

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069517.D
 Acq On : 22 Jun 2021 15:44
 Operator : VA/SY
 Sample : M2773-03
 Misc : 4.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:28:39 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)

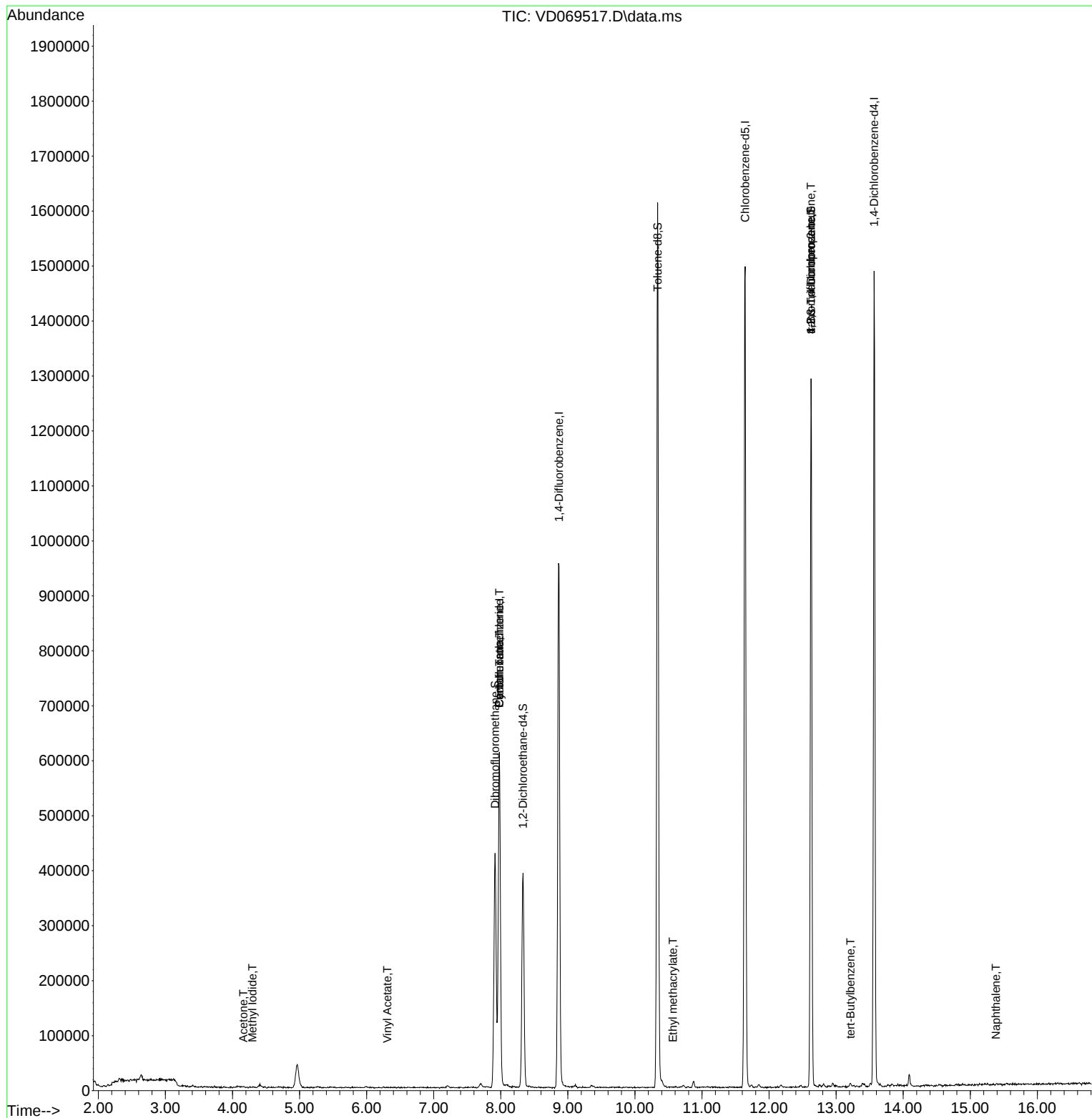
Internal Standards						
1) Pentafluorobenzene	7.979	168	414079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	835146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	872041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	371380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	315772	61.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.360%			
35) Dibromofluoromethane	7.914	113	306026	54.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.420%			
50) Toluene-d8	10.338	98	1088129	51.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.626	95	379928	54.575	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.140%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	1511	Below Cal		90
10) Methyl Iodide	4.297	142	761	4.102 ug/l #		59
11) Tert butyl alcohol	5.220	59	285	Below Cal #		83
16) Acetone	4.162	43	1809	2.082 ug/l #		67
18) Methyl Acetate	4.744	43	54	Below Cal #		49
20) Methylene Chloride	4.962	84	32972	Below Cal		94
23) Vinyl Acetate	6.309	43	60	19.018 ug/l #		70
31) Cyclohexane	7.979	56	11814	1.700 ug/l #		1
38) Carbon Tetrachloride	7.979	117	47062	5.802 ug/l #		19
56) Ethyl methacrylate	10.567	69	57	2.591 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	197183	54.088 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	197183	135.051 ug/l #		13
83) tert-Butylbenzene	13.214	119	1828	2.083 ug/l		92
95) Naphthalene	15.384	128	713	3.412 ug/l #		69

