

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062662.D
 Acq On : 10 Jun 2019 19:10
 Operator : VA/AP
 Sample : K3274-06
 Misc : 4.98g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 2.0-2.5 060719

Quant Time: Jun 11 03:59:05 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	7.05	168	689635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	877654	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	726565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	400836	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	356528	35.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.66%	
35) Dibromofluoromethane	6.92	113	372338	40.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.46%	
50) Toluene-d8	10.41	98	759213	38.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.98%	
62) 4-Bromofluorobenzene	13.55	95	359370	39.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.12%	

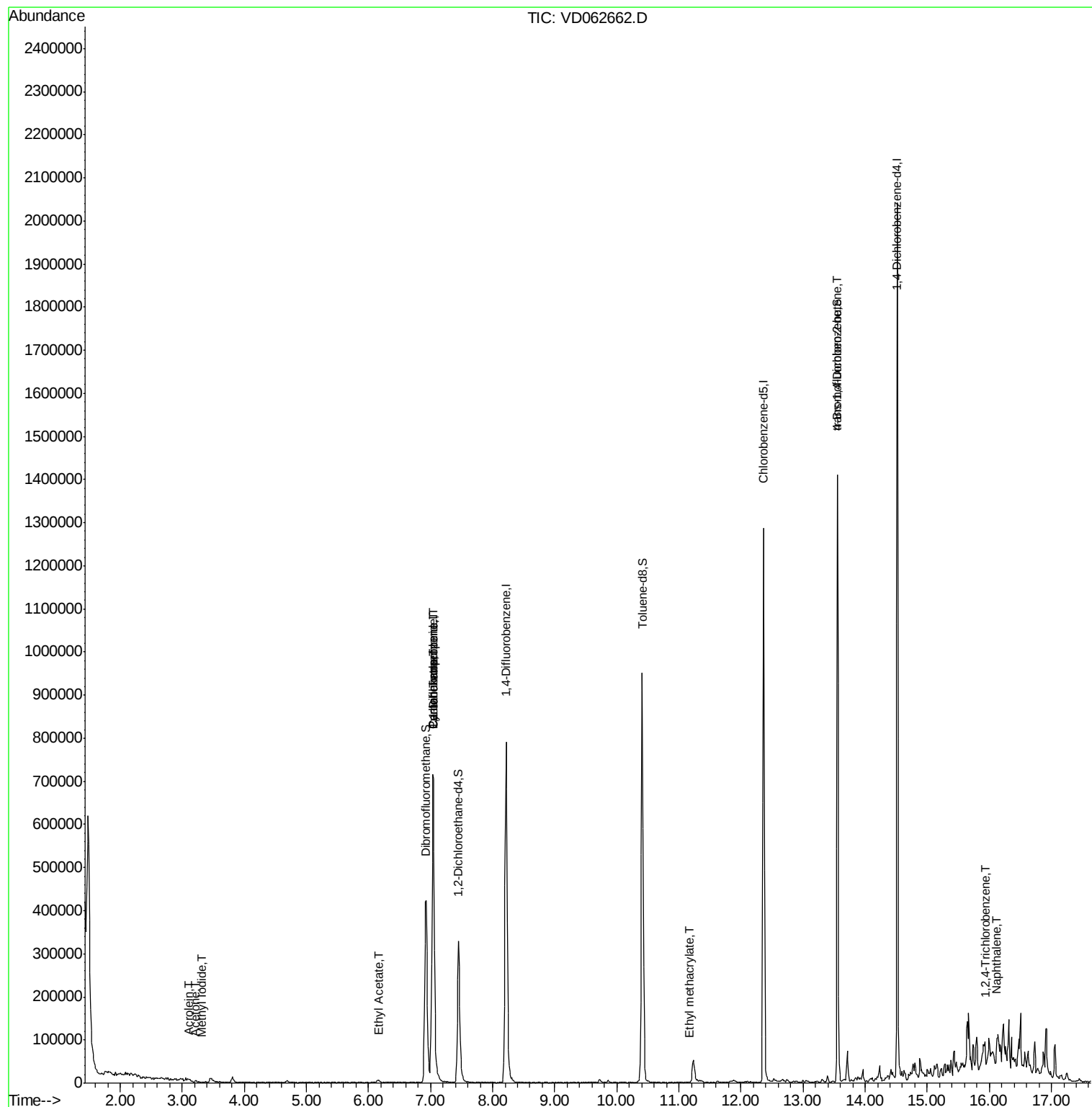
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1389	Below Cal	#	42
10) Methyl Iodide	3.32	142	1168	4.096	ug/l #	24
13) Acrolein	3.11	56	285	2.166	ug/l #	99
16) Acetone	3.22	43	6994	3.838	ug/l #	66
31) Cyclohexane	7.04	56	17333	2.207	ug/l #	3
36) 1,1-Dichloropropene	7.04	75	53572	5.333	ug/l #	51
37) Ethyl Acetate	6.17	43	240	1.256	ug/l #	74
38) Carbon Tetrachloride	7.04	117	72043	4.538	ug/l #	16
56) Ethyl methacrylate	11.17	69	446	4.015	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	177658	105.534	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1113	3.668	ug/l #	34
95) Naphthalene	16.12	128	32942	5.558	ug/l #	83

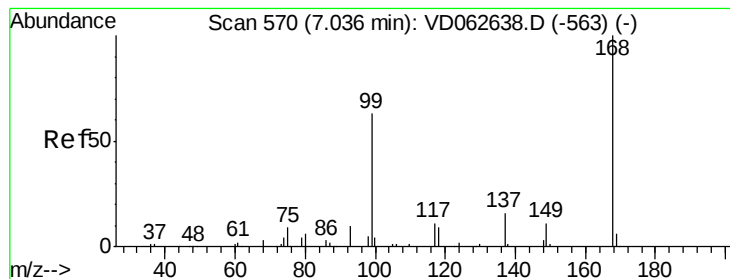
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

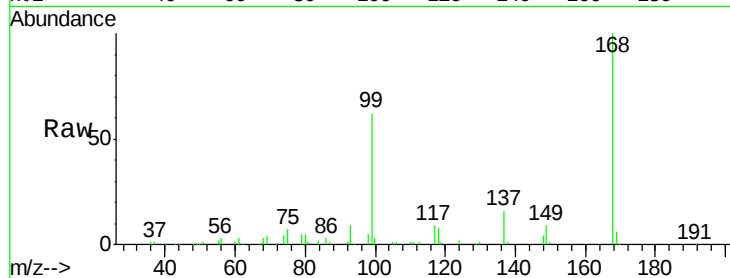
SB-13 2.0-2.5 060719

Tgt Ion:168 Resp: 689635

Ion Ratio Lower Upper

168 100

99 62.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

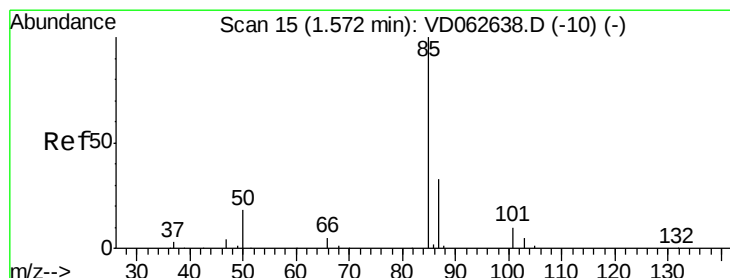
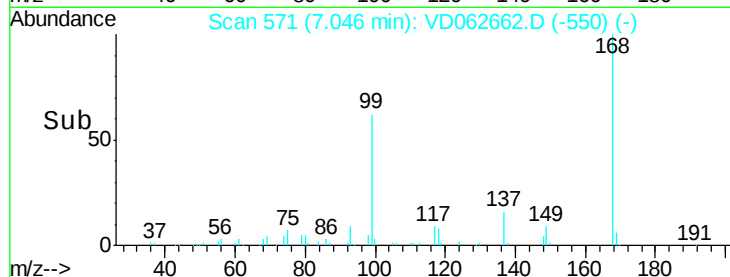
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062662.D

