

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069634.D
 Acq On : 08 Jul 2021 17:32
 Operator : VA/SY
 Sample : M2969-05
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:04:43 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)

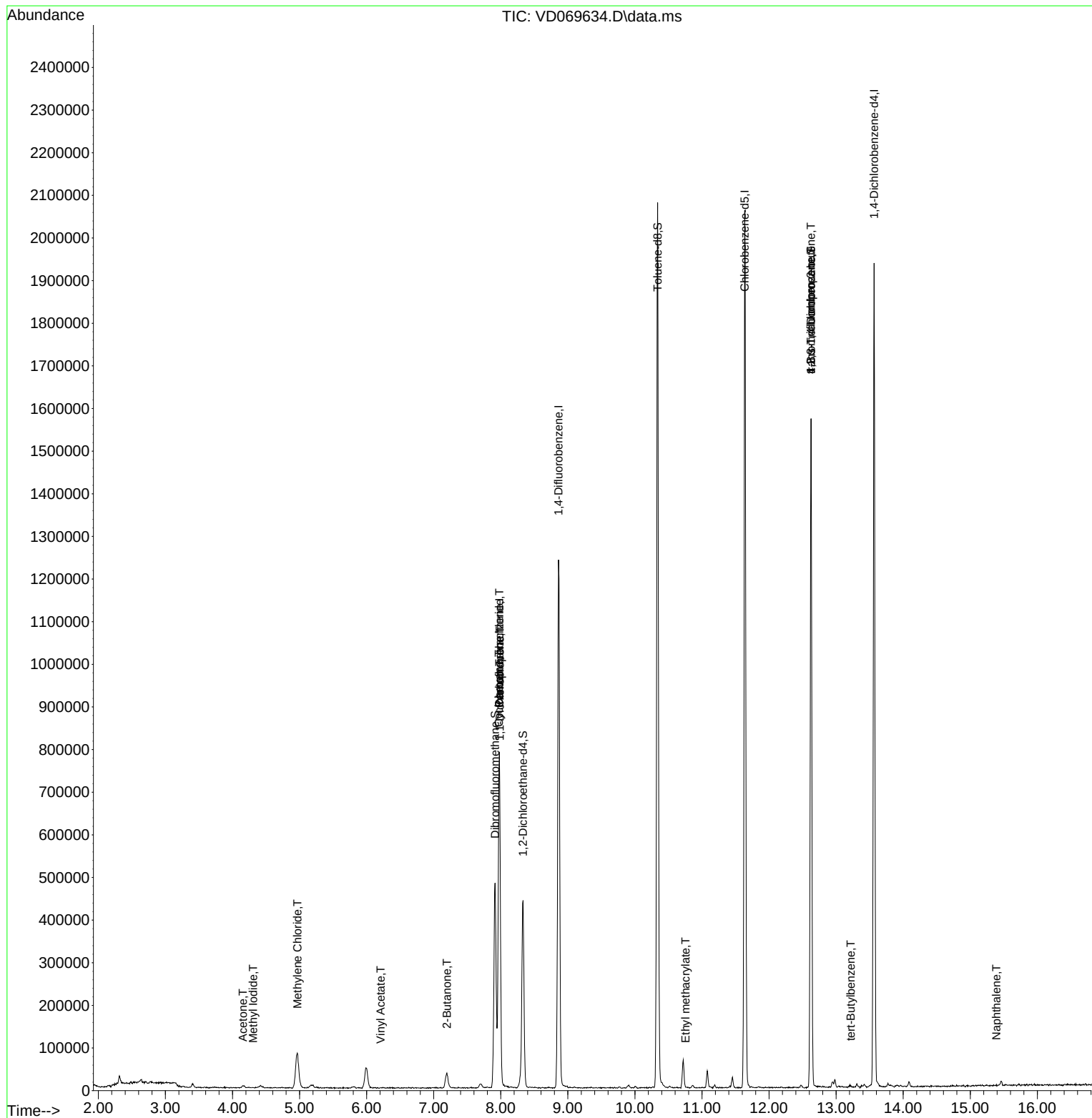
Internal Standards						
1) Pentafluorobenzene	7.979	168	544133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1058498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1164060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	491417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	340599	50.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.440%			
35) Dibromofluoromethane	7.914	113	352012	49.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.400%			
50) Toluene-d8	10.338	98	1400951	52.199	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.626	95	521224	59.073	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.140%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2899	Below Cal	#	54
10) Methyl Iodide	4.309	142	1296	4.150	ug/l #	60
11) Tert butyl alcohol	5.185	59	7317	Below Cal	#	83
16) Acetone	4.156	43	8703	7.623	ug/l #	84
18) Methyl Acetate	4.732	43	143	Below Cal	#	49
20) Methylene Chloride	4.967	84	66686	3.206	ug/l	92
23) Vinyl Acetate	6.208	43	150	19.025	ug/l #	70
25) 2-Butanone	7.197	43	2653	1.829	ug/l #	44
31) Cyclohexane	7.973	56	13492	1.477	ug/l #	27
36) 1,1-Dichloropropene	7.985	75	51571	4.964	ug/l #	50
38) Carbon Tetrachloride	7.979	117	62429	6.072	ug/l #	18
56) Ethyl methacrylate	10.755	69	163	2.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	258908	53.672	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	258908	134.012	ug/l #	12
83) tert-Butylbenzene	13.220	119	960	2.028	ug/l #	65
95) Naphthalene	15.390	128	414	3.380	ug/l #	69

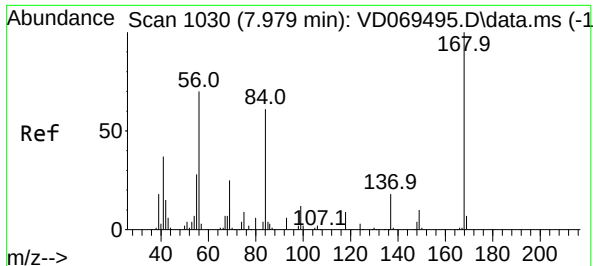
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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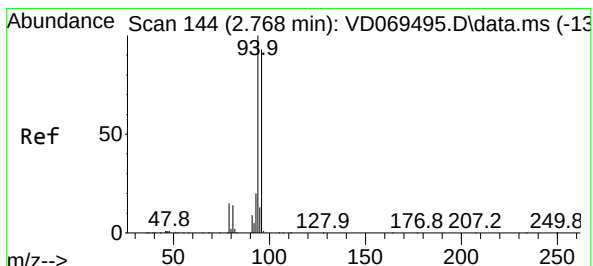
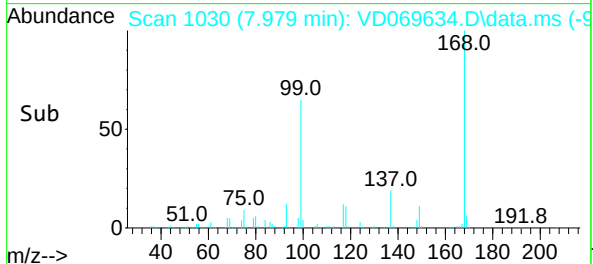
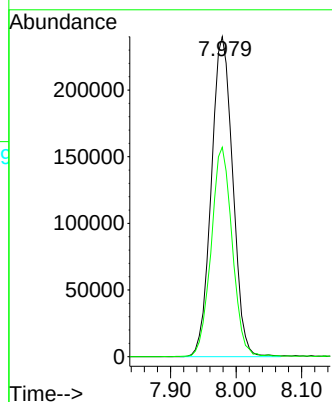
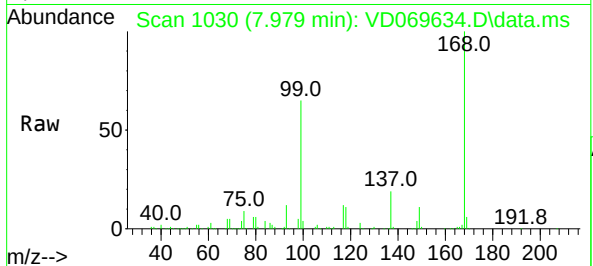




