

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069872.D
 Acq On : 27 Jul 2021 17:51
 Operator : VA/SY
 Sample : M3186-06
 Misc : 5.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 04:00:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

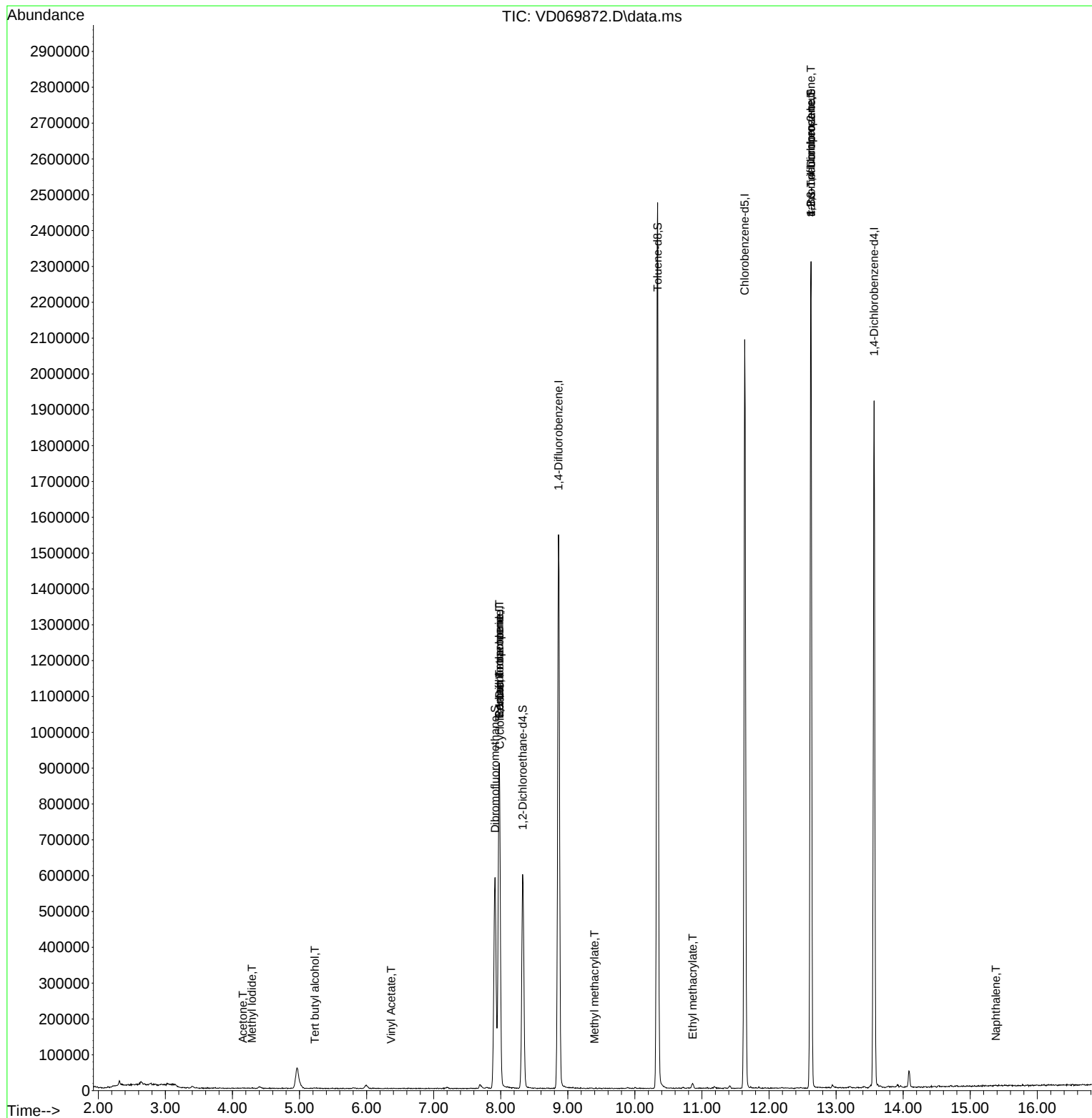
Internal Standards						
1) Pentafluorobenzene	7.979	168	648372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1322896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1214006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	492472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	471246	63.196	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.400%			
35) Dibromofluoromethane	7.914	113	438406	52.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.140%			
50) Toluene-d8	10.338	98	1691522	52.602	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.626	95	546793	50.879	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.760%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2368	Below Cal	#	57
10) Methyl Iodide	4.291	142	778	3.552	ug/l #	59
11) Tert butyl alcohol	5.226	59	1443	3.740	ug/l #	73
16) Acetone	4.156	43	2150	1.596	ug/l #	69
20) Methylene Chloride	4.973	84	45024	Below Cal		92
23) Vinyl Acetate	6.367	43	118	20.358	ug/l #	71
31) Cyclohexane	7.985	56	15633	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	60749	4.255	ug/l #	49
38) Carbon Tetrachloride	7.979	117	71438	5.478	ug/l #	18
48) Methyl methacrylate	9.397	41	130	2.772	ug/l #	36
56) Ethyl methacrylate	10.861	69	946	3.989	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	273396	52.228	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	273396	158.447	ug/l #	16
95) Naphthalene	15.385	128	1020	5.056	ug/l #	76

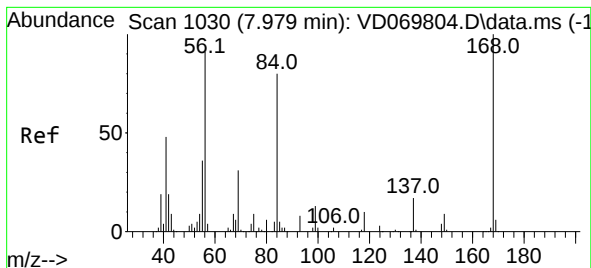
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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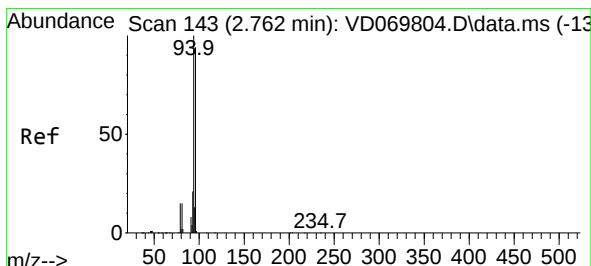
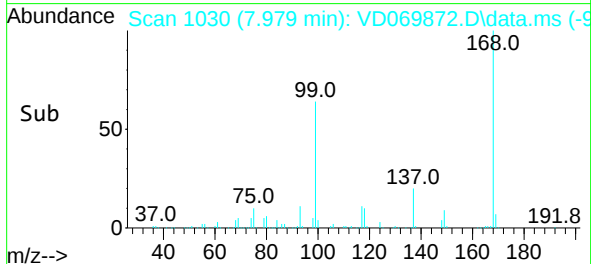
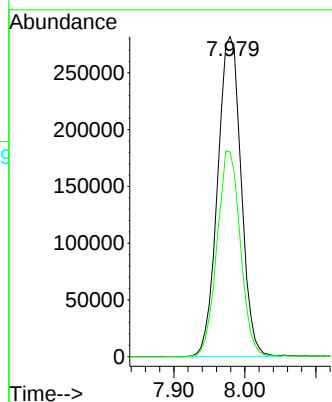
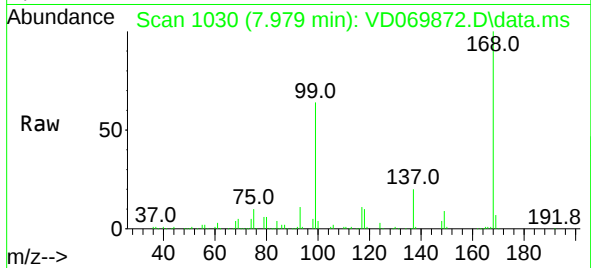




