:33

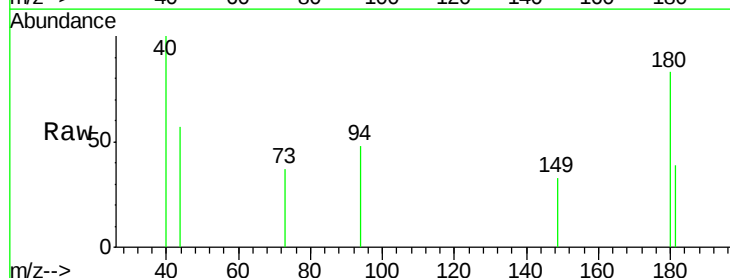
Tgt Ion: 180 Resp: 989

Ion Ratio Lower Upper

180 100

182 46.6 49.4 148.2#

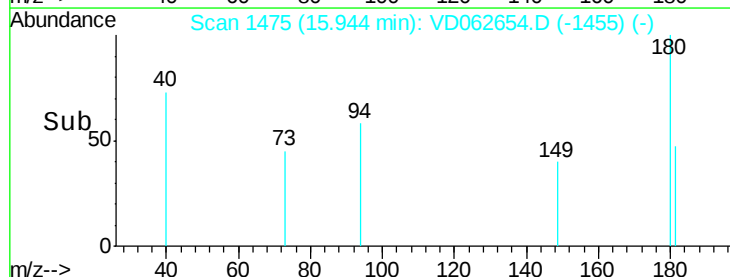
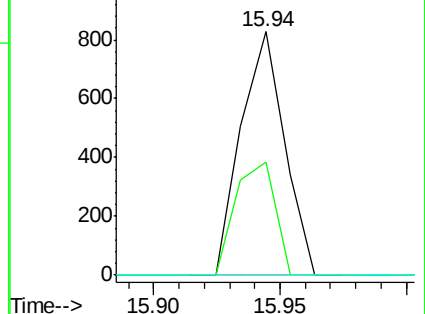
145 0.0 14.5 43.6#

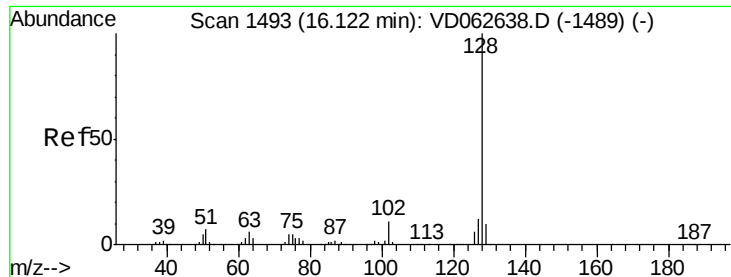


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.627 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062654.D
Acq: 10 Jun 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
SB-7_1.0-1.5_060719

Tgt Ion:128 Resp: 2468
Ion Ratio Lower Upper
128 100
127 0.0 9.7 14.5#
129 0.0 8.1 12.1#