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

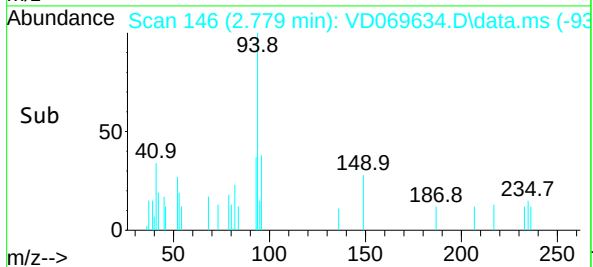
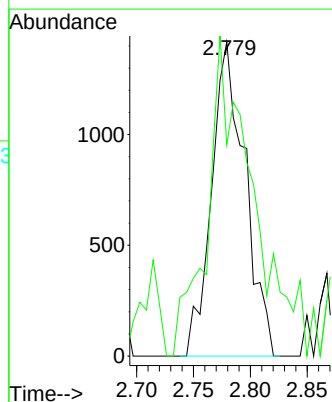
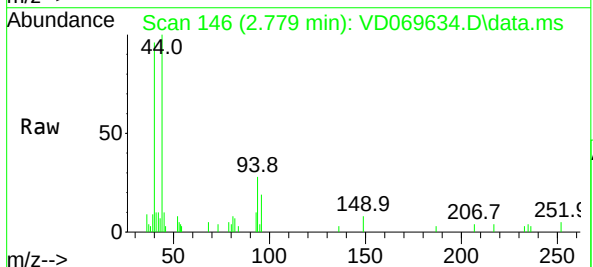
Instrument :
MSVOA_D
ClientSampleId :

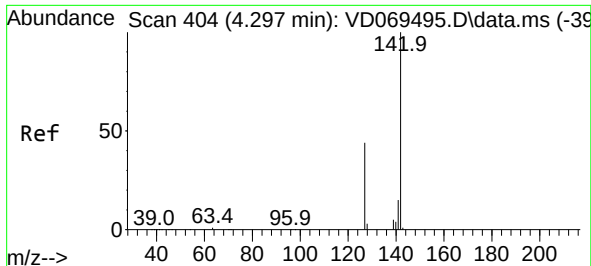
Tgt Ion:168 Resp: 544133
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

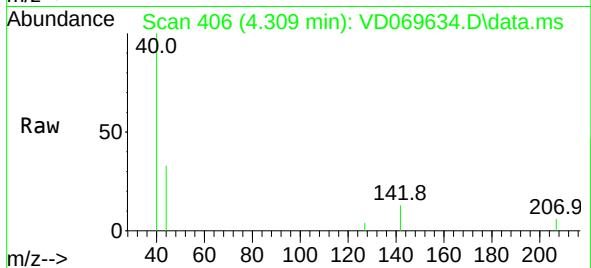
Tgt Ion: 94 Resp: 2899
Ion Ratio Lower Upper
94 100
96 48.6 74.6 111.8#



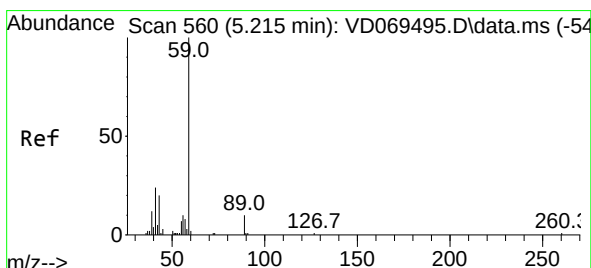
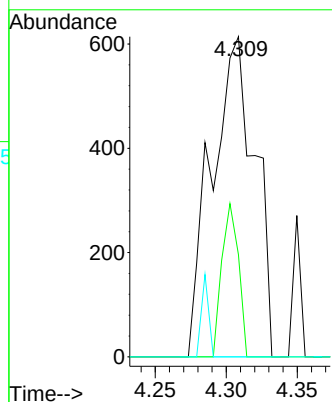
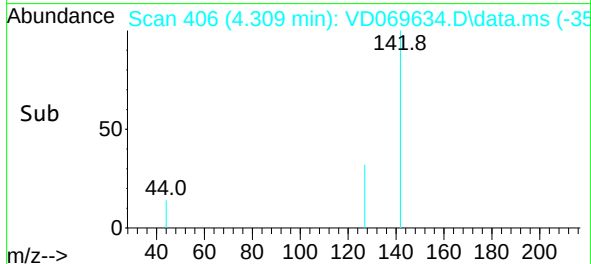


#10
Methyl Iodide
Concen: 4.150 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

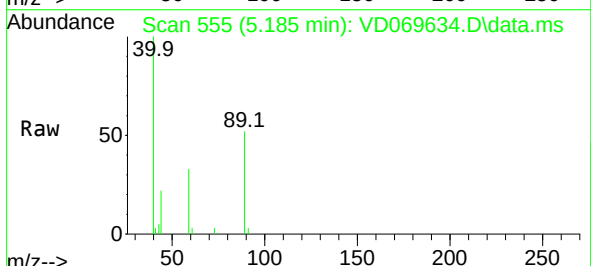
Instrument :
MSVOA_D
ClientSampled :



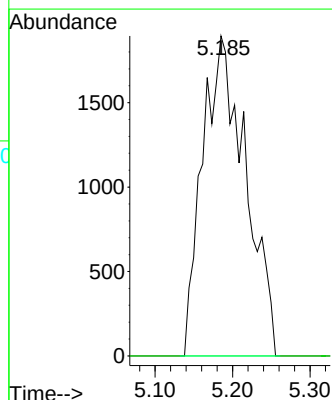
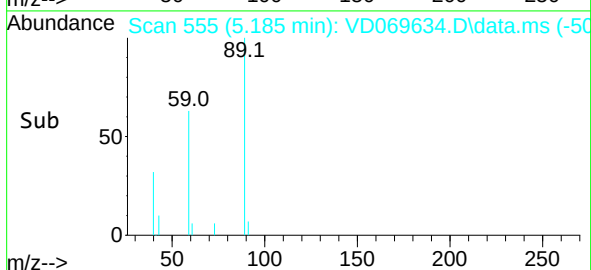
Tgt Ion:142 Resp: 1296
Ion Ratio Lower Upper
142 100
127 18.4 36.5 54.7#
141 0.0 12.0 18.0#