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

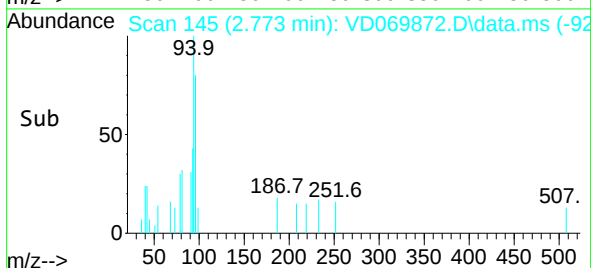
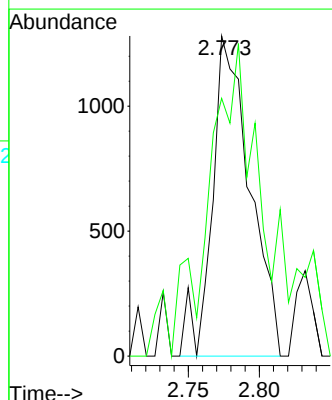
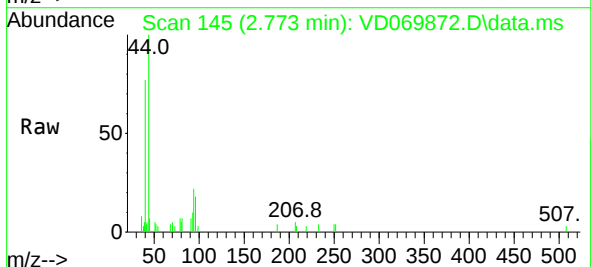
Instrument :
MSVOA_D
ClientSampled :

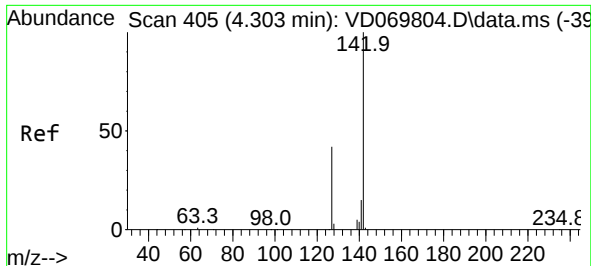
Tgt Ion:168 Resp: 648372
Ion Ratio Lower Upper
168 100
99 64.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

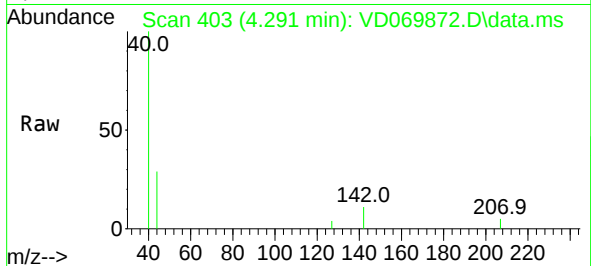
Tgt Ion: 94 Resp: 2368
Ion Ratio Lower Upper
94 100
96 52.1 74.8 112.2#



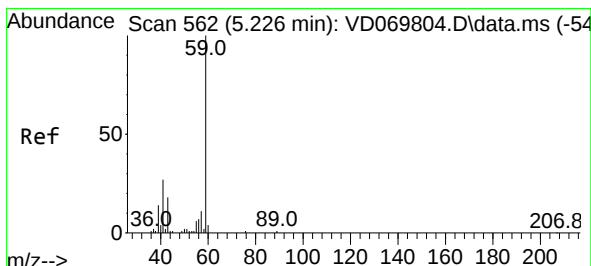
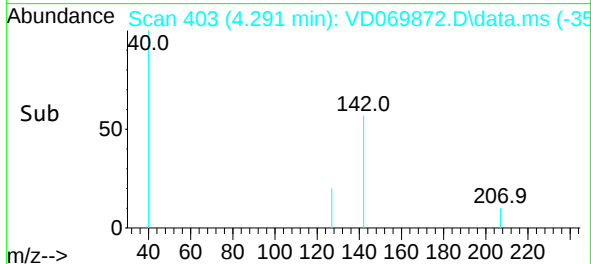
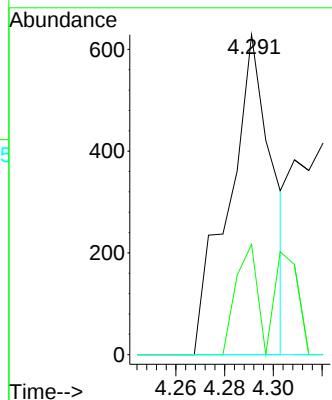


#10
Methyl Iodide
Concen: 3.552 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Instrument :
MSVOA_D
ClientSampled :

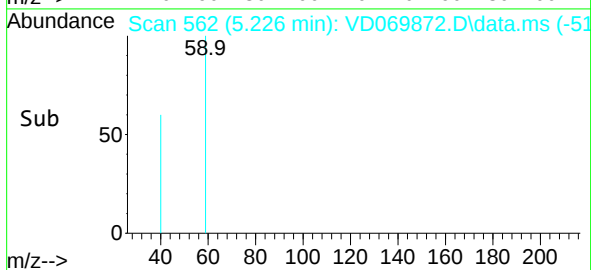
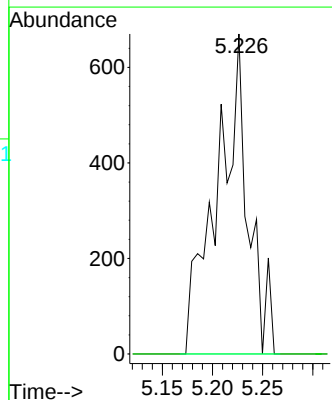
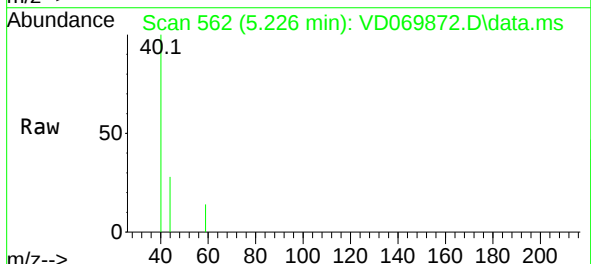


