

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069573.D
 Acq On : 25 Jun 2021 18:40
 Operator : VA/SY
 Sample : M2857-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-9.5-10.0

Quant Time: Jun 26 03:41:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

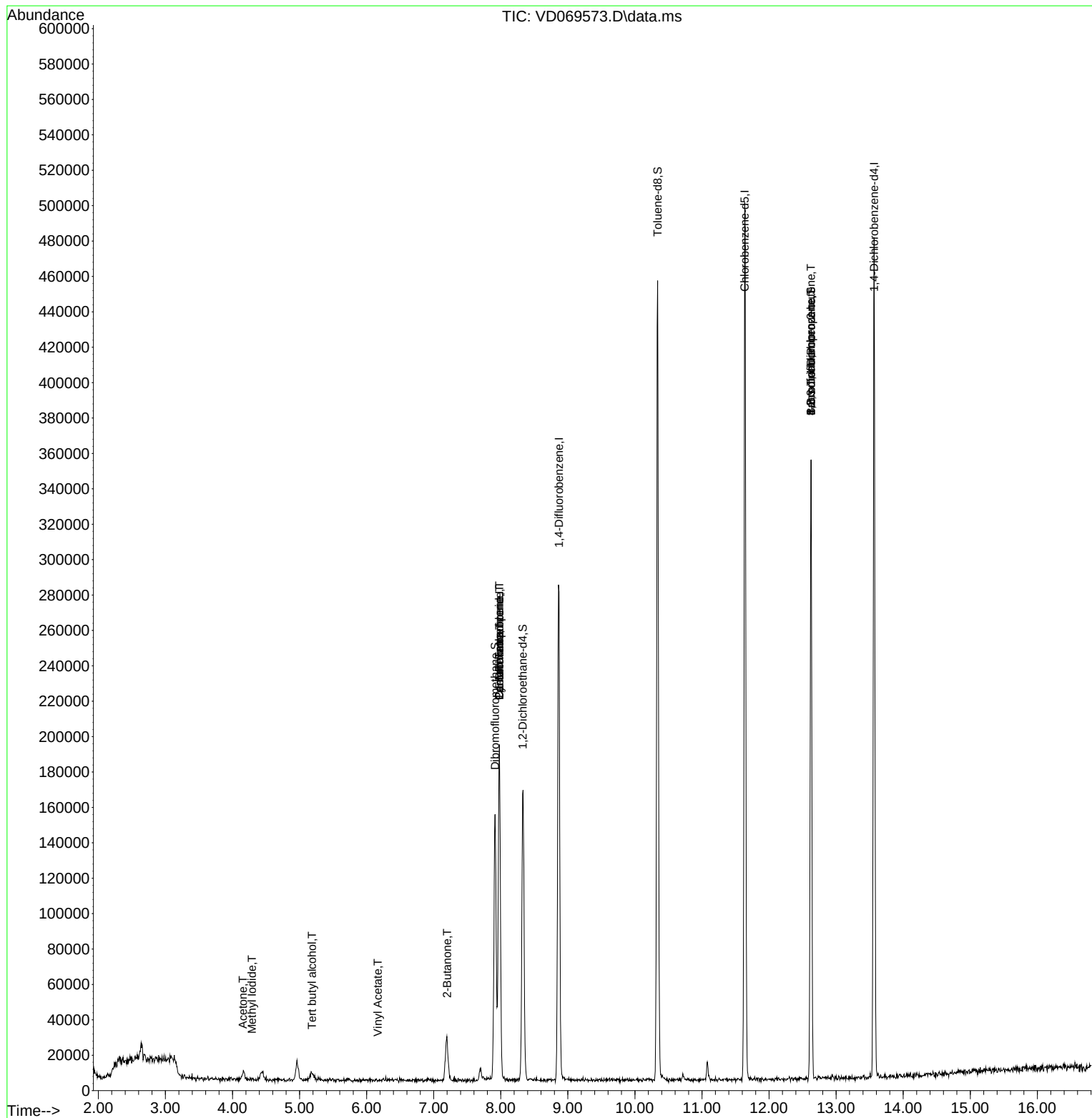
Internal Standards						
1) Pentafluorobenzene	7.979	168	131559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	243728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	282716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	123025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	136359	83.153	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.300%#			
35) Dibromofluoromethane	7.914	113	109151	66.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.500%			
50) Toluene-d8	10.338	98	312838	50.622	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.626	95	118206	58.182	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.360%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	638	Below Cal		81
10) Methyl Iodide	4.291	142	169	4.053 ug/l #		39
11) Tert butyl alcohol	5.185	59	4684	13.234 ug/l #		83
16) Acetone	4.156	43	8707	31.545 ug/l		93
18) Methyl Acetate	4.697	43	65	Below Cal #		49
20) Methylene Chloride	4.961	84	7027	Below Cal		97
23) Vinyl Acetate	6.167	43	61	19.035 ug/l #		70
25) 2-Butanone	7.203	43	1380	3.935 ug/l #		44
31) Cyclohexane	7.979	56	3537	1.602 ug/l #		17
36) 1,1-Dichloropropene	7.979	75	12561	5.251 ug/l #		48
38) Carbon Tetrachloride	7.979	117	14097	5.955 ug/l #		17
71) Bromoform	12.626	173	1061	1.024 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	59638	49.384 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	59638	123.304 ug/l #		12

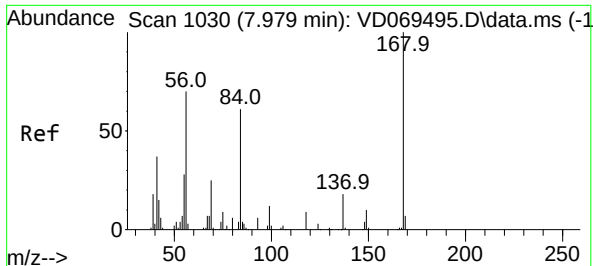
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-13-9.5-10.0

