

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069873.D
 Acq On : 27 Jul 2021 18:20
 Operator : VA/SY
 Sample : M3184-01
 Misc : 7.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 04:00:43 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	588054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1187795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1063892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	414951	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	438383	64.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.640%	
35) Dibromofluoromethane	7.914	113	407472	54.418	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.840%	
50) Toluene-d8	10.338	98	1492247	51.684	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.626	95	474820	49.207	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.420%	

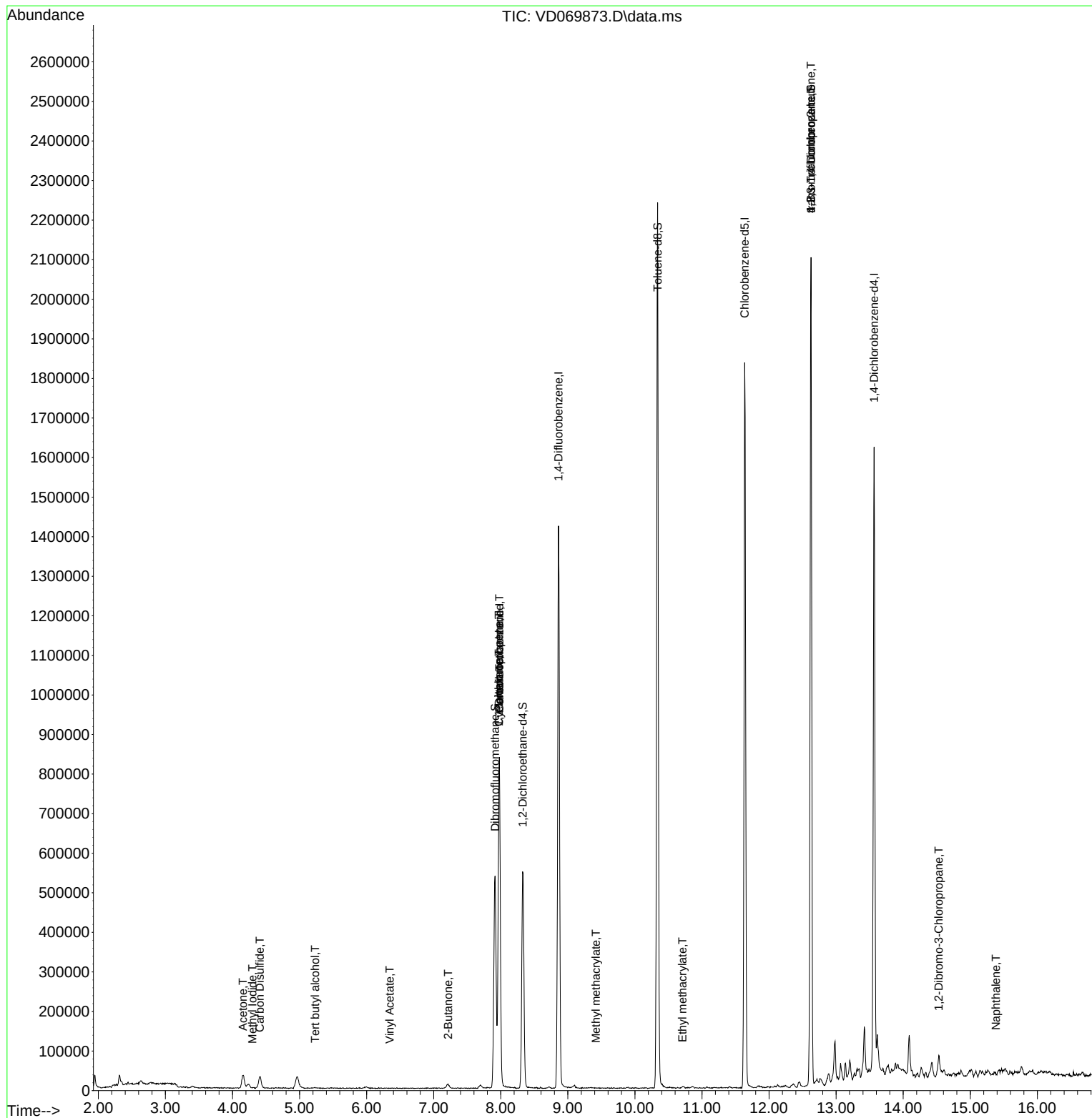
Target Compounds				Qvalue		
5) Bromomethane	2.744	94	380	Below Cal	#	3
10) Methyl Iodide	4.297	142	930	3.581	ug/l #	83
11) Tert butyl alcohol	5.232	59	415	1.186	ug/l #	73
16) Acetone	4.156	43	60657	49.648	ug/l	94
17) Carbon Disulfide	4.409	76	63766	2.651	ug/l	97
20) Methylene Chloride	4.973	84	23646	Below Cal		95
23) Vinyl Acetate	6.344	43	142	20.360	ug/l #	71
25) 2-Butanone	7.214	43	12511	7.551	ug/l	97
31) Cyclohexane	7.973	56	13916	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	54199	4.228	ug/l #	50
38) Carbon Tetrachloride	7.979	117	65142	5.564	ug/l #	17
48) Methyl methacrylate	9.420	41	55	2.758	ug/l #	13
56) Ethyl methacrylate	10.708	69	64	3.903	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	239284	54.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	239284	164.586	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	3735	4.356	ug/l #	7
95) Naphthalene	15.384	128	2015	5.132	ug/l #	79

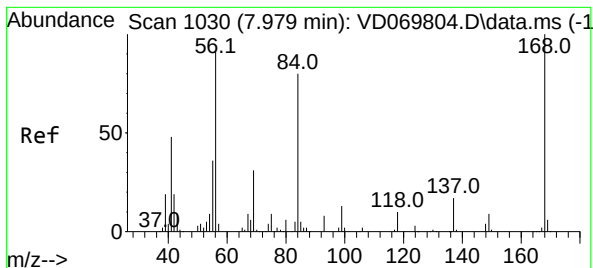
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 28 04:00:43 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

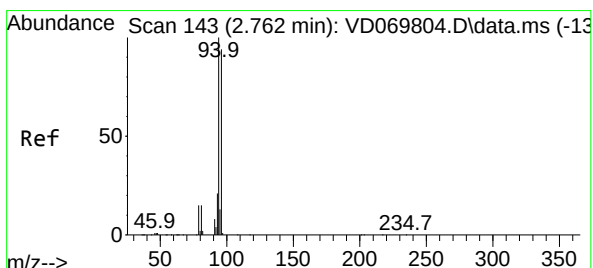
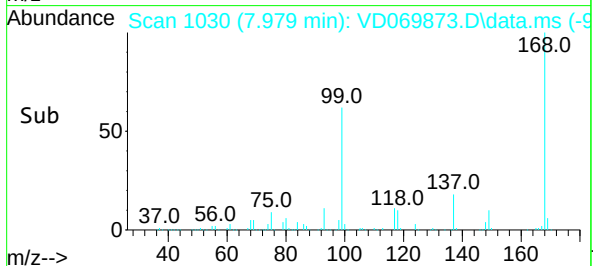
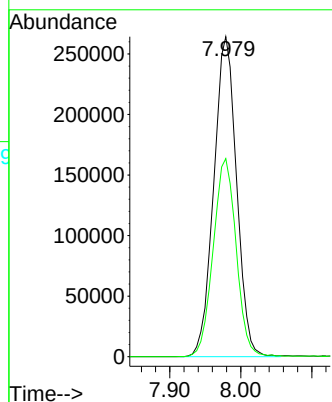
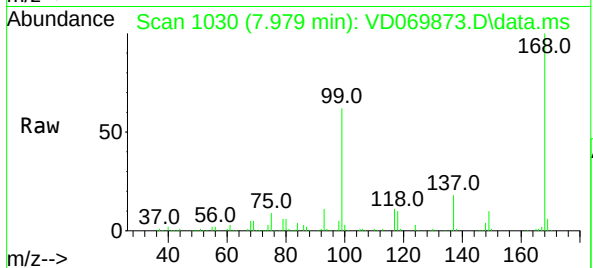