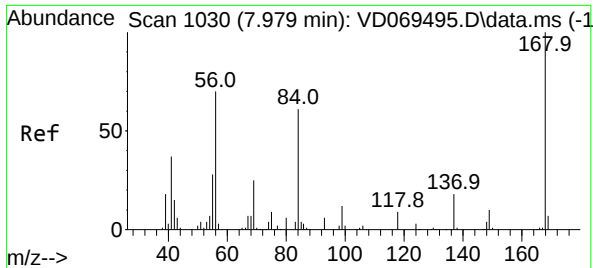
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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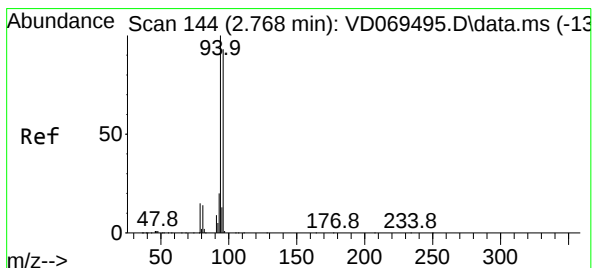
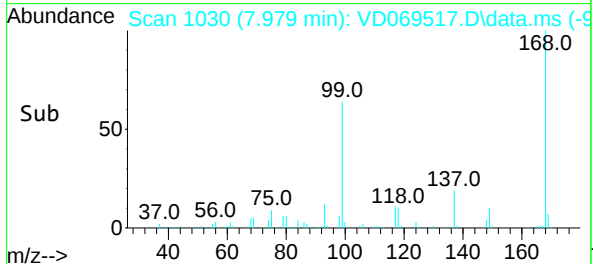
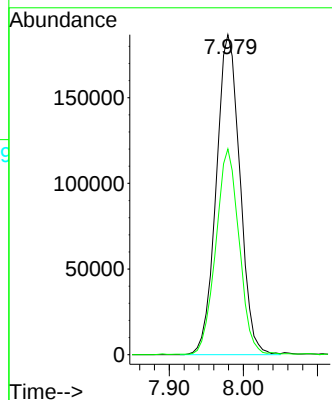
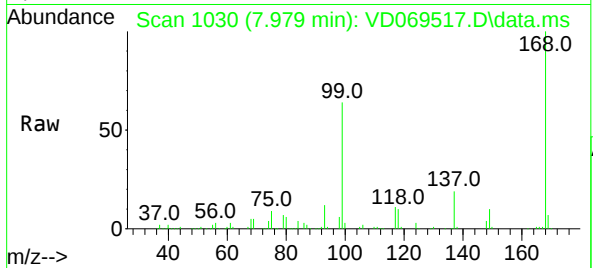




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

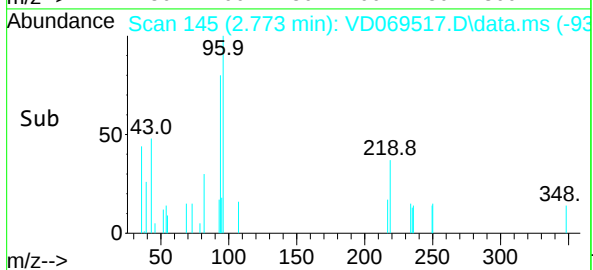
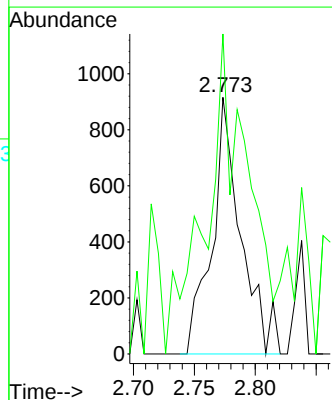
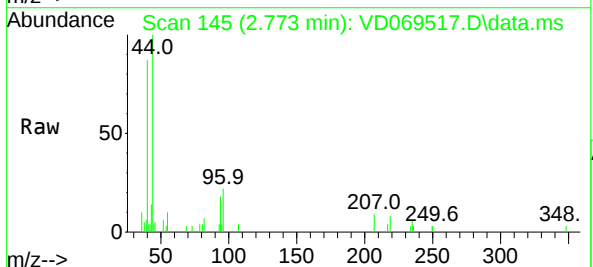
Instrument :
MSVOA_D
ClientSampleId :

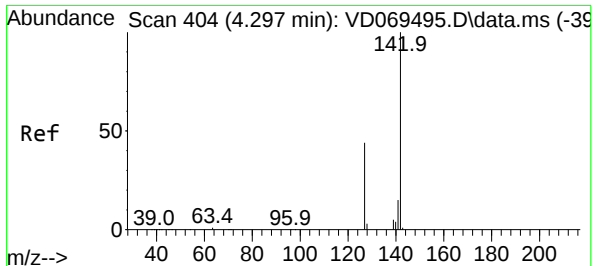
Tgt Ion:168 Resp: 414079
Ion Ratio Lower Upper
168 100
99 64.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 94 Resp: 1511
Ion Ratio Lower Upper
94 100
96 103.3 74.6 111.8

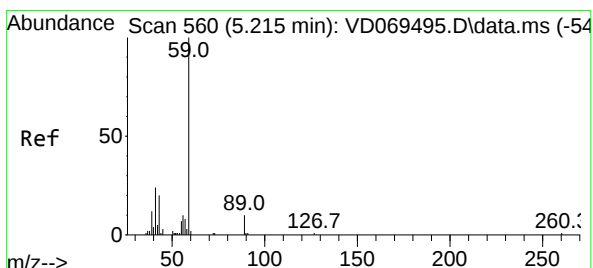
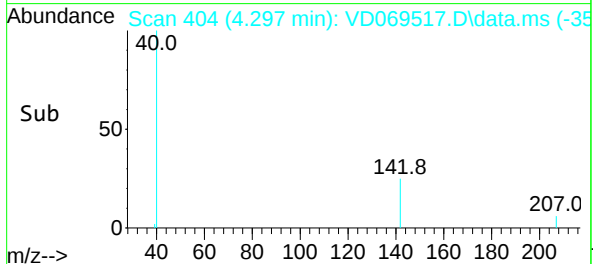
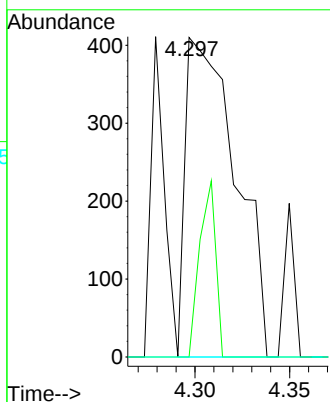
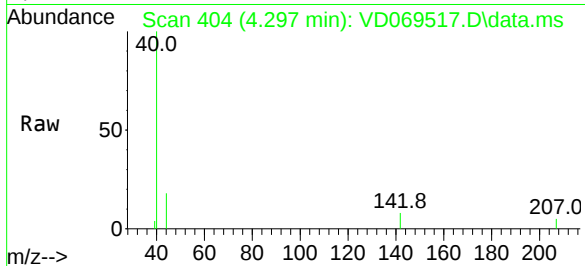




#10
Methyl Iodide
Concen: 4.102 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