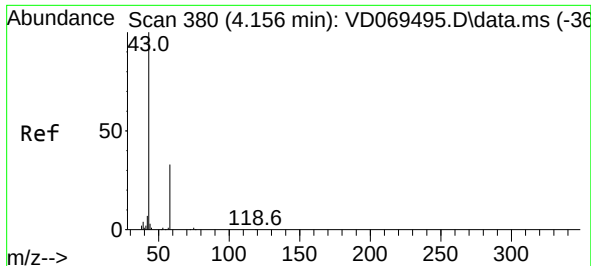


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32



Tgt Ion: 59 Resp: 7317
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

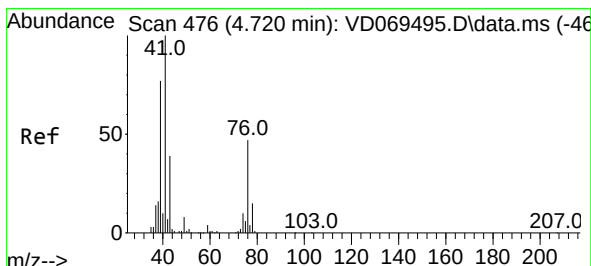
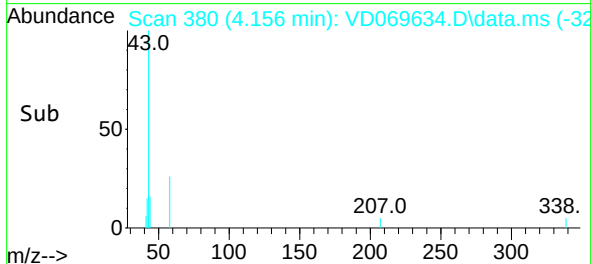
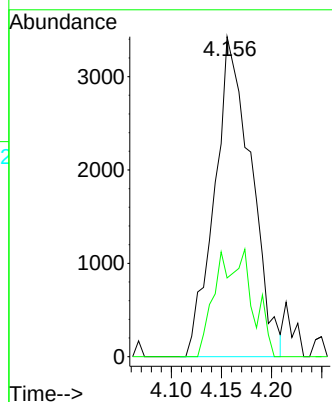
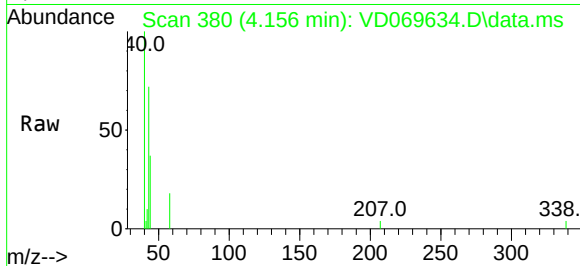




#16
Acetone
Concen: 7.623 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

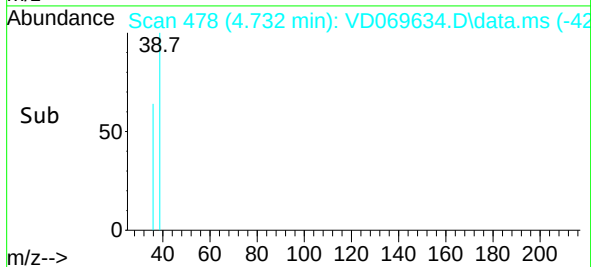
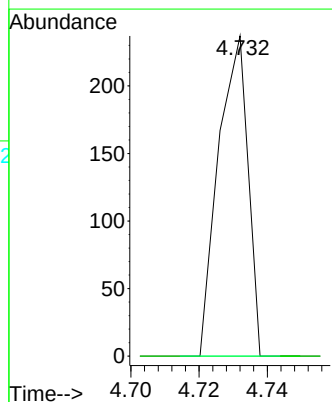
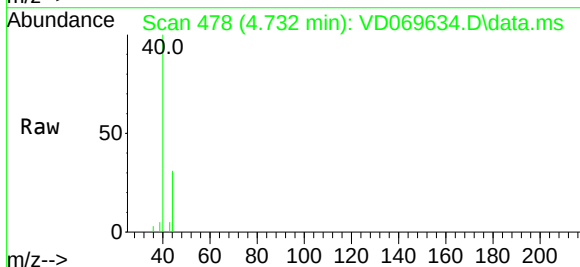
Instrument :
MSVOA_D
ClientSampleId :

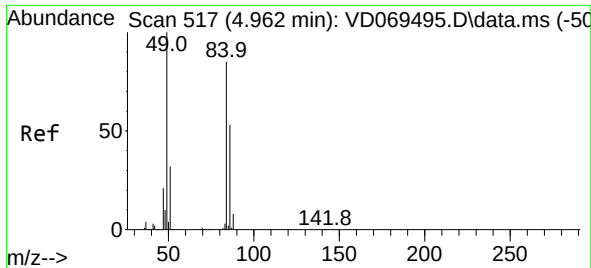
Tgt Ion: 43 Resp: 8703
Ion Ratio Lower Upper
43 100
58 24.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

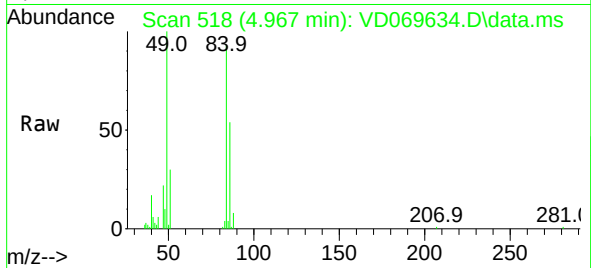
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



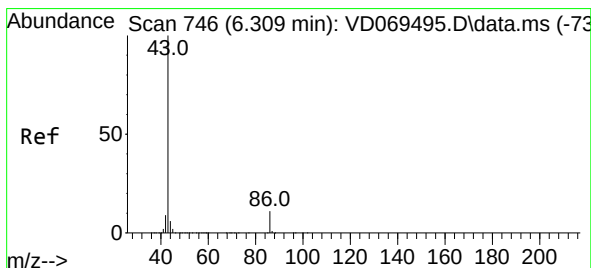
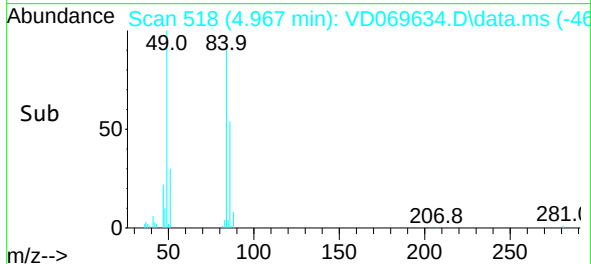
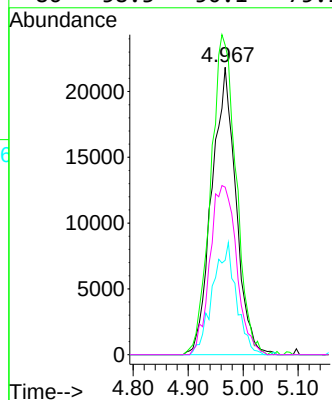


#20
Methylene Chloride
Concen: 3.206 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