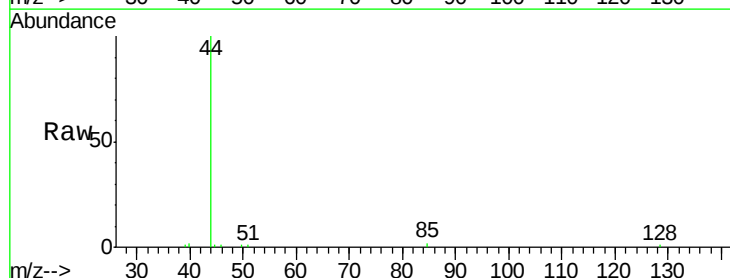
Acq: 10 Jun 2019 19:10

Tgt Ion: 85 Resp: 1389

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

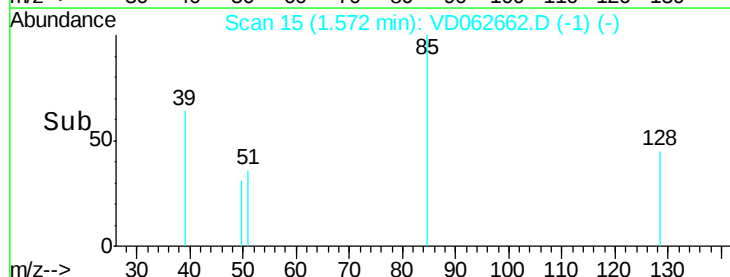
400

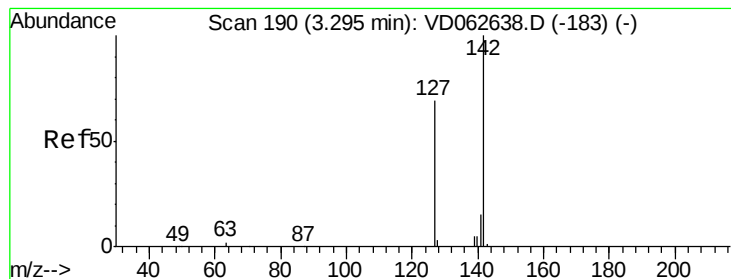
200

0

1.55 1.60

Time-->





#10

Methyl Iodide

Concen: 4.096 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

SB-13 2.0-2.5 060719

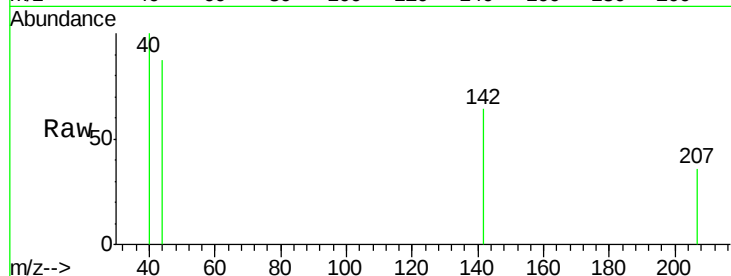
Tgt Ion:142 Resp: 1168

Ion Ratio Lower Upper

142 100

127 0.0 55.2 82.8#

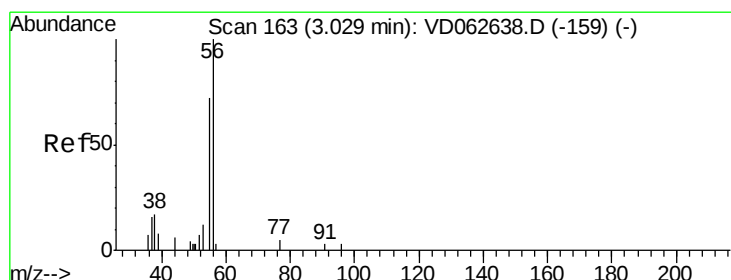
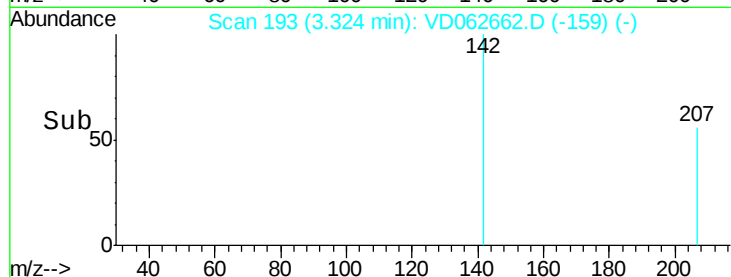
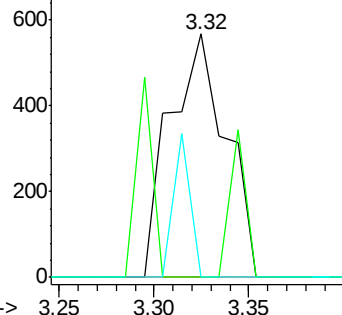
141 0.0 12.1 18.1#



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



#13

Acrolein

Concen: 2.166 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.08 min

Lab File: VD062662.D

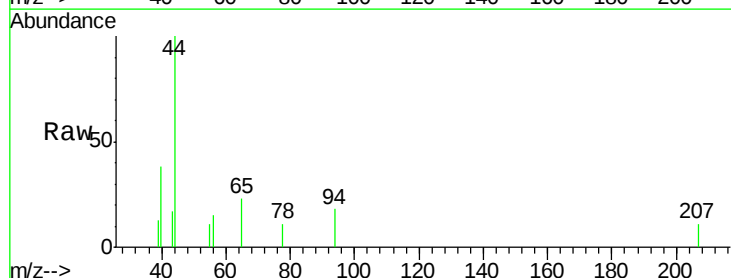
Acq: 10 Jun 2019 19:10

Tgt Ion: 56 Resp: 285

Ion Ratio Lower Upper

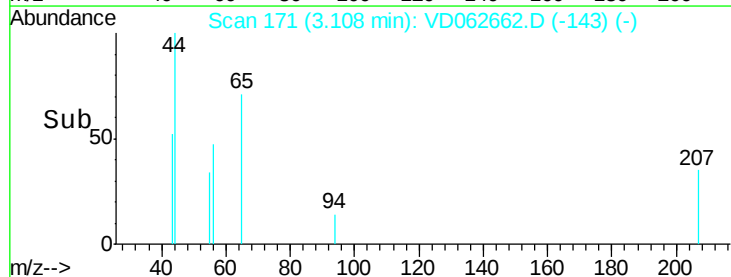
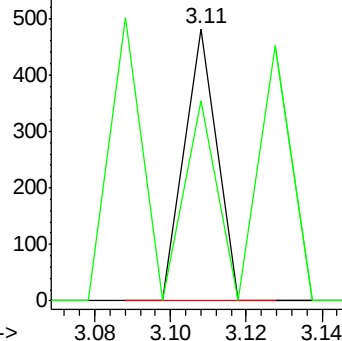
56 100

