

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070623.D
 Acq On : 07 Oct 2021 18:09
 Operator : VA/SY
 Sample : M4117-04
 Misc : 4.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(9.5-10.0)

Quant Time: Oct 08 04:54:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

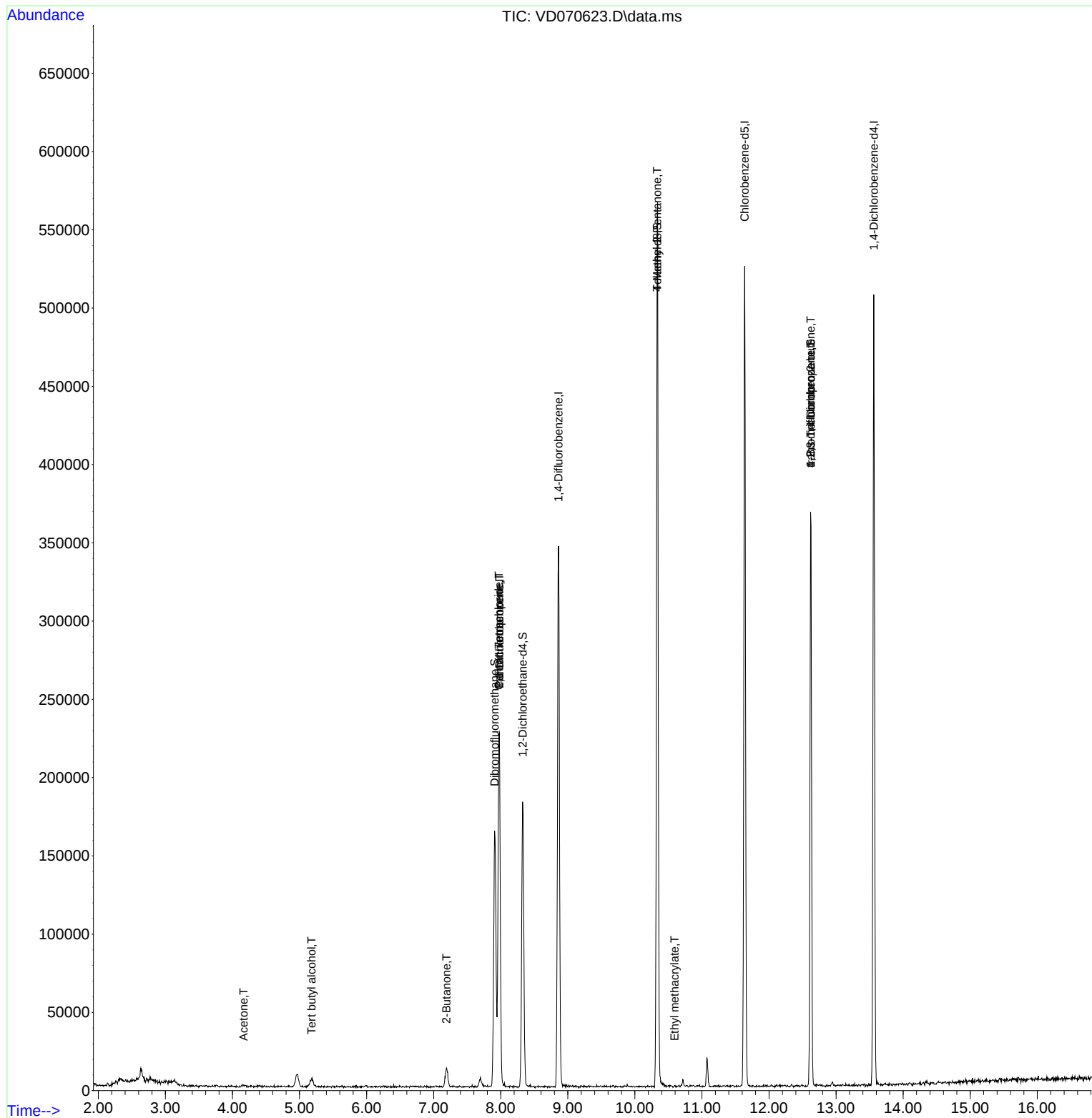
Internal Standards						
1) Pentafluorobenzene	7.979	168	167235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	305805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	319665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	137196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	145917	74.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.28%			
35) Dibromofluoromethane	7.908	113	125330	61.64	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.28%			
50) Toluene-d8	10.332	98	400500	51.53	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.06%			
62) 4-Bromofluorobenzene	12.620	95	129304	49.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.56%			
Target Compounds						
5) Bromomethane	2.768	94	1275	Below Cal	#	76
11) Tert butyl alcohol	5.179	59	4544	46.61	ug/l #	83
16) Acetone	4.168	43	2029	6.07	ug/l #	88
20) Methylene Chloride	4.962	84	7551	Below Cal	#	82
25) 2-Butanone	7.191	43	654	1.49	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	14453	4.45	ug/l #	48
38) Carbon Tetrachloride	7.973	117	17232	5.07	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	1394	1.37	ug/l #	1
56) Ethyl methacrylate	10.591	69	144	1.44	ug/l #	32
59) 2-Hexanone	11.073	43	274	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	59984	48.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	59984	107.25	ug/l #	17