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

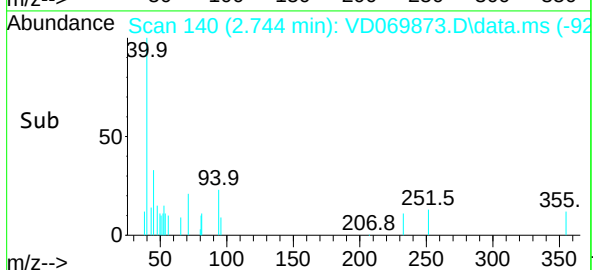
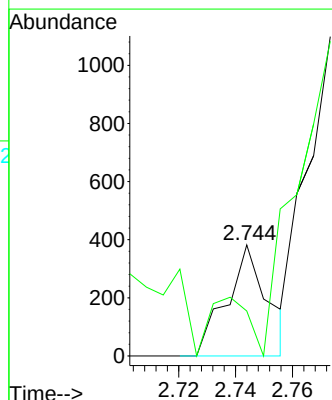
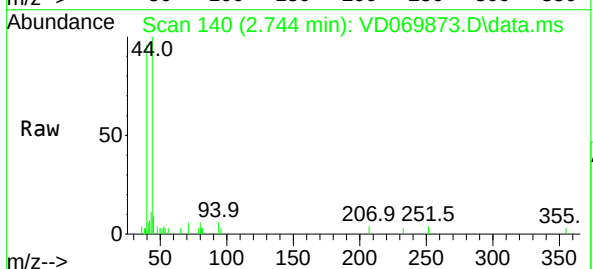
Instrument :
MSVOA_D
ClientSampleId :

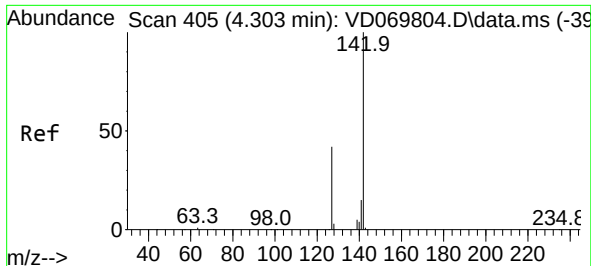
Tgt Ion:168 Resp: 588054
Ion Ratio Lower Upper
168 100
99 61.8 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.744 min Scan# 140
Delta R.T. -0.018 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

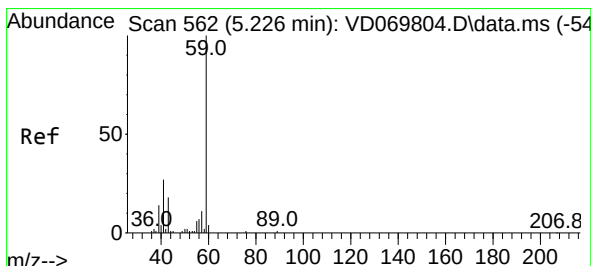
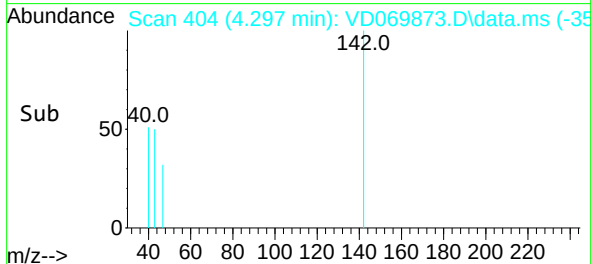
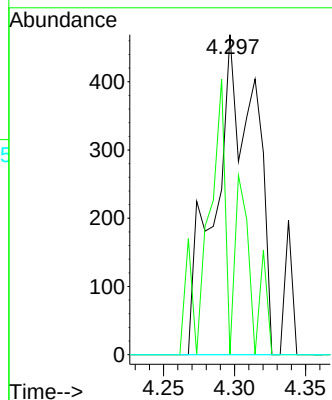
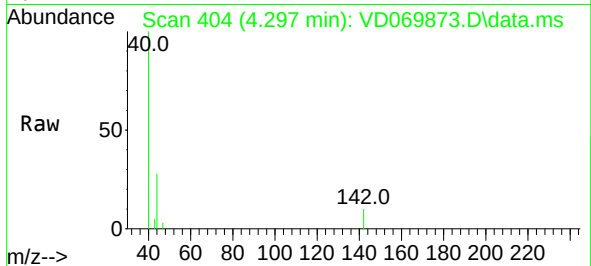




#10
Methyl Iodide
Concen: 3.581 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

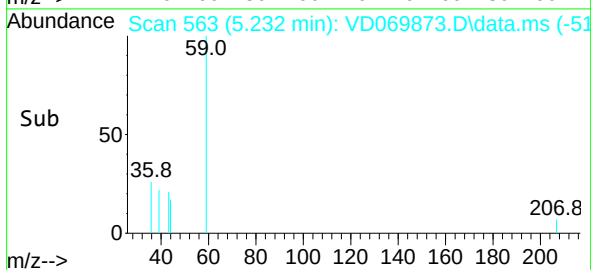
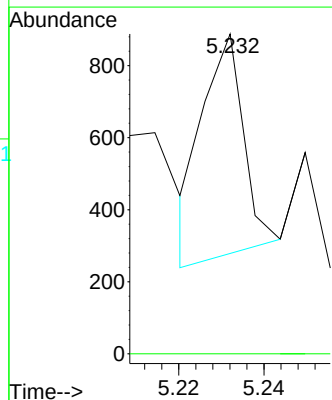
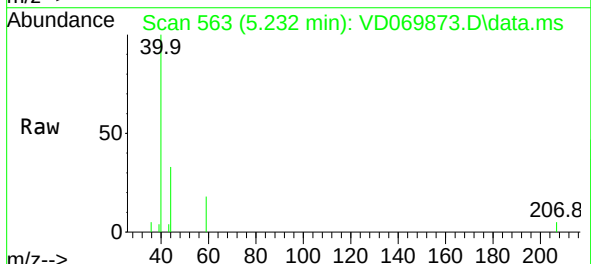
Instrument :
MSVOA_D
ClientSampled :

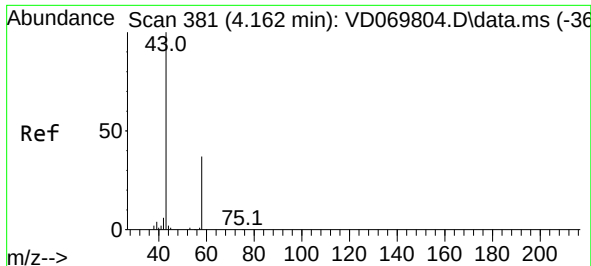
Tgt Ion:142 Resp: 930
Ion Ratio Lower Upper
142 100
127 37.5 35.7 53.5
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.186 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 59 Resp: 415
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