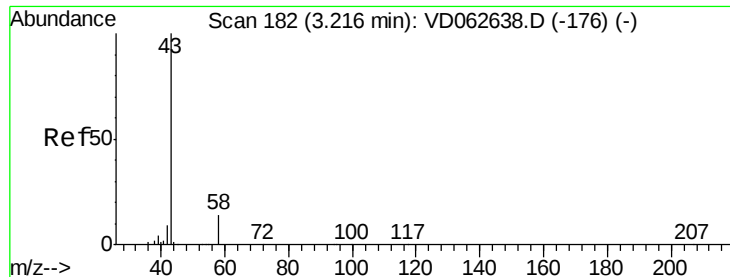
55 73.4 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

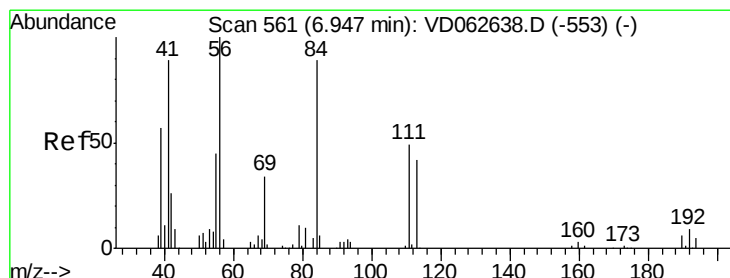
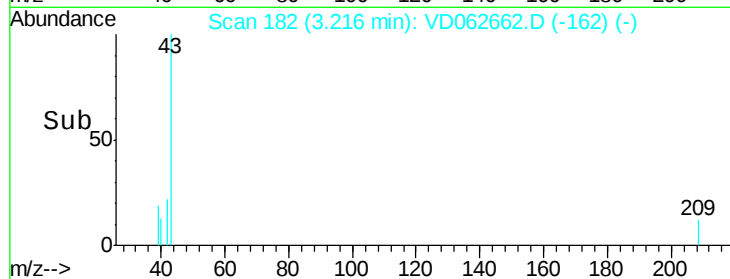
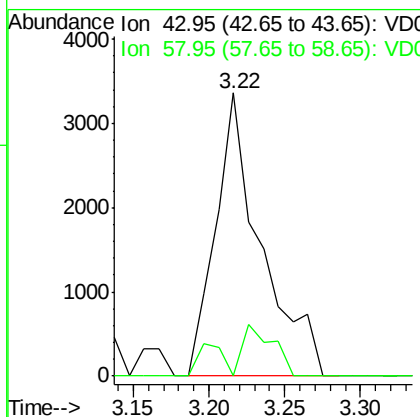
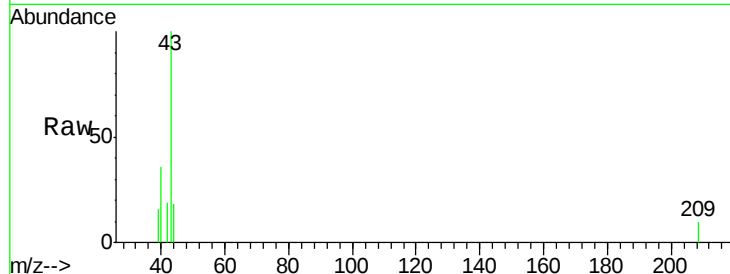




#16
Acetone
Concen: 3.838 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD062662.D
Acq: 10 Jun 2019 19:10

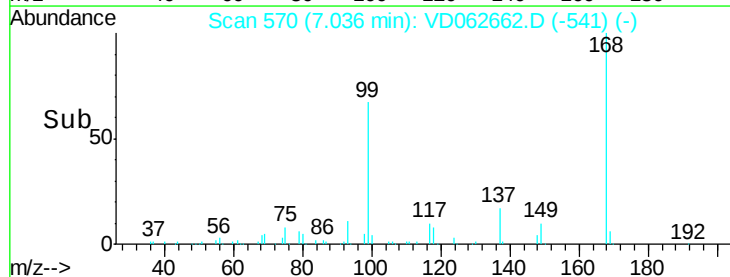
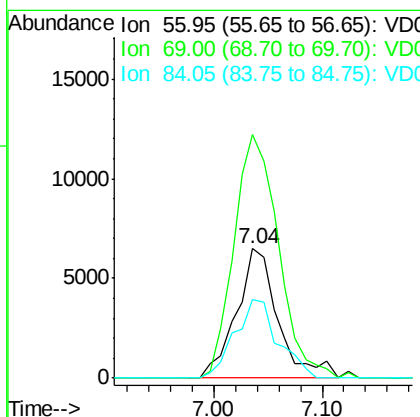
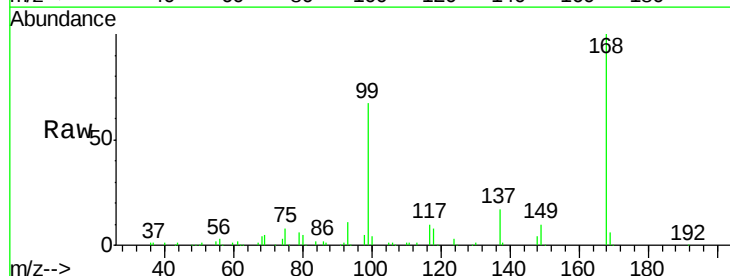
Instrument :
MSVOA_D
ClientSampleId :
SB-13 2.0-2.5 060719

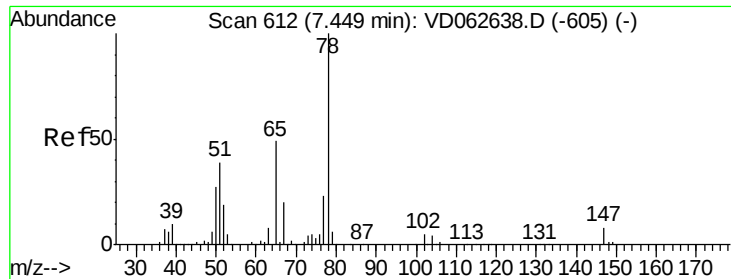
Tgt Ion: 43 Resp: 6994
Ion Ratio Lower Upper
43 100
58 0.0 10.8 16.2#



#31
Cyclohexane
Concen: 2.207 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062662.D
Acq: 10 Jun 2019 19:10

Tgt Ion: 56 Resp: 17333
Ion Ratio Lower Upper
56 100
69 188.2 26.8 40.2#
84 60.7 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 35.827 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