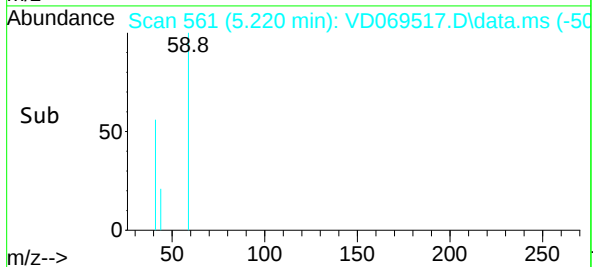
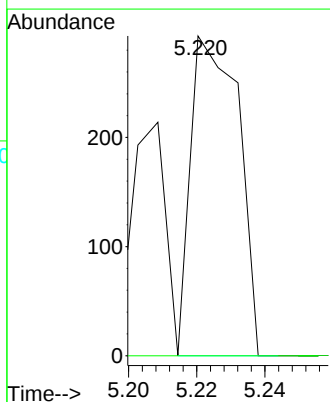
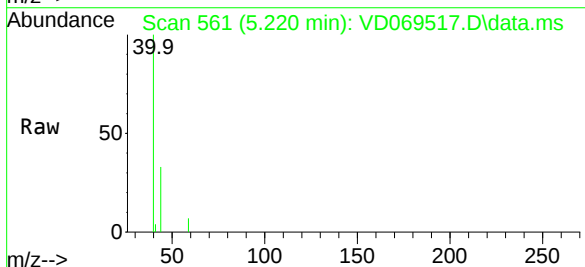
Instrument :
MSVOA_D
ClientSampleId :

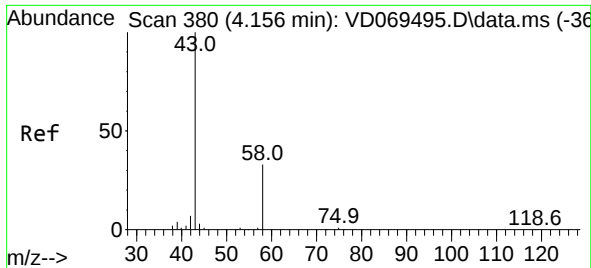
Tgt Ion:142 Resp: 761
Ion Ratio Lower Upper
142 100
127 17.5 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

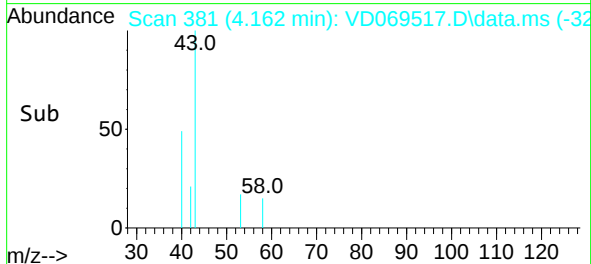
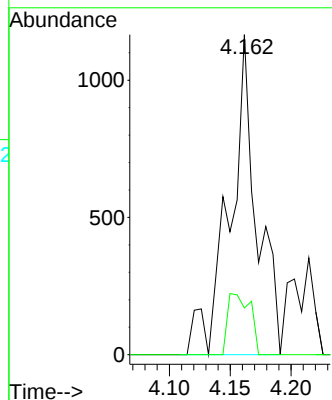
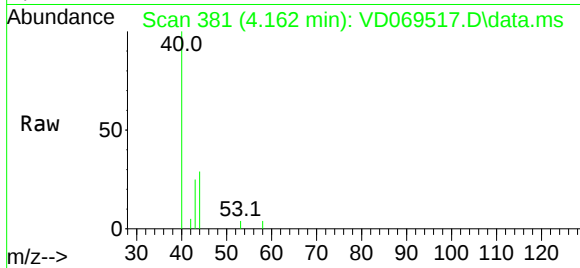




#16
Acetone
Concen: 2.082 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

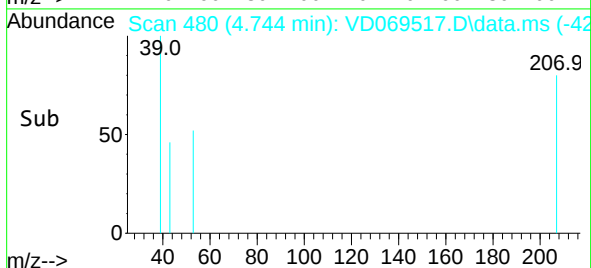
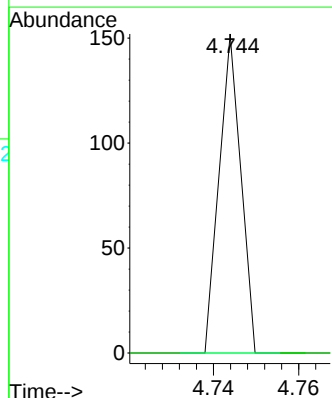
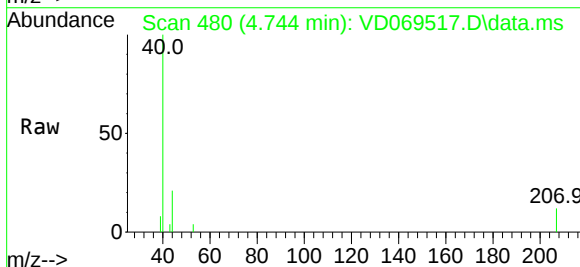
Instrument :
MSVOA_D
ClientSampleId :

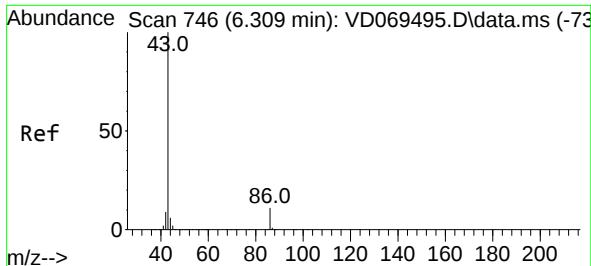
Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
58 14.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 480
Delta R.T. 0.024 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