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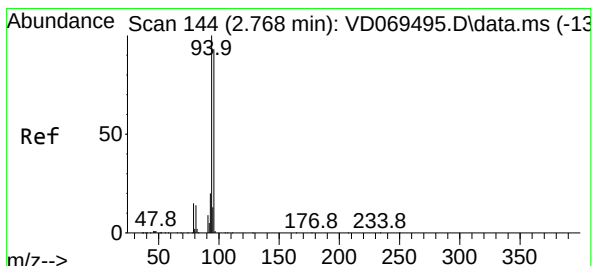
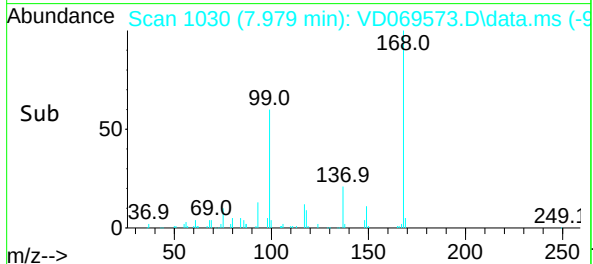
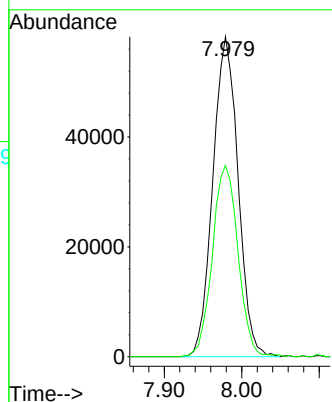
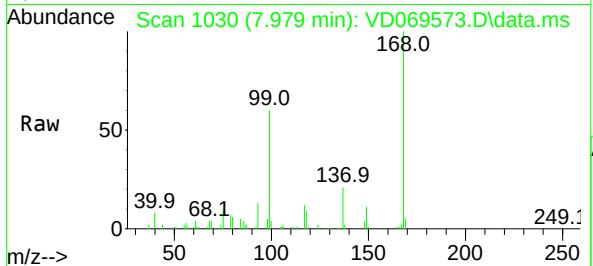




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

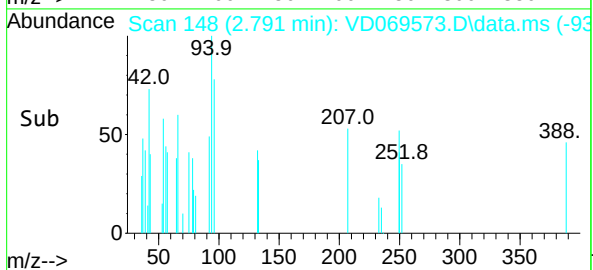
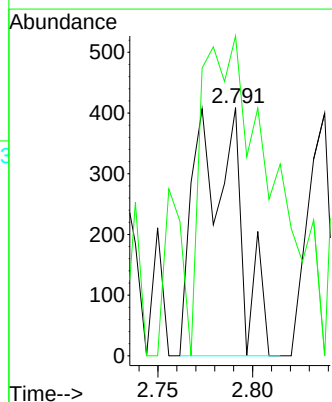
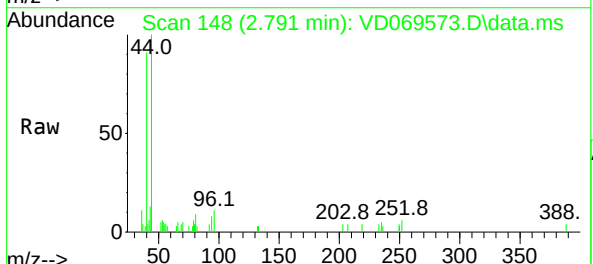
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

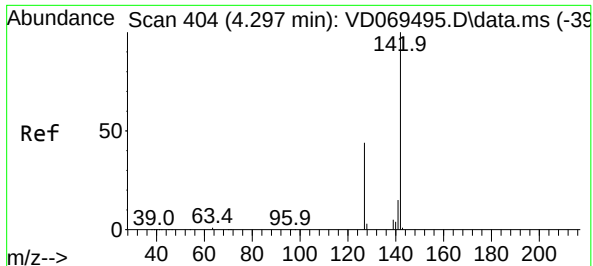
Tgt Ion:168 Resp: 131559
Ion Ratio Lower Upper
168 100
99 59.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 94 Resp: 638
Ion Ratio Lower Upper
94 100
96 74.6 74.6 111.8

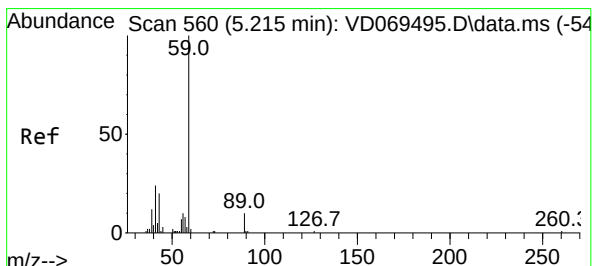
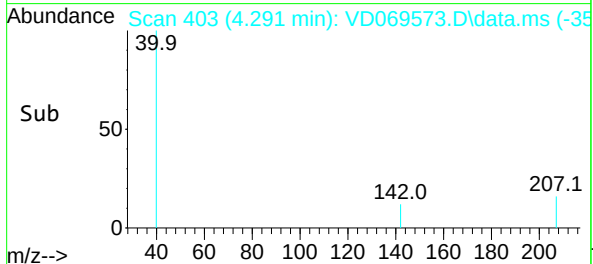
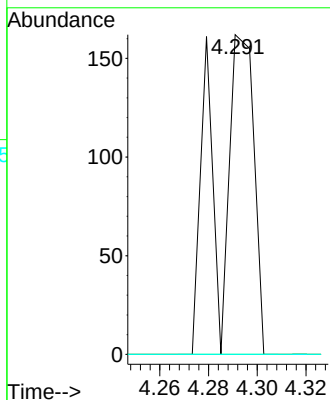
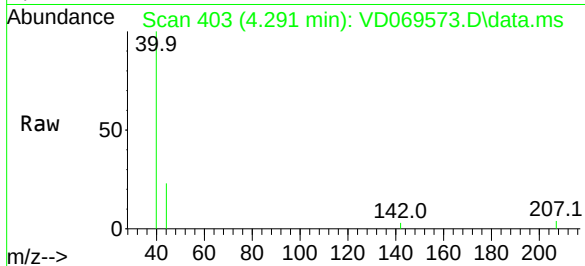




#10
Methyl Iodide
Concen: 4.053 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