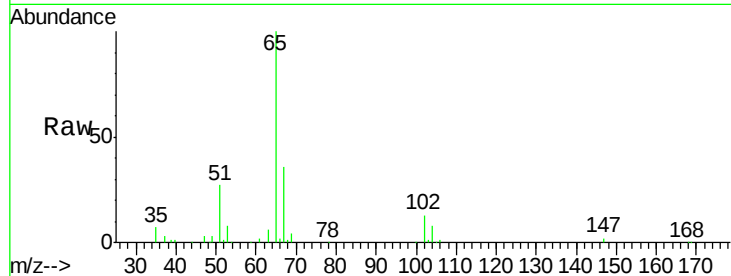
SB-13 2.0-2.5 060719

Tgt Ion: 65 Resp: 356528

Ion Ratio Lower Upper

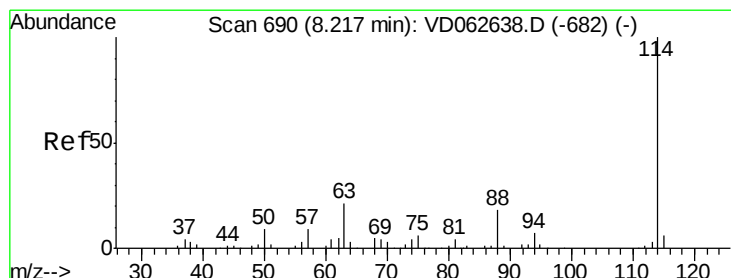
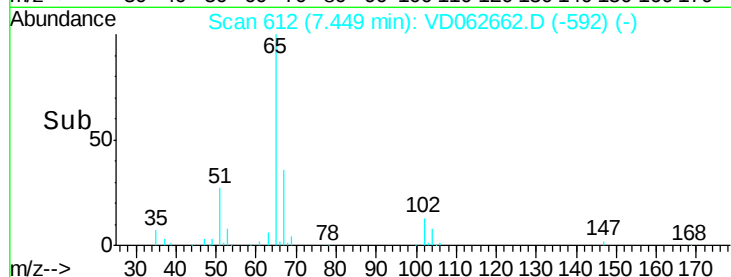
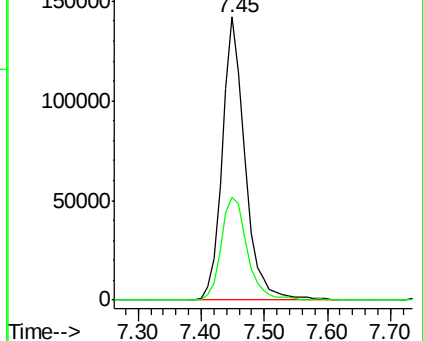
65 100

67 36.4 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: VD062662.D

Acq: 10 Jun 2019 19:10

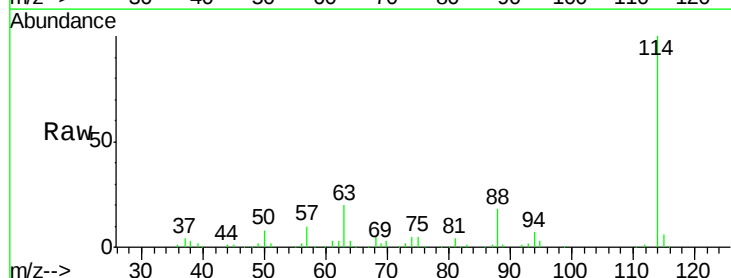
Tgt Ion: 114 Resp: 877654

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

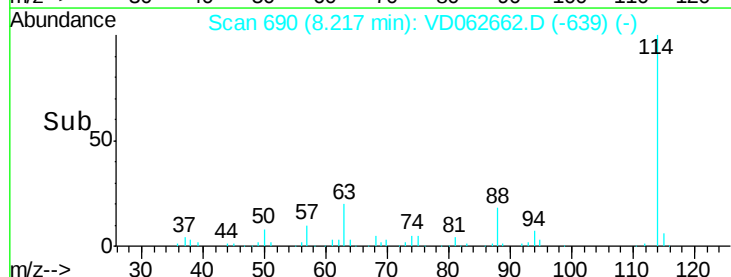
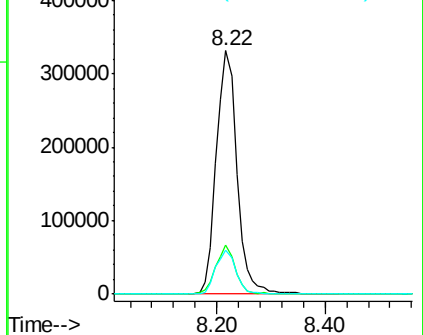
88 18.2 0.0 36.8

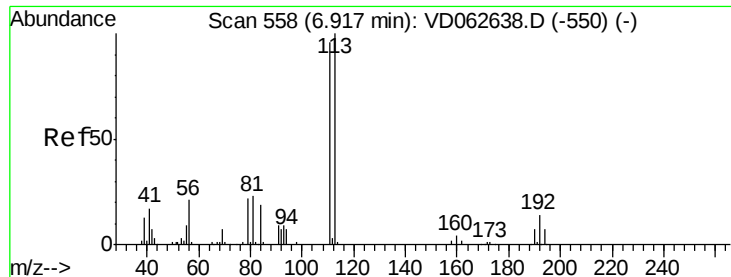


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 40.227 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