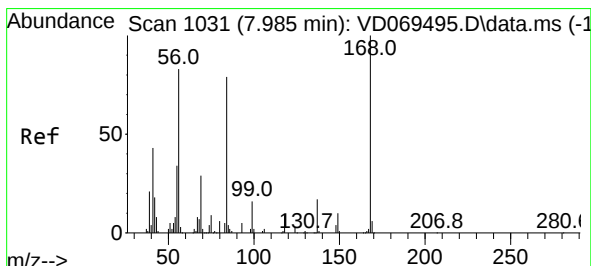
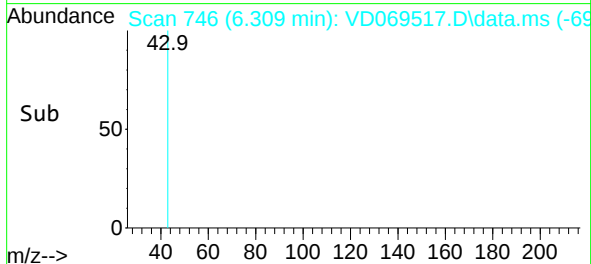
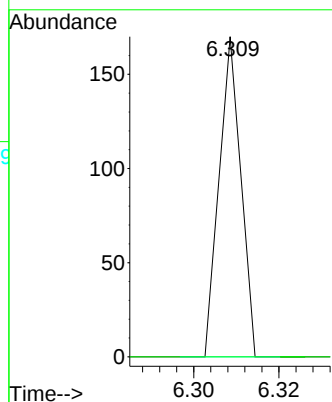
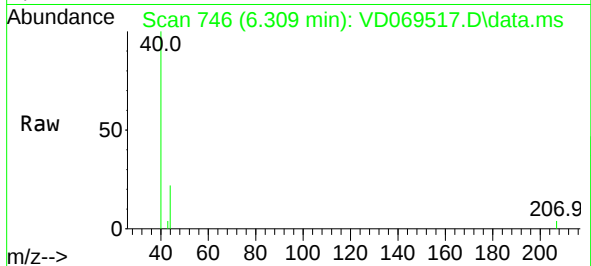




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD069517.D
 Acq: 22 Jun 2021 15:44

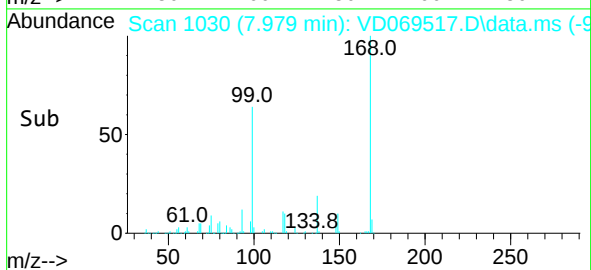
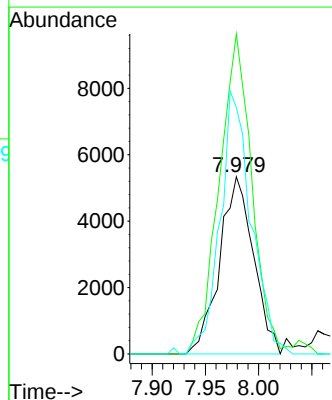
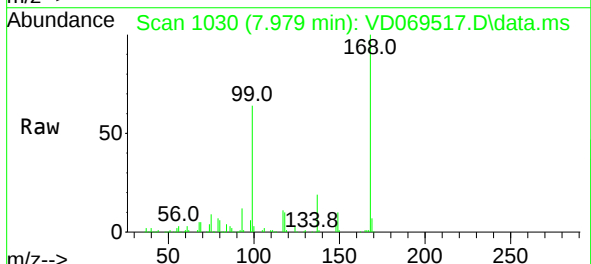
Instrument :
 MSVOA_D
 ClientSampleId :

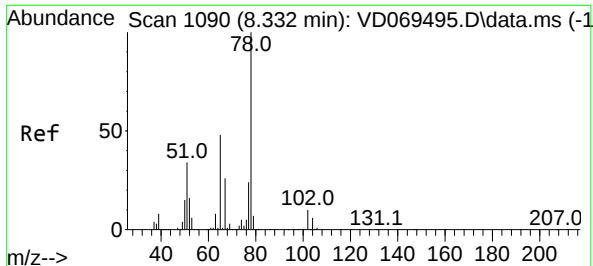
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.700 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069517.D
 Acq: 22 Jun 2021 15:44

Tgt Ion: 56 Resp: 11814
 Ion Ratio Lower Upper
 56 100
 69 180.6 28.0 42.0#
 84 139.0 75.7 113.5#



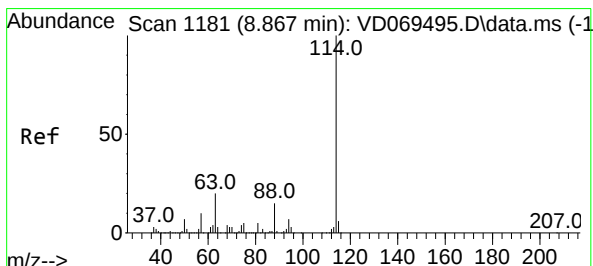
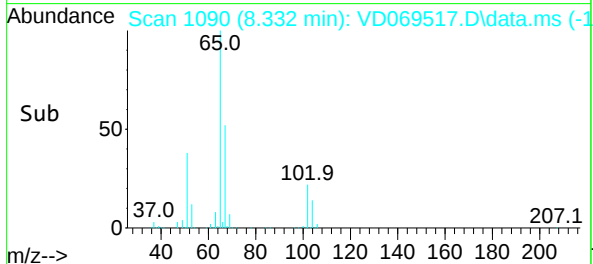
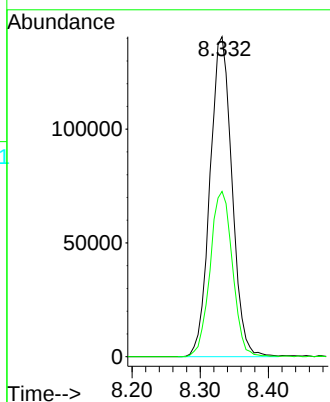
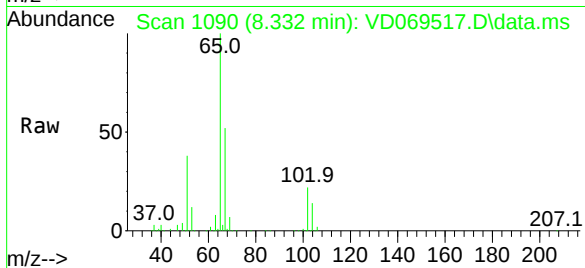


#33

1,2-Dichloroethane-d4
Concen: 61.179 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