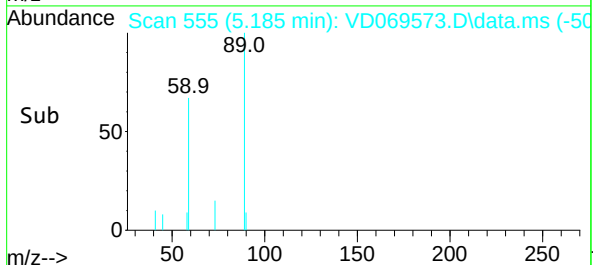
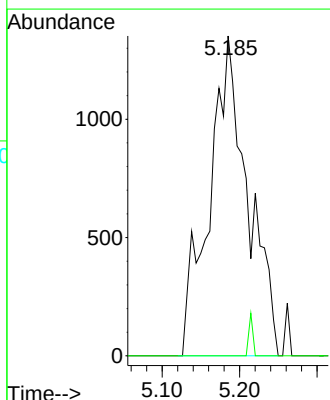
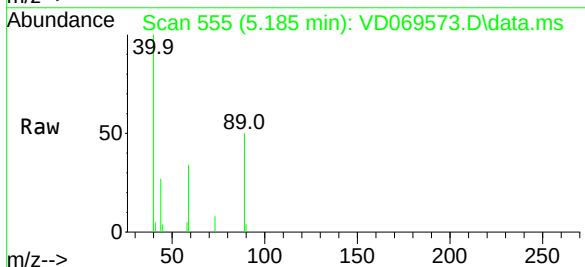
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

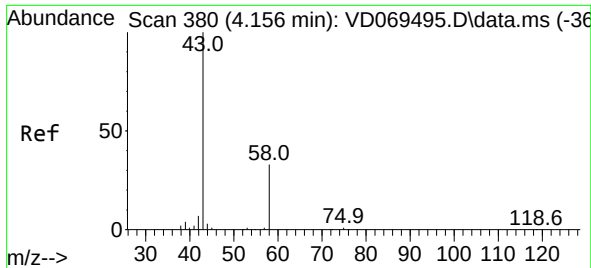
Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 13.234 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 59 Resp: 4684
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

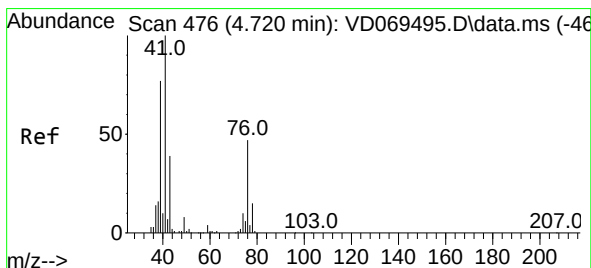
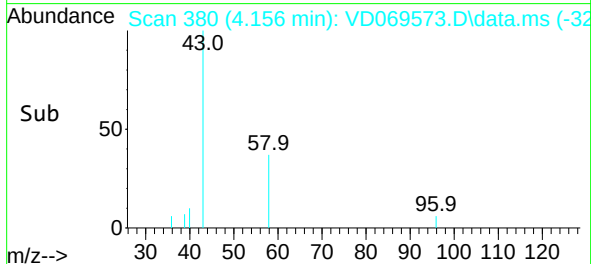
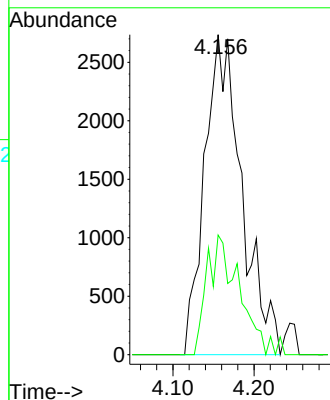
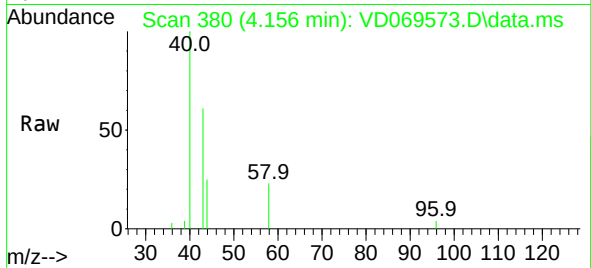




#16
Acetone
Concen: 31.545 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

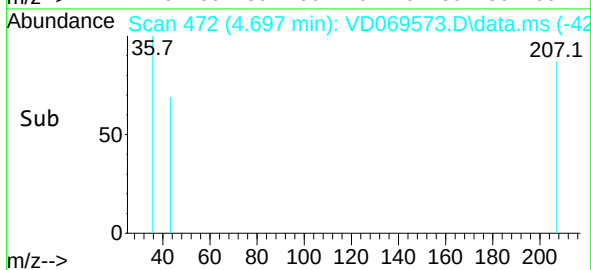
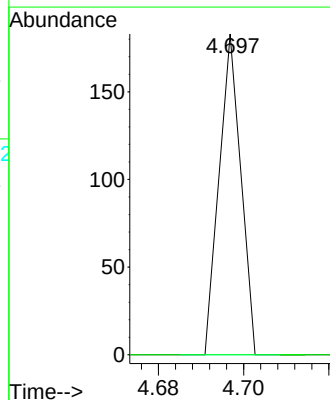
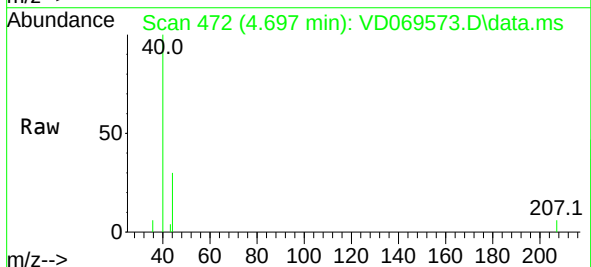
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

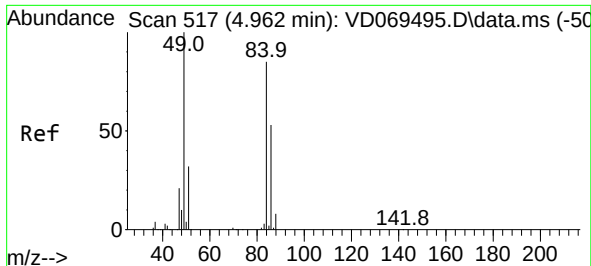
Tgt Ion: 43 Resp: 8707
Ion Ratio Lower Upper
43 100
58 37.4 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