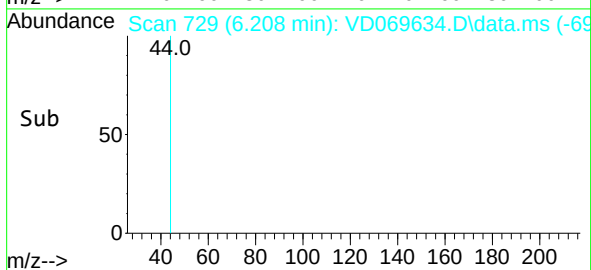
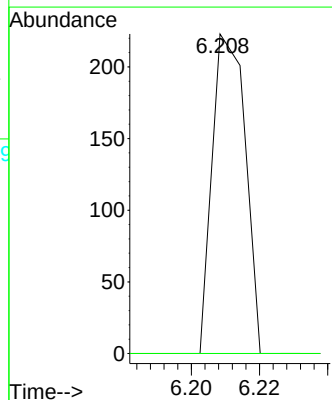
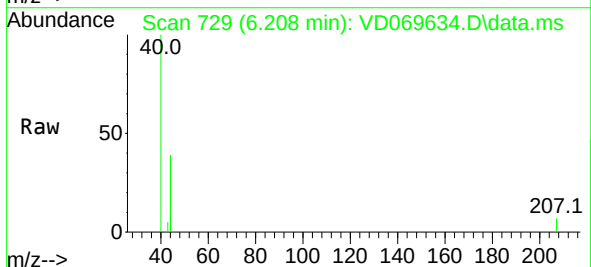


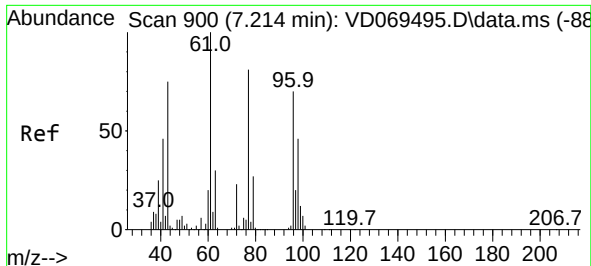
Tgt Ion:	84	Resp:	66686
Ion	Ratio	Lower	Upper
84	100		
49	107.7	94.0	141.0
51	32.8	29.7	44.5
86	58.3	50.1	75.1



#23
Vinyl Acetate
Concen: 19.025 ug/l
RT: 6.208 min Scan# 729
Delta R.T. -0.101 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

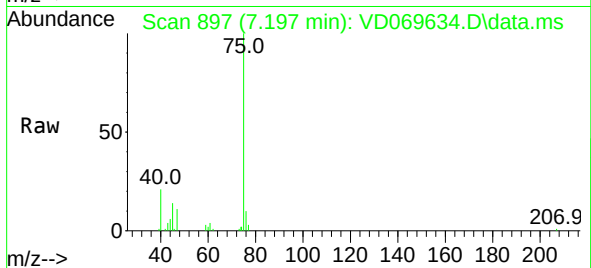
Tgt Ion:	43	Resp:	150
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



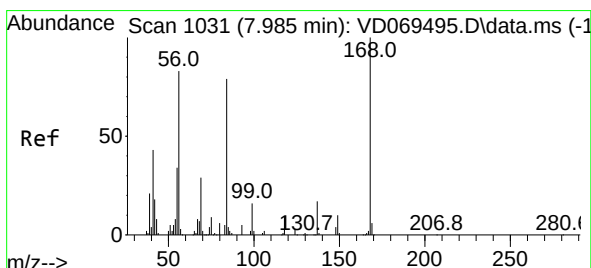
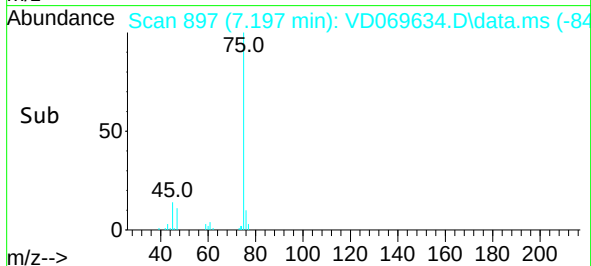
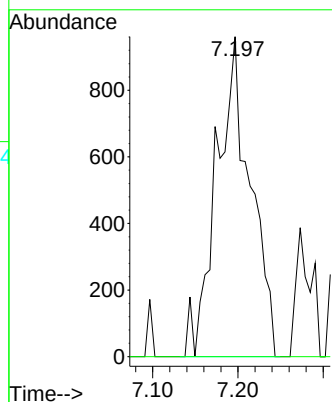


#25
2-Butanone
Concen: 1.829 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

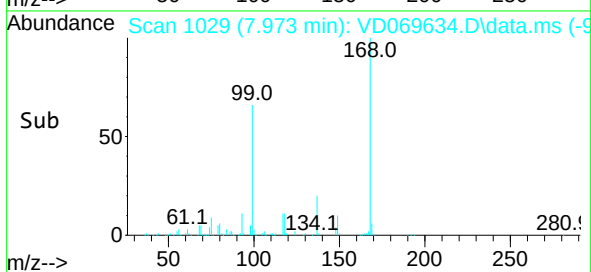
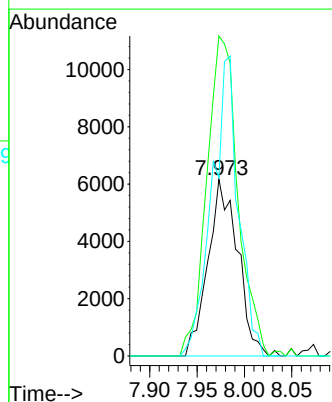
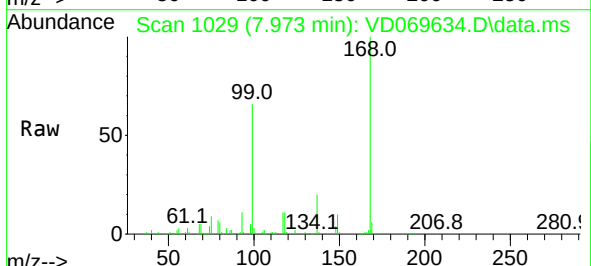


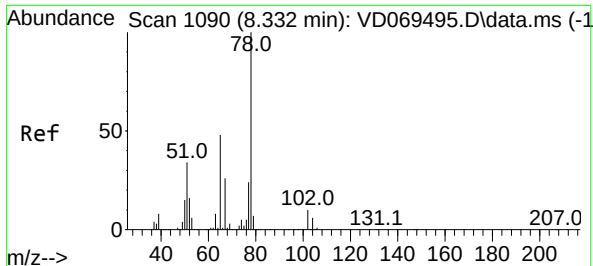
Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion: 56 Resp: 13492
Ion Ratio Lower Upper
56 100
69 181.2 28.0 42.0#
84 101.0 75.7 113.5