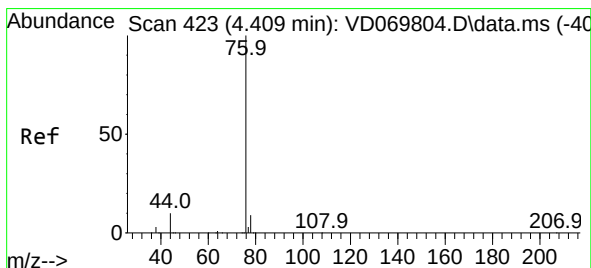
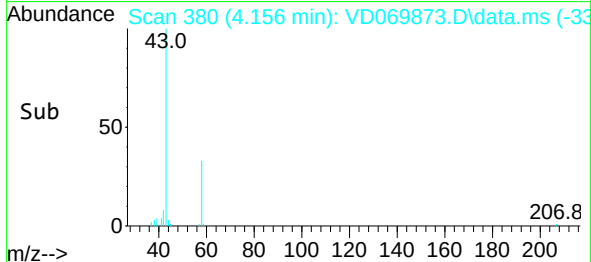
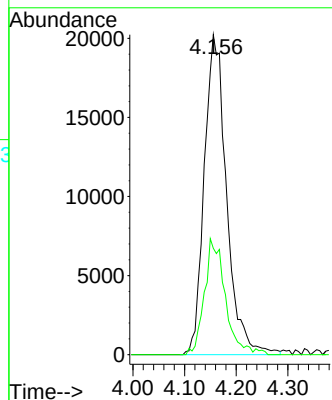
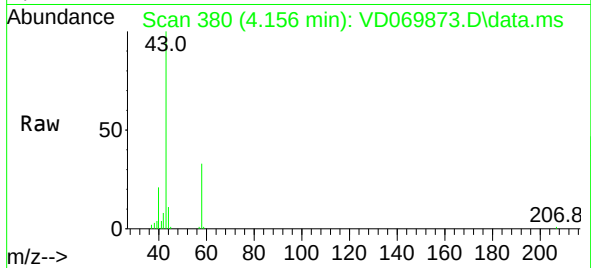




#16
Acetone
Concen: 49.648 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

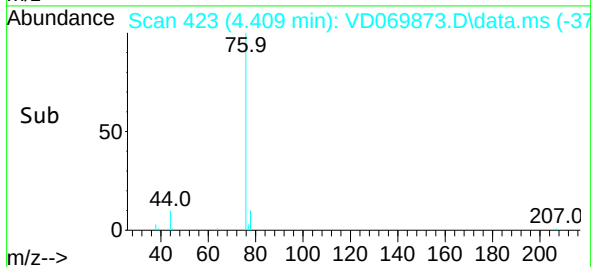
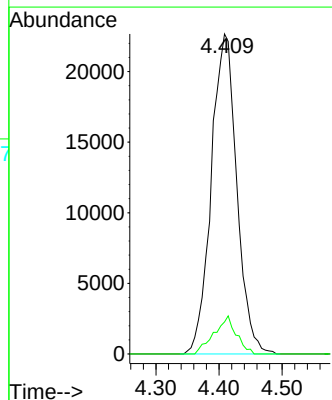
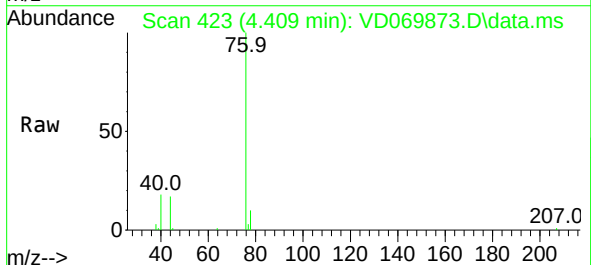
Instrument :
MSVOA_D
ClientSampleId :

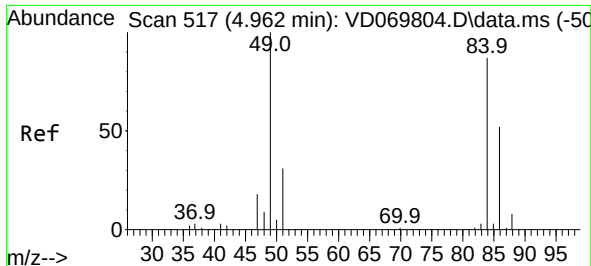
Tgt Ion: 43 Resp: 60657
Ion Ratio Lower Upper
43 100
58 33.3 29.4 44.0



#17
Carbon Disulfide
Concen: 2.651 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

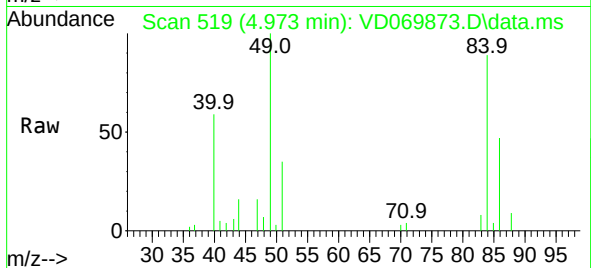
Tgt Ion: 76 Resp: 63766
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



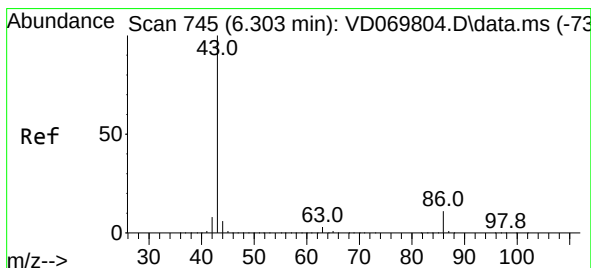
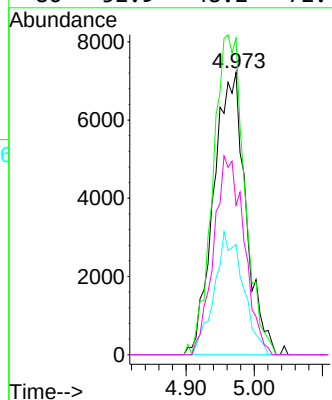
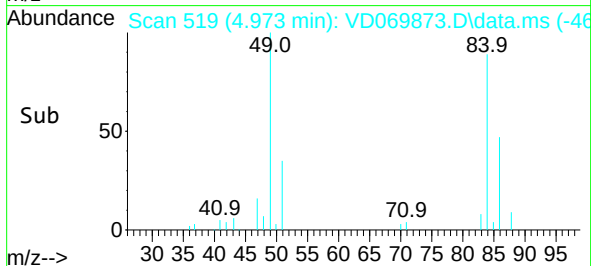


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

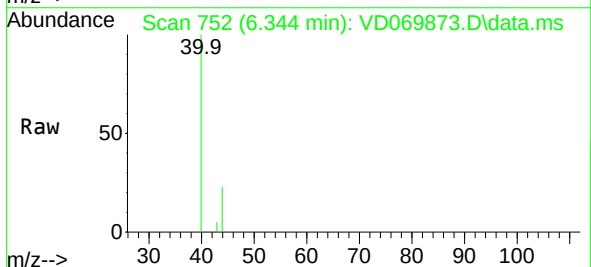
Instrument :
MSVOA_D
ClientSampled :



