

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062655.D
 Acq On : 10 Jun 2019 16:00
 Operator : VA/AP
 Sample : K3273-16
 Misc : 5.12g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7 9.5-10.0 060719

Quant Time: Jun 11 03:57:23 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	266186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	380927	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	331703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	206690	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	209491	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	6.91	113	176137	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
50) Toluene-d8	10.40	98	315621	37.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.70%	
62) 4-Bromofluorobenzene	13.55	95	168525	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	

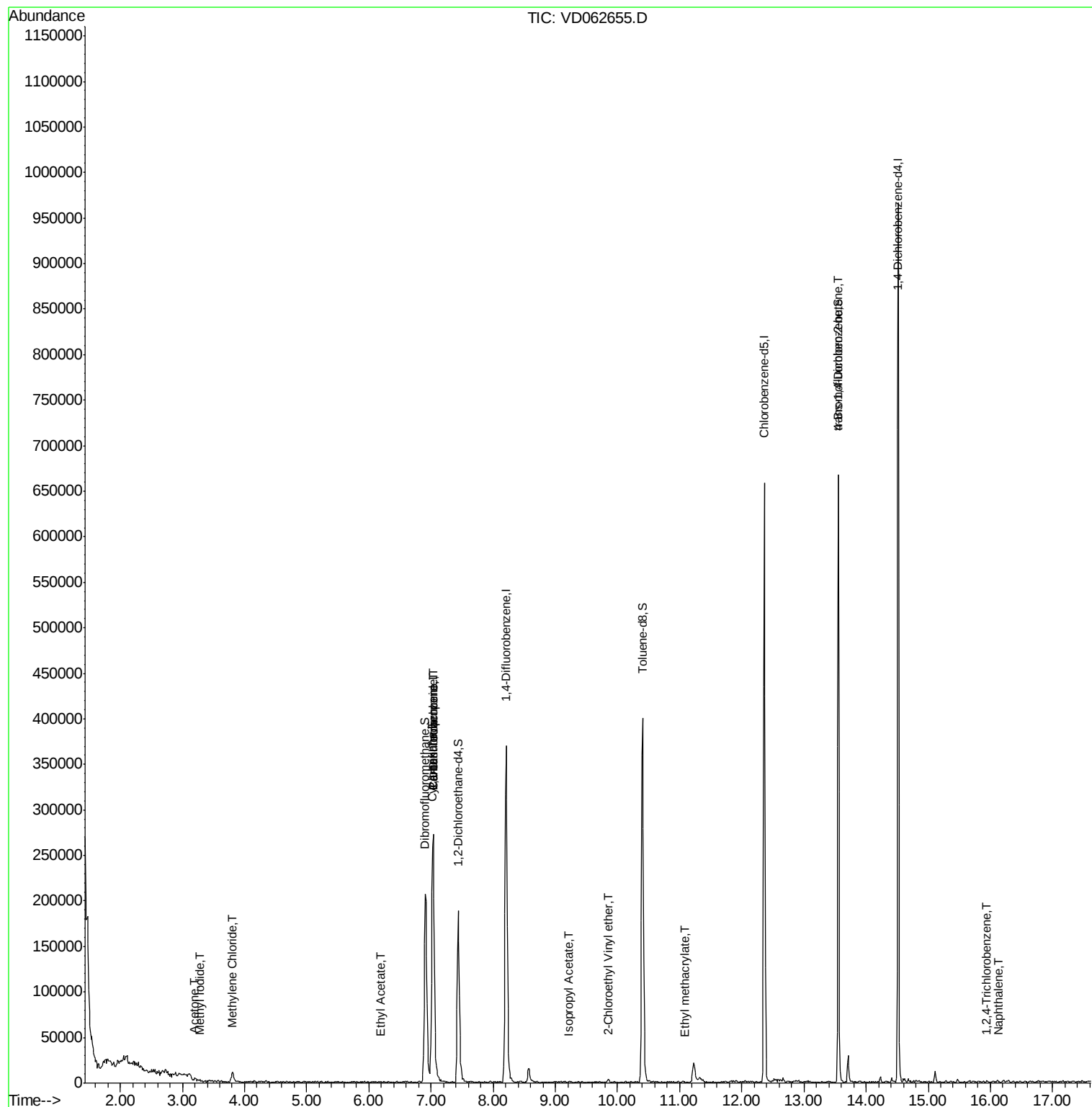
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.29	142	213	4.050	ug/l #	24
16) Acetone	3.21	43	6339	9.013	ug/l #	66
20) Methylene Chloride	3.81	84	6739	2.113	ug/l #	88
31) Cyclohexane	7.02	56	6215	2.050	ug/l #	4
36) 1,1-Dichloropropene	7.04	75	22769	5.223	ug/l #	55
37) Ethyl Acetate	6.18	43	210	1.311	ug/l #	74
38) Carbon Tetrachloride	7.03	117	26916	3.906	ug/l #	18
43) Isopropyl Acetate	9.23	43	2648	1.151	ug/l #	52
56) Ethyl methacrylate	11.08	69	211	4.022	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.86	63	1934	1.844	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.55	75	84577	97.732	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	507	3.657	ug/l #	59
95) Naphthalene	16.12	128	2283	3.733	ug/l #	71

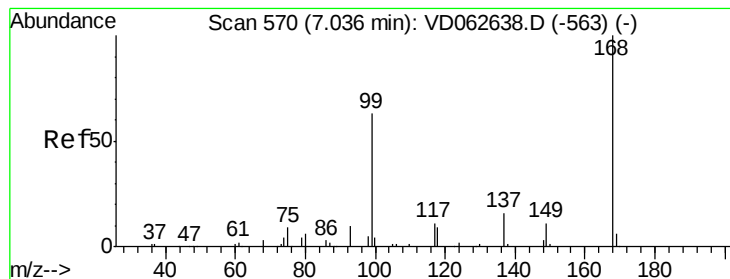
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

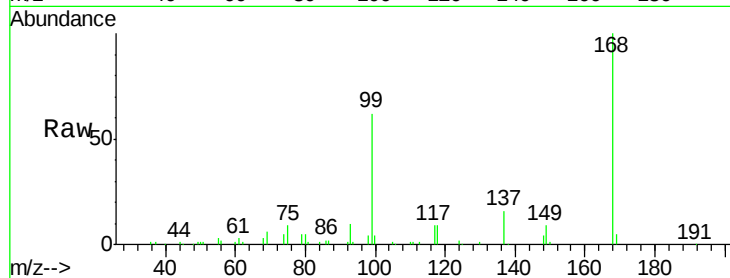
SB-7_9.5-10.0_060719

Tgt Ion:168 Resp: 266186

Ion Ratio Lower Upper

168 100

99 62.0 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

100000

80000

60000

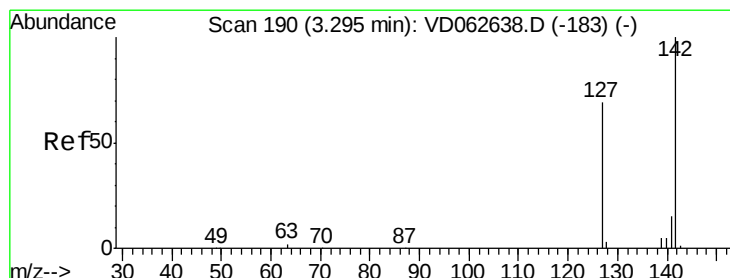
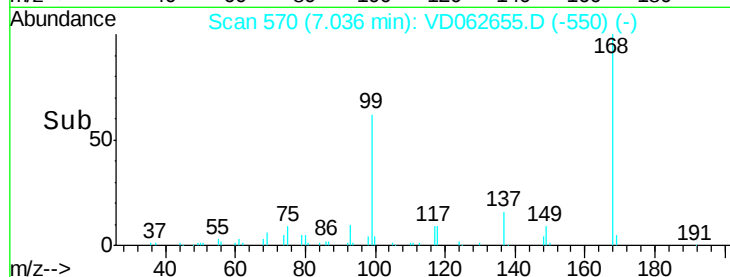
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.050 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