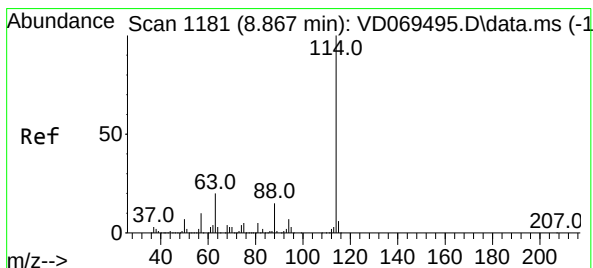
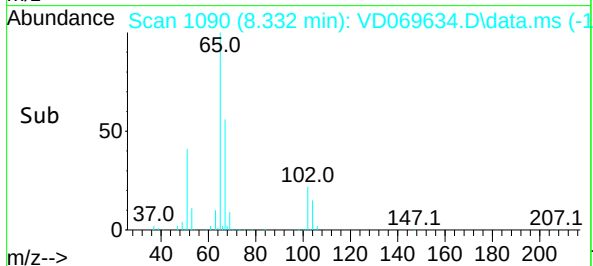
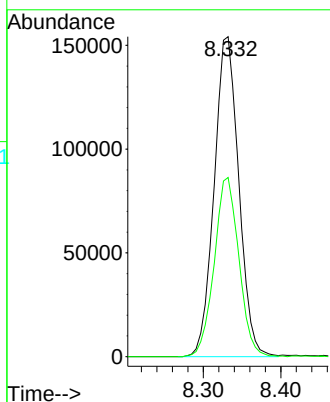
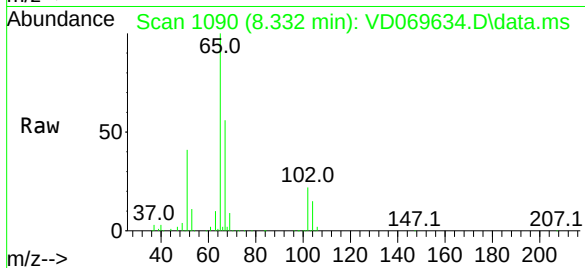




#33
1,2-Dichloroethane-d4
Concen: 50.217 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

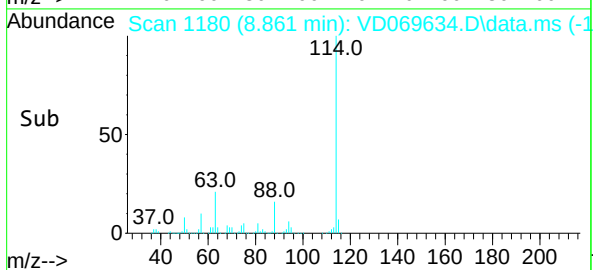
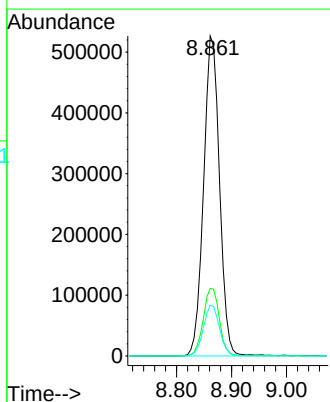
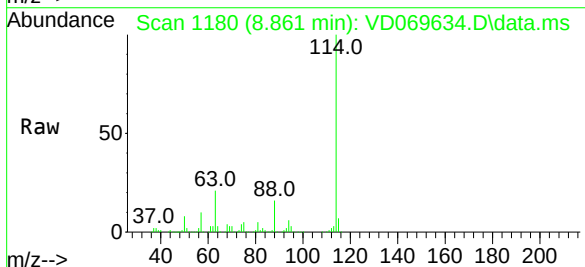
Instrument :
MSVOA_D
ClientSampleId :

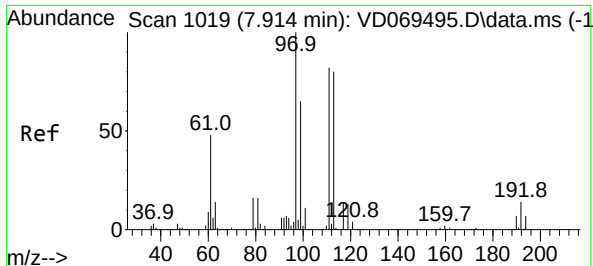
Tgt Ion: 65 Resp: 340599
Ion Ratio Lower Upper
65 100
67 56.1 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion: 114 Resp: 1058498
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.6
88 15.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.196 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069634.D

Acq: 08 Jul 2021 17:32

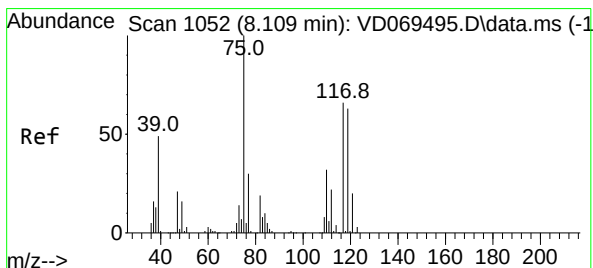
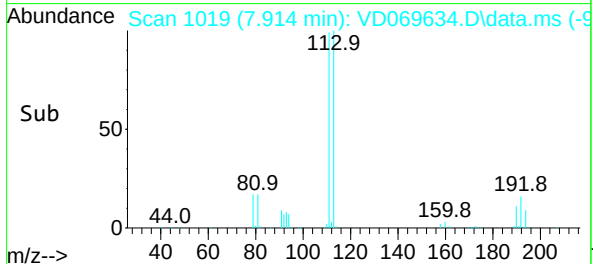
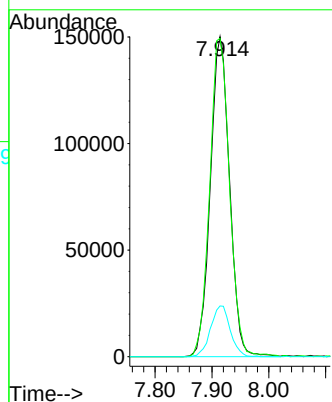
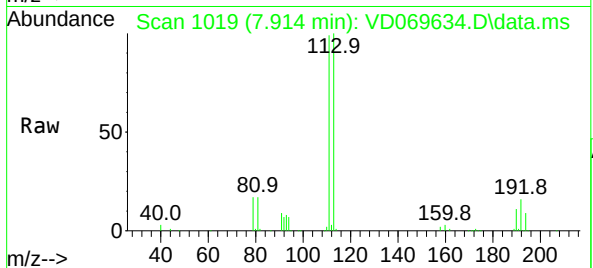
Tgt Ion:113 Resp: 352012

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 16.2 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.964 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.124 min