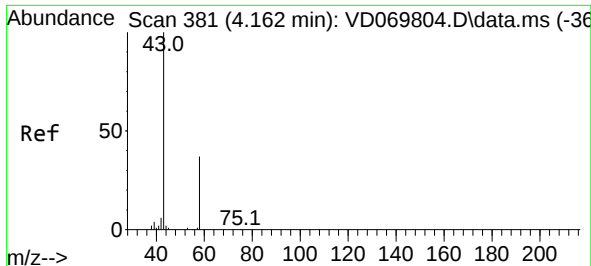
Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
127 17.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.740 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 59 Resp: 1443
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

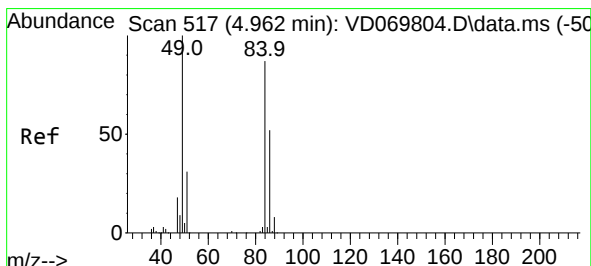
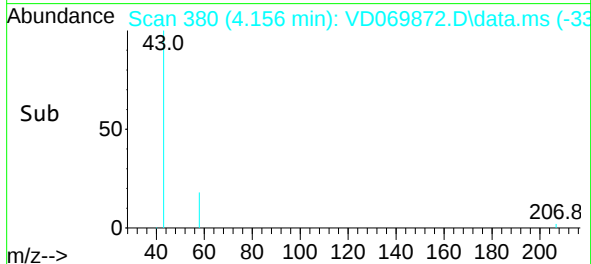
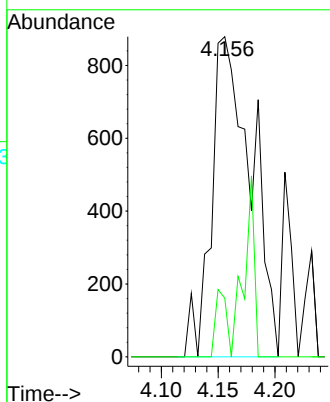
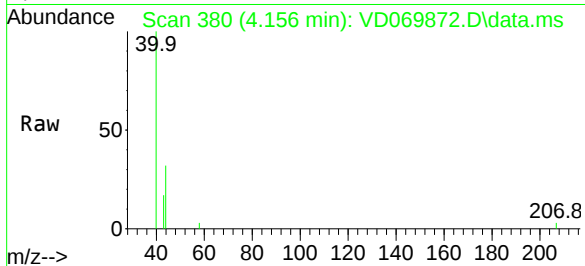




#16
Acetone
Concen: 1.596 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

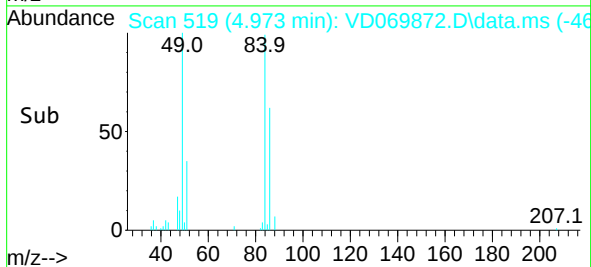
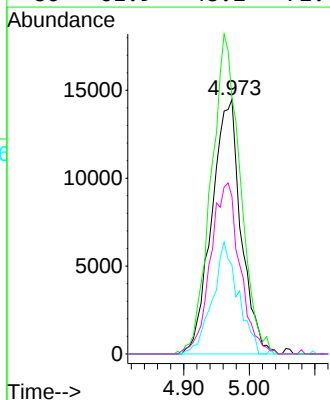
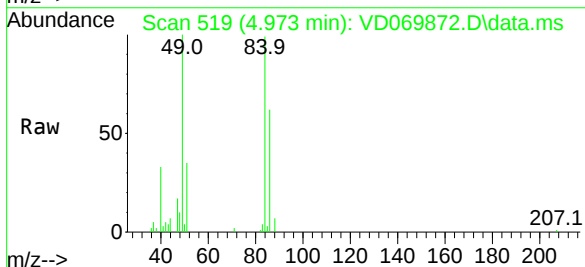
Instrument :
MSVOA_D
ClientSampled :

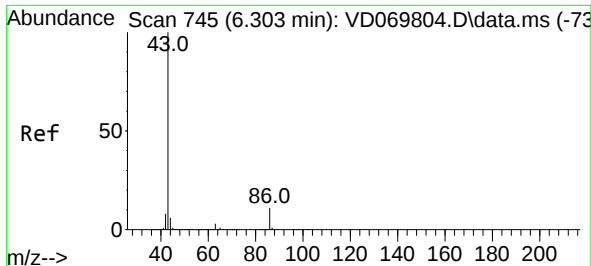
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
58 18.3 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 84 Resp: 45024
Ion Ratio Lower Upper
84 100
49 100.5 92.4 138.6
51 35.0 28.5 42.7
86 61.9 48.2 72.4