SB-13 2.0-2.5 060719

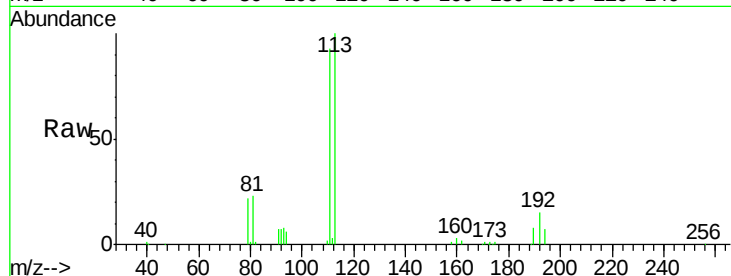
Tgt Ion: 113 Resp: 372338

Ion Ratio Lower Upper

113 100

111 93.1 76.4 114.6

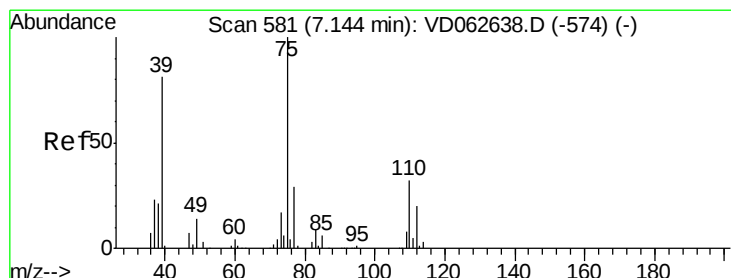
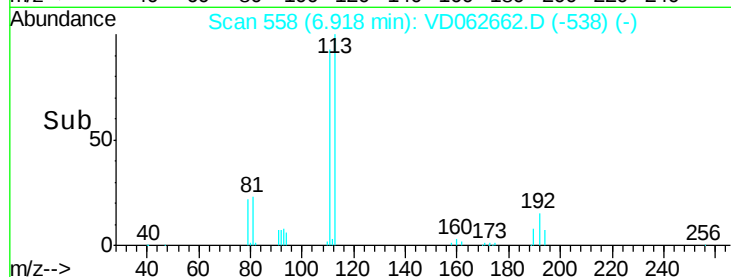
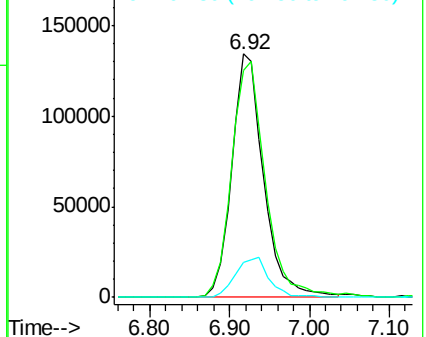
192 14.6 11.4 17.0



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: 5.333 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

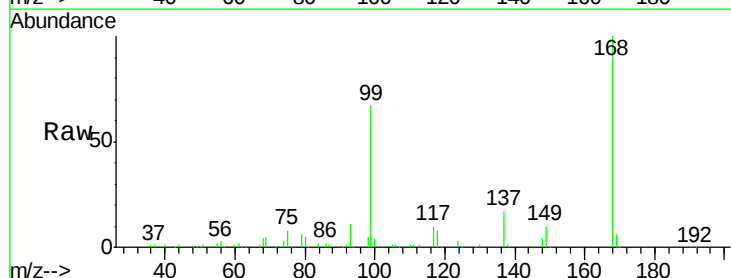
Tgt Ion: 75 Resp: 53572

Ion Ratio Lower Upper

75 100

110 7.1 15.9 47.7#

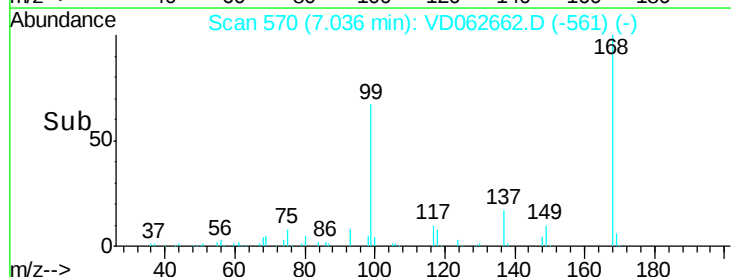
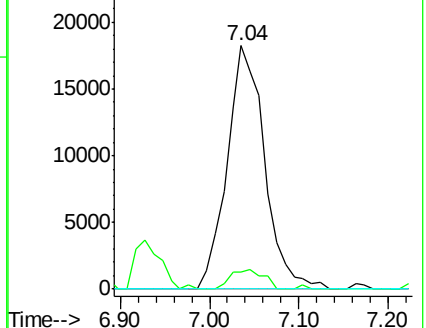
77 0.0 23.3 34.9#

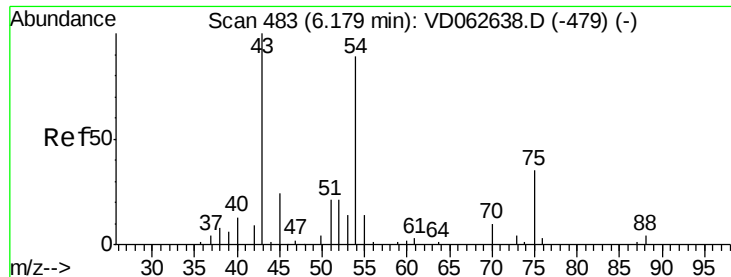


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

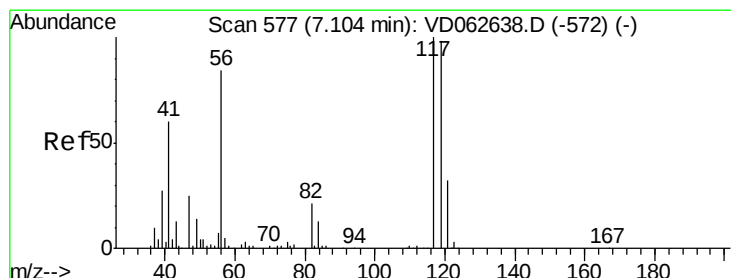
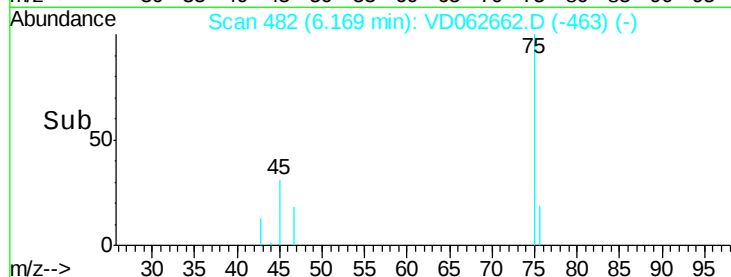
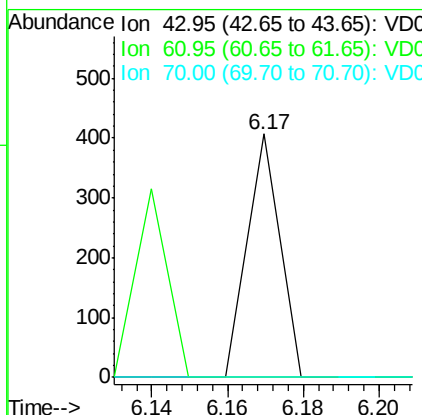
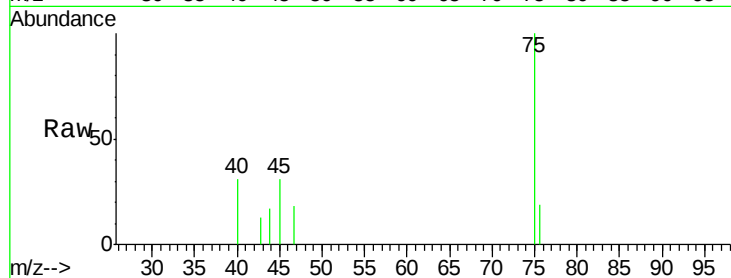




#37
 Ethyl Acetate
 Concen: 1.256 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VD062662.D
 Acq: 10 Jun 2019 19:10