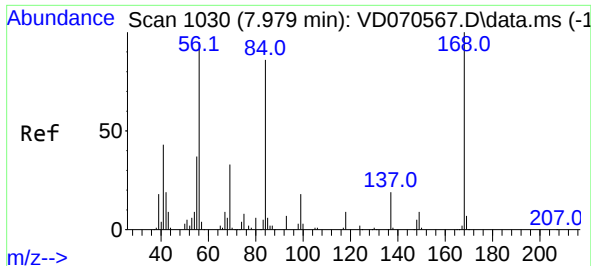
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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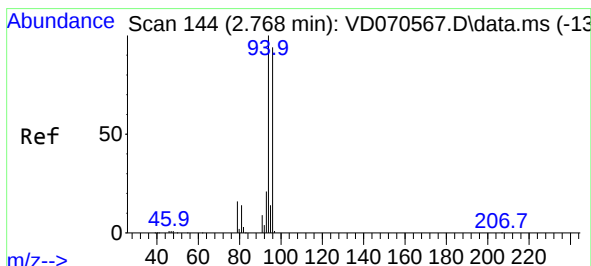
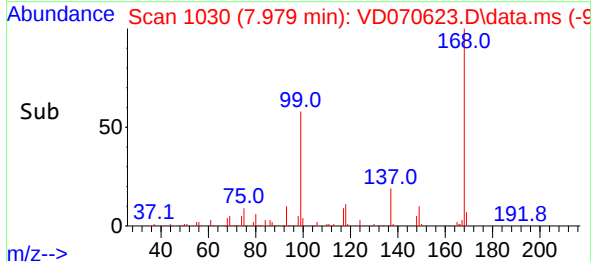
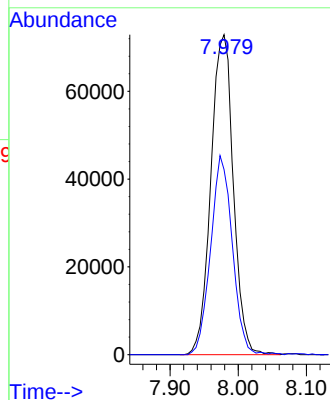
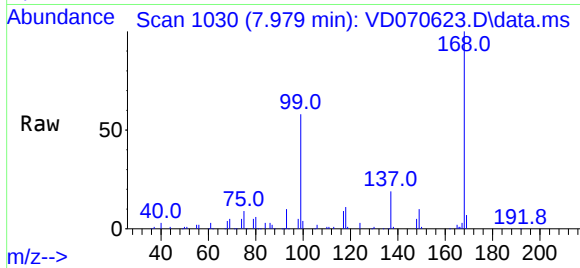




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

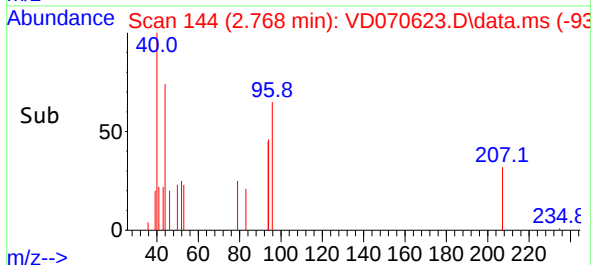
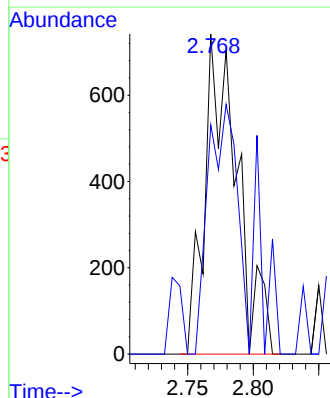
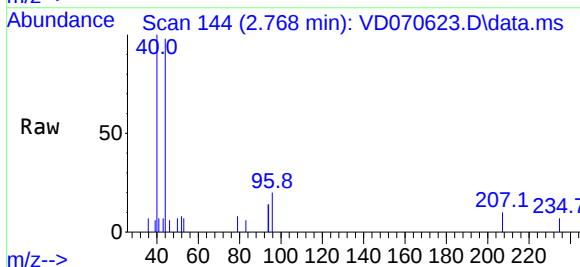
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

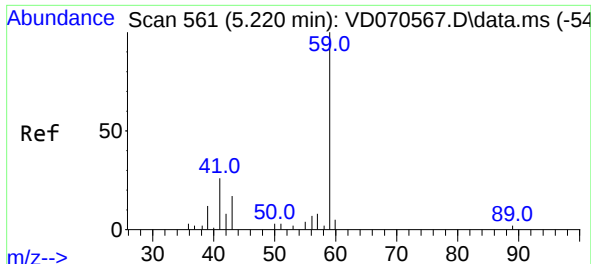
Tgt Ion:168 Resp: 167235
Ion Ratio Lower Upper
168 100
99 57.9 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion: 94 Resp: 1275
Ion Ratio Lower Upper
94 100
96 71.6 75.5 113.3#

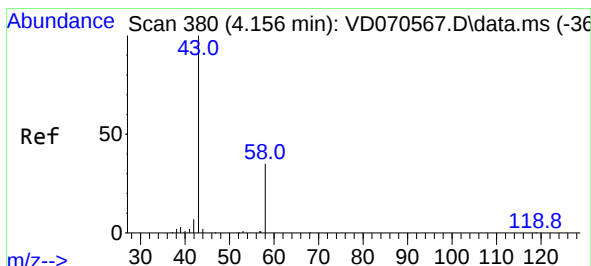
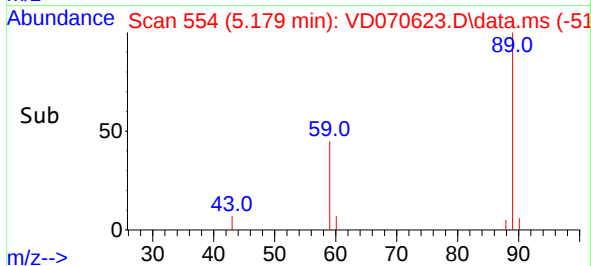
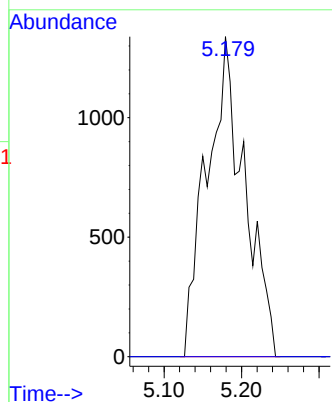
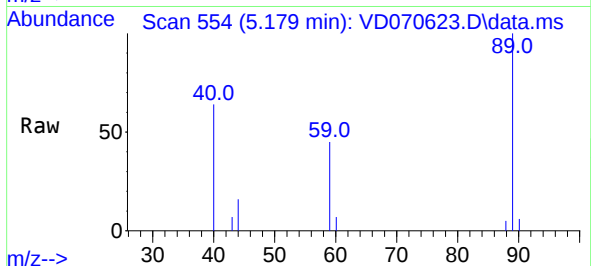