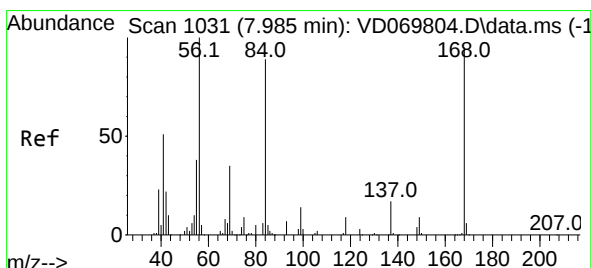
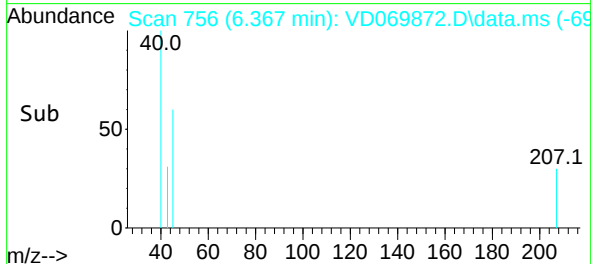
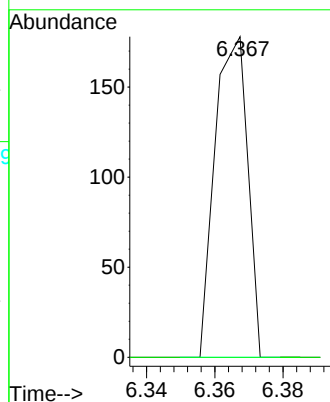
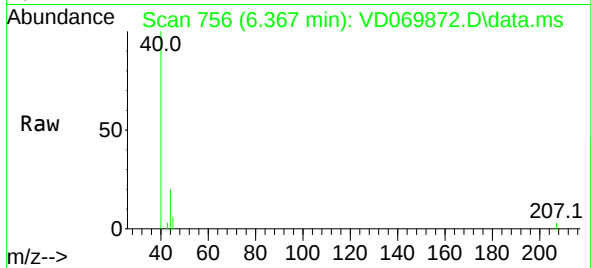




#23
 Vinyl Acetate
 Concen: 20.358 ug/l
 RT: 6.367 min Scan# 756
 Delta R.T. 0.064 min
 Lab File: VD069872.D
 Acq: 27 Jul 2021 17:51

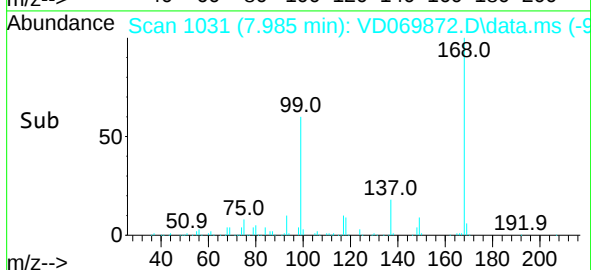
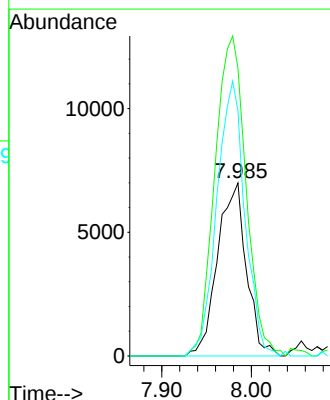
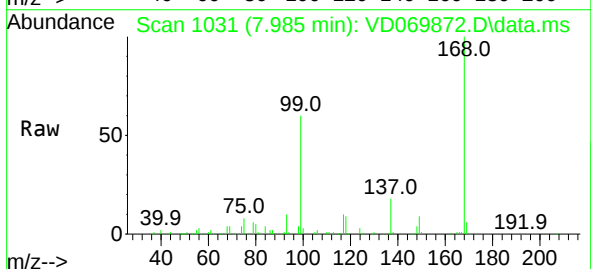
Instrument :
 MSVOA_D
 ClientSampled :

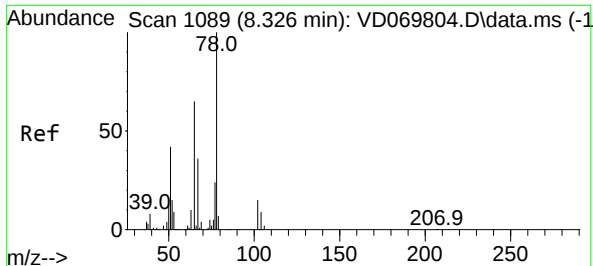
Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.073 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD069872.D
 Acq: 27 Jul 2021 17:51

Tgt Ion: 56 Resp: 15633
 Ion Ratio Lower Upper
 56 100
 69 166.3 27.9 41.9#
 84 141.7 71.4 107.2#

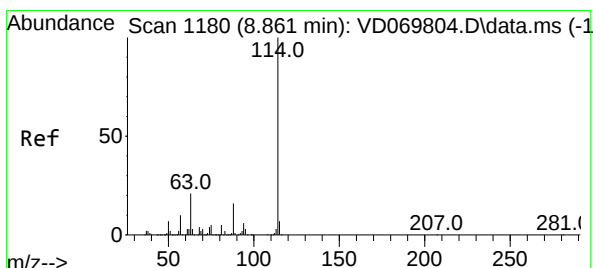
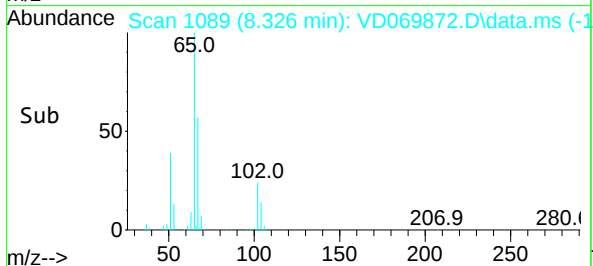
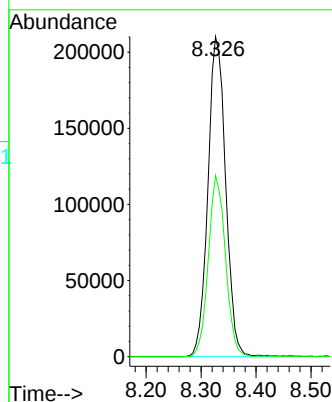
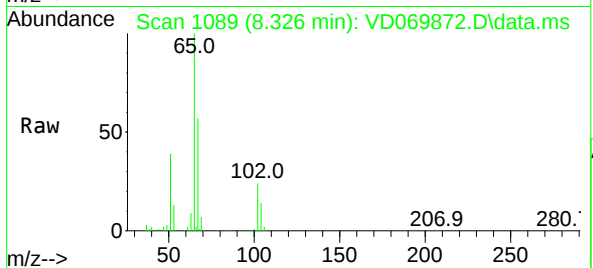




#33
1,2-Dichloroethane-d4
Concen: 63.196 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