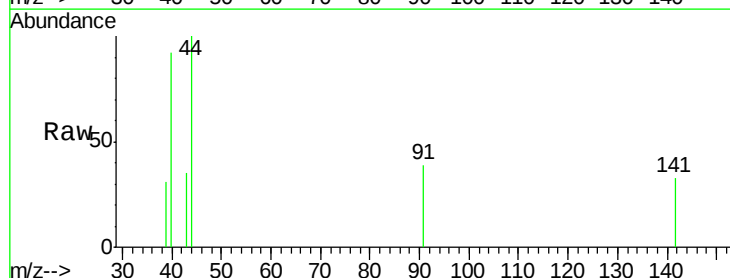
Tgt Ion:142 Resp: 213

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

800

600

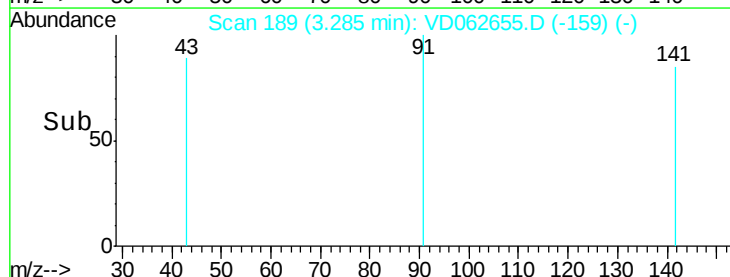
400

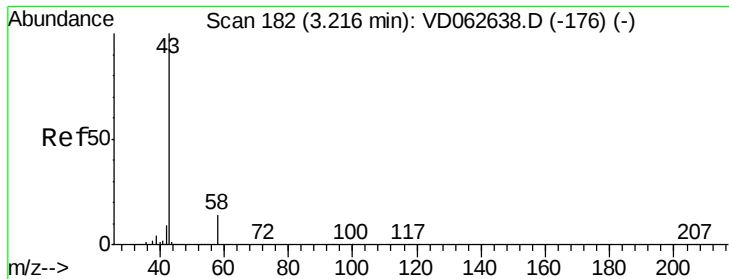
200

0

Time-->

3.26 3.28 3.30





#16

Acetone

Concen: 9.013 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

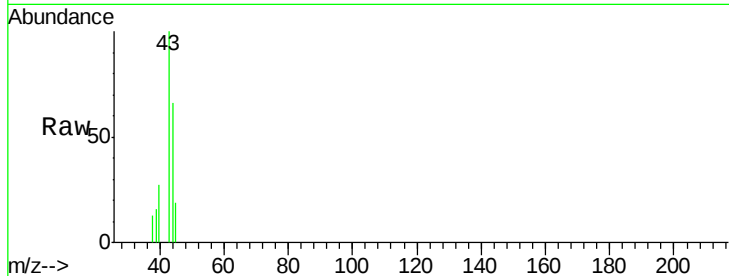
SB-7_9.5-10.0_060719

Tgt Ion: 43 Resp: 6339

Ion Ratio Lower Upper

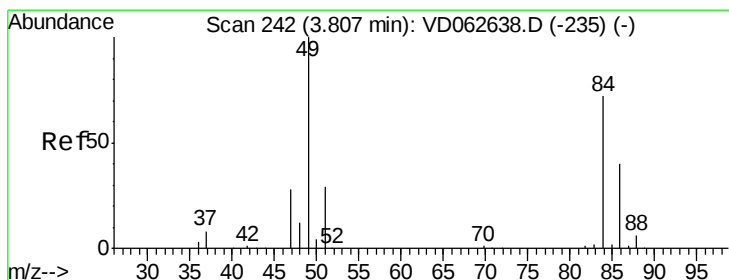
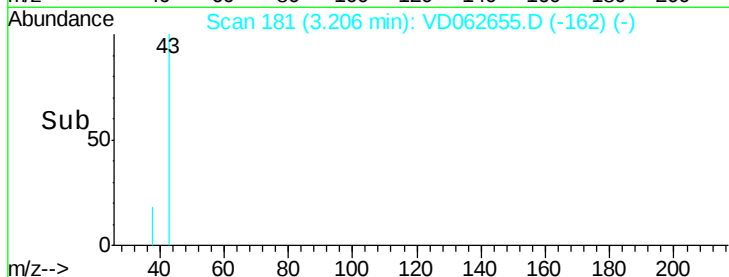
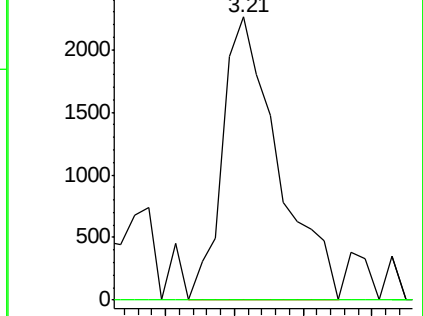
43 100

58 0.0 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: 2.113 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Tgt Ion: 84 Resp: 6739

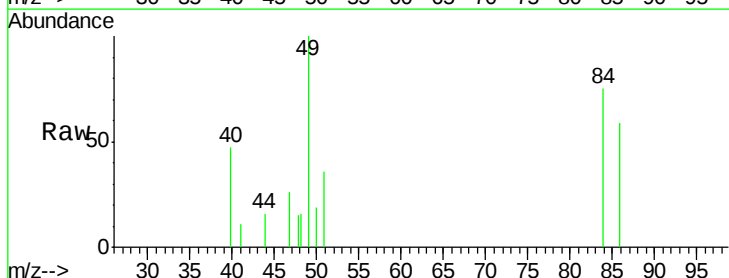
Ion Ratio Lower Upper

84 100

49 134.1 111.2 166.8

51 47.6 31.9 47.9

86 79.2 44.7 67.1#

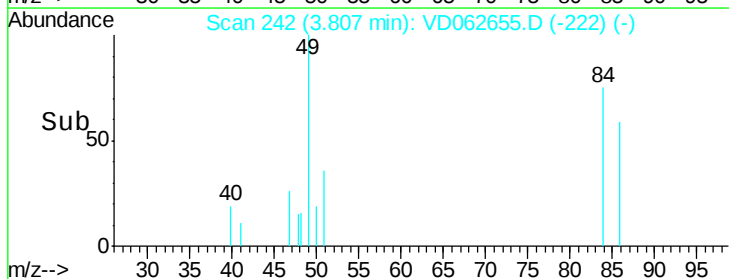
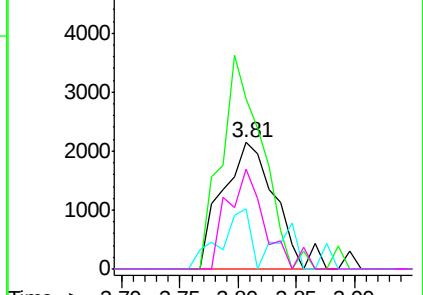


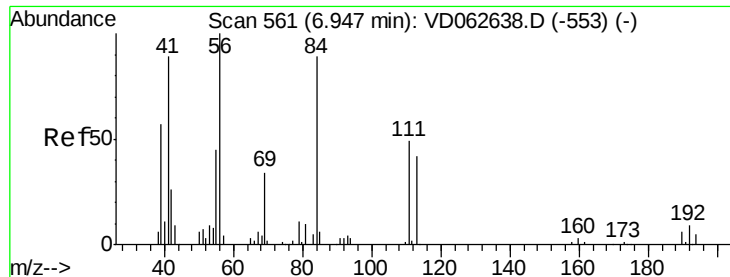
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