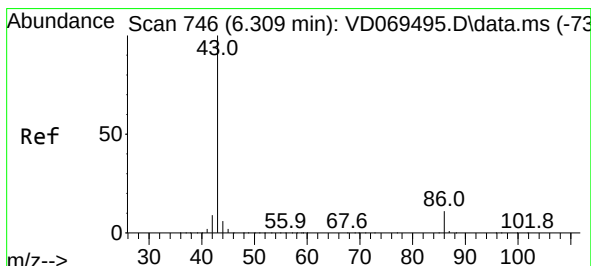
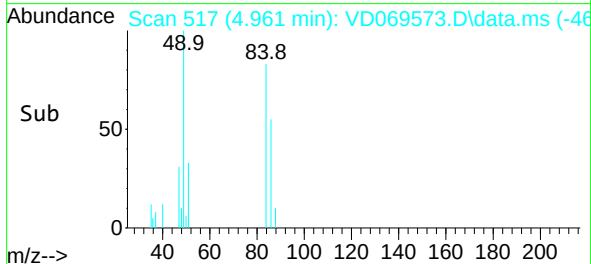
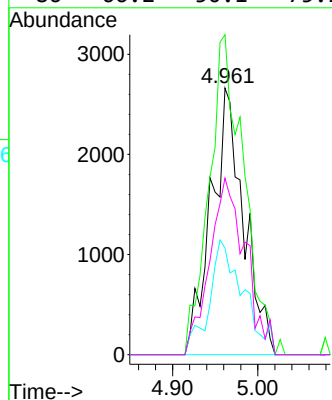
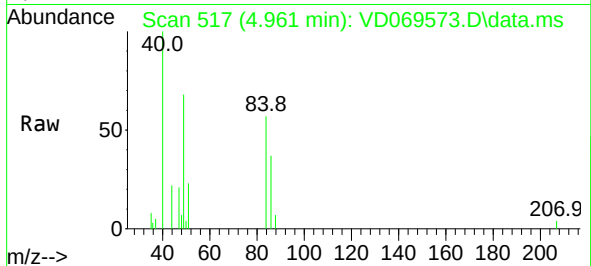




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

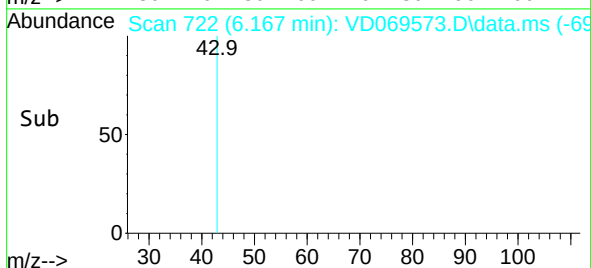
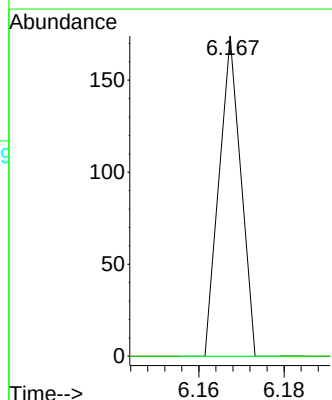
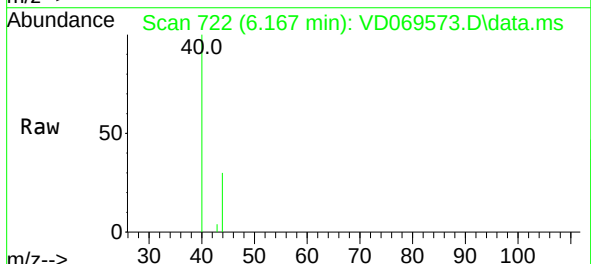
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

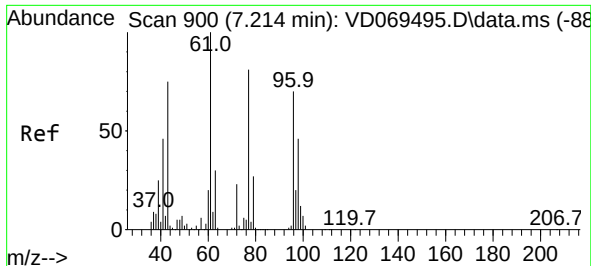
Tgt Ion:	84	Resp:	7027
Ion	Ratio	Lower	Upper
84	100		
49	120.0	94.0	141.0
51	40.0	29.7	44.5
86	66.2	50.1	75.1



#23
Vinyl Acetate
Concen: 19.035 ug/l
RT: 6.167 min Scan# 722
Delta R.T. -0.142 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

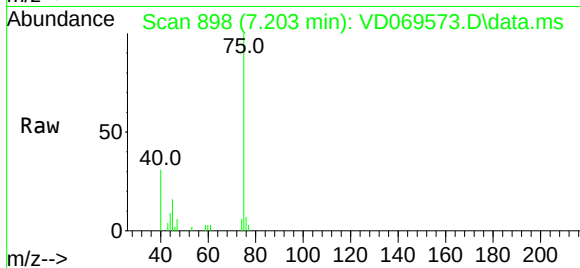
Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



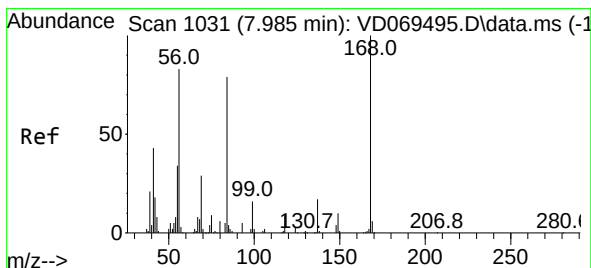
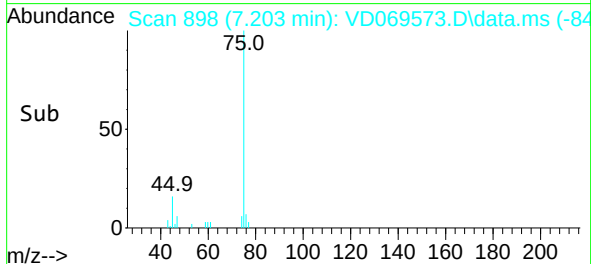
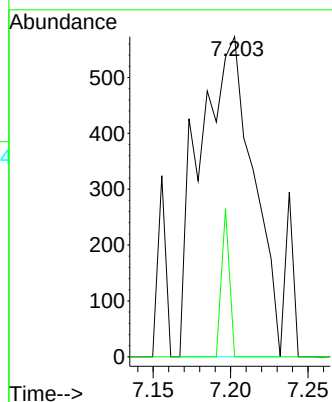


#25
2-Butanone
Concen: 3.935 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