Lab File: VD069634.D

Acq: 08 Jul 2021 17:32

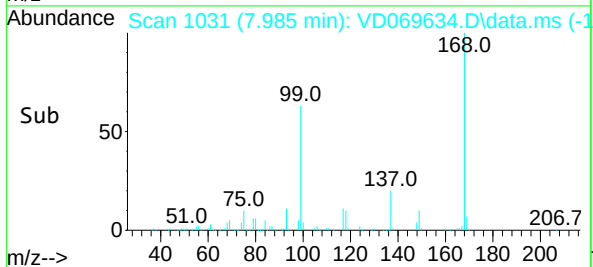
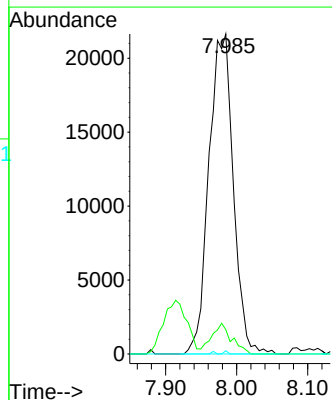
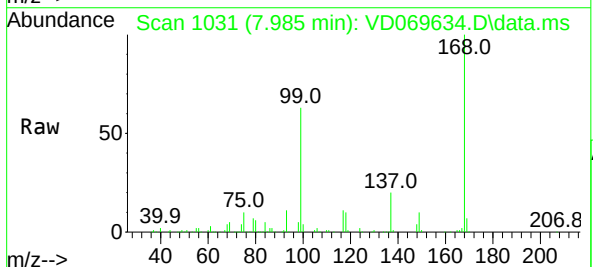
Tgt Ion: 75 Resp: 51571

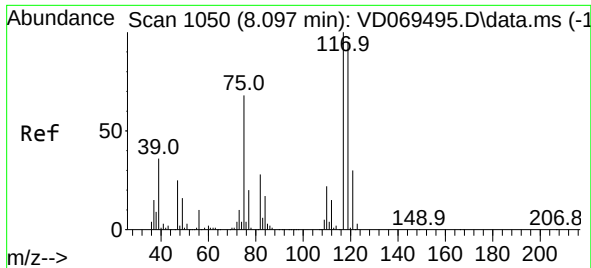
Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.4#

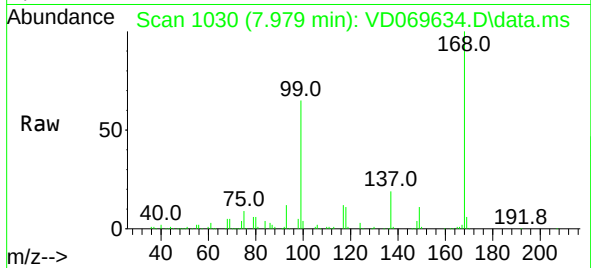
77 0.1 24.3 36.5#



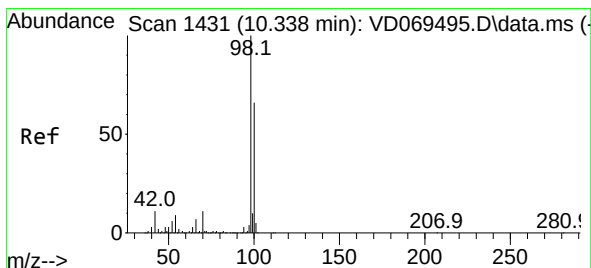
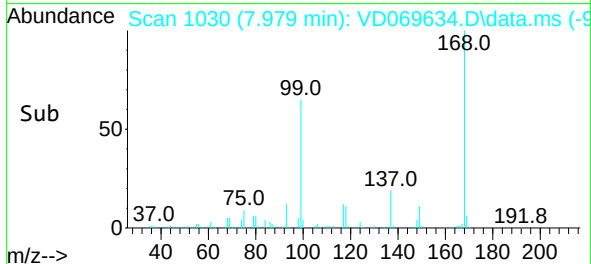
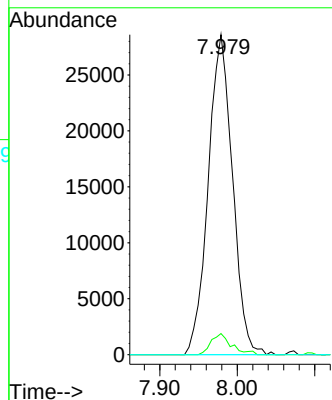


#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

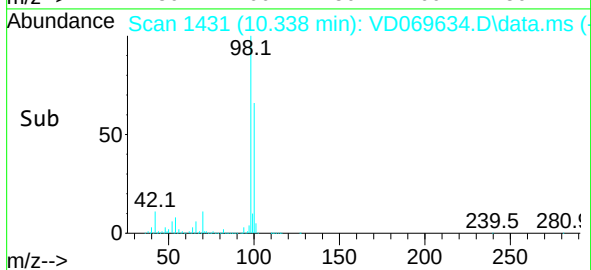
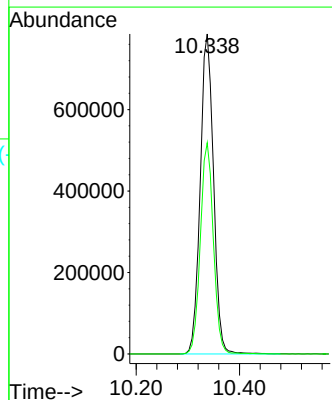
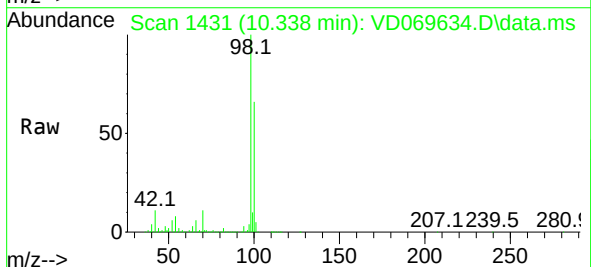


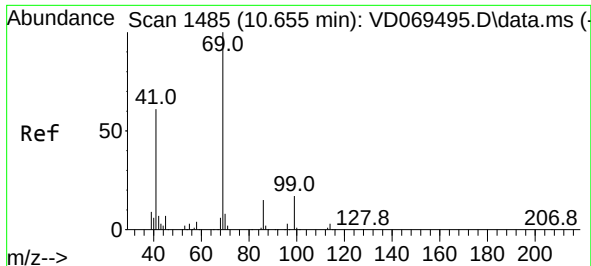
Tgt Ion:117 Resp: 62429
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.199 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion: 98 Resp: 1400951
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

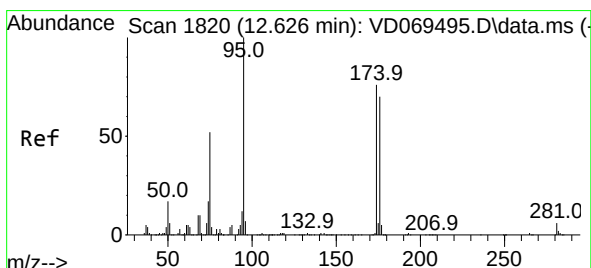
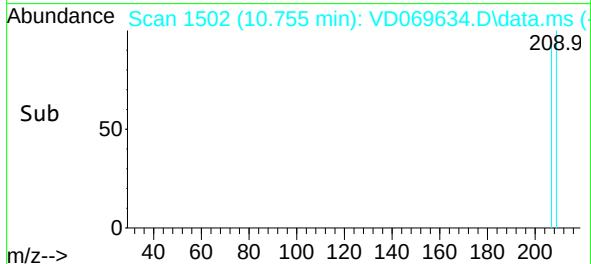
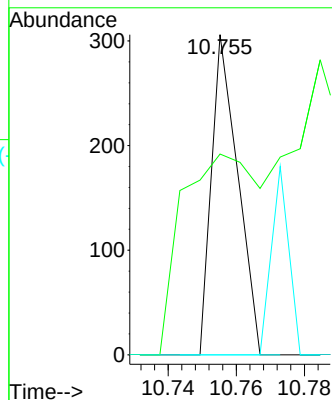
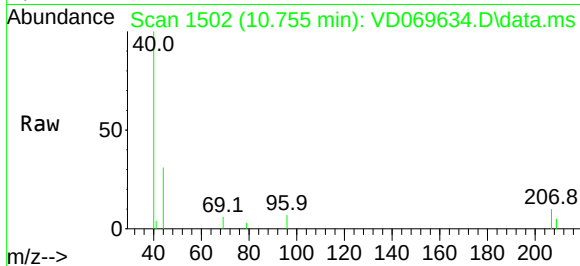