#11
Tert butyl alcohol
Concen: 46.61 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

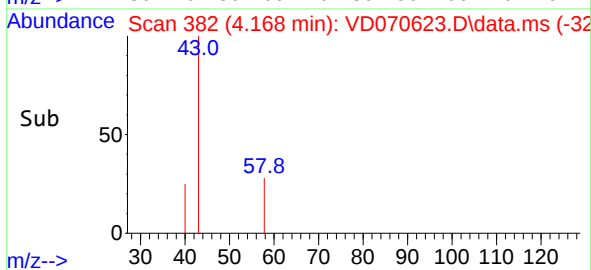
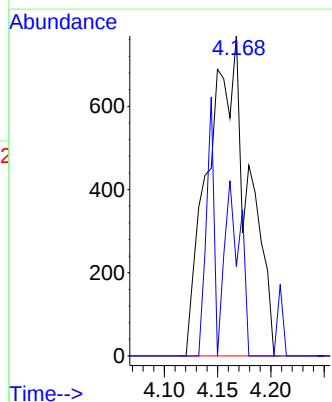
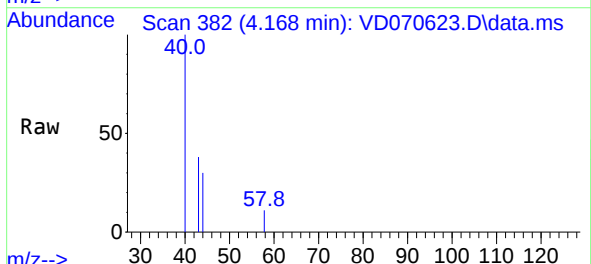
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

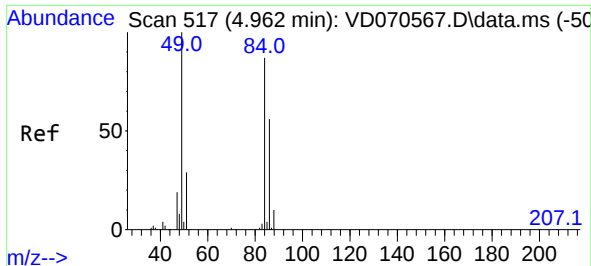
Tgt Ion: 59 Resp: 4544
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 6.07 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

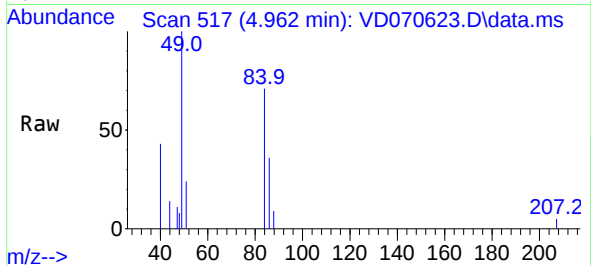
Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 28.0 28.2 42.2#



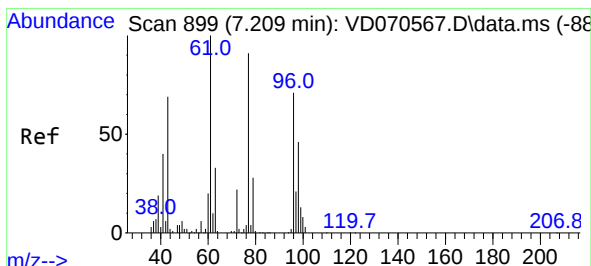
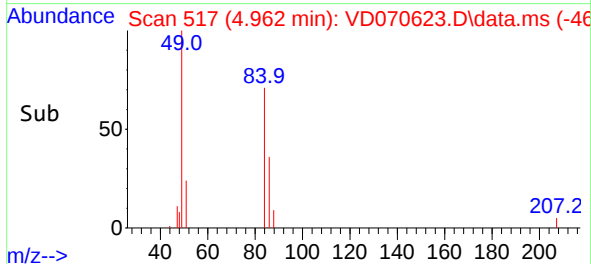
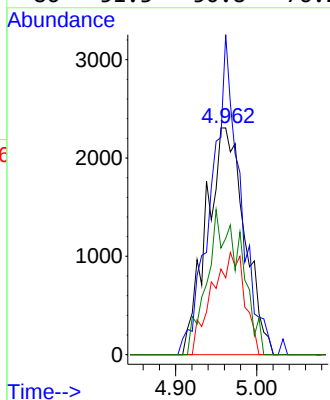


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

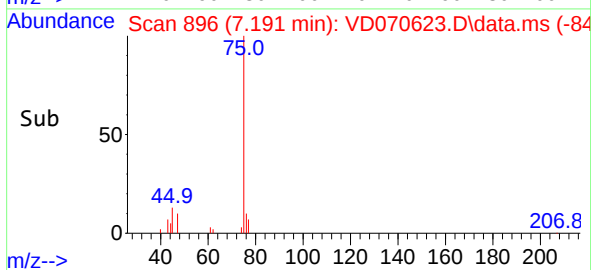
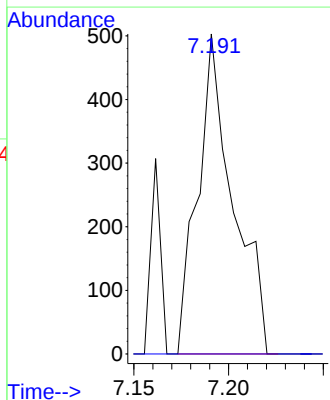
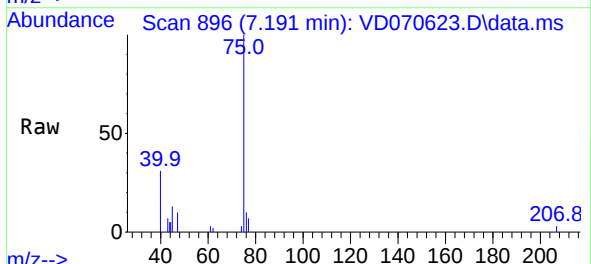