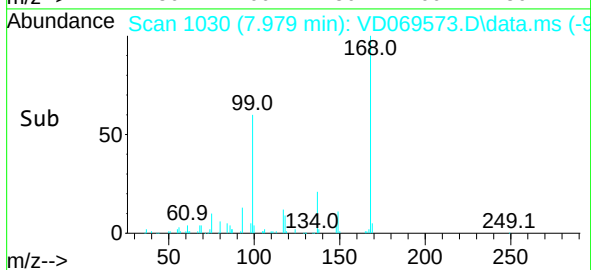
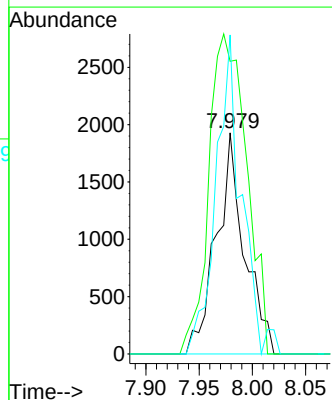
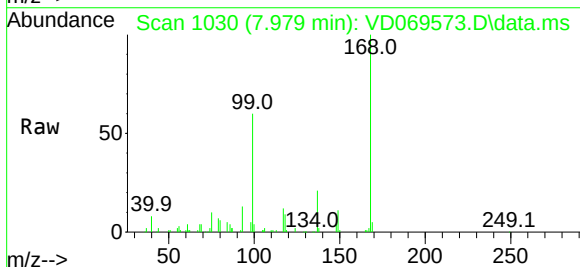


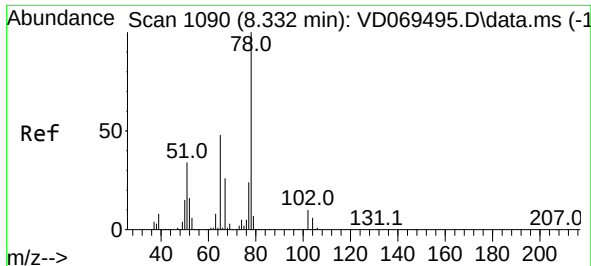
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 56 Resp: 3537
Ion Ratio Lower Upper
56 100
69 132.4 28.0 42.0#
84 144.3 75.7 113.5#



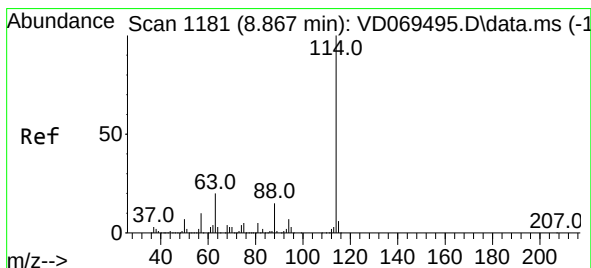
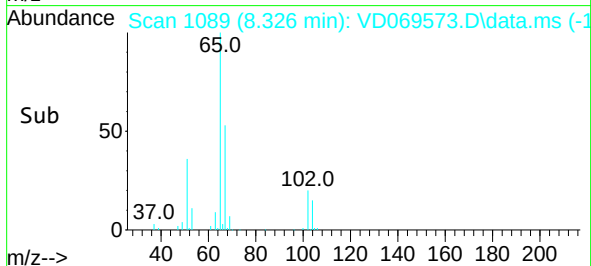
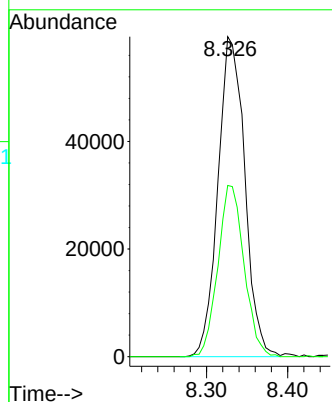
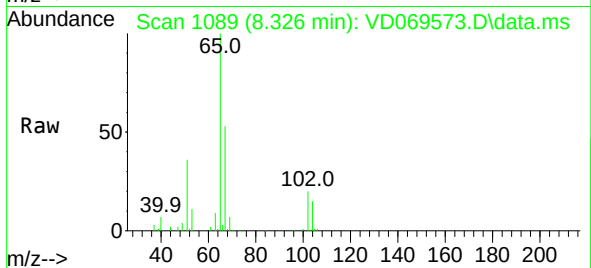


#33

1,2-Dichloroethane-d4
Concen: 83.153 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

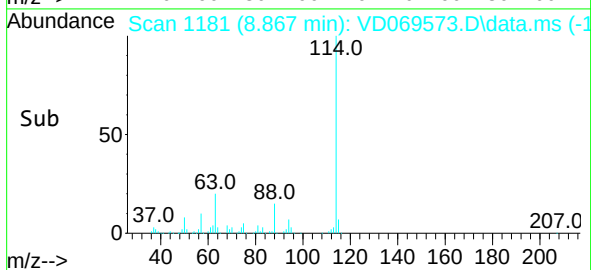
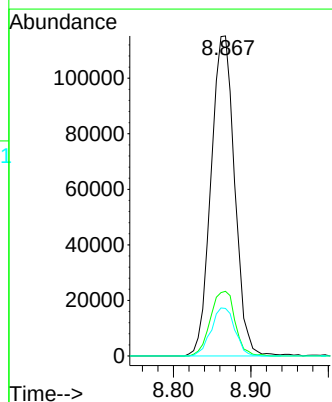
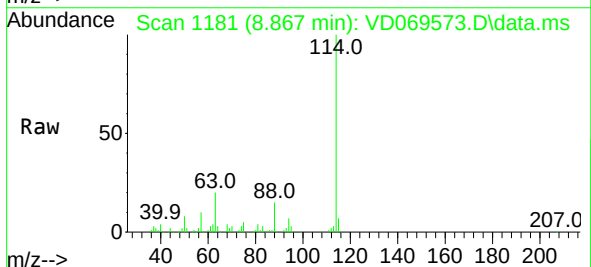
Tgt Ion: 65 Resp: 136359
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6

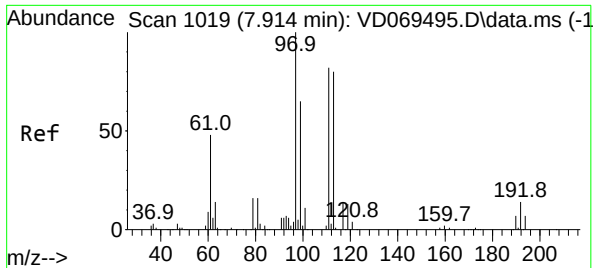


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 114 Resp: 243728
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 66.250 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069573.D