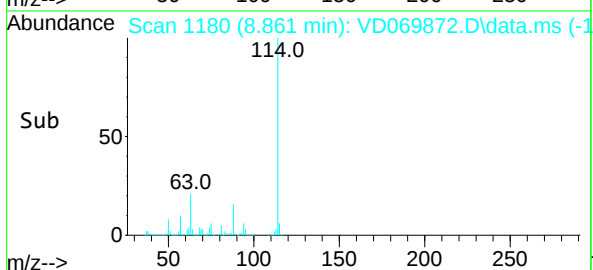
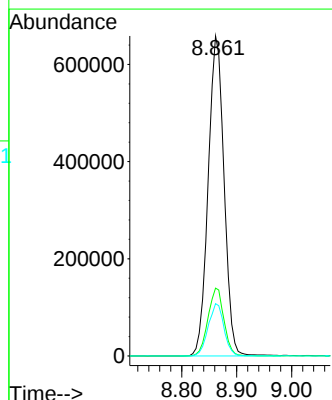
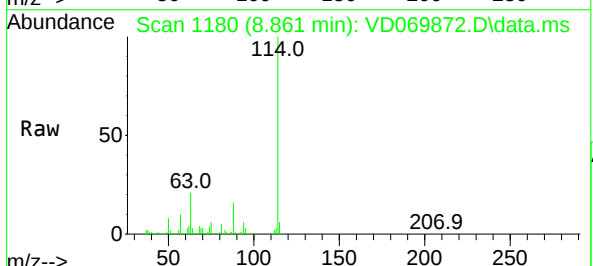
Instrument :
MSVOA_D
ClientSampleId :

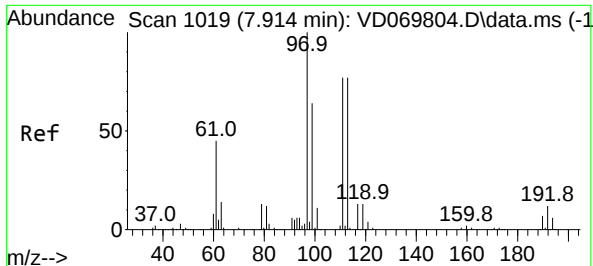
Tgt Ion: 65 Resp: 471246
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 114 Resp: 1322896
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.570 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069872.D

Acq: 27 Jul 2021 17:51

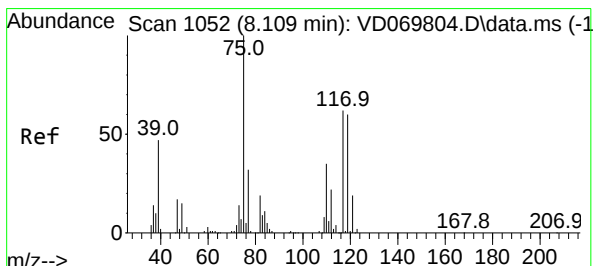
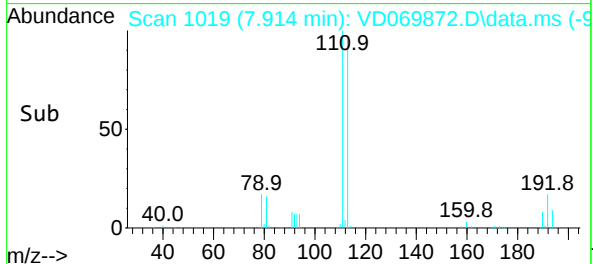
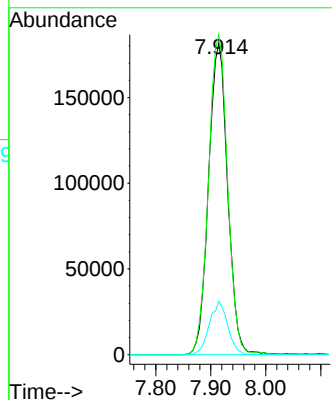
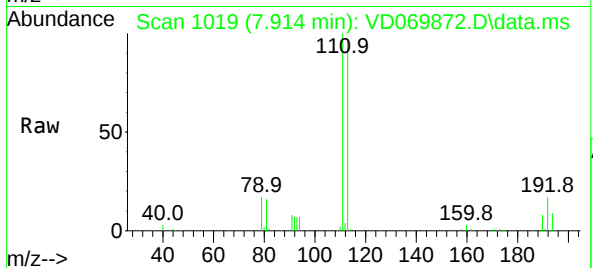
Tgt Ion:113 Resp: 438406

Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 16.4 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.255 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069872.D

Acq: 27 Jul 2021 17:51

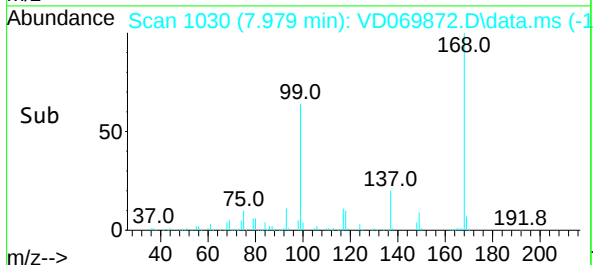
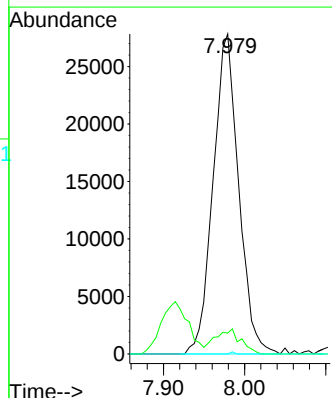
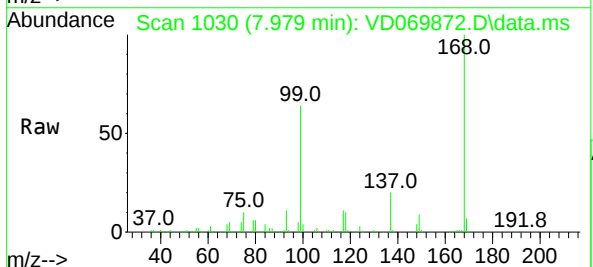
Tgt Ion: 75 Resp: 60749