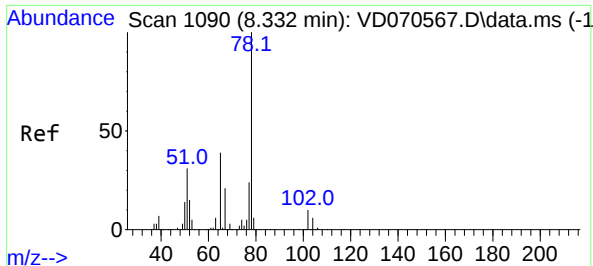
Tgt Ion: 84 Resp: 7551
Ion Ratio Lower Upper
84 100
49 141.1 91.4 137.2#
51 33.8 26.7 40.1
86 51.3 50.8 76.2



#25
2-Butanone
Concen: 1.49 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
72 0.0 25.2 37.8#

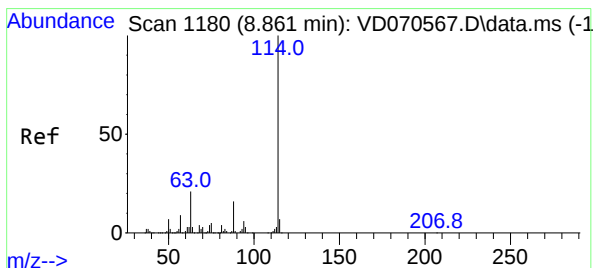
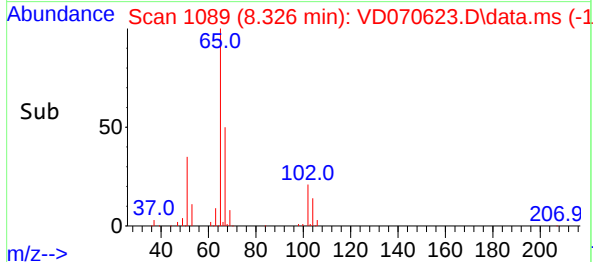
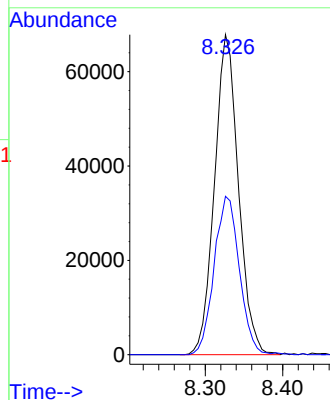
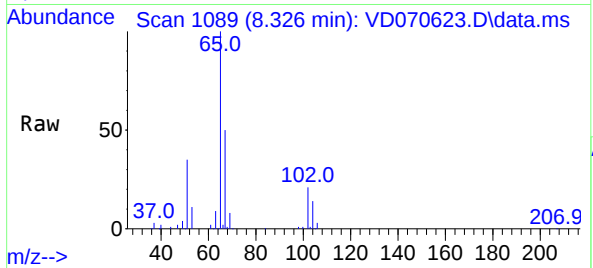




#33
1,2-Dichloroethane-d4
Concen: 74.14 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

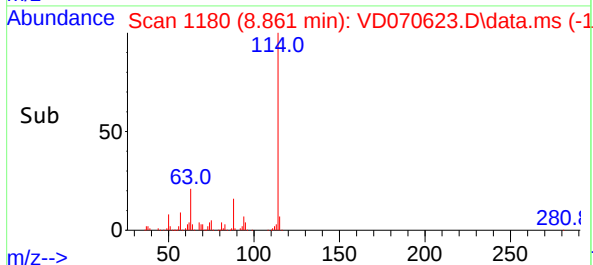
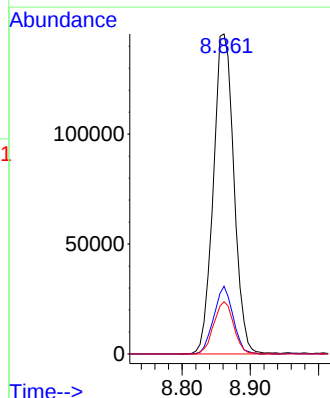
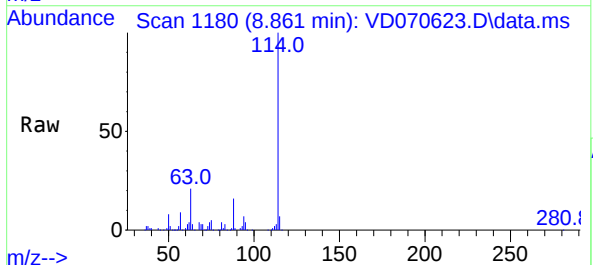
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

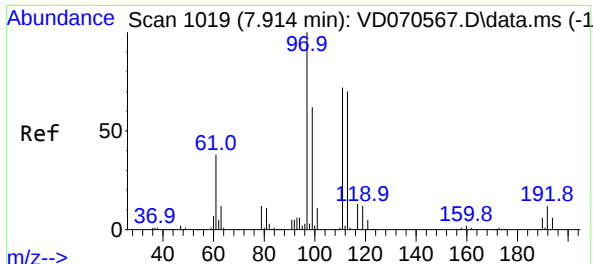
Tgt Ion: 65 Resp: 145917
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion:114 Resp: 305805
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.8
88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 61.64 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070623.D