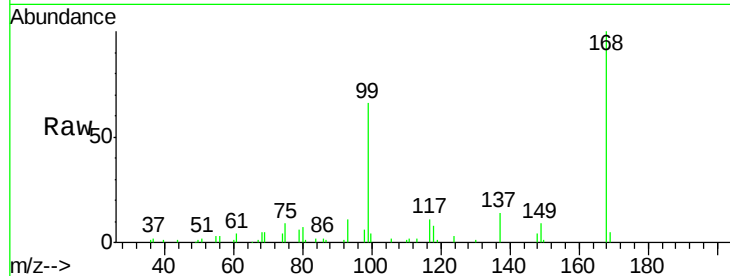




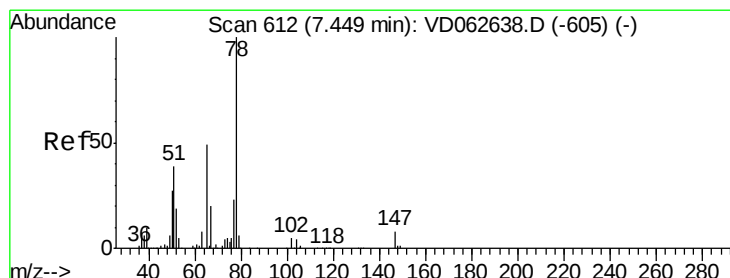
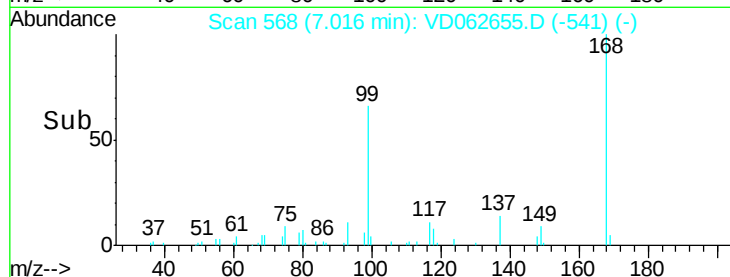
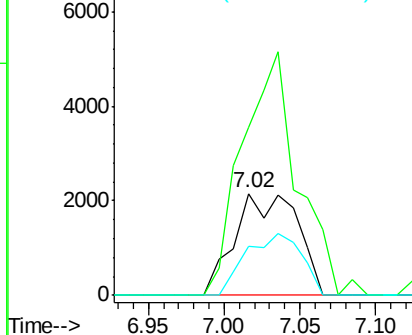
#31
Cyclohexane
Concen: 2.050 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.07 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

Instrument :
MSVOA_D
ClientSampleId :
SB-7_9.5-10.0_060719

Tgt Ion: 56 Resp: 6215
Ion Ratio Lower Upper
56 100
69 164.7 26.8 40.2#
84 47.8 73.9 110.9#

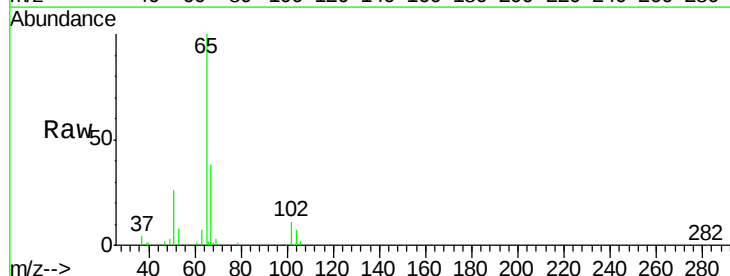


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

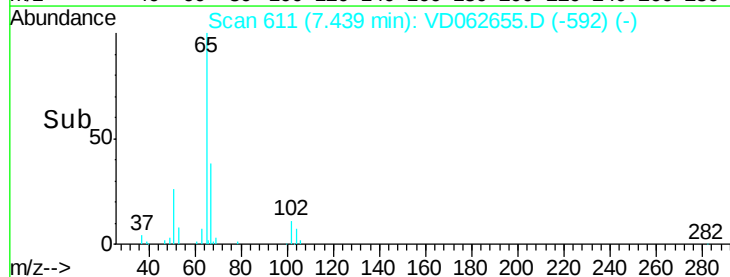
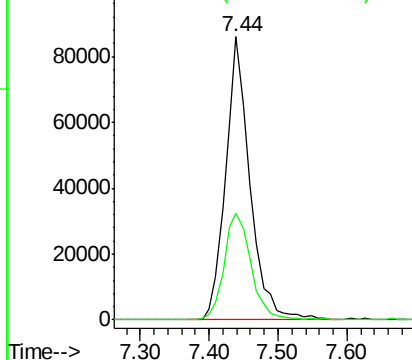


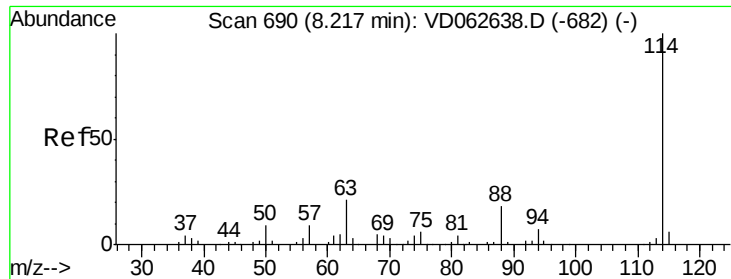
#33
1,2-Dichloroethane-d4
Concen: 54.540 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 65 Resp: 209491
Ion Ratio Lower Upper
65 100
67 37.6 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

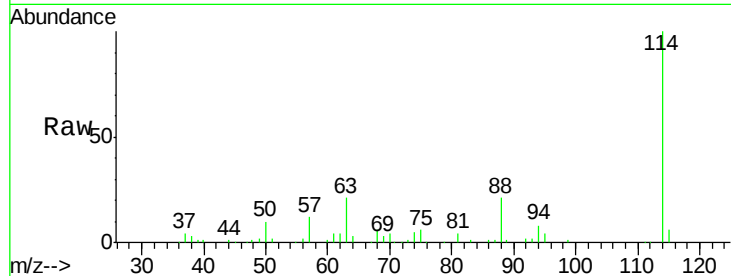




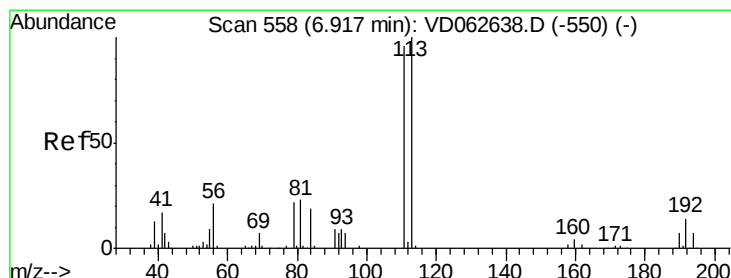
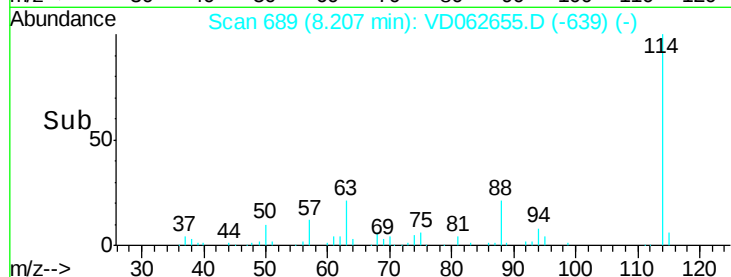
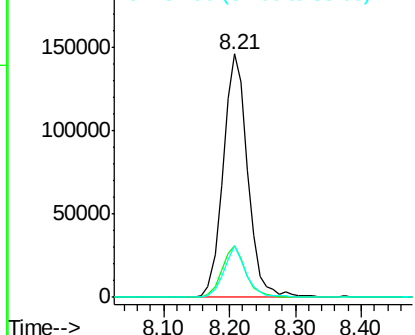
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062655.D
 Acq: 10 Jun 2019 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7_9.5-10.0_060719