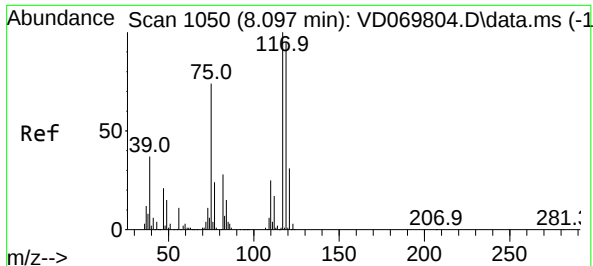
Ion Ratio Lower Upper

75 100

110 7.8 16.9 50.7#

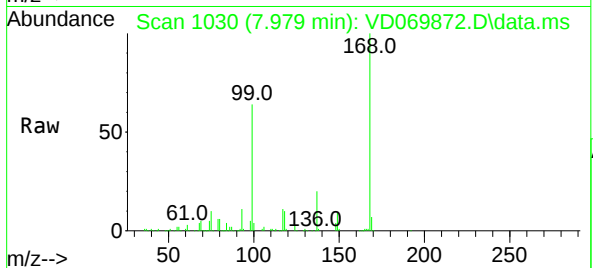
77 0.1 24.9 37.3#



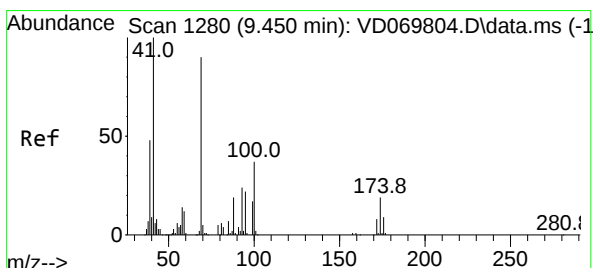
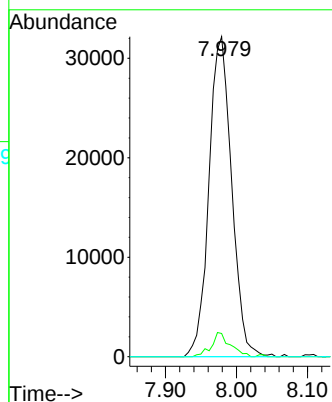
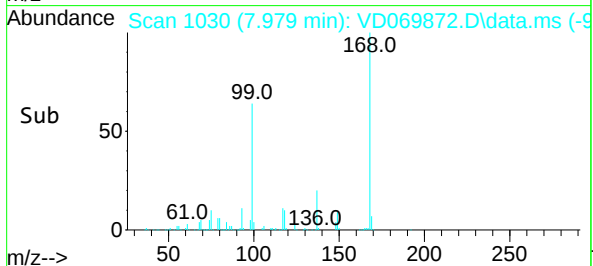


#38
Carbon Tetrachloride
Concen: 5.478 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

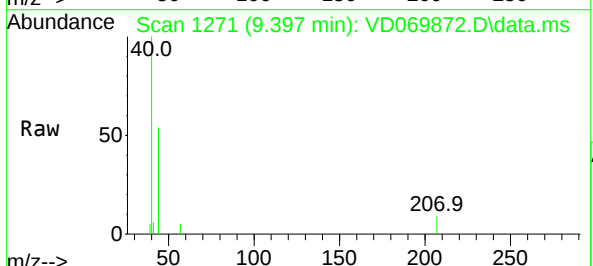
Instrument :
MSVOA_D
ClientSampleId :



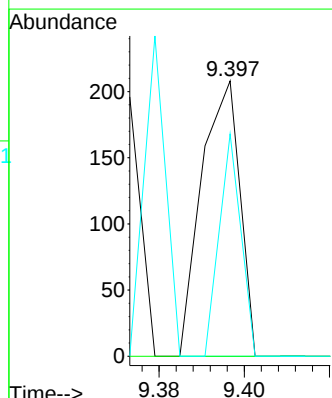
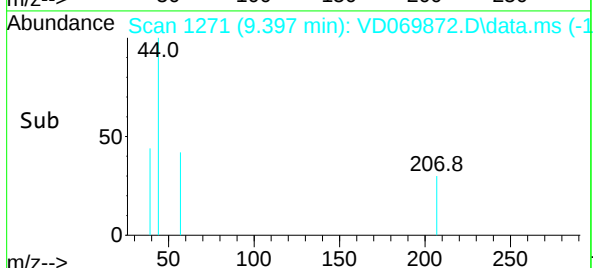
Tgt Ion:117 Resp: 71438
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.5 36.7#

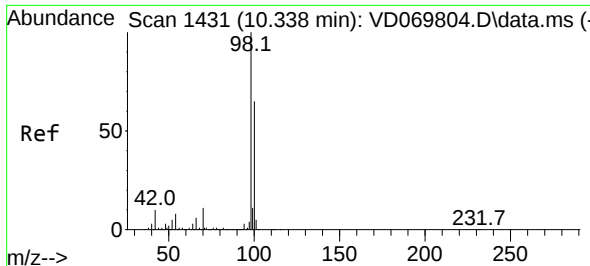


#48
Methyl methacrylate
Concen: 2.772 ug/l
RT: 9.397 min Scan# 1271
Delta R.T. -0.053 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51



Tgt Ion: 41 Resp: 130
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 45.4 36.6 55.0

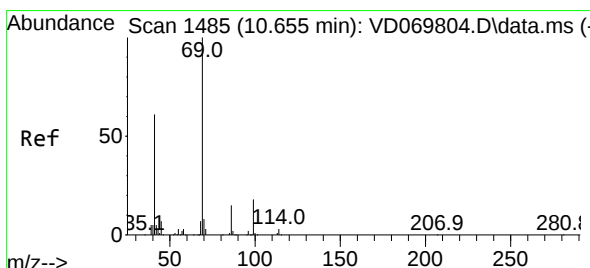
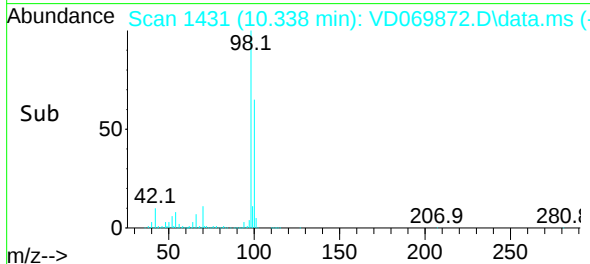
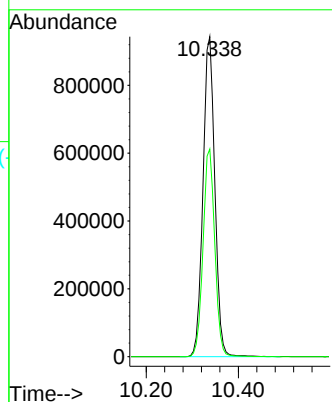
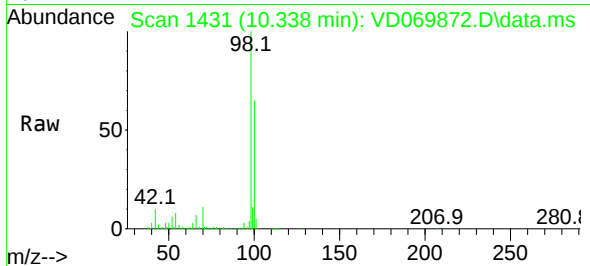




#50
Toluene-d8
Concen: 52.602 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