Acq: 07 Oct 2021 18:09

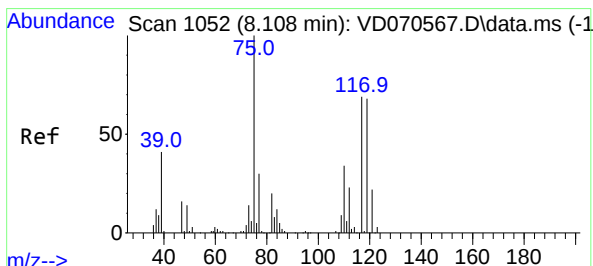
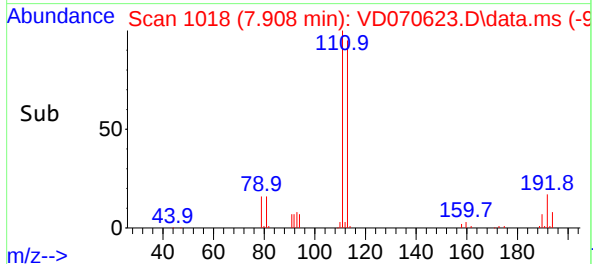
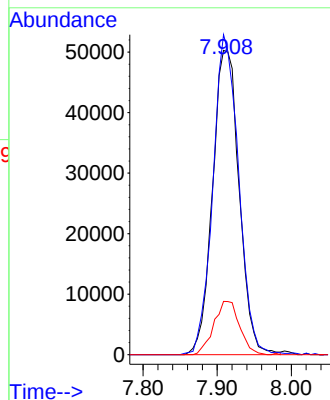
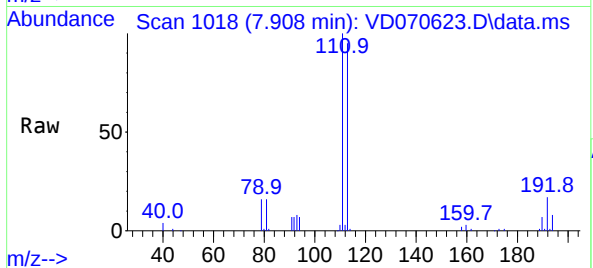
Tgt Ion:113 Resp: 125330

Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.45 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070623.D

Acq: 07 Oct 2021 18:09

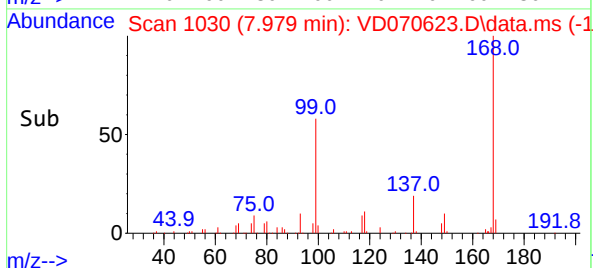
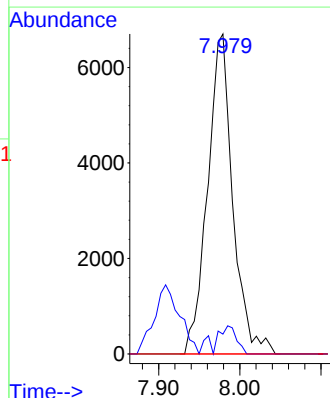
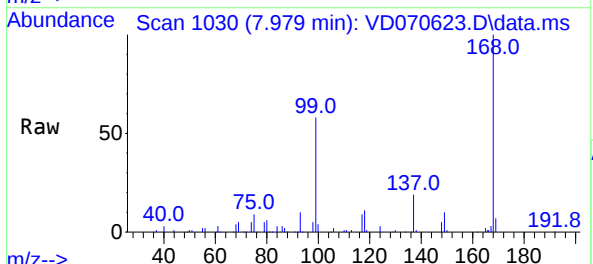
Tgt Ion: 75 Resp: 14453

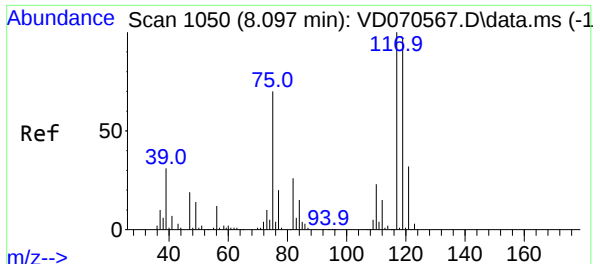
Ion Ratio Lower Upper

75 100

110 6.0 17.2 51.6#

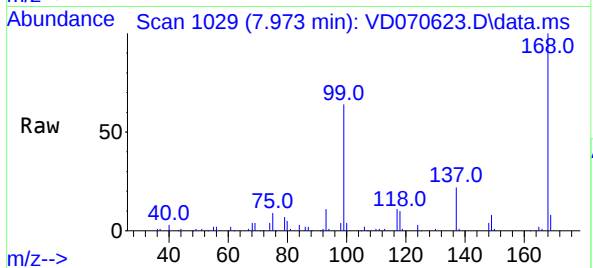
77 0.0 24.2 36.4#



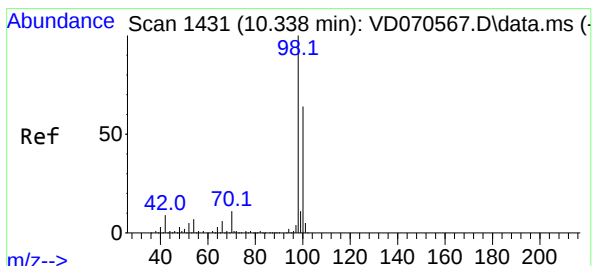
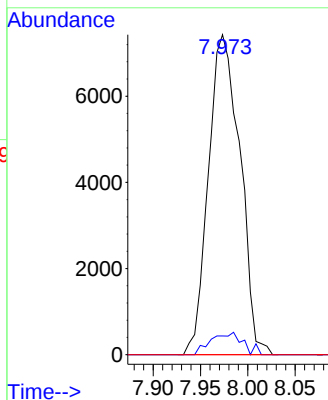
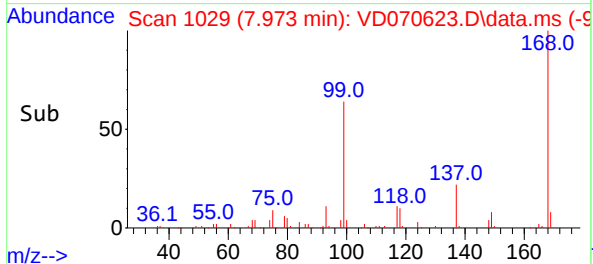