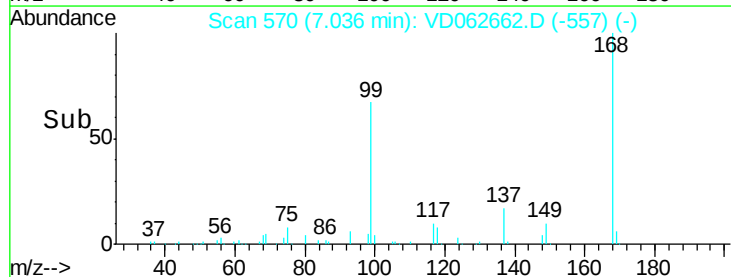
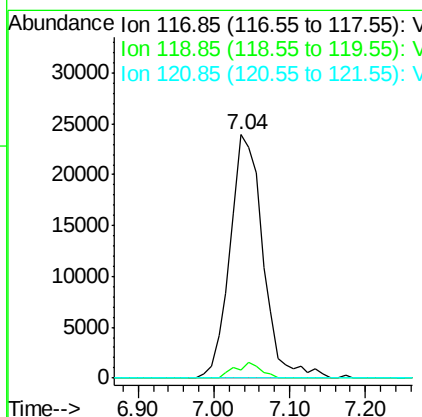
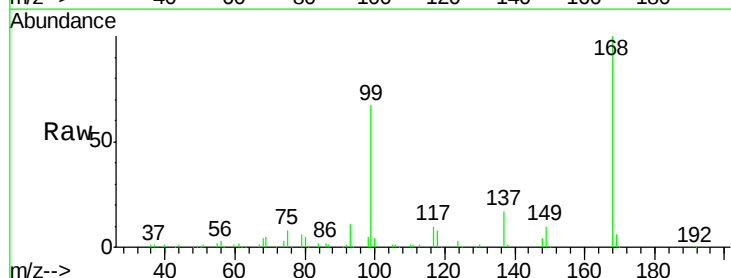
Instrument :
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 SB-13 2.0-2.5 060719

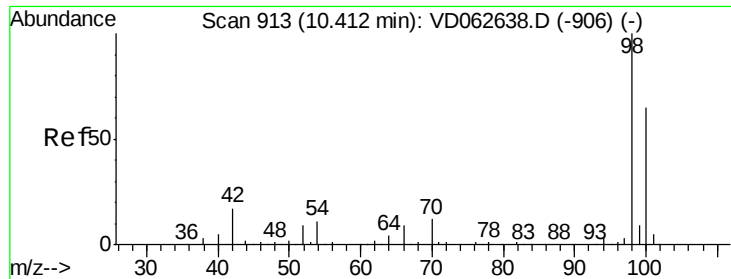
Tgt Ion: 43 Resp: 240
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.7 13.1#
 70 0.0 6.5 9.7#



#38
 Carbon Tetrachloride
 Concen: 4.538 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.07 min
 Lab File: VD062662.D
 Acq: 10 Jun 2019 19:10

Tgt Ion: 117 Resp: 72043
 Ion Ratio Lower Upper
 117 100
 119 3.1 73.5 110.3#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 38.991 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

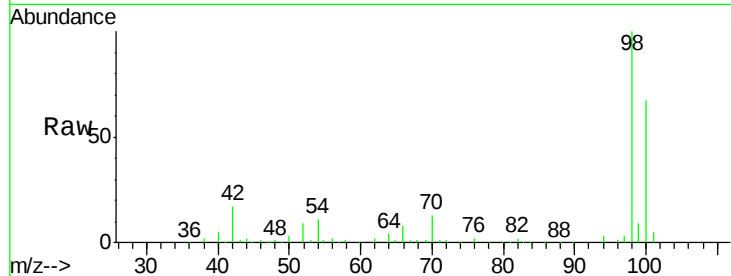
SB-13 2.0-2.5_060719

Tgt Ion: 98 Resp: 759213

Ion Ratio Lower Upper

98 100

100 67.5 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

300000

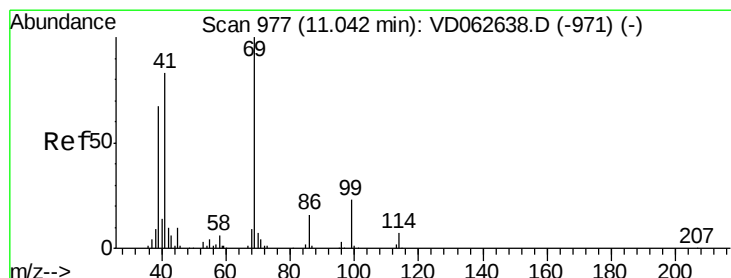
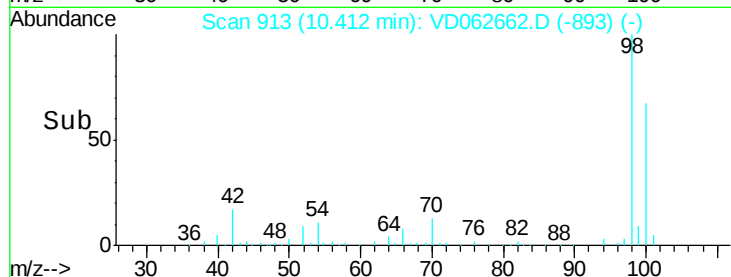
200000

100000

0

Time-->

10.30 10.40 10.50



#56

Ethyl methacrylate

Concen: 4.015 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.13 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