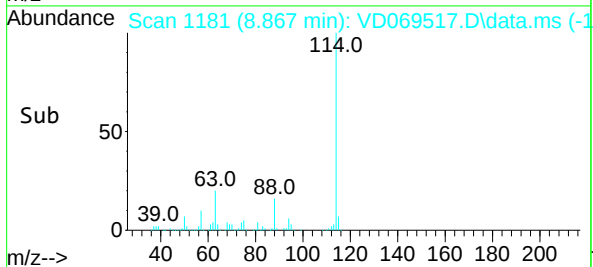
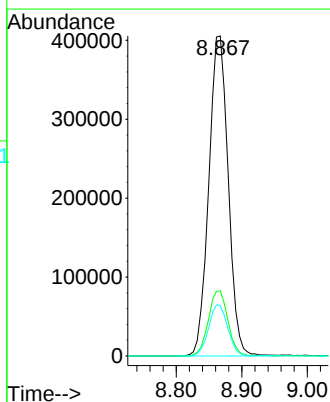
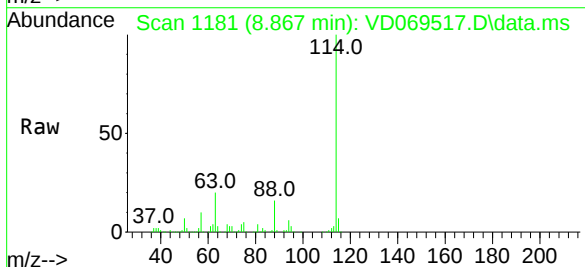
Tgt Ion: 65 Resp: 315772
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6

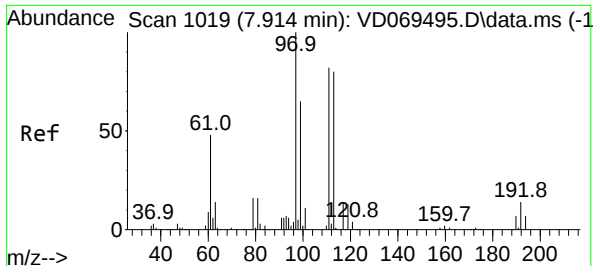


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 114 Resp: 835146
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.6
88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.208 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069517.D

Acq: 22 Jun 2021 15:44

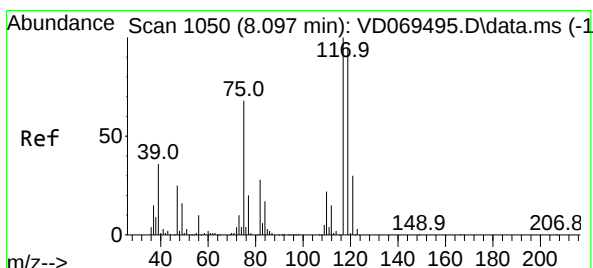
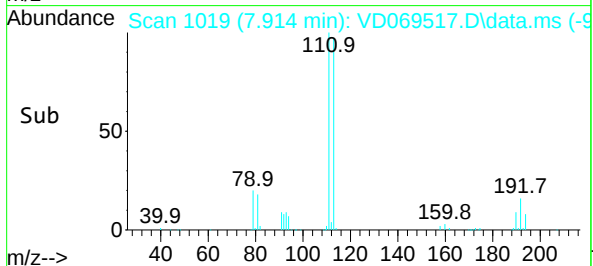
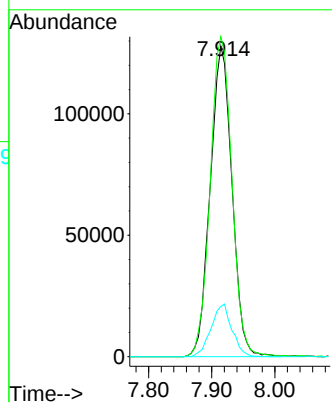
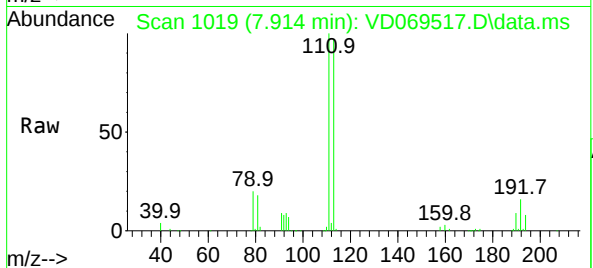
Tgt Ion:113 Resp: 306026

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 16.3 13.8 20.6



#38

Carbon Tetrachloride

Concen: 5.802 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069517.D

Acq: 22 Jun 2021 15:44

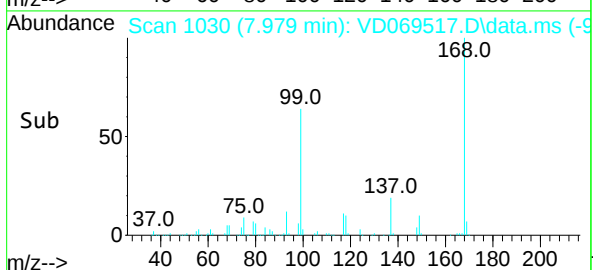
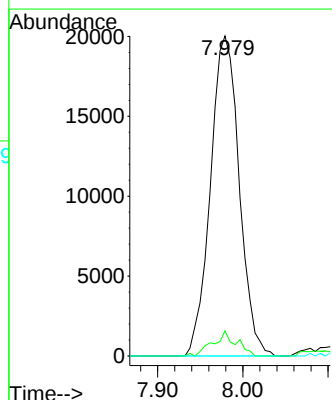
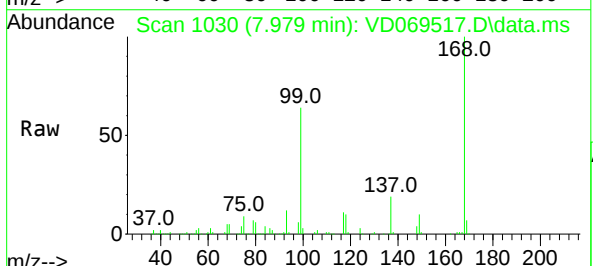
Tgt Ion:117 Resp: 47062