Tgt Ion:114 Resp: 380927
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 21.0 0.0 36.8

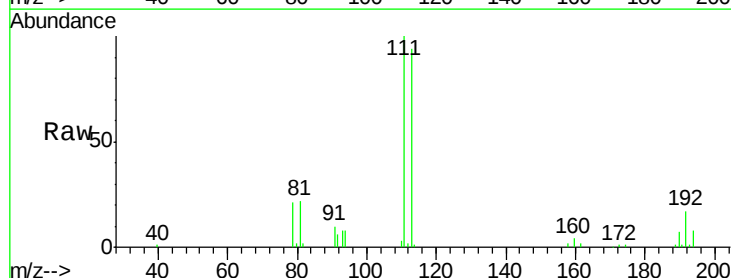


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

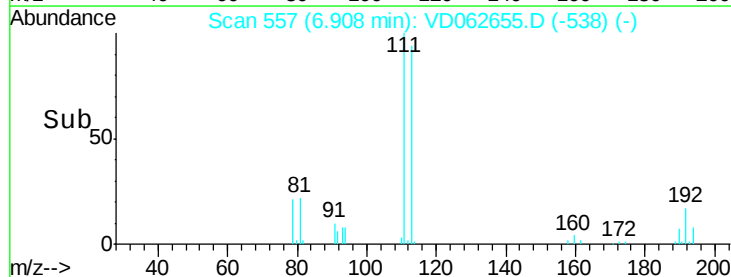
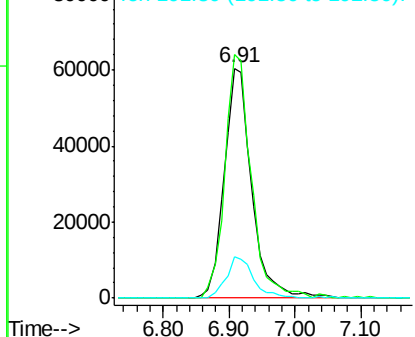


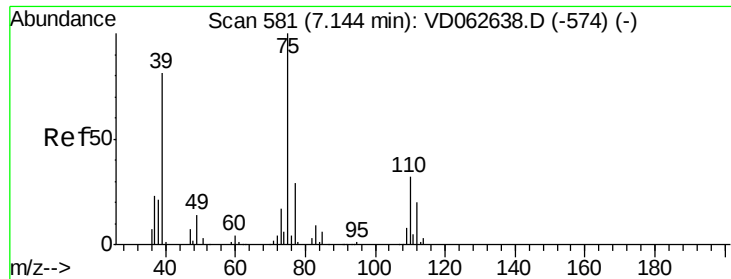
#35
 Dibromofluoromethane
 Concen: 43.844 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062655.D
 Acq: 10 Jun 2019 16:00

Tgt Ion:113 Resp: 176137
 Ion Ratio Lower Upper
 113 100
 111 106.0 76.4 114.6
 192 17.7 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: 5.223 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

SB-7_9.5-10.0_060719

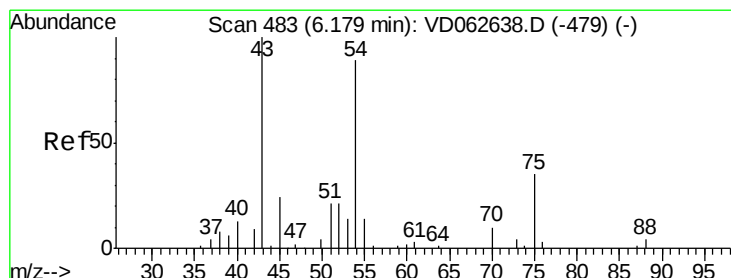
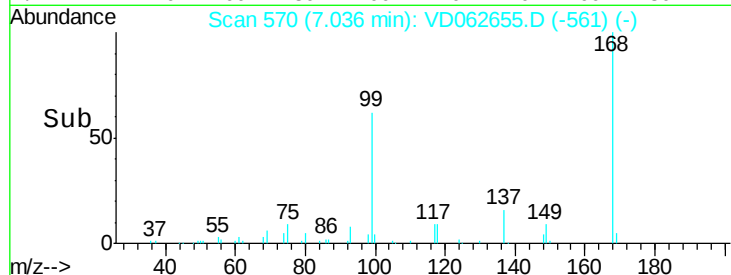
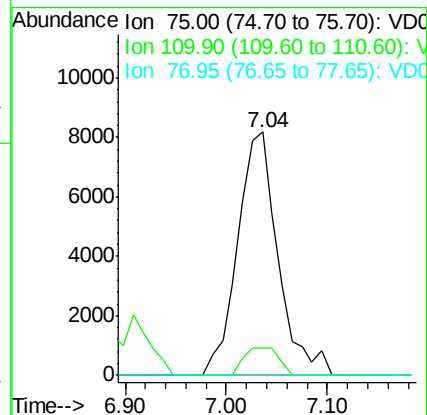
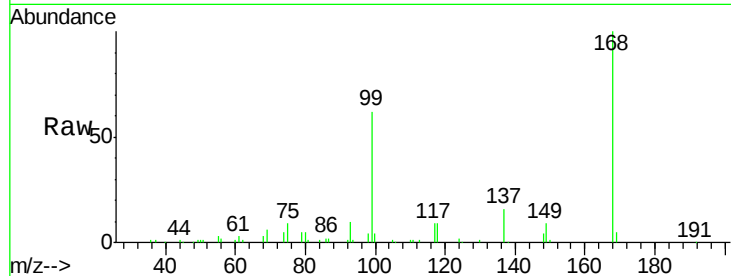
Tgt Ion: 75 Resp: 22769

Ion Ratio Lower Upper

75 100

110 11.4 15.9 47.7#

77 0.0 23.3 34.9#



#37

Ethyl Acetate

Concen: 1.311 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.00 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

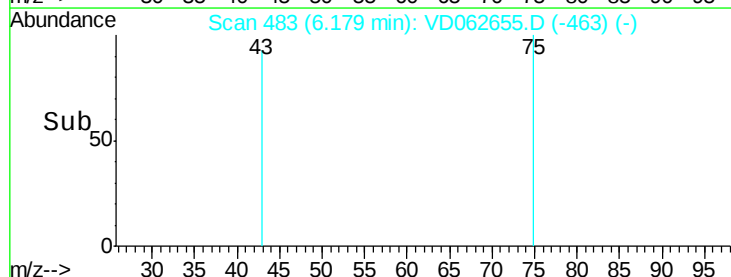
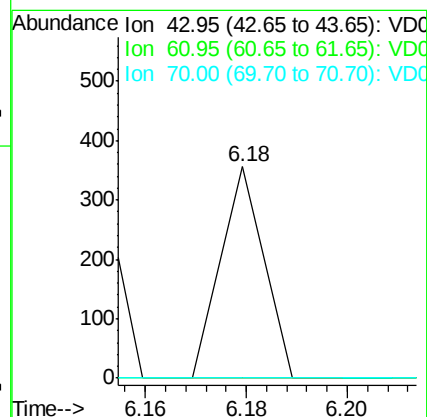
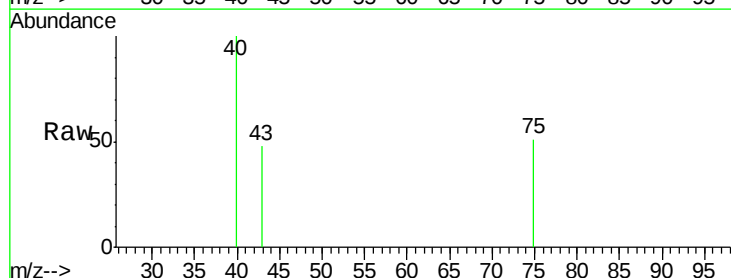
Tgt Ion: 43 Resp: 210