#56
Ethyl methacrylate
Concen: 2.604 ug/l
RT: 10.755 min Scan# 1502
Delta R.T. 0.100 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

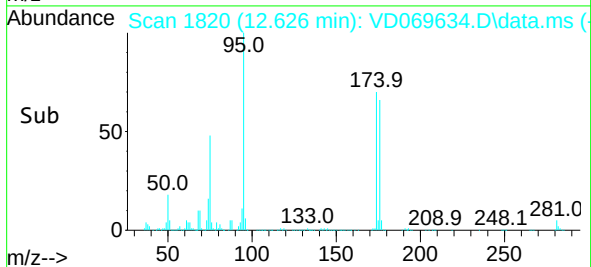
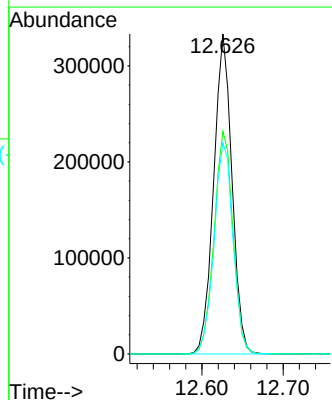
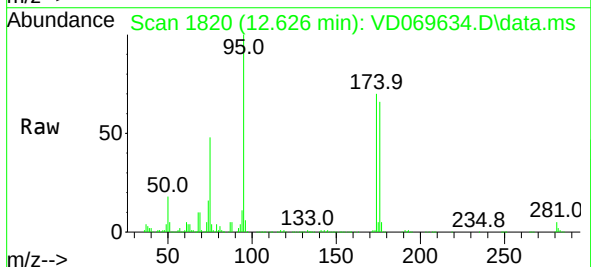
Instrument :
MSVOA_D
ClientSampleId :

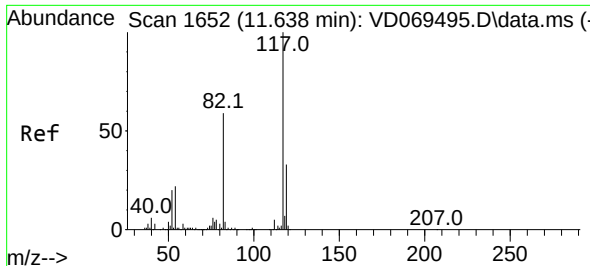
Tgt Ion: 69 Resp: 163
Ion Ratio Lower Upper
69 100
41 185.9 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 59.073 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion: 95 Resp: 521224
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 68.7 0.0 139.8

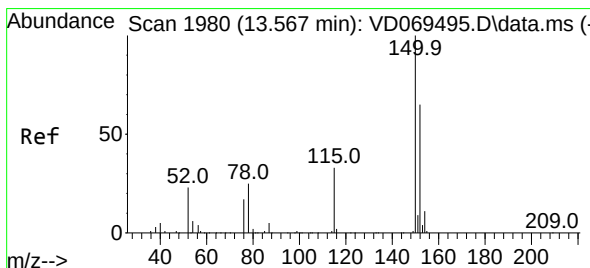
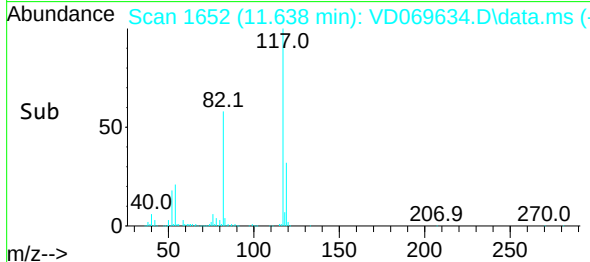
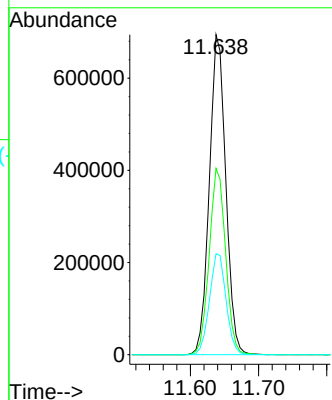
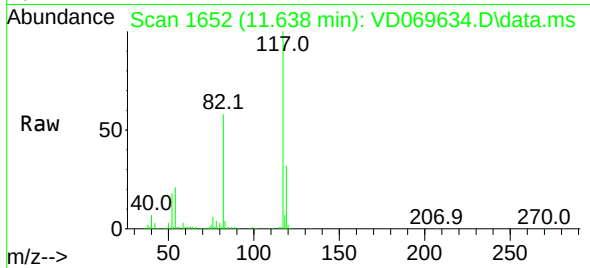




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

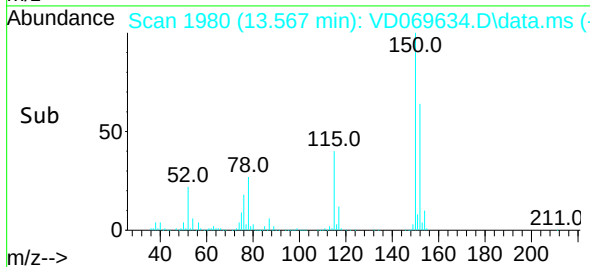
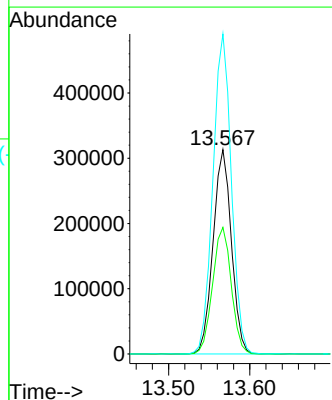
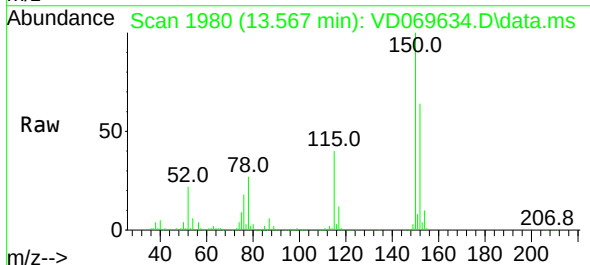
Instrument :
MSVOA_D
ClientSampleId :