#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

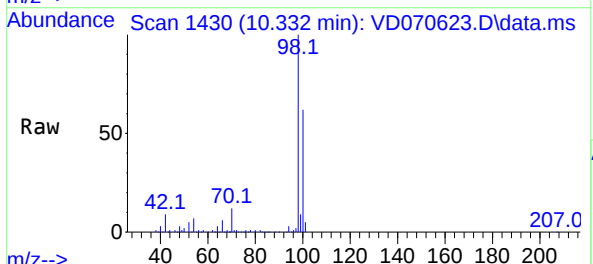
Instrument :
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SB-1(9.5-10.0)



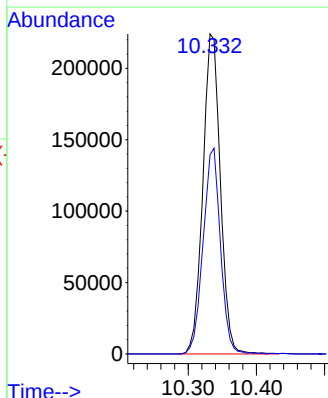
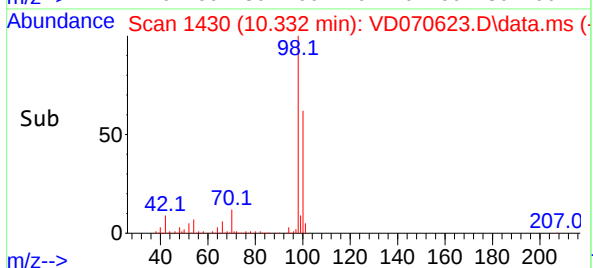
Tgt Ion:117 Resp: 17232
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 25.4 38.0#

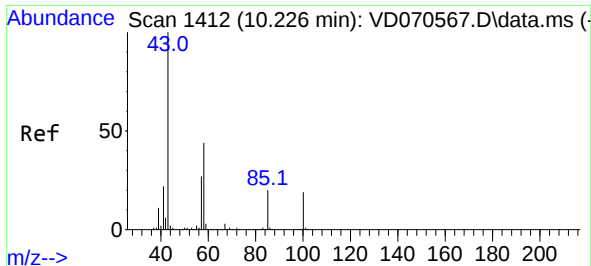


#50
Toluene-d8
Concen: 51.53 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09



Tgt Ion: 98 Resp: 400500
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4

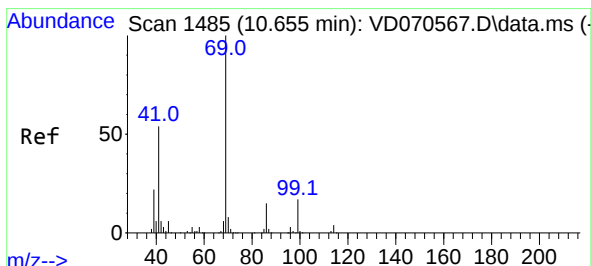
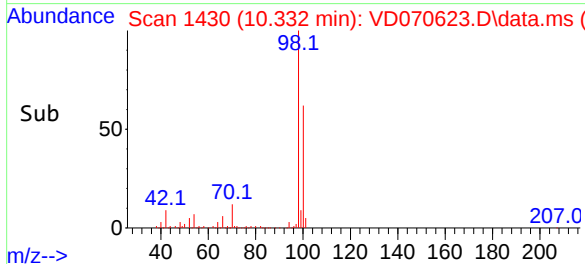
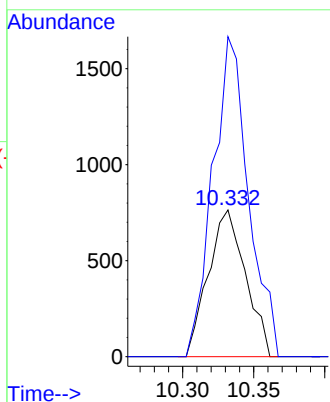
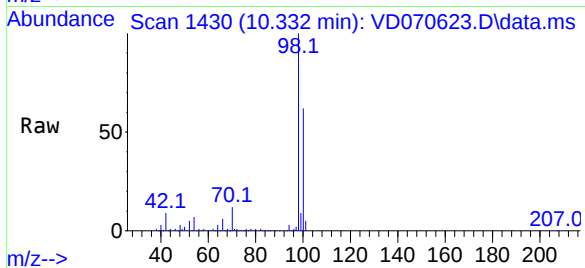




#51
4-Methyl-2-Pentanone
Concen: 1.37 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

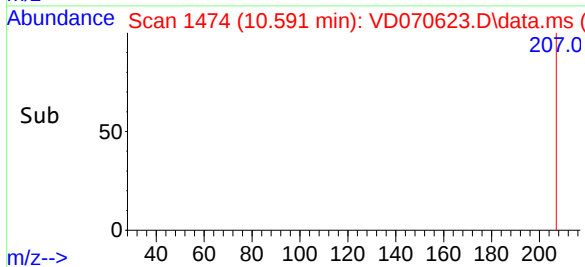
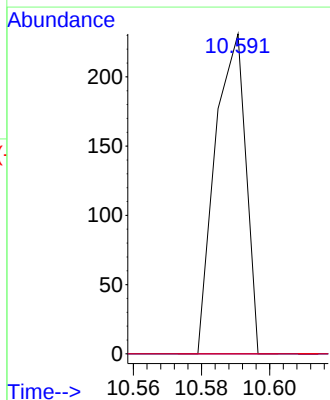
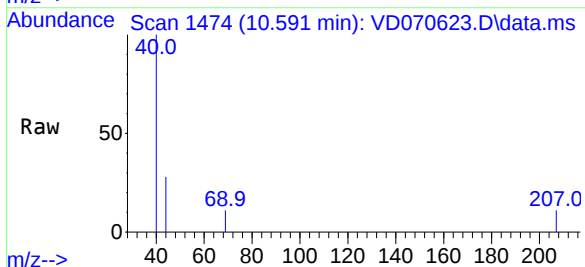
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