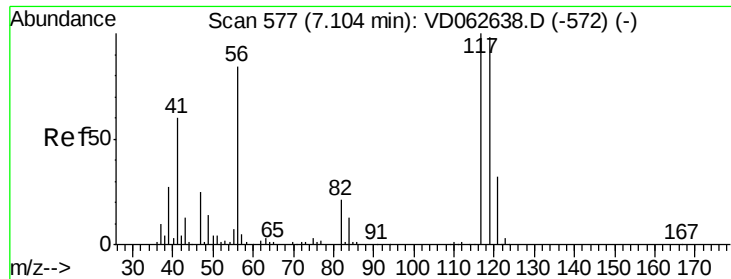
Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

70 0.0 6.5 9.7#





#38

Carbon Tetrachloride

Concen: 3.906 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.08 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

SB-7_9.5-10.0_060719

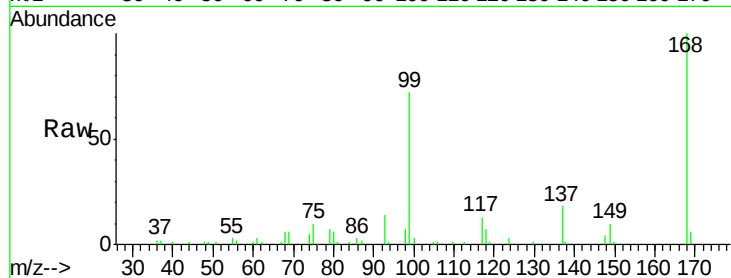
Tgt Ion:117 Resp: 26916

Ion Ratio Lower Upper

117 100

119 6.0 73.5 110.3#

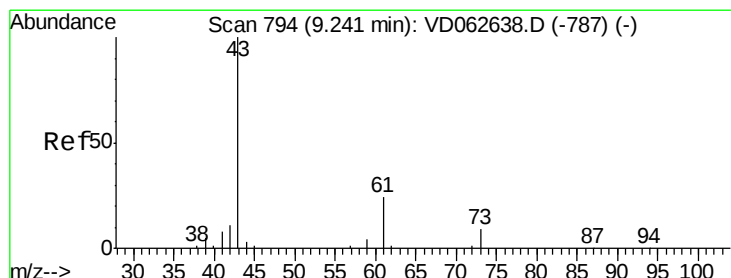
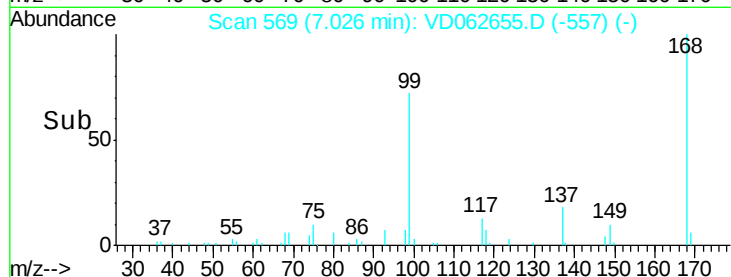
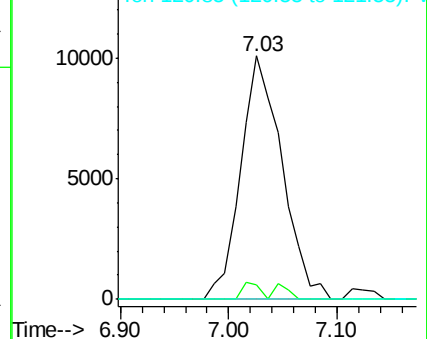
121 0.0 24.2 36.4#



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



#43

Isopropyl Acetate

Concen: 1.151 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

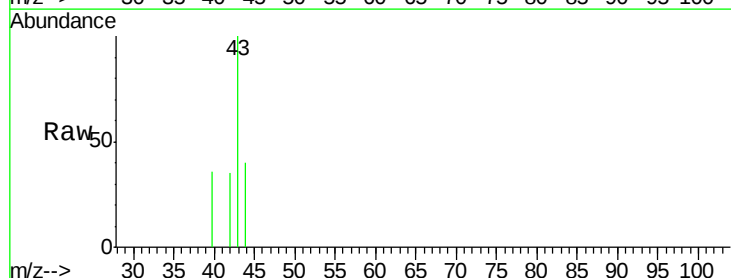
Tgt Ion: 43 Resp: 2648

Ion Ratio Lower Upper

43 100

61 0.0 19.0 28.6#

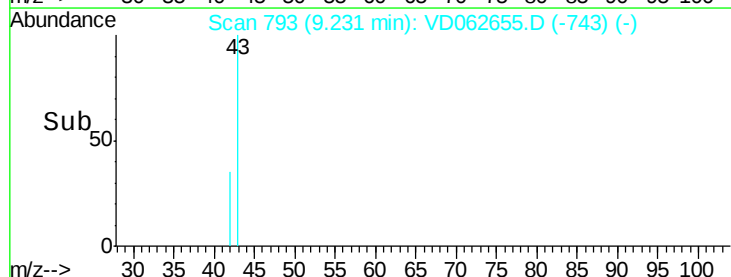
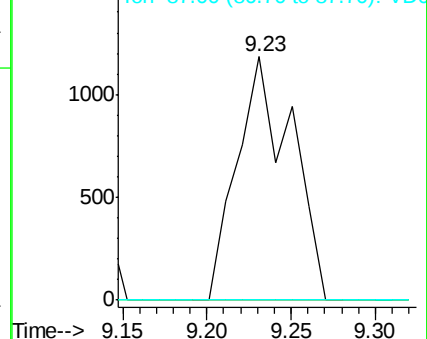
87 0.0 0.3 0.5#