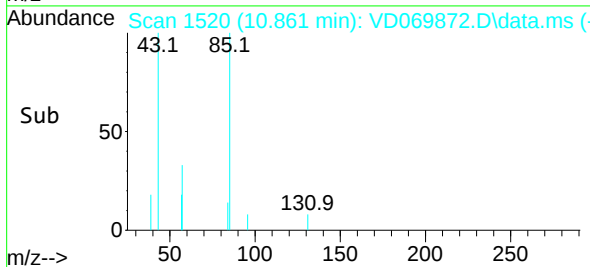
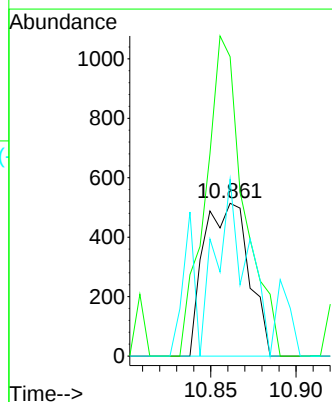
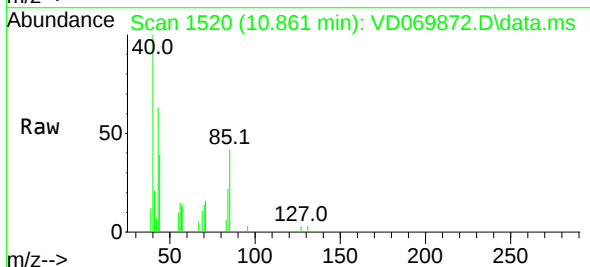
Instrument :
MSVOA_D
ClientSampleId :

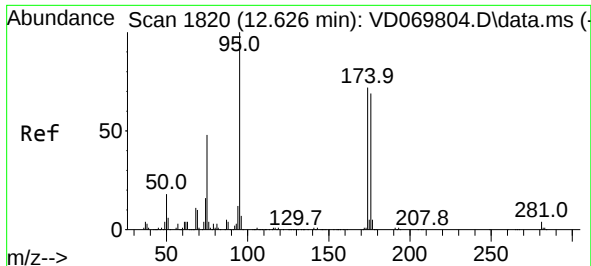
Tgt Ion: 98 Resp: 1691522
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.989 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.206 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 69 Resp: 946
Ion Ratio Lower Upper
69 100
41 179.6 50.2 75.2#
39 80.7 22.0 33.0#

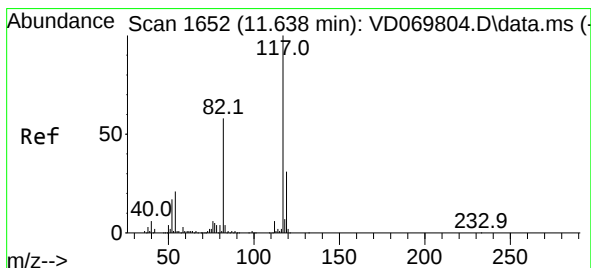
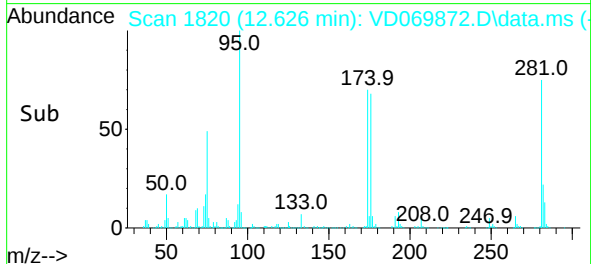
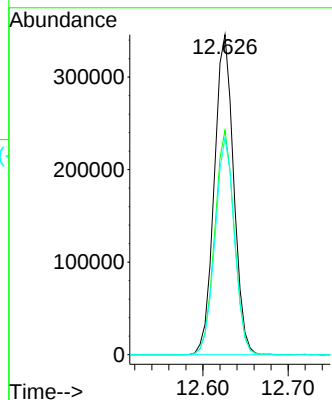
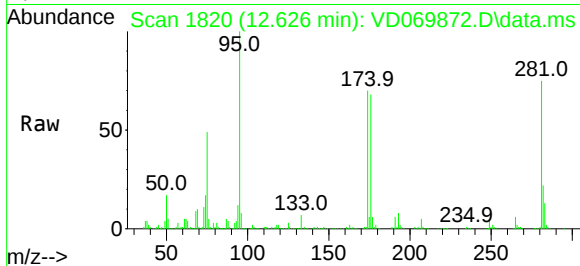




#62
4-Bromofluorobenzene
Concen: 50.879 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

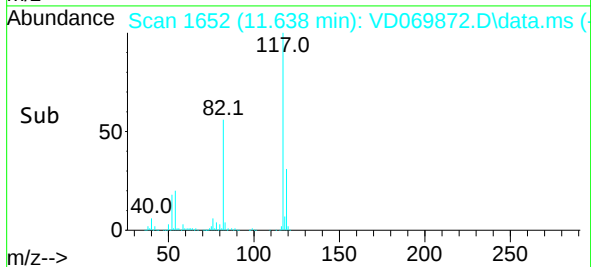
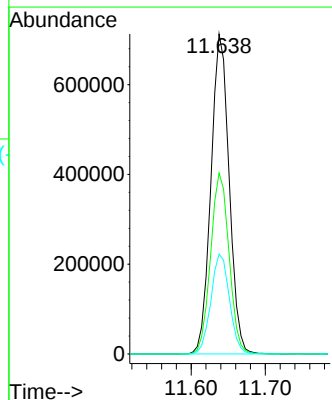
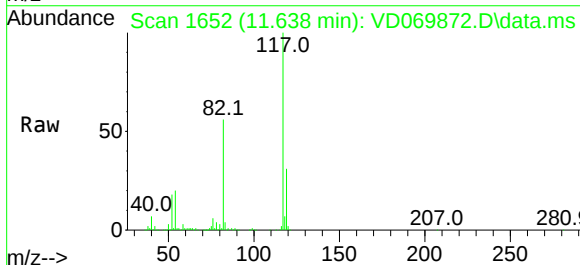
Instrument :
MSVOA_D
ClientSampleId :

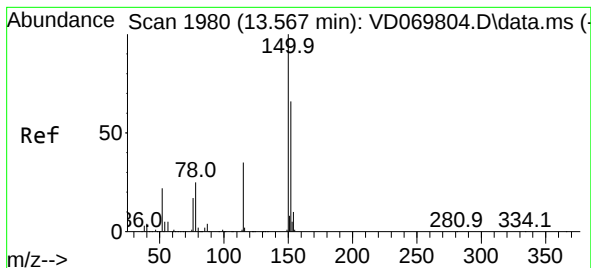
Tgt Ion: 95 Resp: 546793
Ion Ratio Lower Upper
95 100
174 70.7 0.0 142.6
176 67.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 117 Resp: 1214006
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 31.2 24.7 37.1