Acq: 25 Jun 2021 18:40

Tgt Ion:113 Resp: 109151

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

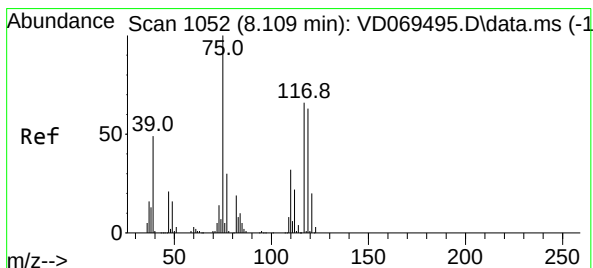
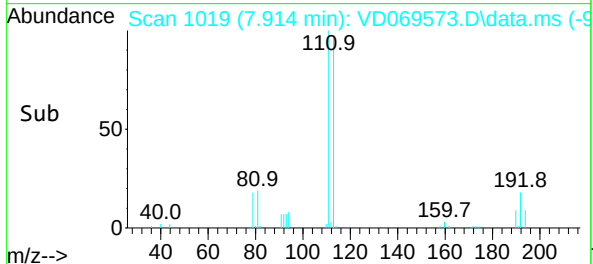
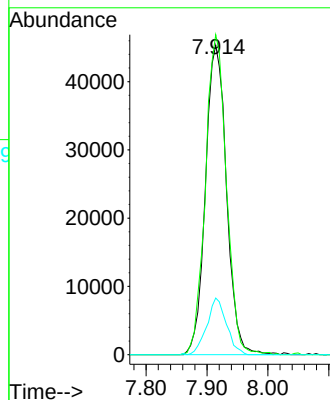
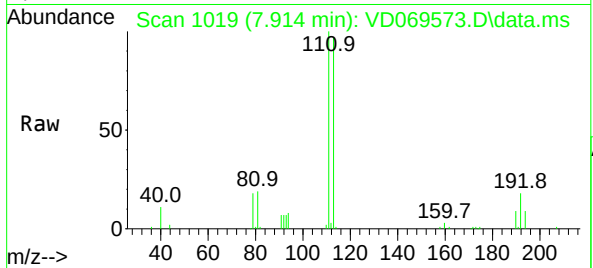
192 17.1 13.8 20.6

Instrument :

MSVOA_D

ClientSampleId :

SB-13-9.5-10.0



#36

1,1-Dichloropropene

Concen: 5.251 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069573.D

Acq: 25 Jun 2021 18:40

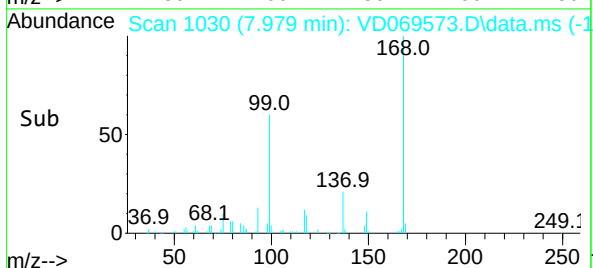
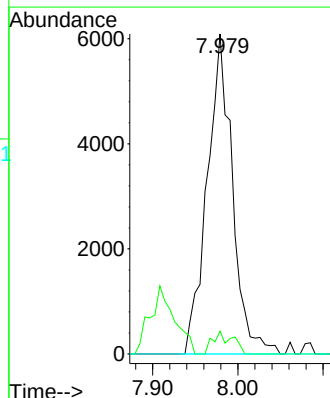
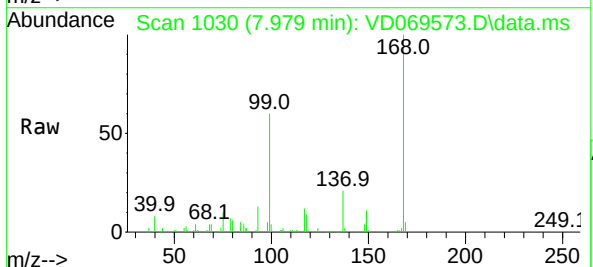
Tgt Ion: 75 Resp: 12561

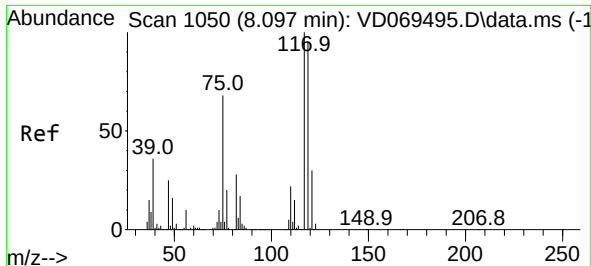
Ion Ratio Lower Upper

75 100

110 5.5 16.8 50.4#

77 0.0 24.3 36.5#

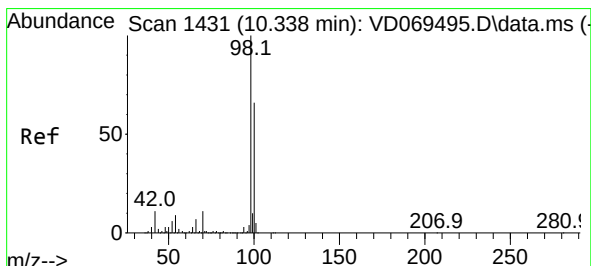
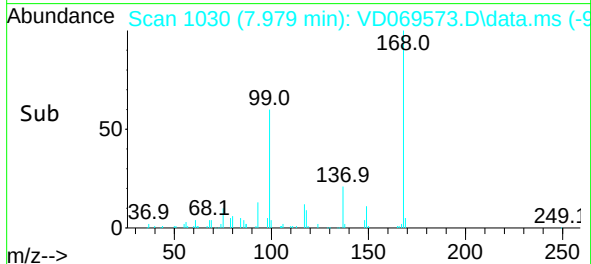
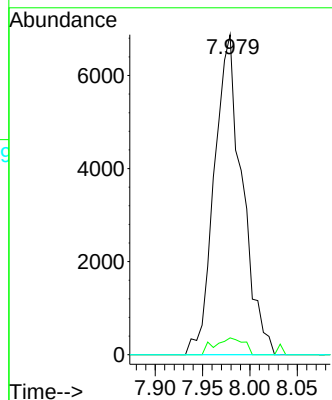
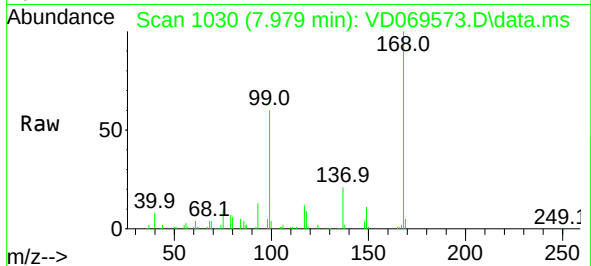