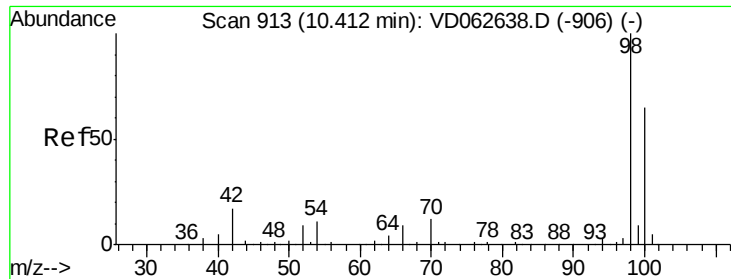


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V

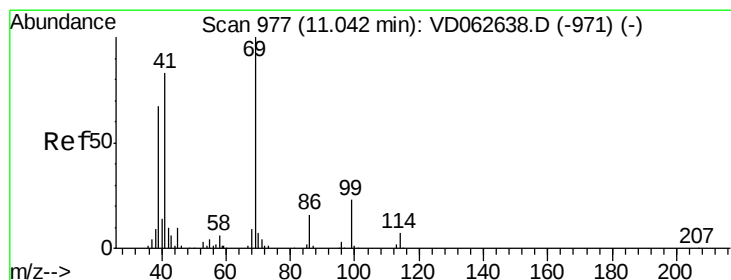
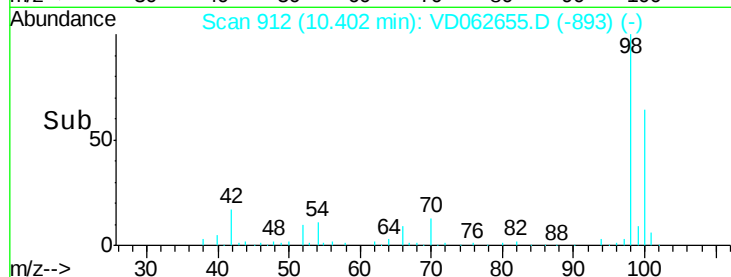
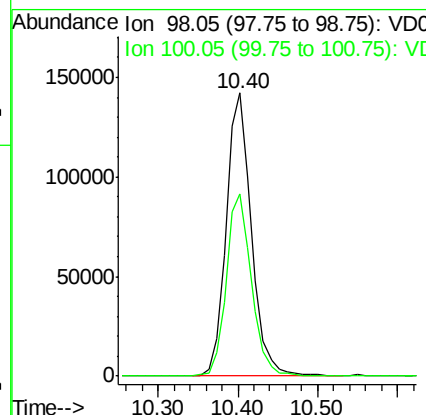
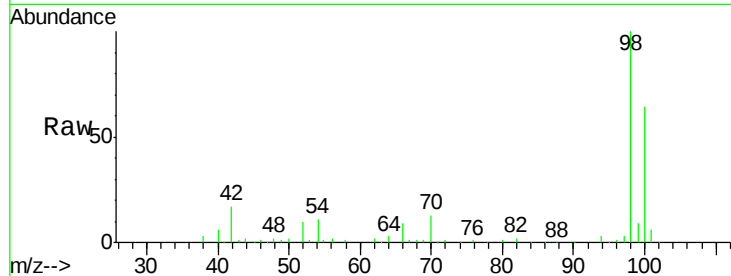




#50
Toluene-d8
Concen: 37.346 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

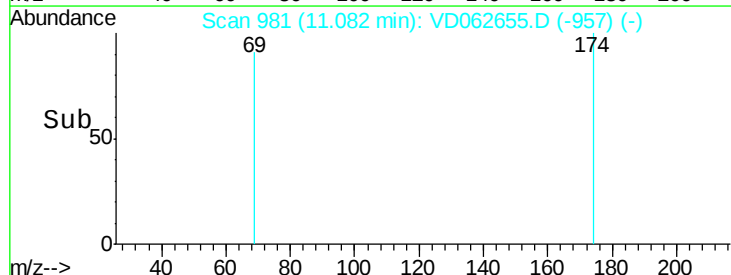
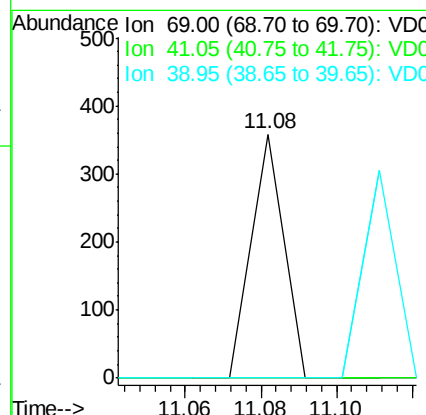
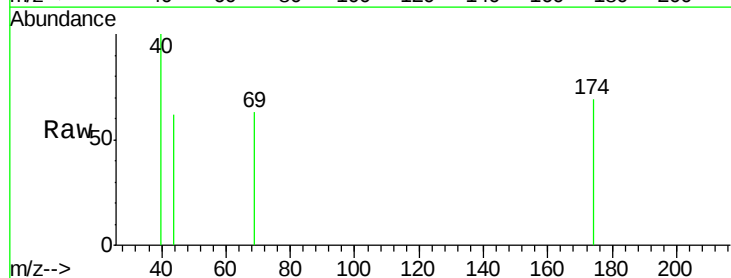
Instrument :
MSVOA_D
ClientSampleId :
SB-7_9.5-10.0_060719

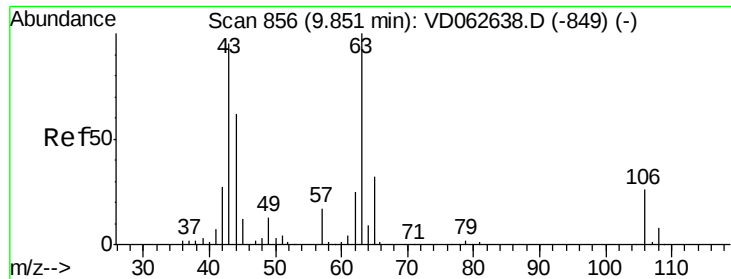
Tgt Ion: 98 Resp: 315621
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#56
Ethyl methacrylate
Concen: 4.022 ug/l
RT: 11.08 min Scan# 981
Delta R.T. 0.04 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 69 Resp: 211
Ion Ratio Lower Upper
69 100
41 0.0 66.2 99.4#
39 0.0 53.8 80.8#

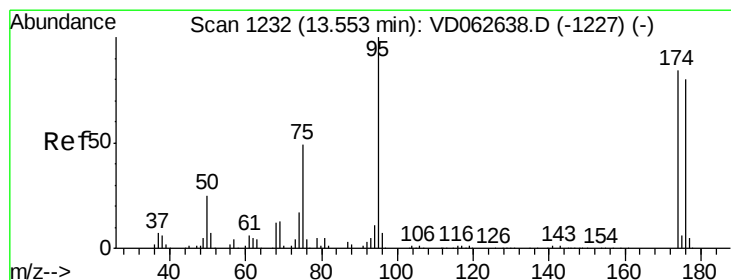
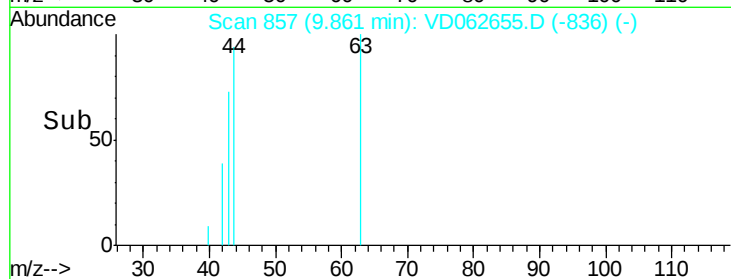
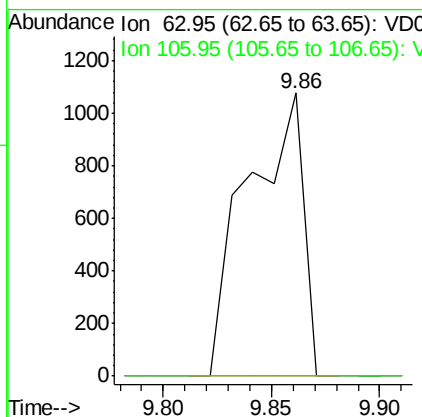
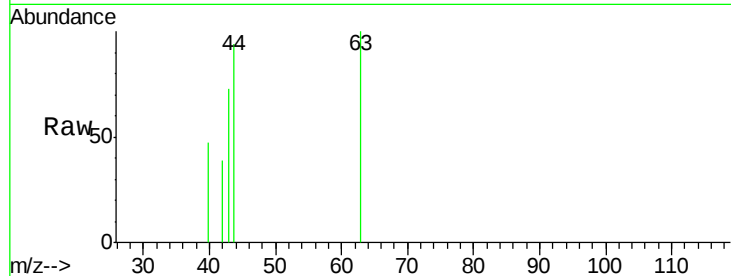