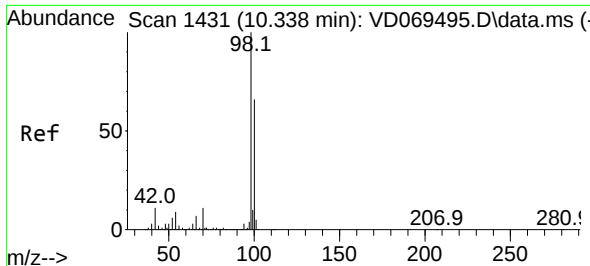
Ion Ratio Lower Upper

117 100

119 7.9 75.6 113.4#

121 0.0 23.8 35.8#

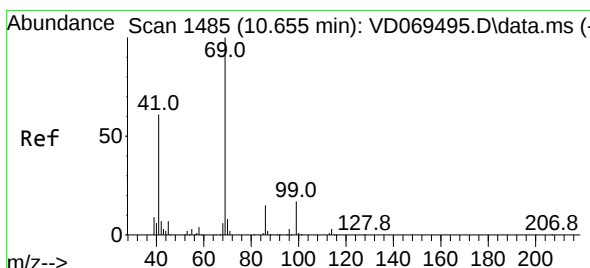
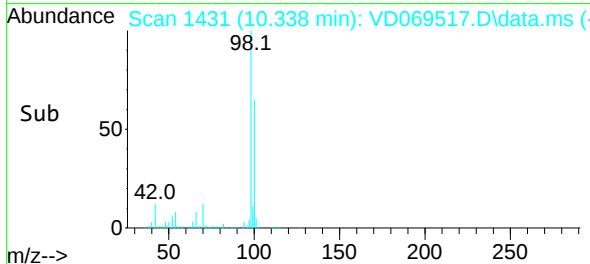
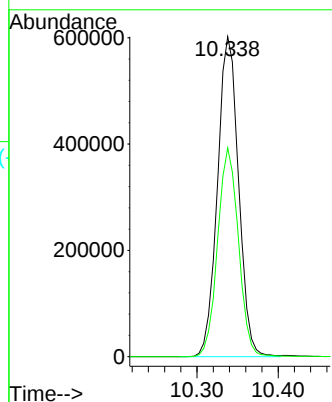
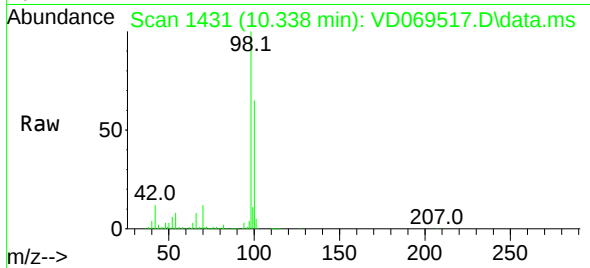




#50
Toluene-d8
Concen: 51.386 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

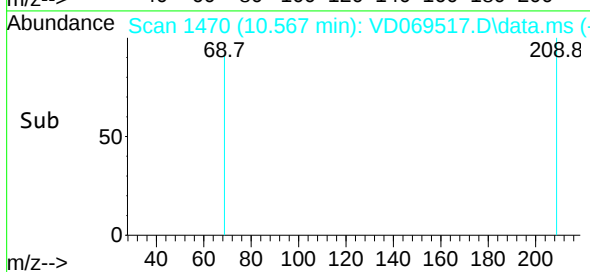
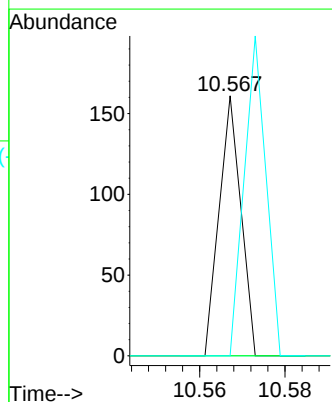
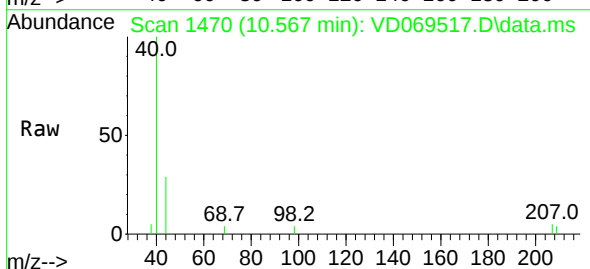
Instrument :
MSVOA_D
ClientSampled :

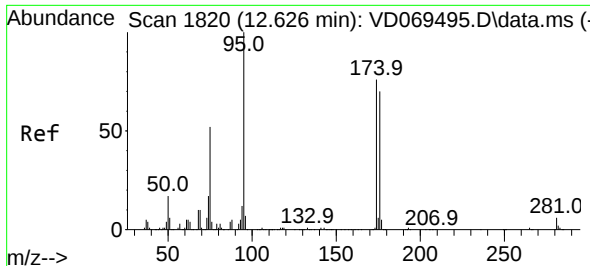
Tgt Ion: 98 Resp: 1088129
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.591 ug/l
RT: 10.567 min Scan# 1470
Delta R.T. -0.088 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 122.8 26.9 40.3#

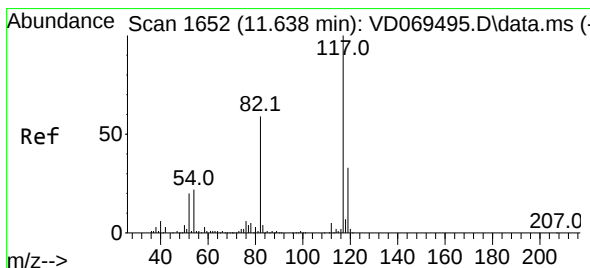
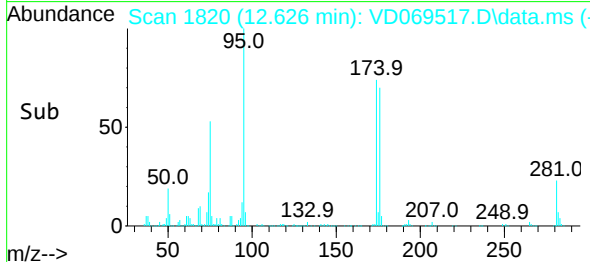
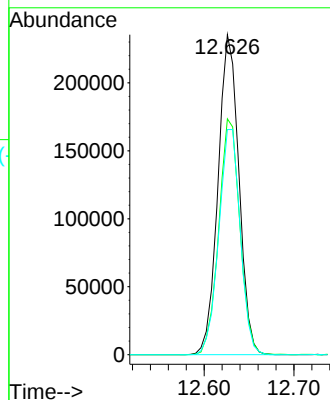
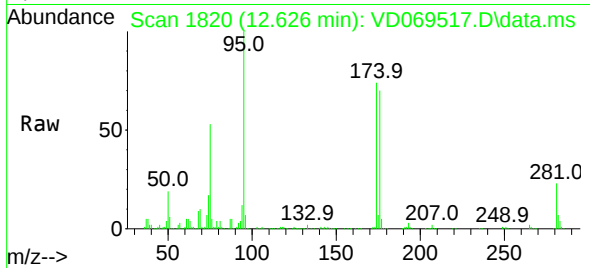