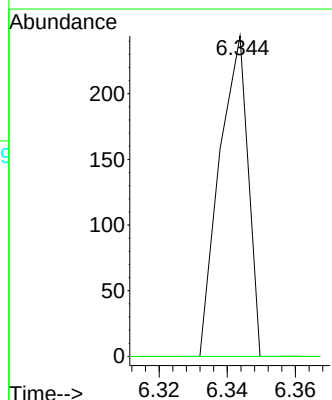
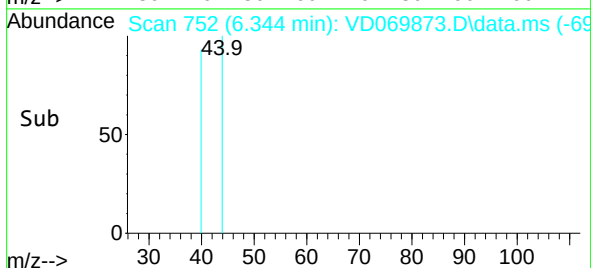
Tgt Ion:	84	Resp:	23646
Ion	Ratio	Lower	Upper
84	100		
49	112.2	92.4	138.6
51	39.1	28.5	42.7
86	52.9	48.2	72.4

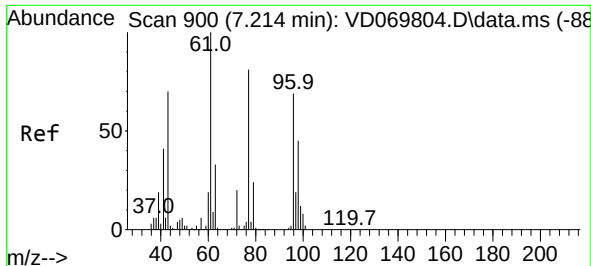


#23
Vinyl Acetate
Concen: 20.360 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.041 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20



Tgt Ion:	43	Resp:	142
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

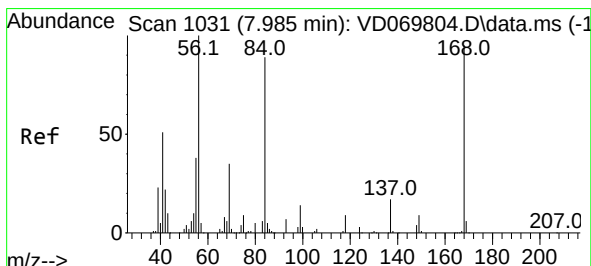
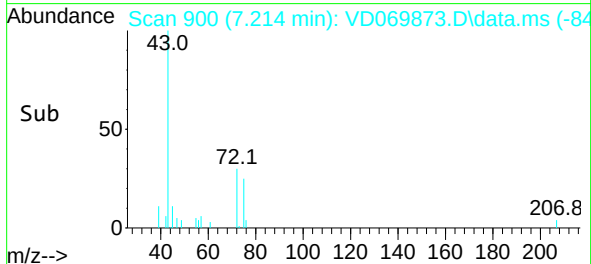
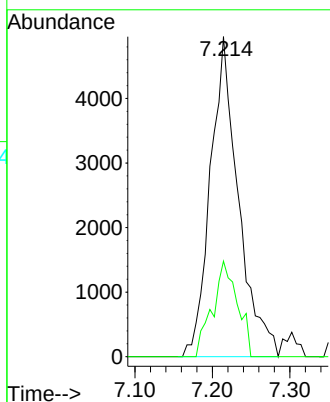
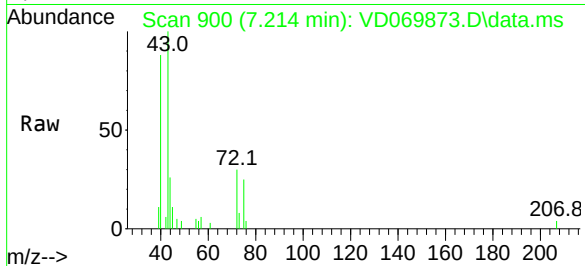




#25
2-Butanone
Concen: 7.551 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

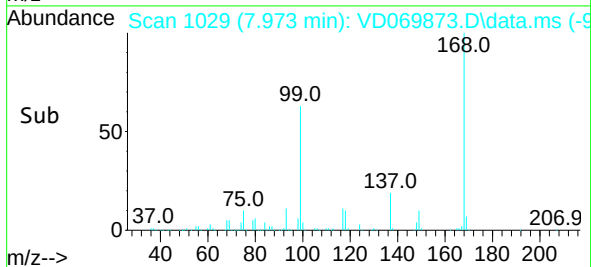
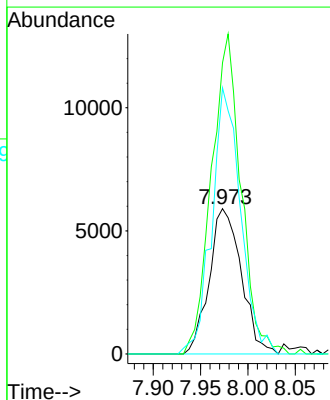
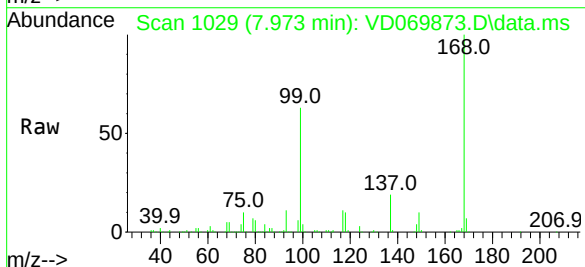
Instrument :
MSVOA_D
ClientSampled :

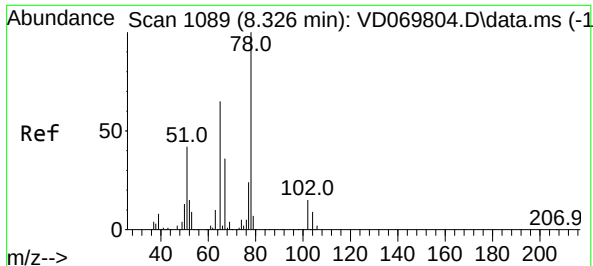
Tgt Ion: 43 Resp: 12511
Ion Ratio Lower Upper
43 100
72 29.8 22.8 34.2



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 56 Resp: 13916
Ion Ratio Lower Upper
56 100
69 200.3 27.9 41.9#
84 186.4 71.4 107.2#



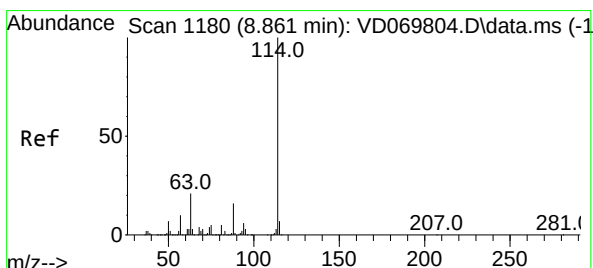
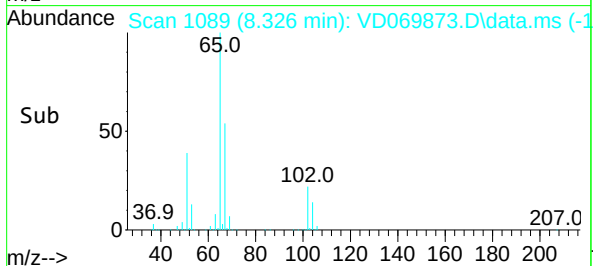
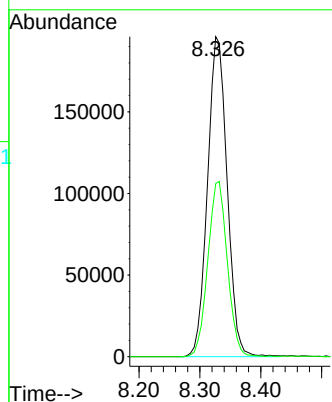
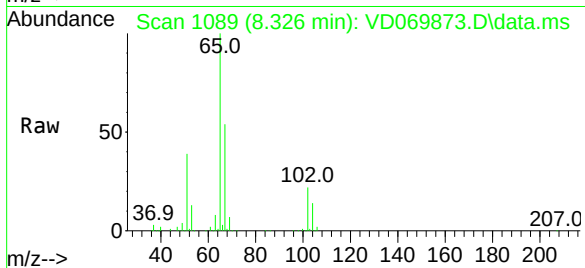