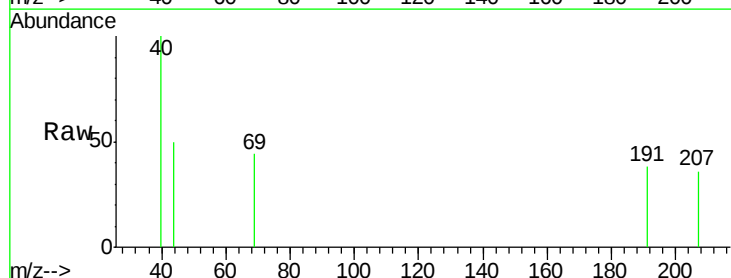
Tgt Ion: 69 Resp: 446

Ion Ratio Lower Upper

69 100

41 0.0 66.2 99.4#

39 0.0 53.8 80.8#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

600

500

400

300

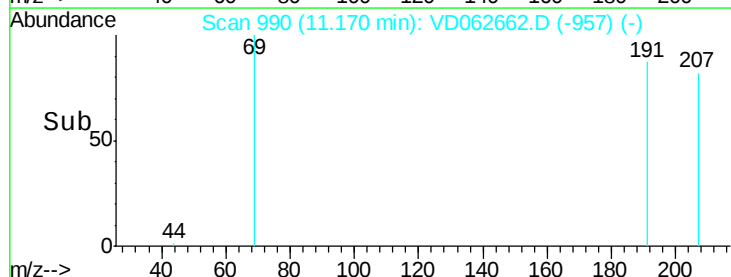
200

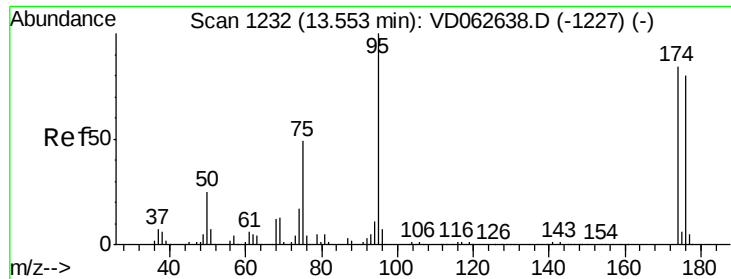
100

0

Time-->

11.15 11.20

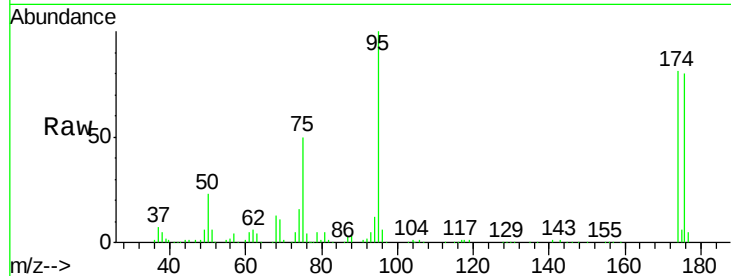




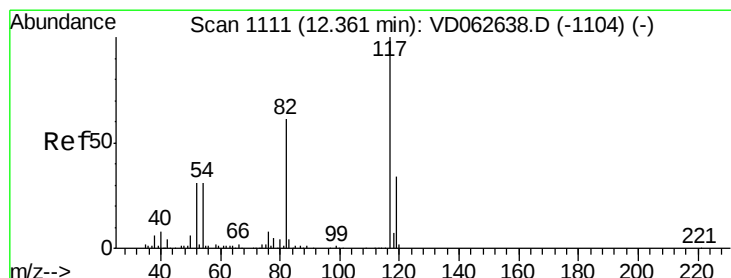
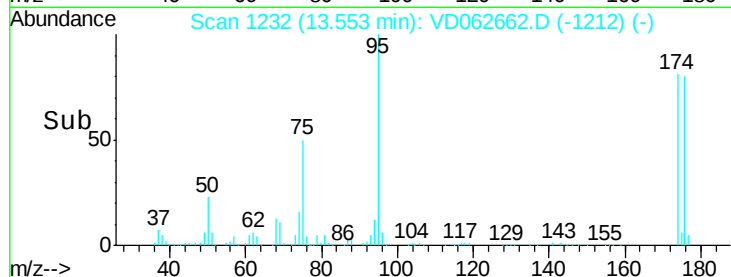
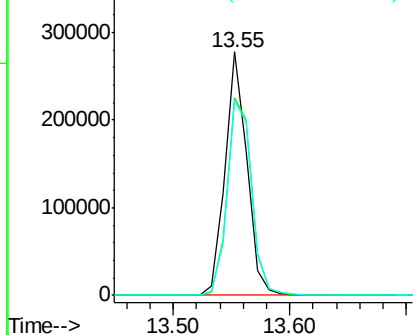
#62
4-Bromofluorobenzene
Concen: 39.560 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062662.D
Acq: 10 Jun 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
SB-13 2.0-2.5 060719

Tgt Ion: 95 Resp: 359370
Ion Ratio Lower Upper
95 100
174 81.0 0.0 167.0
176 80.0 0.0 159.2

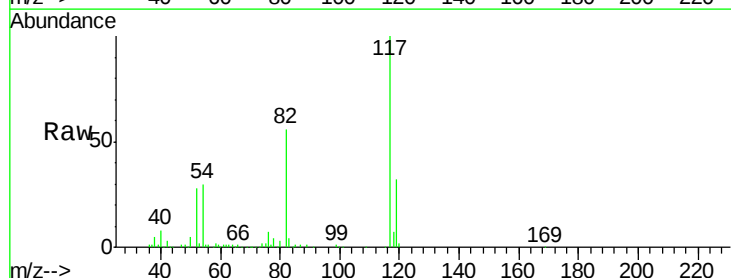


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

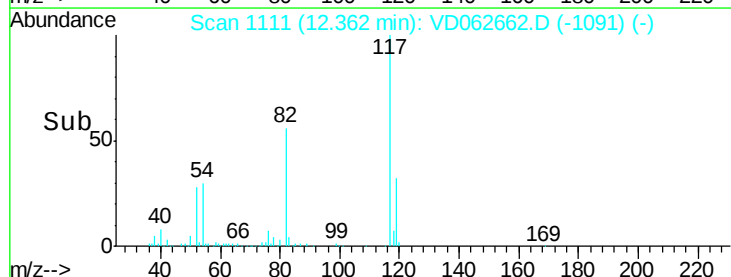
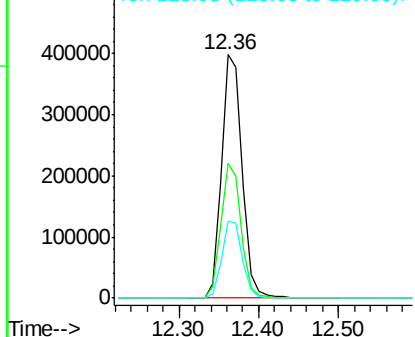


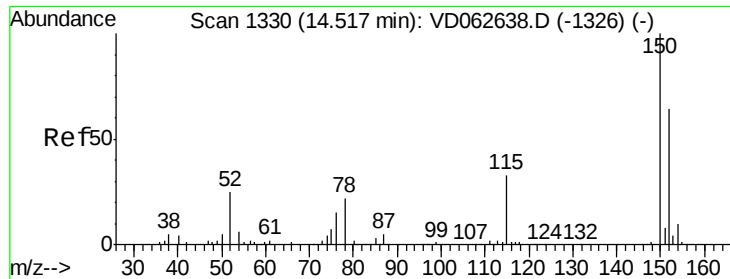
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062662.D
Acq: 10 Jun 2019 19:10

Tgt Ion: 117 Resp: 726565
Ion Ratio Lower Upper
117 100
82 55.6 48.7 73.1
119 31.9 27.0 40.6