#62
4-Bromofluorobenzene
Concen: 54.575 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

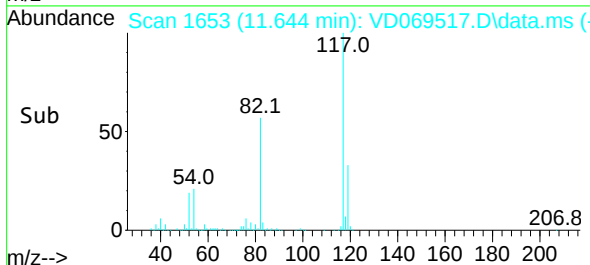
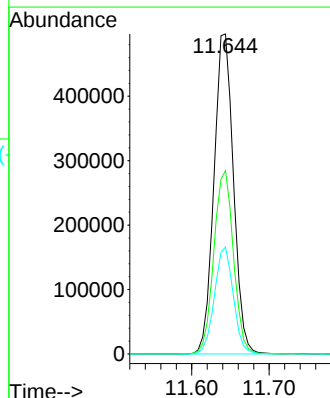
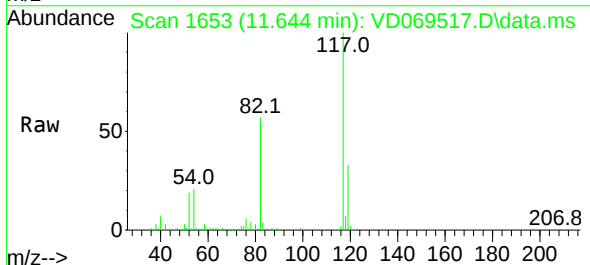
Instrument :
MSVOA_D
ClientSampleId :

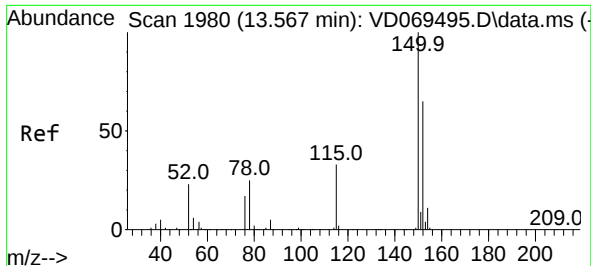
Tgt Ion: 95 Resp: 379928
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.0
176 72.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Tgt Ion: 117 Resp: 872041
Ion Ratio Lower Upper
117 100
82 57.3 46.8 70.2
119 33.5 26.2 39.2

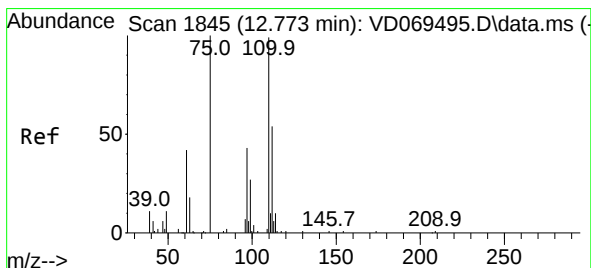
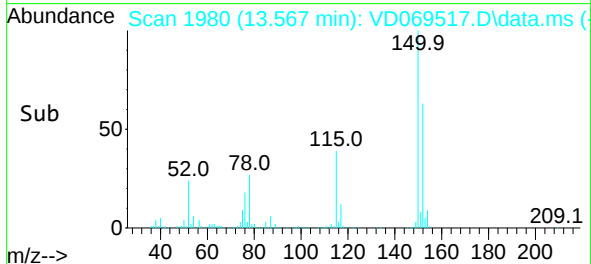
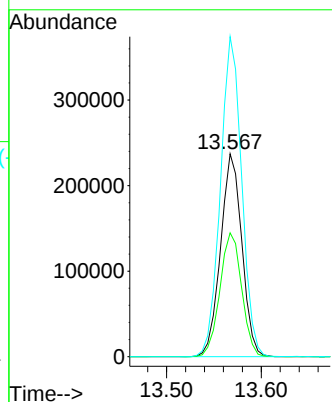
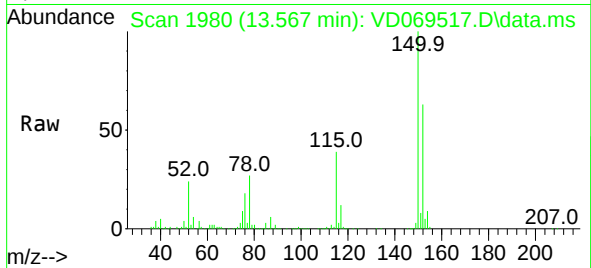




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

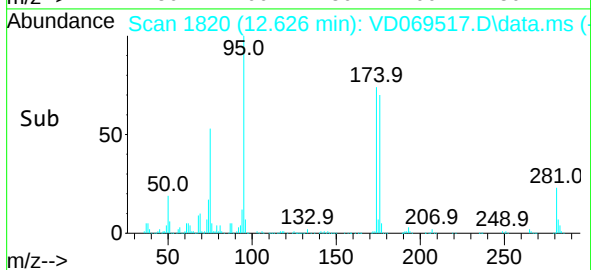
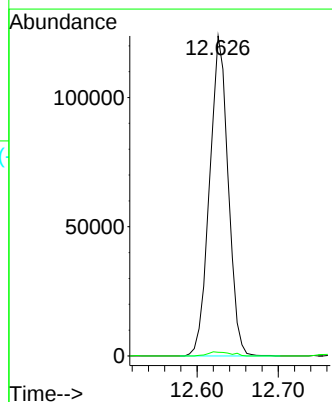
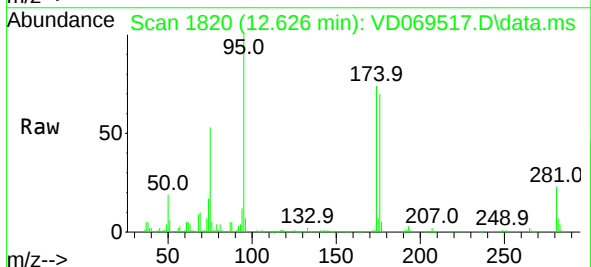
Instrument :
MSVOA_D
ClientSampleId :