#33

1,2-Dichloroethane-d4
Concen: 64.819 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Instrument :
MSVOA_D
ClientSampleId :

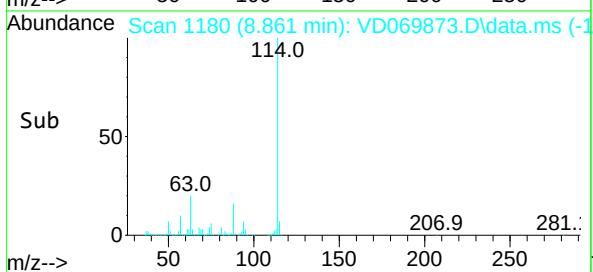
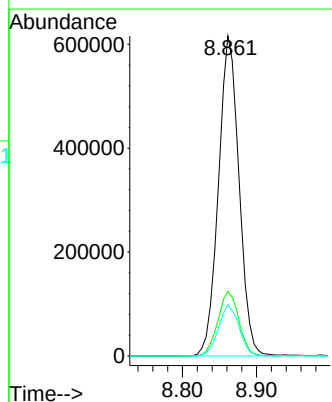
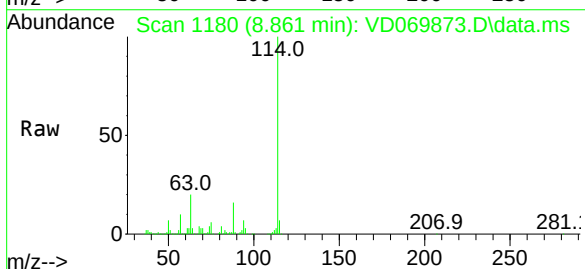
Tgt Ion: 65 Resp: 438383
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2

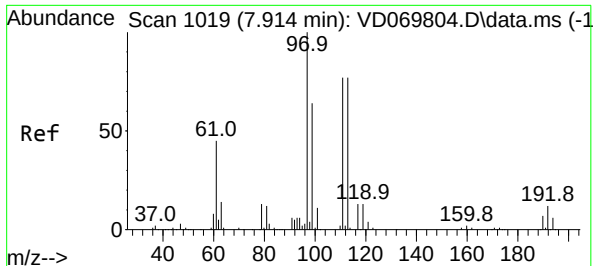


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion:114 Resp: 1187795
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.6
88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.418 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069873.D

Acq: 27 Jul 2021 18:20

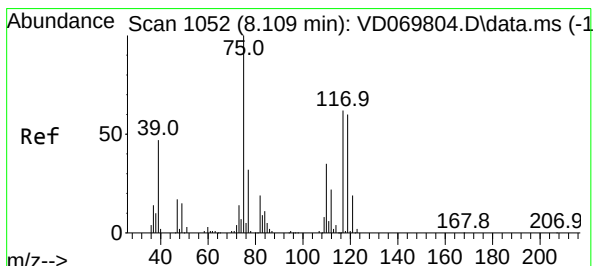
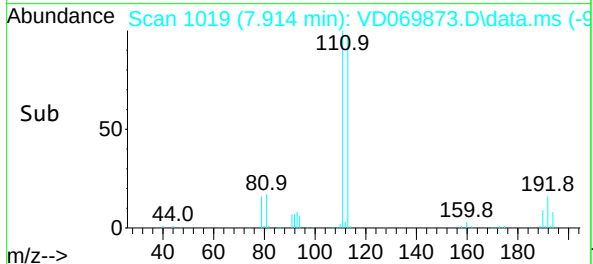
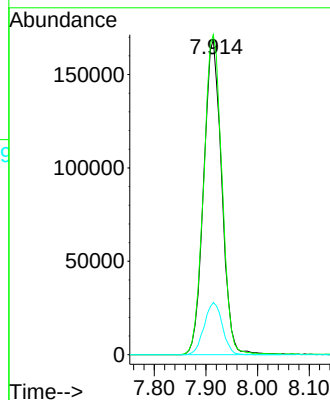
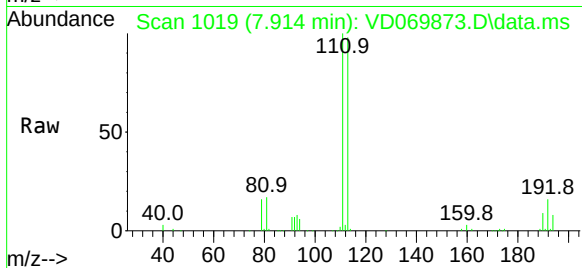
Tgt Ion:113 Resp: 407472

Ion Ratio Lower Upper

113 100

111 103.0 80.5 120.7

192 16.7 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.228 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069873.D

Acq: 27 Jul 2021 18:20

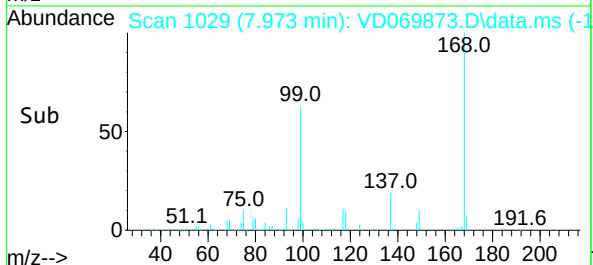
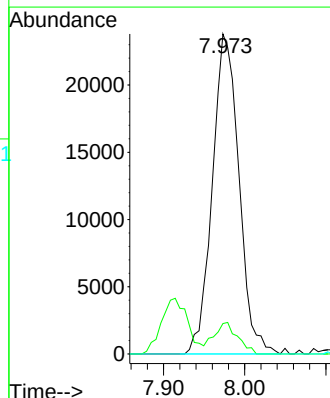
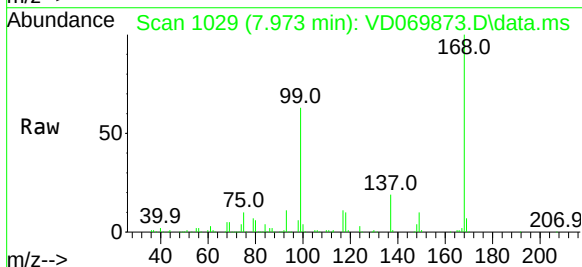
Tgt Ion: 75 Resp: 54199

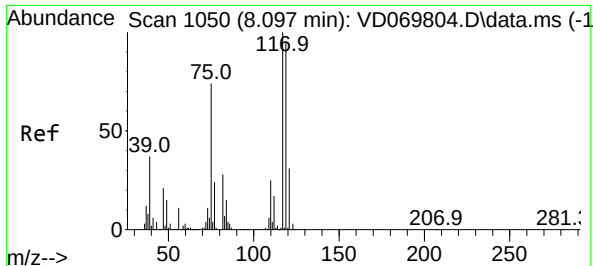
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.9 37.3#