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

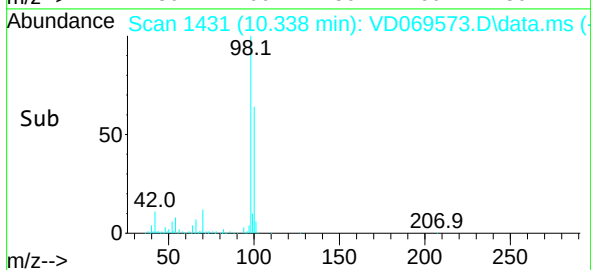
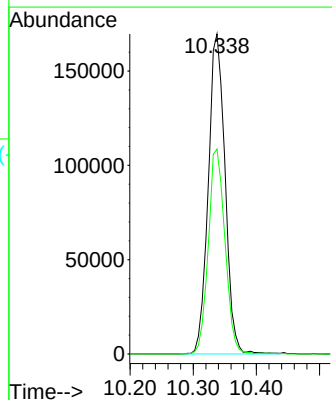
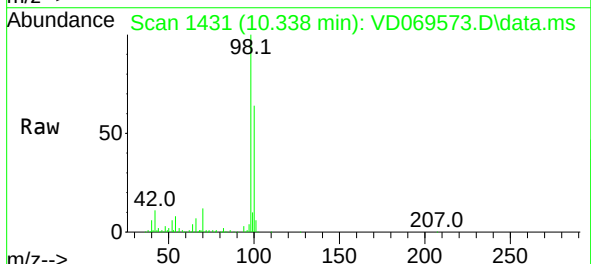
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

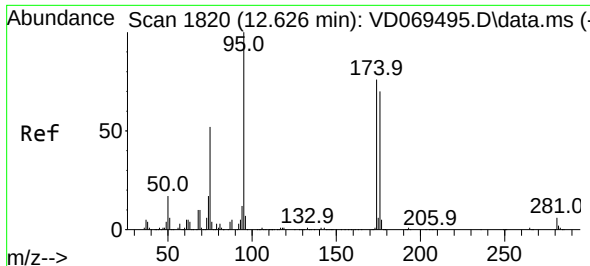
Tgt Ion:117 Resp: 14097
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 50.622 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 98 Resp: 312838
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

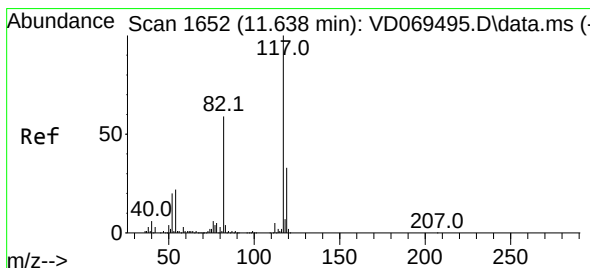
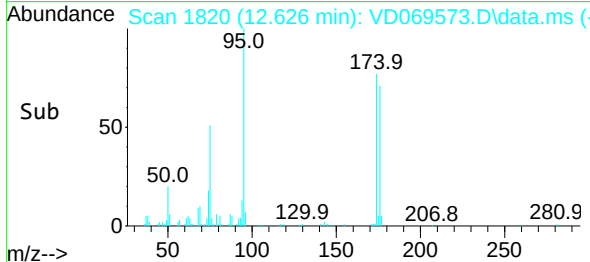
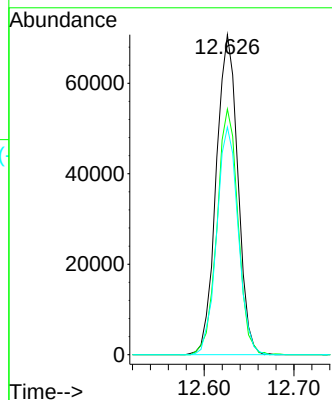
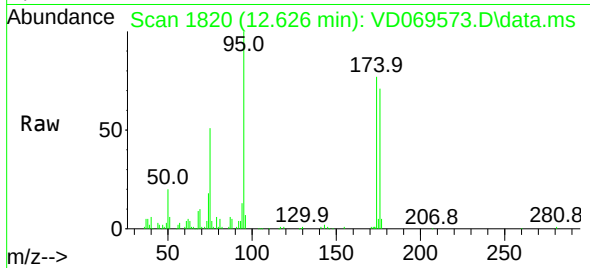




#62
4-Bromofluorobenzene
Concen: 58.182 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

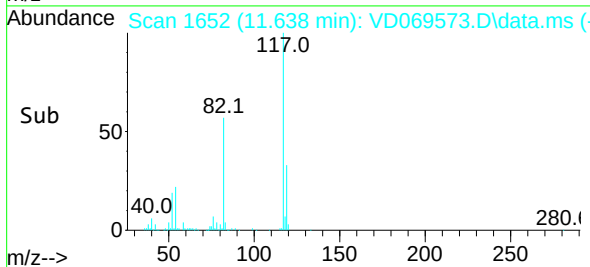
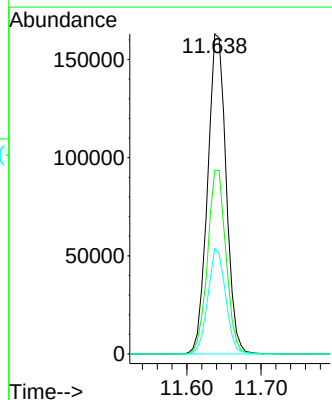
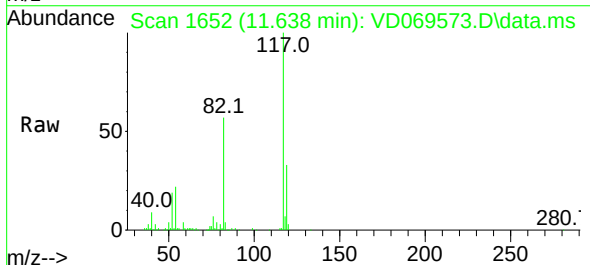
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

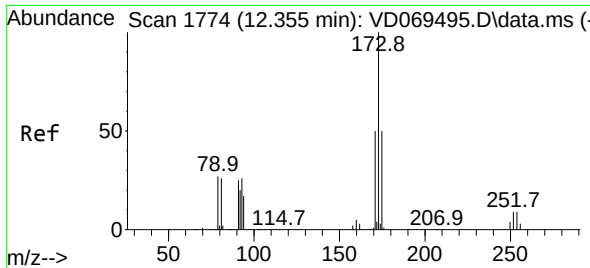
Tgt Ion: 95 Resp: 118206
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.0
176 70.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 117 Resp: 282716
Ion Ratio Lower Upper
117 100
82 57.3 46.8 70.2
119 33.0 26.2 39.2