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.844 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062655.D
 Acq: 10 Jun 2019 16:00

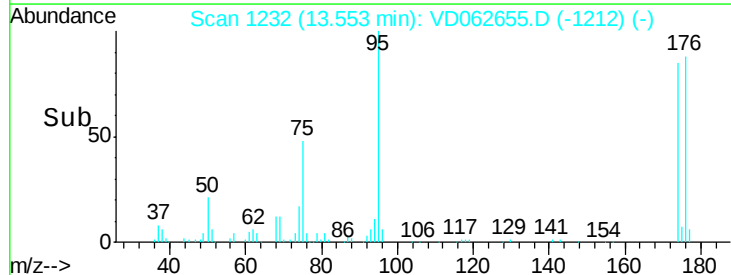
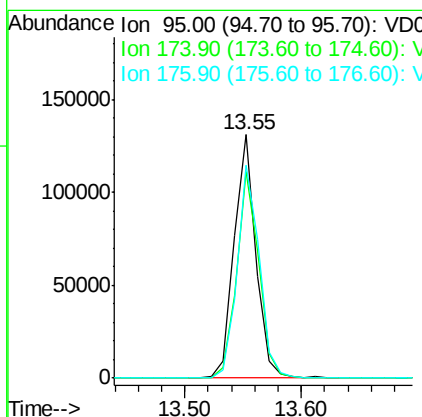
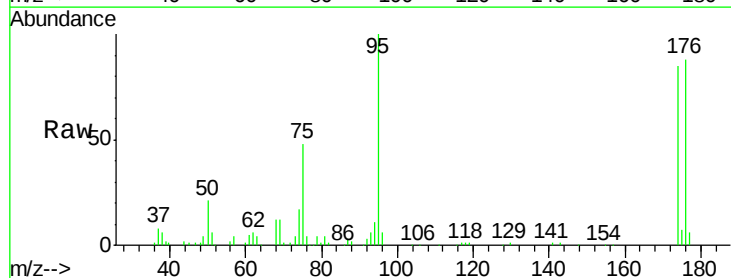
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7_9.5-10.0_060719

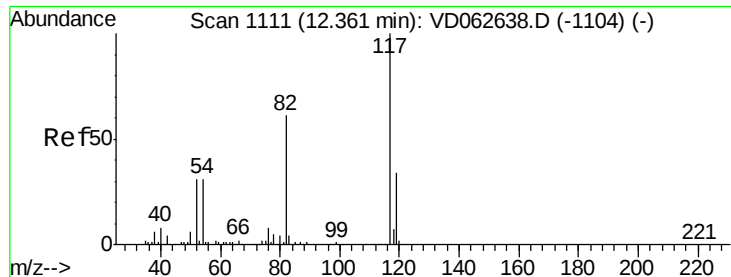
Tgt Ion: 63 Resp: 1934
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.5 30.7#



#62
 4-Bromofluorobenzene
 Concen: 42.743 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062655.D
 Acq: 10 Jun 2019 16:00

Tgt Ion: 95 Resp: 168525
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 167.0
 176 87.5 0.0 159.2

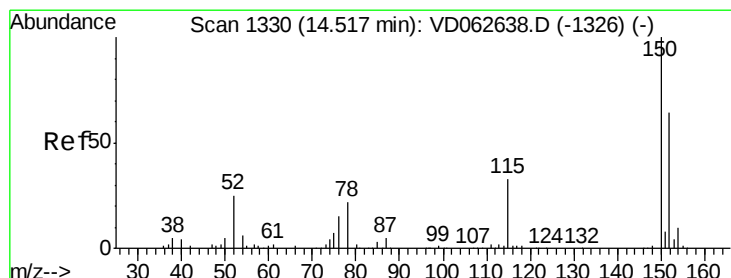
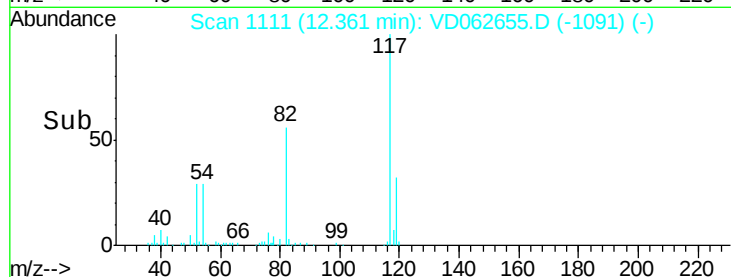
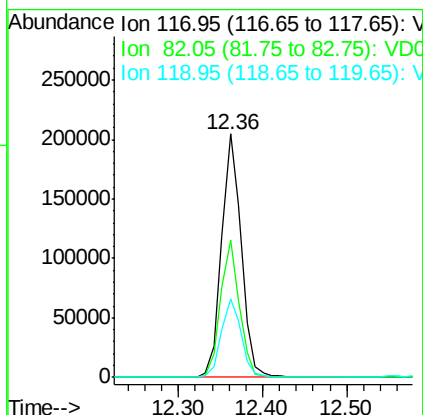
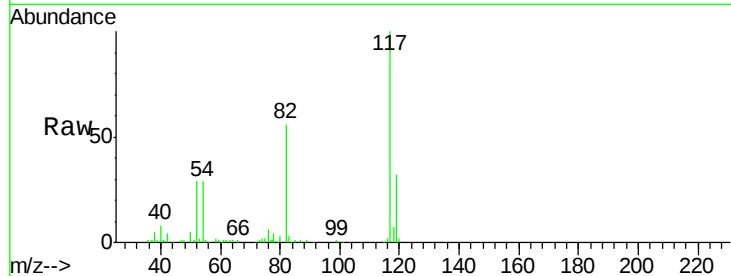




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

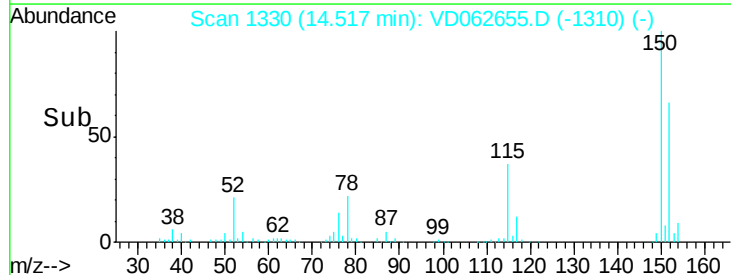
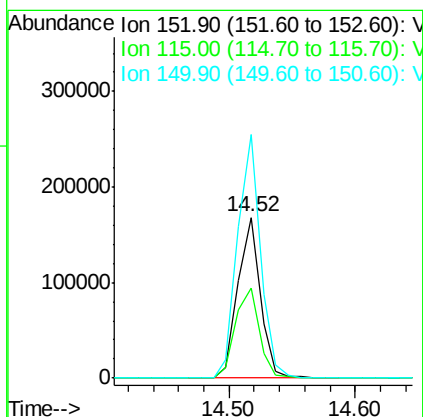
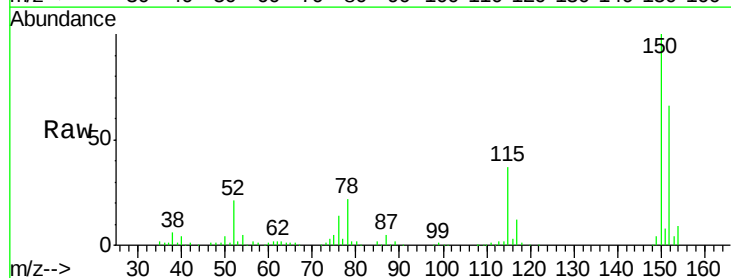
Instrument :
MSVOA_D
ClientSampleId :
SB-7_9.5-10.0_060719