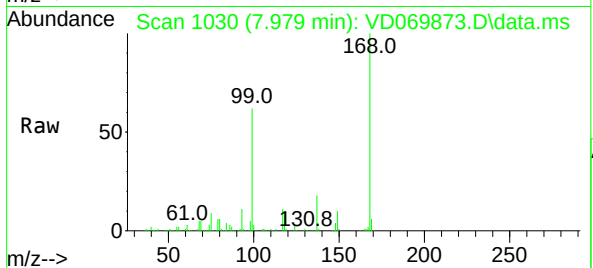




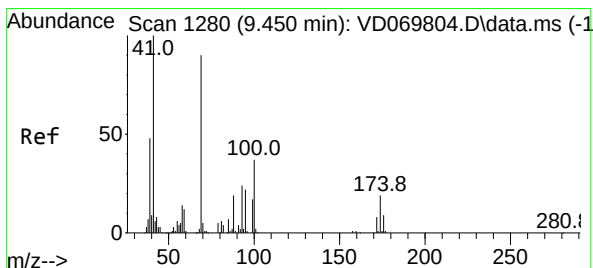
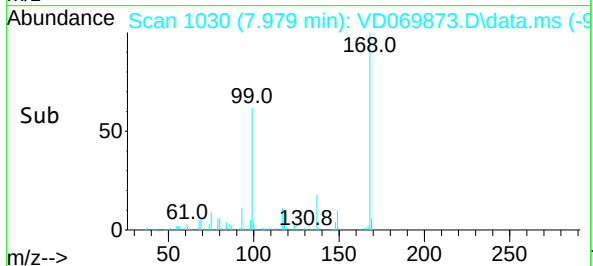
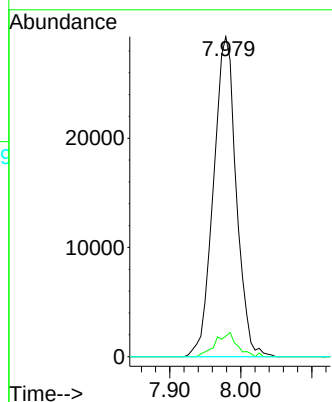
#38

Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Instrument :
MSVOA_D
ClientSampleId :



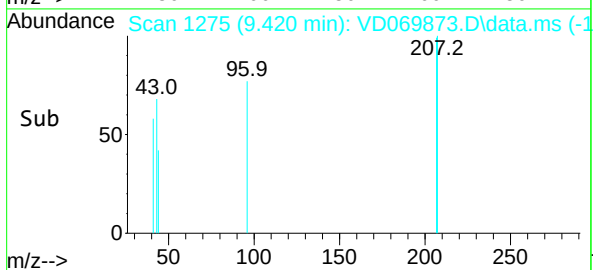
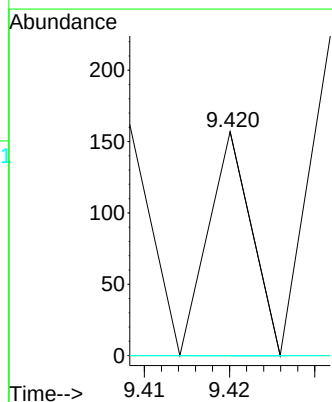
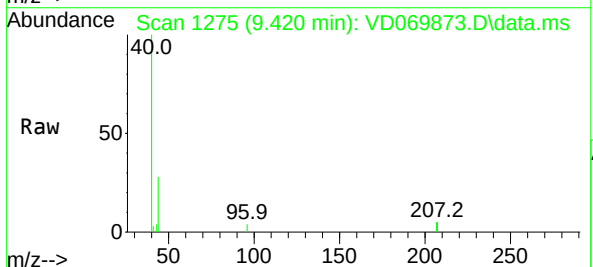
Tgt Ion:117 Resp: 65142
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.5 36.7#

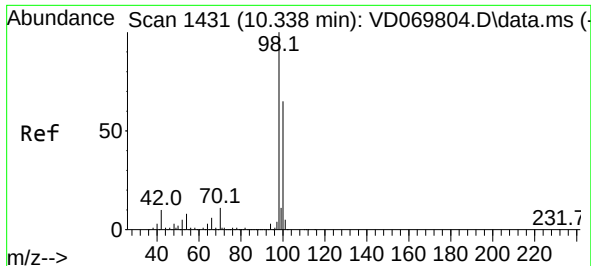


#48

Methyl methacrylate
Concen: 2.758 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

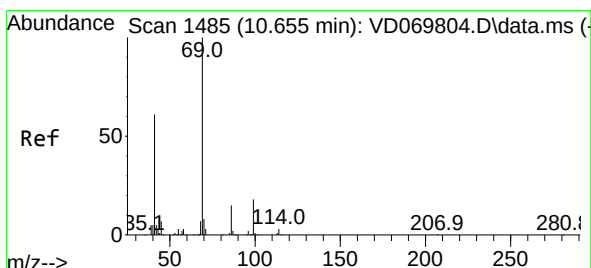
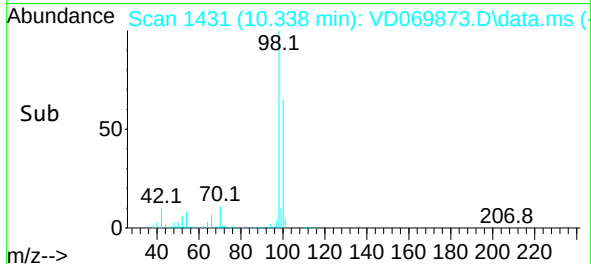
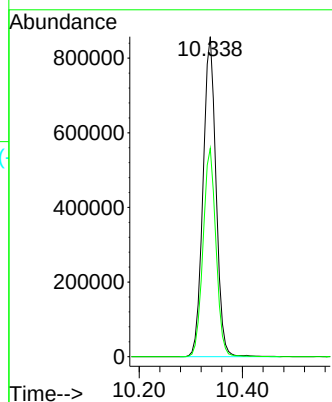
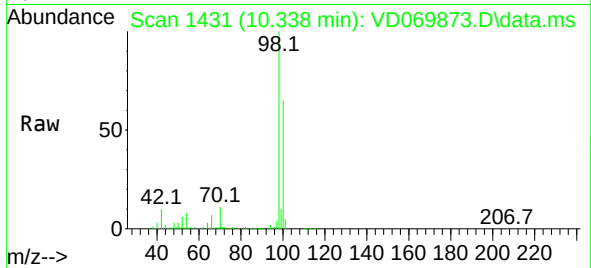




#50
Toluene-d8
Concen: 51.684 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

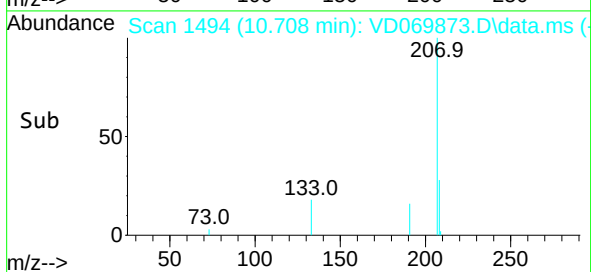
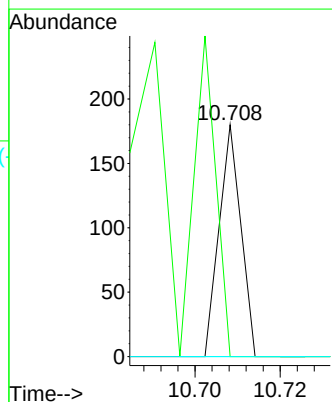
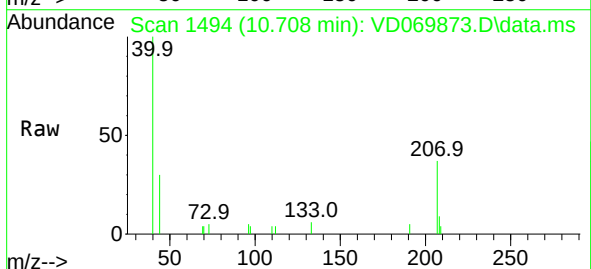
Instrument :
MSVOA_D
ClientSampleId :