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

SB-13 2.0-2.5 060719

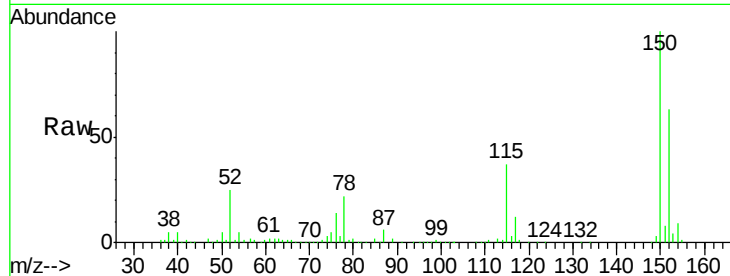
Tgt Ion:152 Resp: 400836

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.5

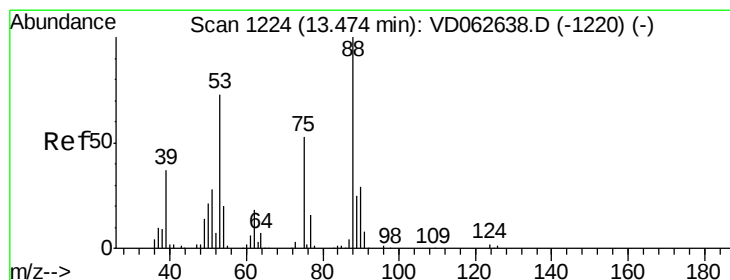
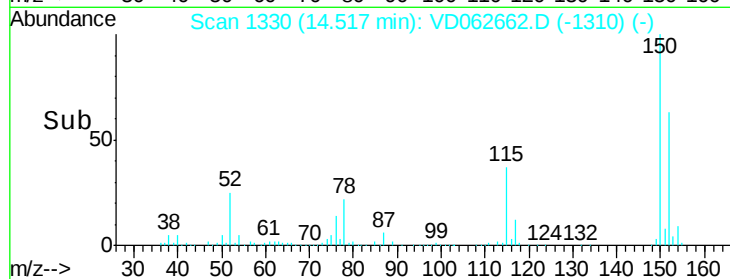
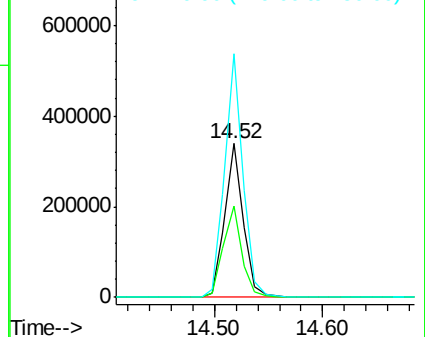
150 158.4 0.0 314.0



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: 105.534 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062662.D

Acq: 10 Jun 2019 19:10

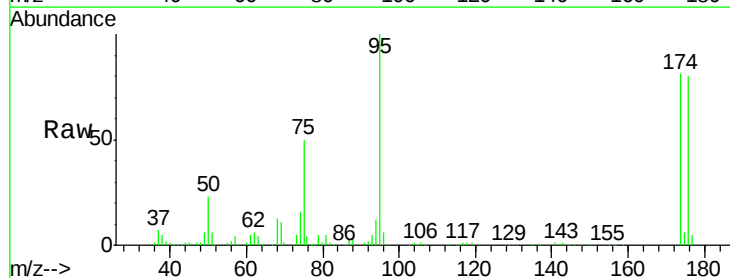
Tgt Ion: 75 Resp: 177658

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

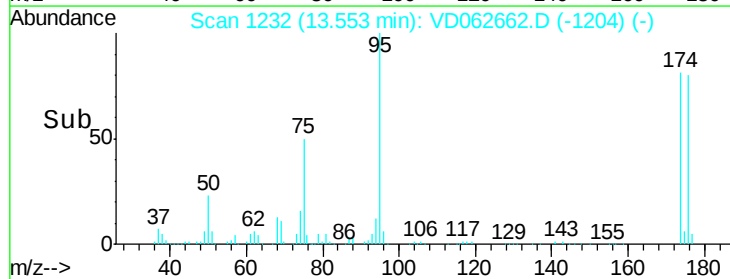
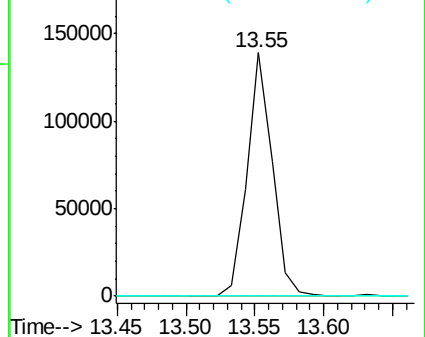
89 0.0 37.0 55.6#

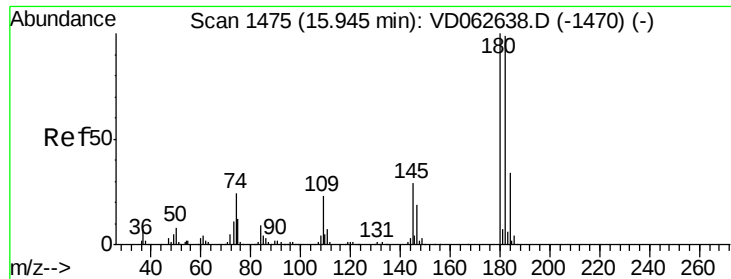


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

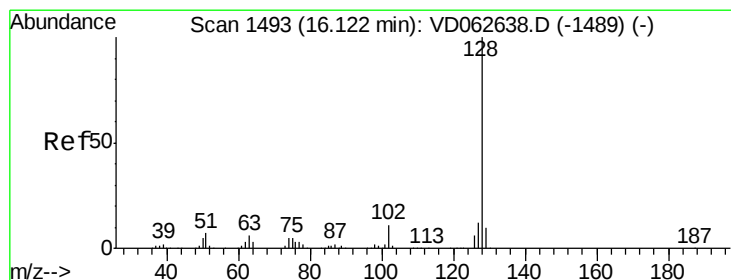
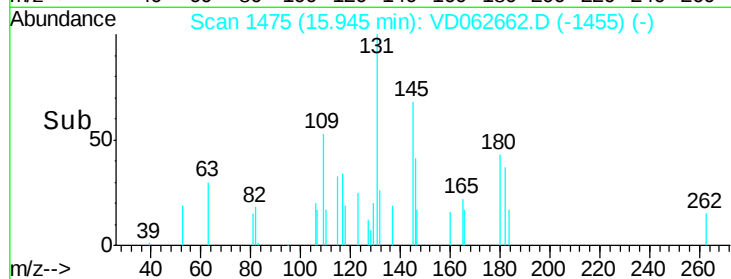
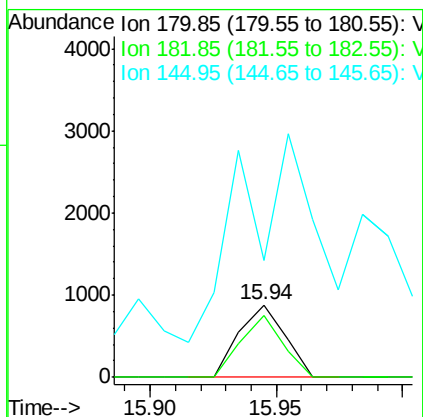
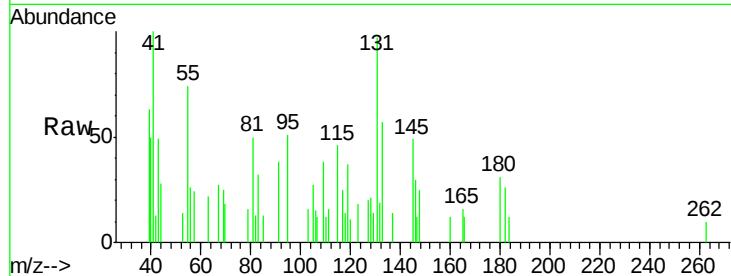




#93
 1,2,4-Trichlorobenzene
 Concen: 3.668 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062662.D
 Acq: 10 Jun 2019 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 2.0-2.5 060719

Tgt Ion:180 Resp: 1113
 Ion Ratio Lower Upper
 180 100
 182 86.2 49.4 148.2
 145 161.0 14.5 43.6#



#95
 Naphthalene
 Concen: 5.558 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062662.D
 Acq: 10 Jun 2019 19:10

Tgt Ion:128 Resp: 32942
 Ion Ratio Lower Upper
 128 100
 127 20.3 9.7 14.5#
 129 14.8 8.1 12.1#