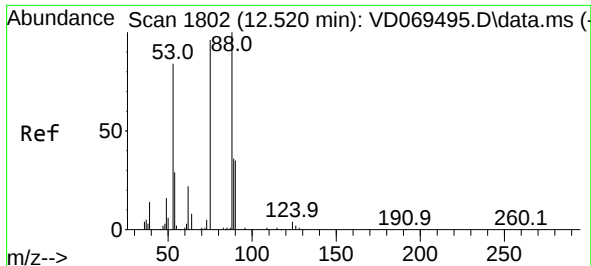
Tgt Ion:152 Resp: 371380
Ion Ratio Lower Upper
152 100
115 62.3 31.7 95.1
150 157.5 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 54.088 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

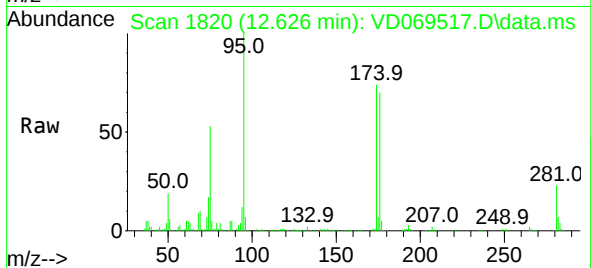
Tgt Ion: 75 Resp: 197183
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



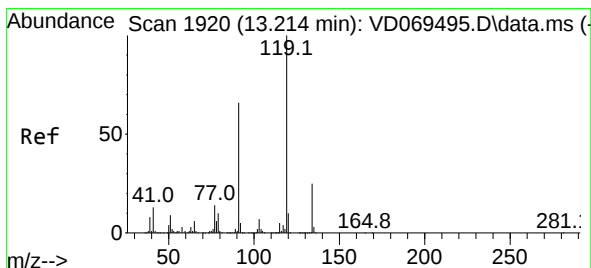
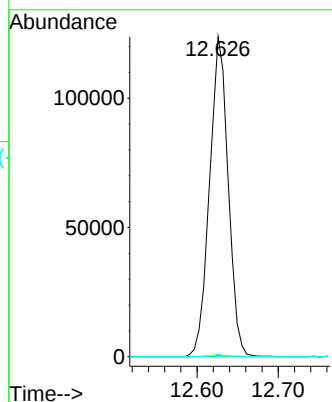
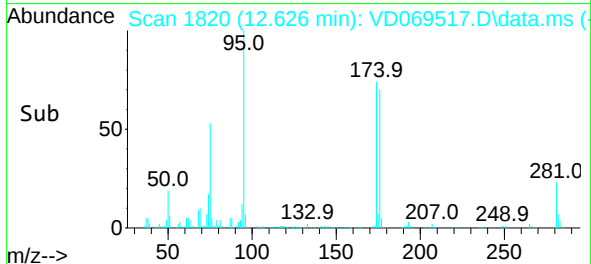


#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.051 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069517.D
 Acq: 22 Jun 2021 15:44

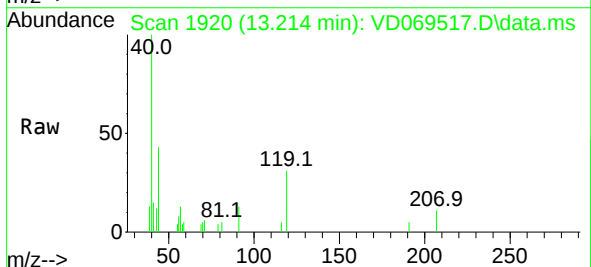
Instrument :
 MSVOA_D
 ClientSampleId :



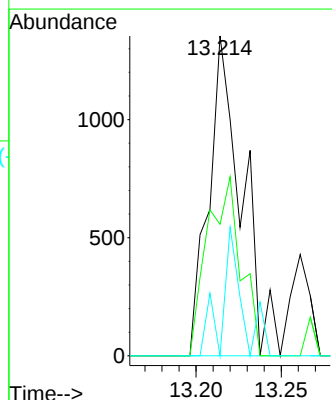
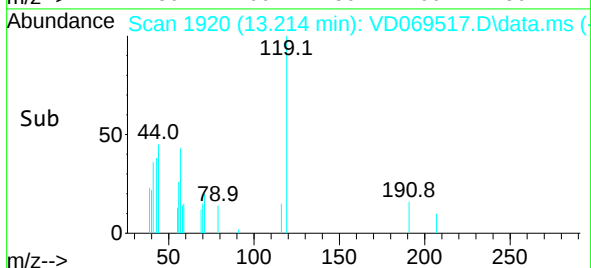
Tgt Ion: 75 Resp: 197183
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.5 35.3 52.9#

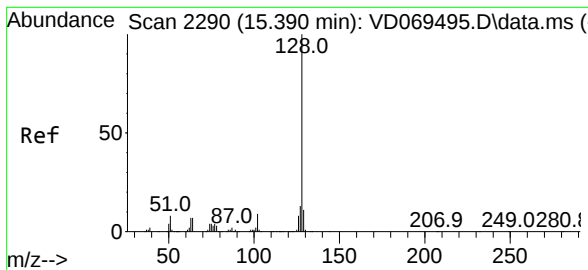


#83
 tert-Butylbenzene
 Concen: 2.083 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069517.D
 Acq: 22 Jun 2021 15:44



Tgt Ion: 119 Resp: 1828
 Ion Ratio Lower Upper
 119 100
 91 56.6 32.5 97.4
 134 24.8 12.9 38.7





#95
Naphthalene
Concen: 3.412 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069517.D
Acq: 22 Jun 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 713
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