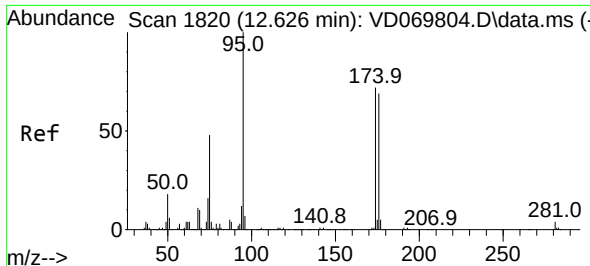
Tgt Ion: 98 Resp: 1492247
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.903 ug/l
RT: 10.708 min Scan# 1494
Delta R.T. 0.053 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 359.4 50.2 75.2#
39 0.0 22.0 33.0#

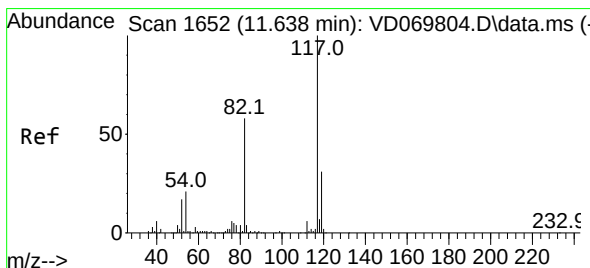
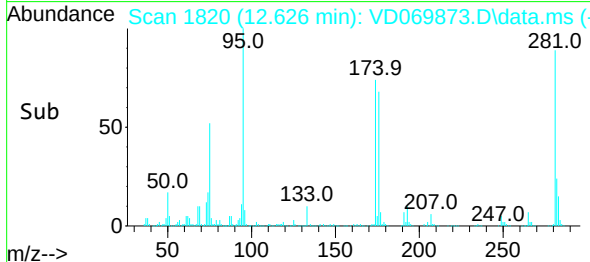
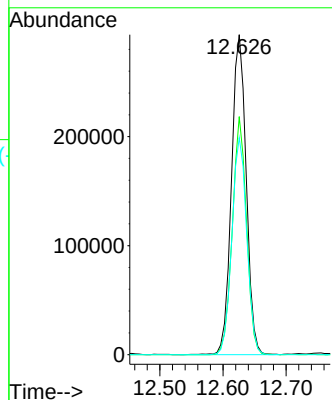
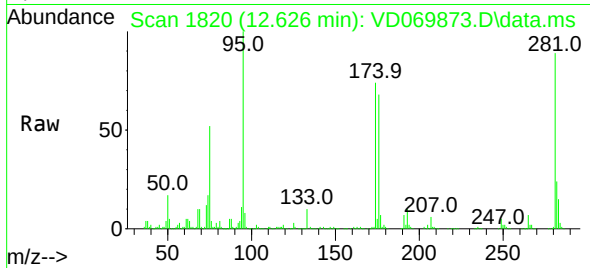




#62
4-Bromofluorobenzene
Concen: 49.207 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

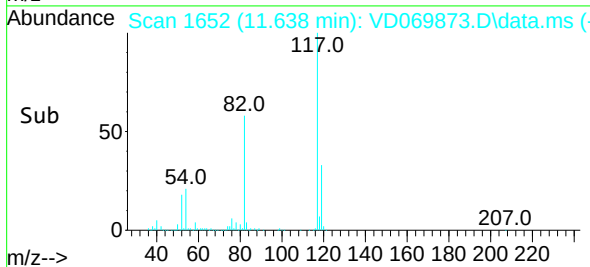
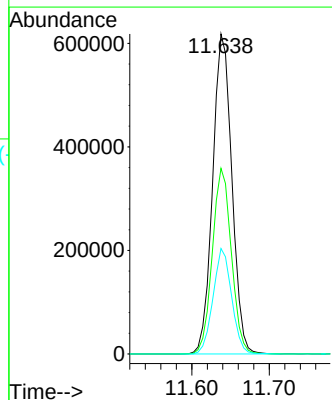
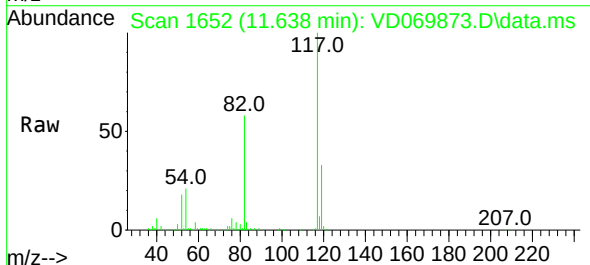
Instrument :
MSVOA_D
ClientSampleId :

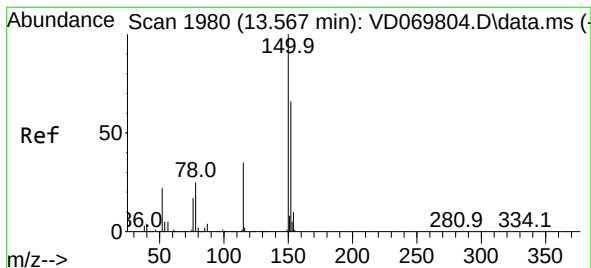
Tgt Ion: 95 Resp: 474820
Ion Ratio Lower Upper
95 100
174 71.5 0.0 142.6
176 68.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Tgt Ion: 117 Resp: 1063892
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 33.0 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: VD069873.D

Acq: 27 Jul 2021 18:20

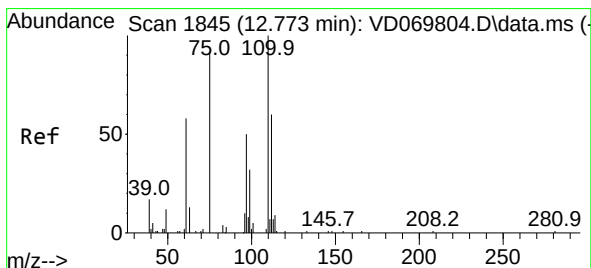
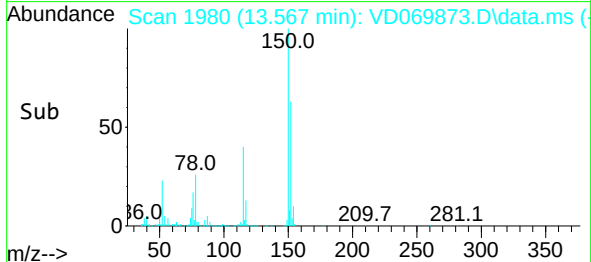
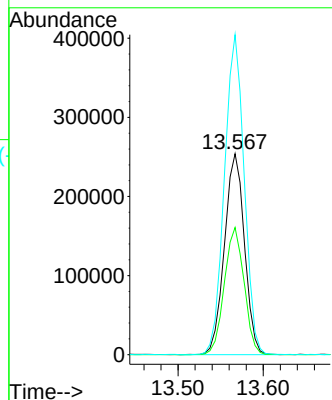
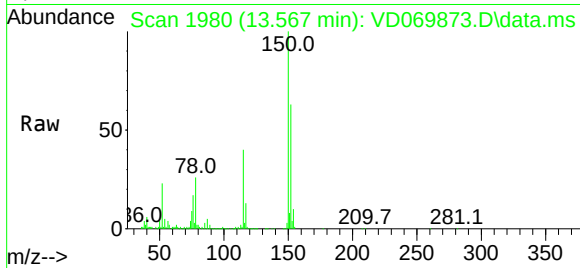
Tgt Ion:152 Resp: 414951