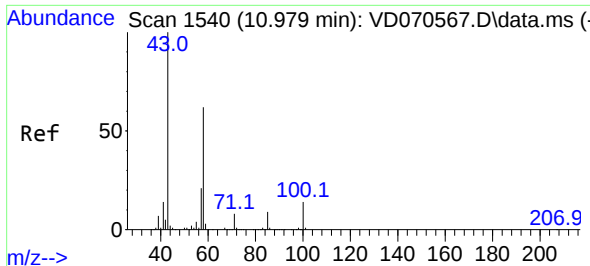
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 209.0 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.44 ug/l
RT: 10.591 min Scan# 1474
Delta R.T. -0.064 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion: 69 Resp: 144
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

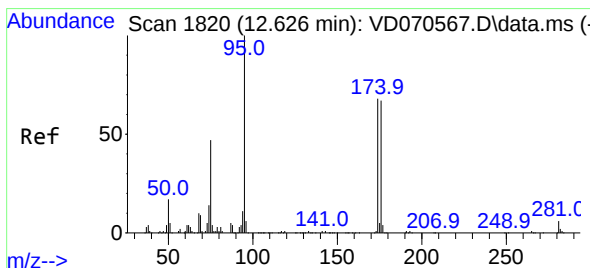
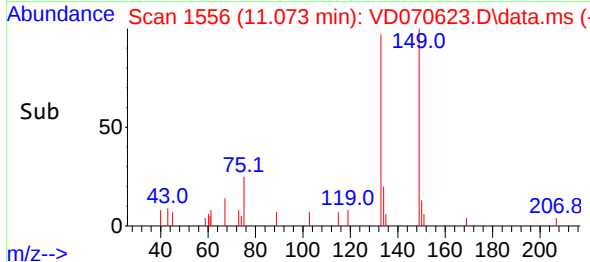
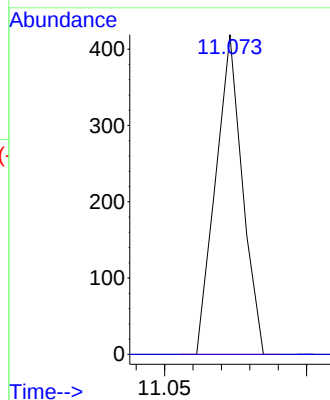
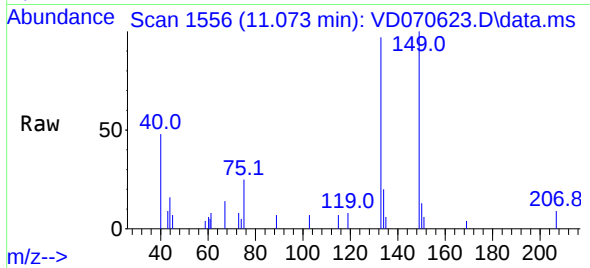




#59
2-Hexanone
Concen: Below Cal
RT: 11.073 min Scan# 1556
Delta R.T. 0.094 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

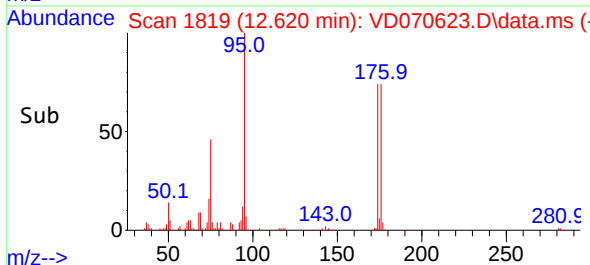
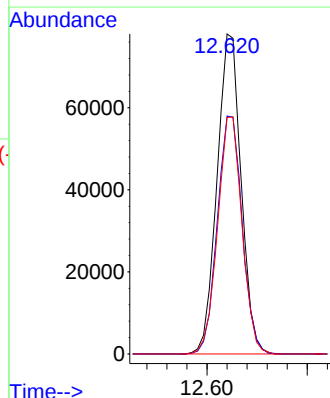
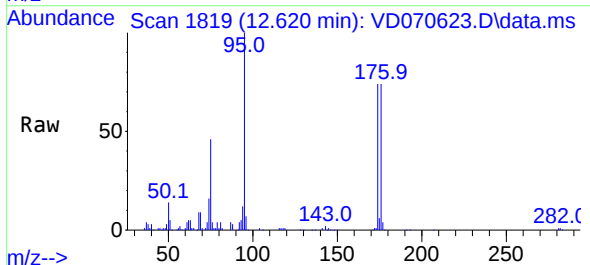
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

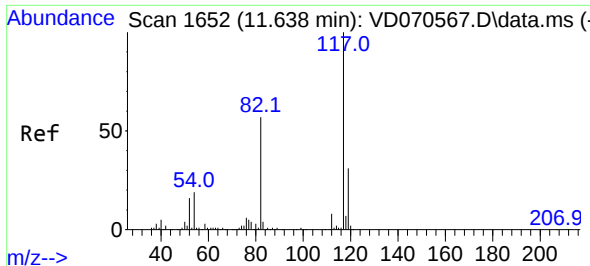
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 49.78 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion: 95 Resp: 129304
Ion Ratio Lower Upper
95 100
174 77.0 0.0 138.0
176 74.9 0.0 135.6