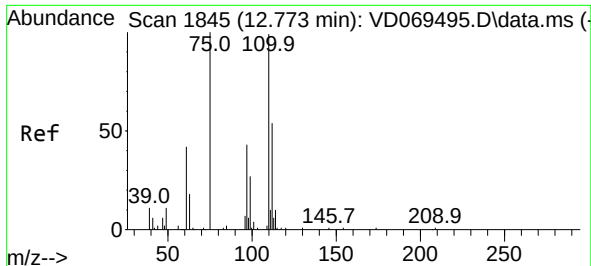
Tgt Ion:117 Resp: 1164060
Ion Ratio Lower Upper
117 100
82 58.2 46.8 70.2
119 31.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion:152 Resp: 491417
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 157.5 0.0 350.8

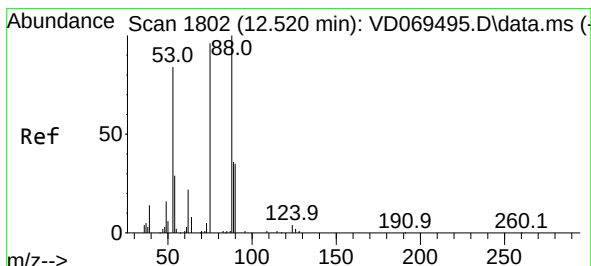
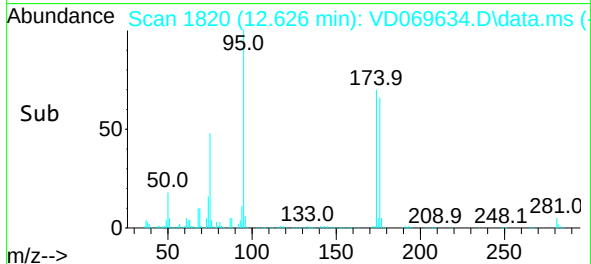
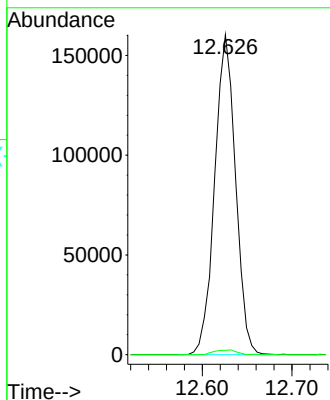
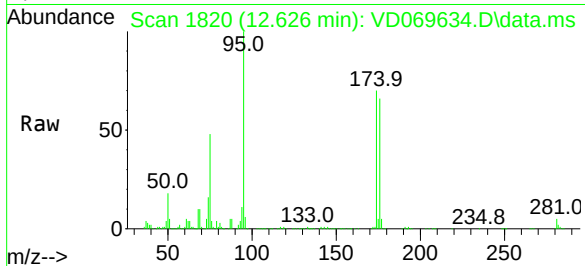




#76
1,2,3-Trichloropropane
Concen: 53.672 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

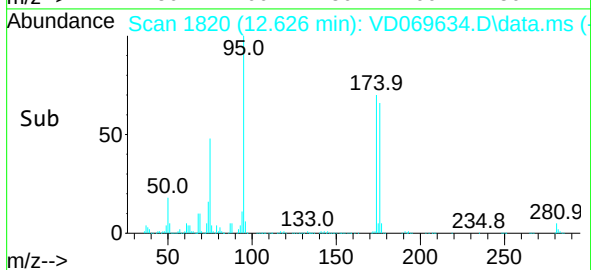
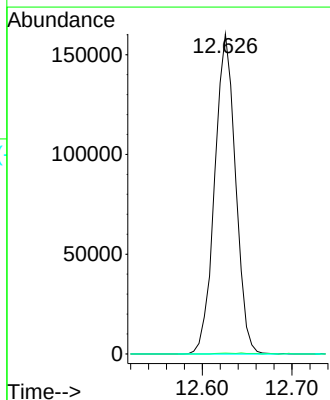
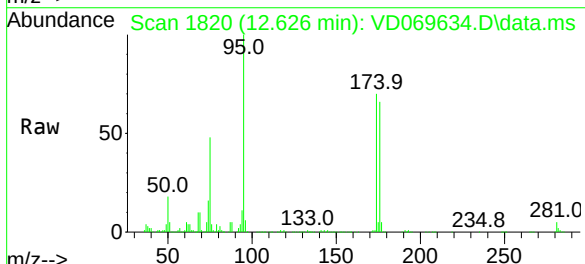
Instrument :
MSVOA_D
ClientSampleId :

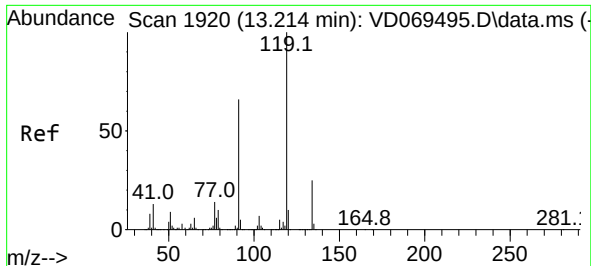
Tgt Ion: 75 Resp: 258908
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.012 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion: 75 Resp: 258908
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#

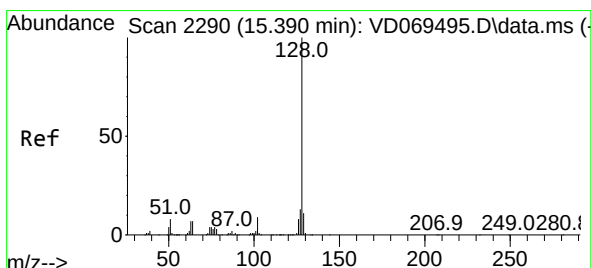
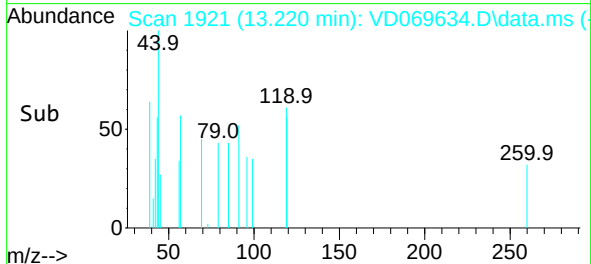
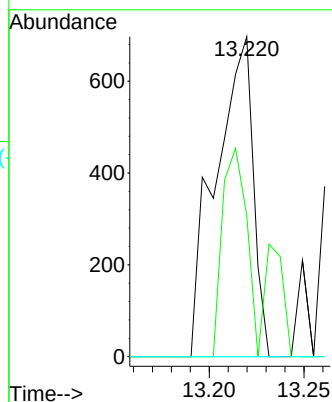
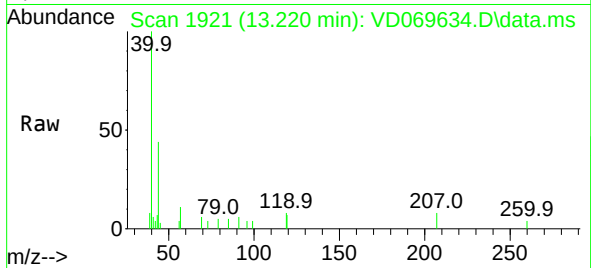




#83
tert-Butylbenzene
Concen: 2.028 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 960
Ion Ratio Lower Upper
119 100
91 42.1 32.5 97.4
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.380 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069634.D
Acq: 08 Jul 2021 17:32

Tgt Ion:128 Resp: 414
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