Ion Ratio Lower Upper

152 100

115 62.4 31.1 93.3

150 157.2 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 54.252 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD069873.D

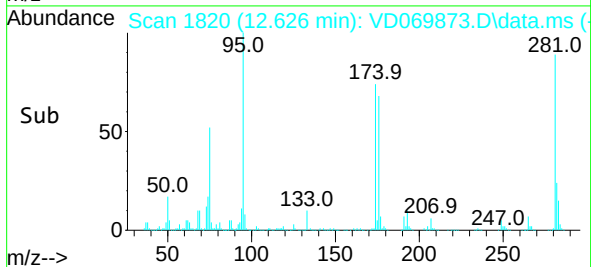
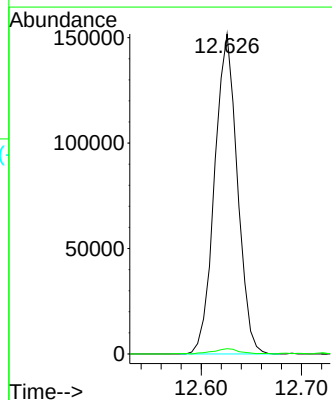
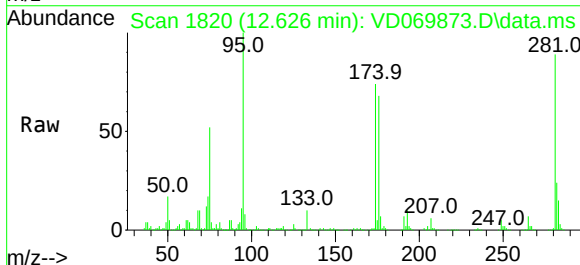
Acq: 27 Jul 2021 18:20

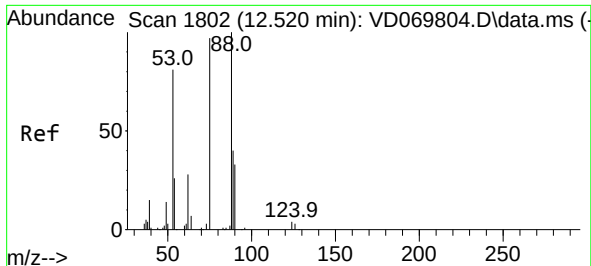
Tgt Ion: 75 Resp: 239284

Ion Ratio Lower Upper

75 100

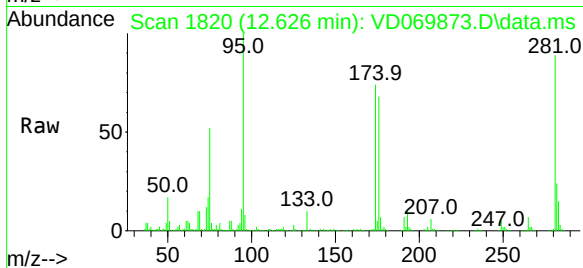
77 2.0 181.5 544.5#



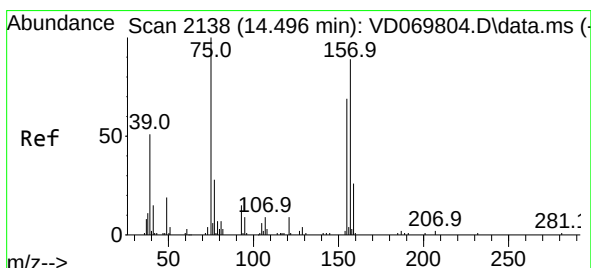
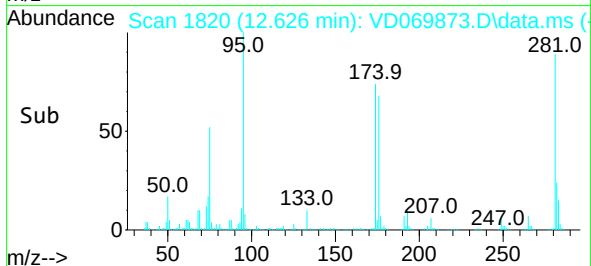
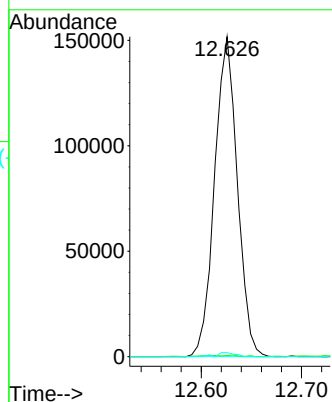


#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.586 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069873.D
 Acq: 27 Jul 2021 18:20

Instrument :
 MSVOA_D
 ClientSampleId :

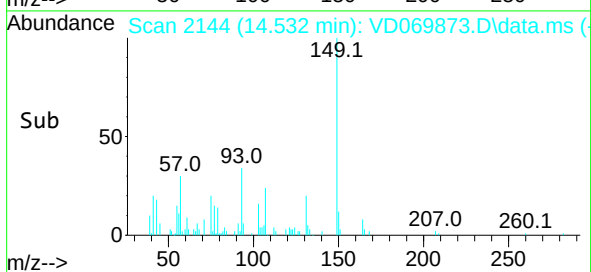
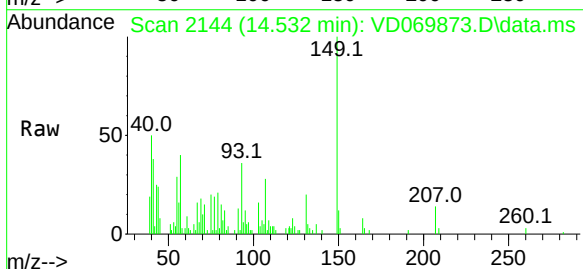
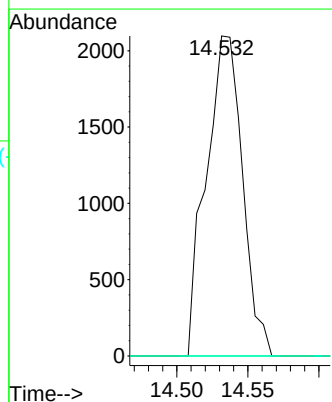


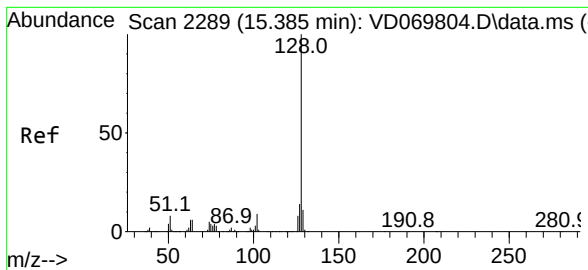
Tgt Ion: 75 Resp: 239284
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.2 100.8#
 89 1.1 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.356 ug/l
 RT: 14.532 min Scan# 2144
 Delta R.T. 0.035 min
 Lab File: VD069873.D
 Acq: 27 Jul 2021 18:20

Tgt Ion: 75 Resp: 3735
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.3 108.9#
 157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.132 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069873.D
Acq: 27 Jul 2021 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.6	10.6	16.0#
129	0.0	8.6	12.8#