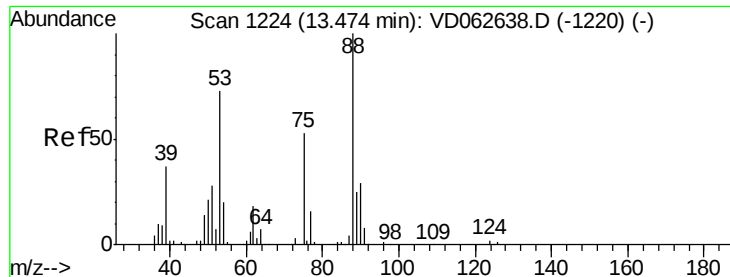
Tgt Ion:117 Resp: 331703
Ion Ratio Lower Upper
117 100
82 56.2 48.7 73.1
119 32.0 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

Tgt Ion:152 Resp: 206690
Ion Ratio Lower Upper
152 100
115 56.2 30.1 90.5
150 151.3 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 97.732 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

SB-7_9.5-10.0_060719

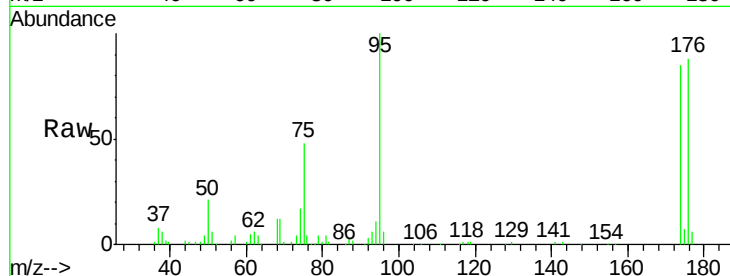
Tgt Ion: 75 Resp: 84577

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

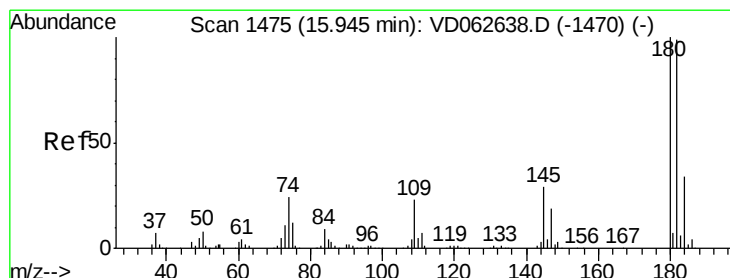
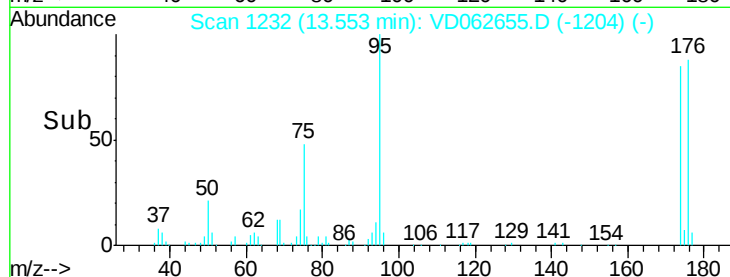
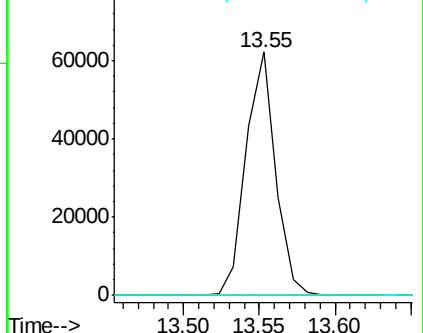
89 0.0 37.0 55.6#



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: 3.657 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062655.D

Acq: 10 Jun 2019 16:00

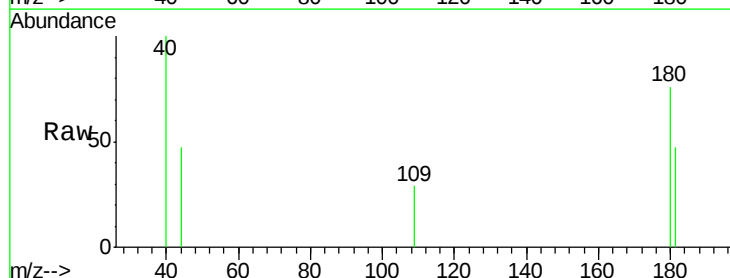
Tgt Ion: 180 Resp: 507

Ion Ratio Lower Upper

180 100

182 62.1 49.4 148.2

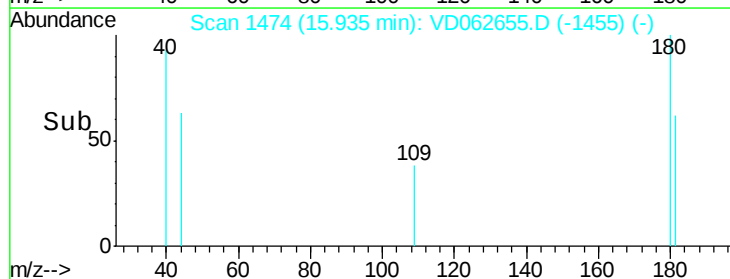
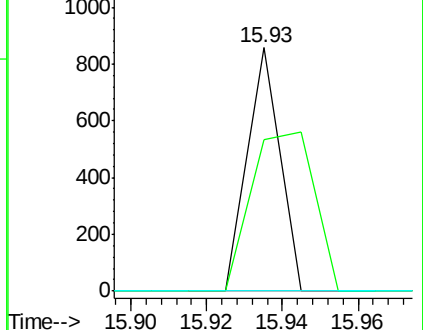
145 0.0 14.5 43.6#

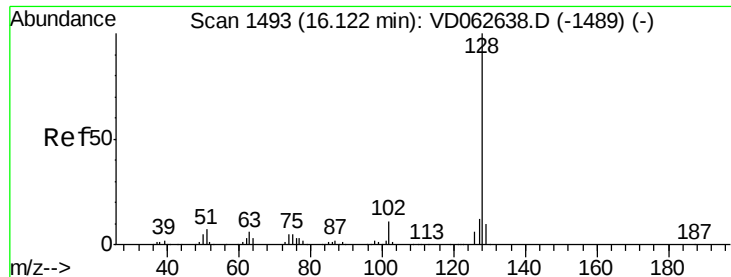


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

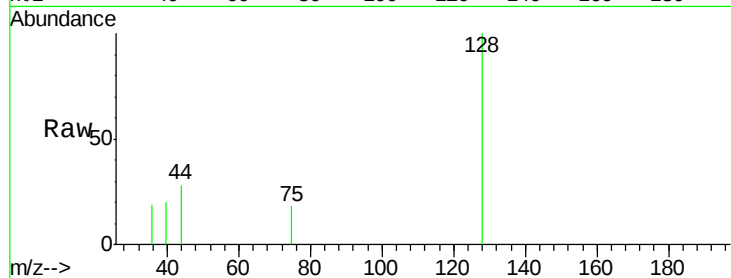




#95
Naphthalene
Concen: 3.733 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062655.D
Acq: 10 Jun 2019 16:00

Instrument :
MSVOA_D
ClientSampleId :
SB-7_9.5-10.0_060719

Tgt Ion:128 Resp: 2283
Ion Ratio Lower Upper
128 100
127 0.0 9.7 14.5#
129 0.0 8.1 12.1#



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