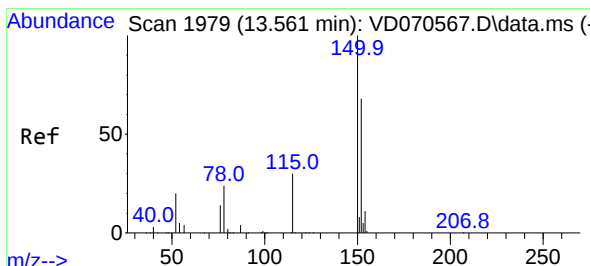
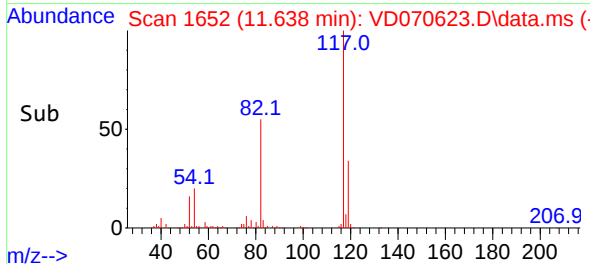
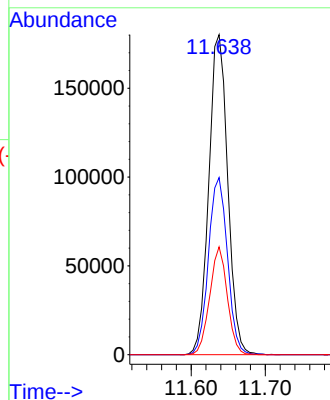
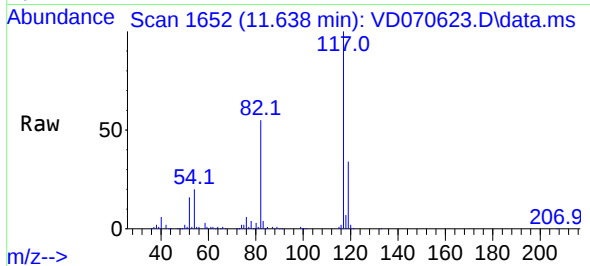


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

Tgt Ion:117 Resp: 319665

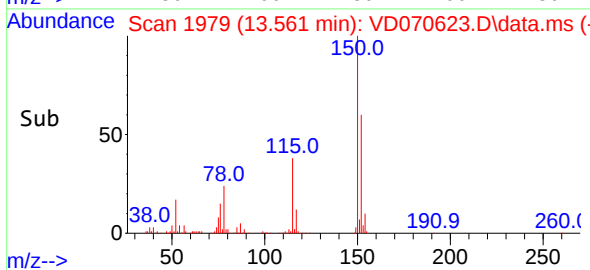
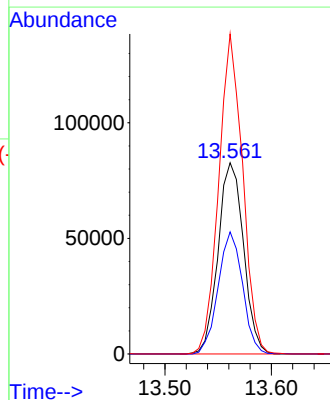
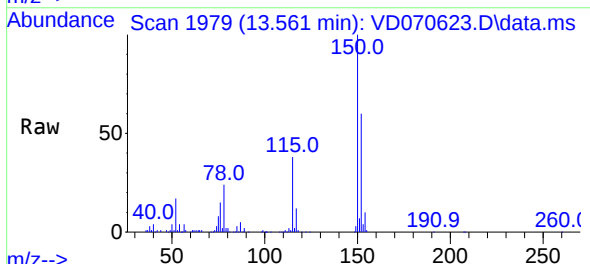
Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.4	68.2
119	33.7	24.7	37.1

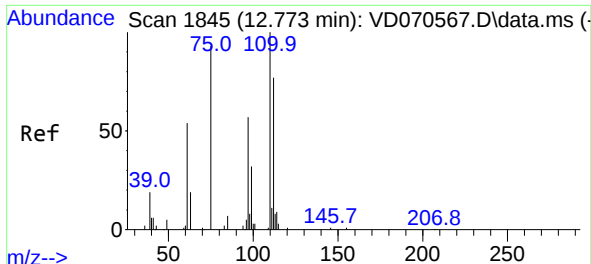


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion:152 Resp: 137196

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.9	95.7
150	157.3	0.0	350.0

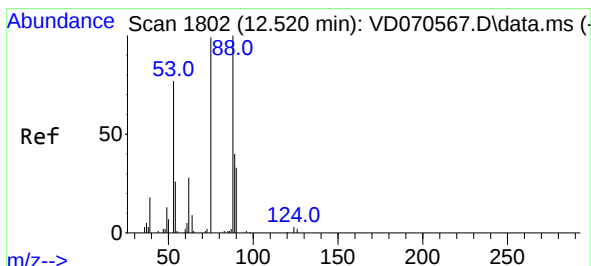
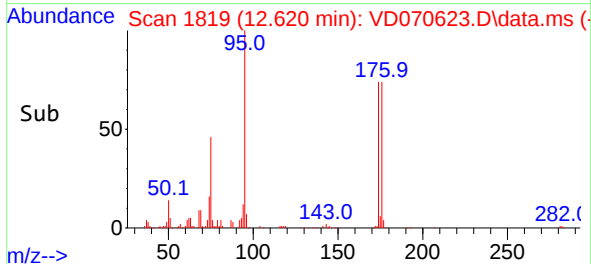
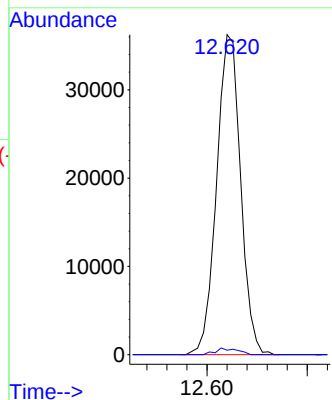
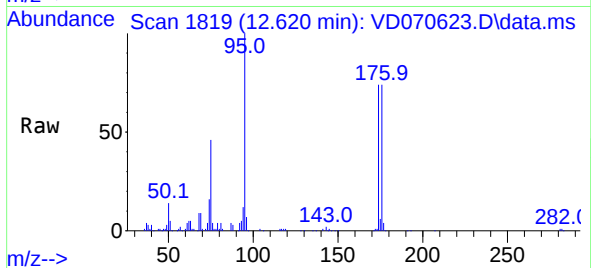




#76
1,2,3-Trichloropropane
Concen: 48.31 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

Tgt Ion: 75 Resp: 59984
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.25 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070623.D
Acq: 07 Oct 2021 18:09

Tgt Ion: 75 Resp: 59984
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#