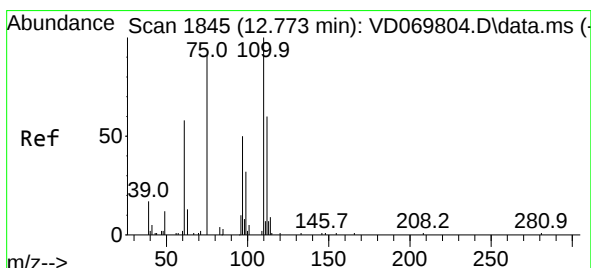
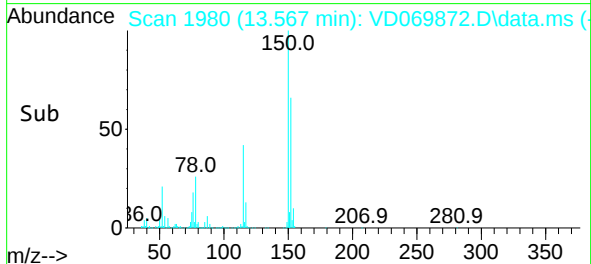
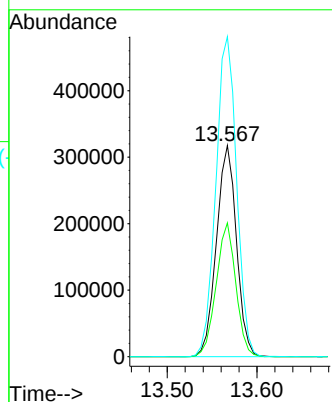
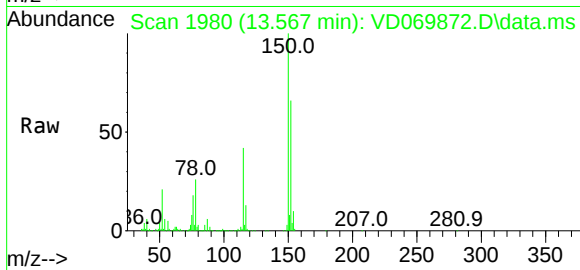




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069872.D
 Acq: 27 Jul 2021 17:51

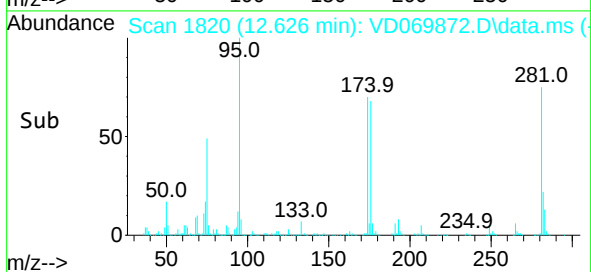
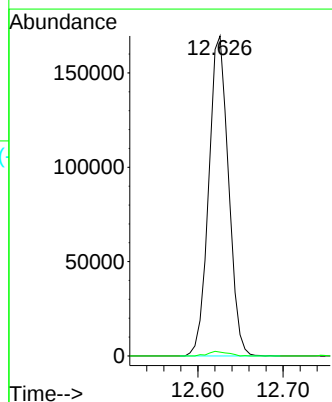
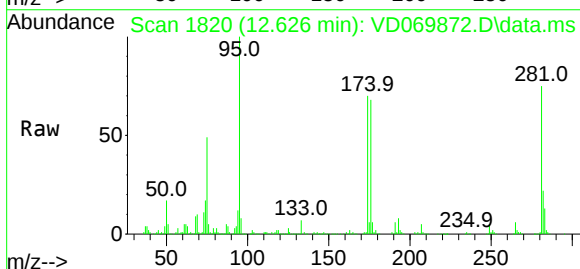
Instrument :
 MSVOA_D
 ClientSampleId :

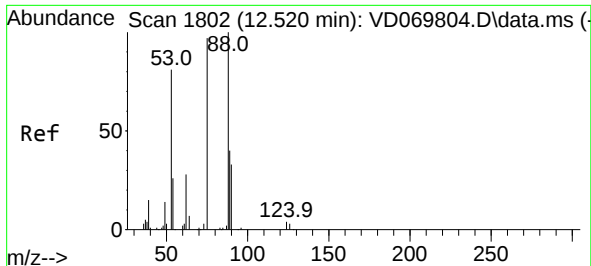
Tgt Ion:152 Resp: 492472
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.1 93.3
 150 157.0 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 52.228 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069872.D
 Acq: 27 Jul 2021 17:51

Tgt Ion: 75 Resp: 273396
 Ion Ratio Lower Upper
 75 100
 77 1.4 181.5 544.5#

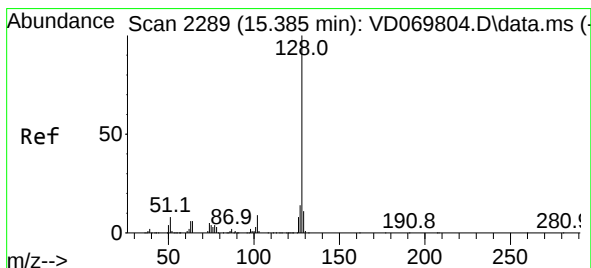
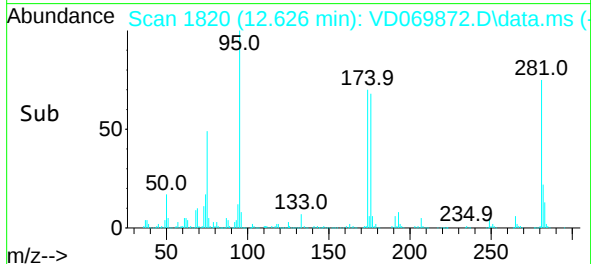
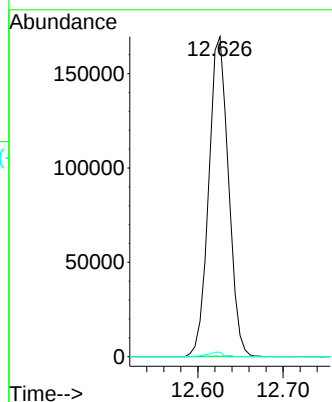
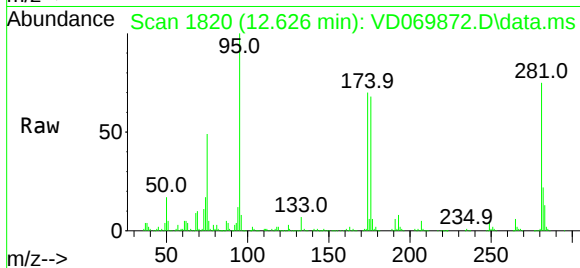




#81
trans-1,4-Dichloro-2-butene
Concen: 158.447 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 273396
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 1.2 35.8 53.6#



#95
Naphthalene
Concen: 5.056 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069872.D
Acq: 27 Jul 2021 17:51

Tgt Ion: 128 Resp: 1020
Ion Ratio Lower Upper
128 100
127 5.4 10.6 16.0#
129 0.0 8.6 12.8#