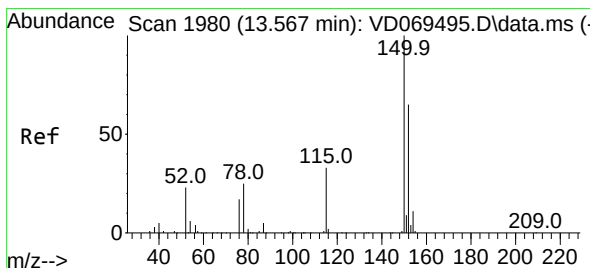
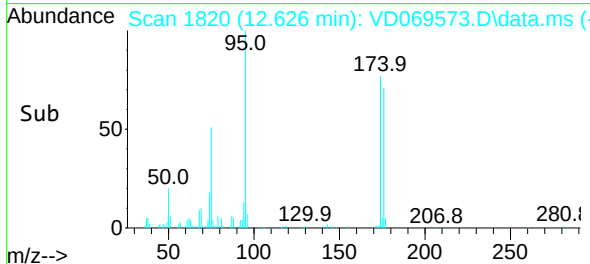
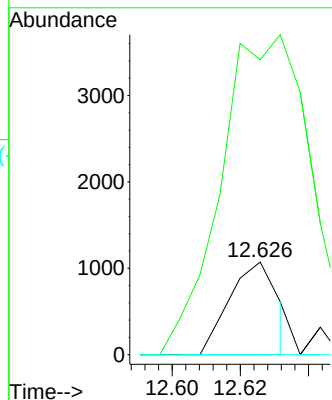
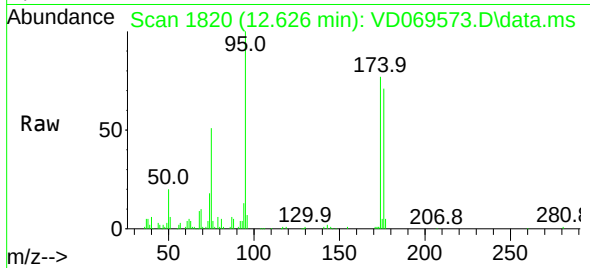




#71
Bromoform
Concen: 1.024 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

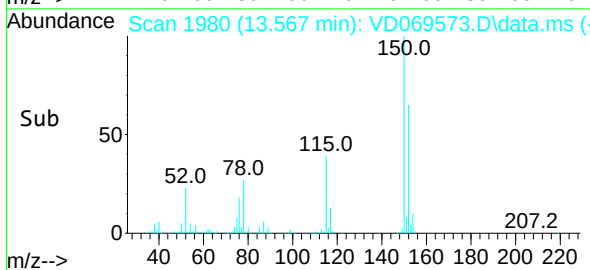
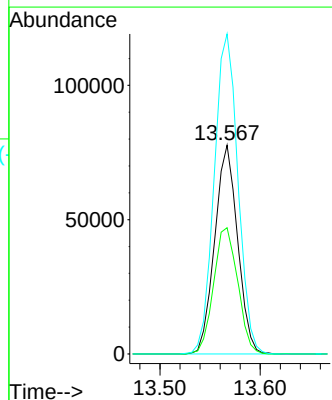
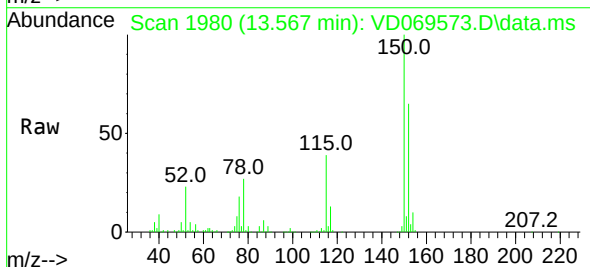
Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

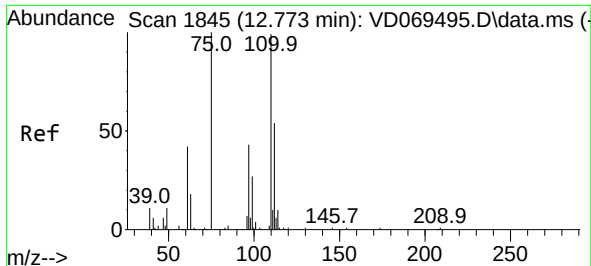
Tgt Ion:173 Resp: 1061
Ion Ratio Lower Upper
173 100
175 339.9 24.6 73.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion:152 Resp: 123025
Ion Ratio Lower Upper
152 100
115 63.8 31.7 95.1
150 158.7 0.0 350.8

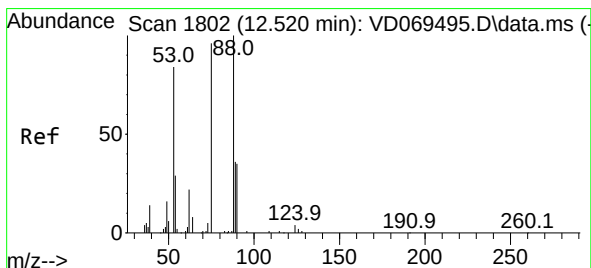
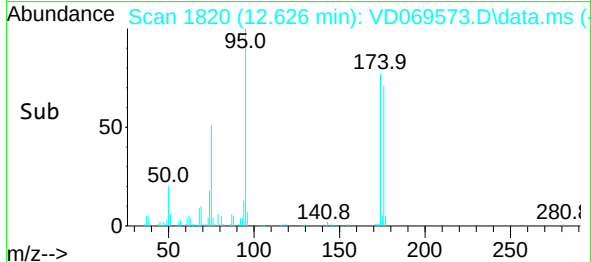
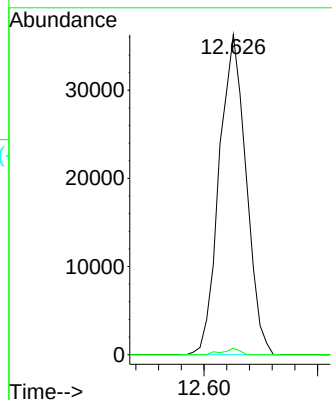
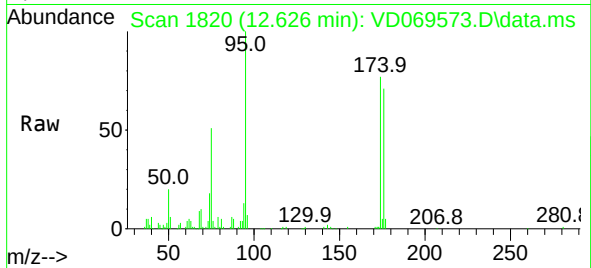




#76
1,2,3-Trichloropropane
Concen: 49.384 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Instrument :
MSVOA_D
ClientSampleId :
SB-13-9.5-10.0

Tgt Ion: 75 Resp: 59638
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.304 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069573.D
Acq: 25 Jun 2021 18:40

Tgt Ion: 75 Resp: 59638
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#

