

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069793.D
 Acq On : 21 Jul 2021 16:14
 Operator : VA/SY
 Sample : M3094-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:41:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

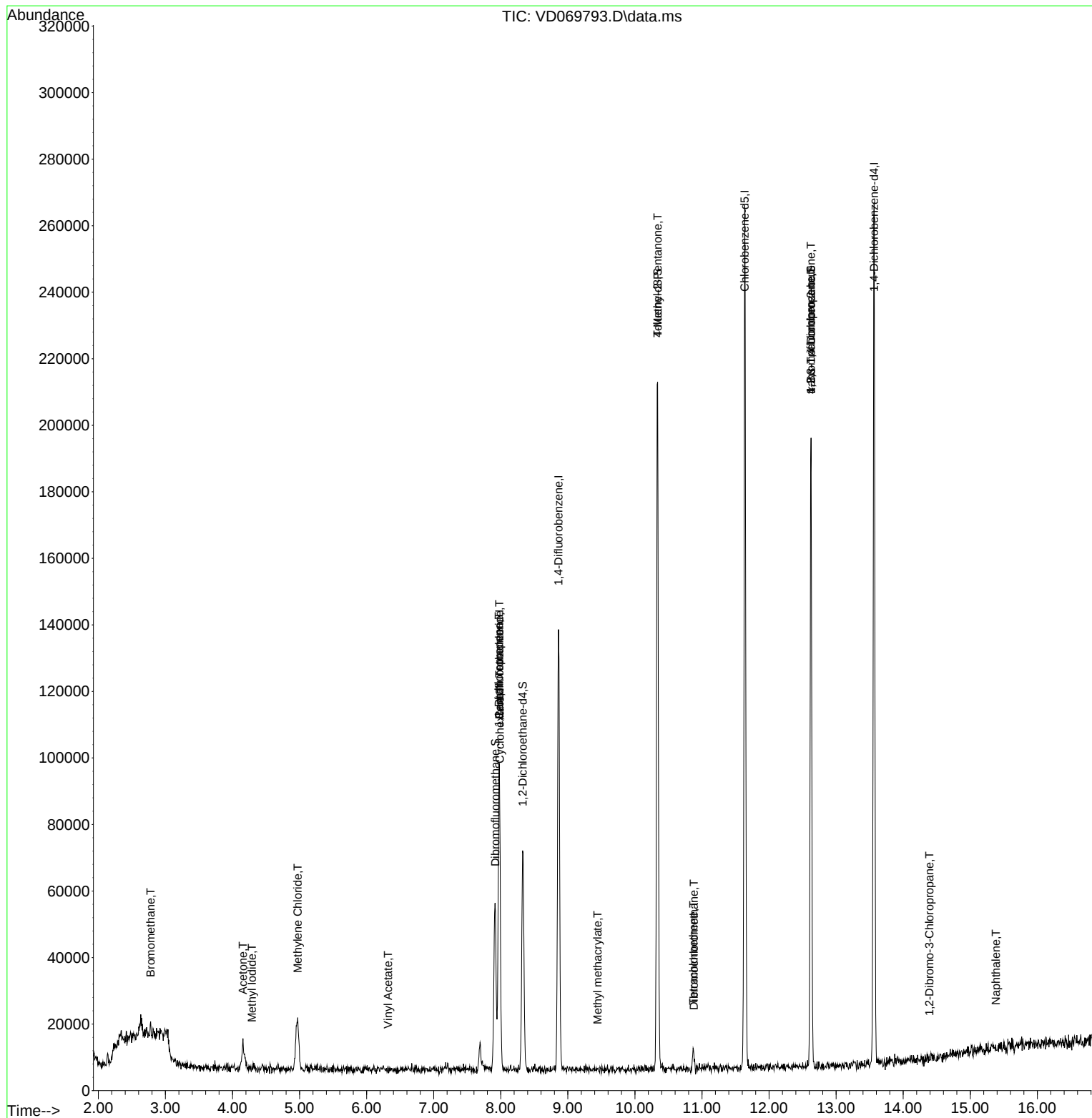
Internal Standards						
1) Pentafluorobenzene	7.979	168	64758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	113528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	147841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	68065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54193	67.022	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.040%			
35) Dibromofluoromethane	7.920	113	36896	48.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.880%			
50) Toluene-d8	10.338	98	147804	49.951	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.626	95	65846	66.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 133.440%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2443	2.377	ug/l	82
10) Methyl Iodide	4.291	142	564	3.134	ug/l #	39
16) Acetone	4.156	43	12996	84.271	ug/l	96
18) Methyl Acetate	4.726	43	126	Below Cal	#	49
20) Methylene Chloride	4.973	84	12016	6.132	ug/l	90
23) Vinyl Acetate	6.320	43	80	15.484	ug/l #	72
31) Cyclohexane	7.985	56	1683	1.618	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	5951	5.081	ug/l #	45
38) Carbon Tetrachloride	7.979	117	7710	7.189	ug/l #	13
48) Methyl methacrylate	9.444	41	77	1.281	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	581	1.383	ug/l #	1
60) Dibromochloromethane	10.879	129	1949	2.756	ug/l #	10
64) Tetrachloroethene	10.873	164	1560	1.728	ug/l #	78
76) 1,2,3-Trichloropropane	12.626	75	31459	47.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	31459	127.859	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.390	75	150	1.043	ug/l #	8
95) Naphthalene	15.384	128	98	2.249	ug/l #	69

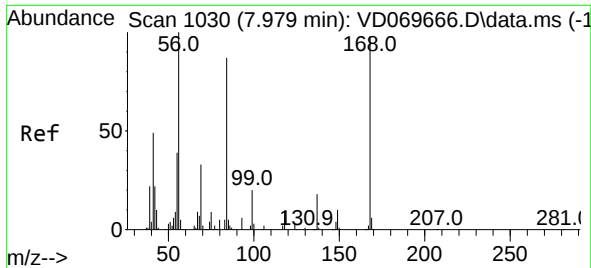
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

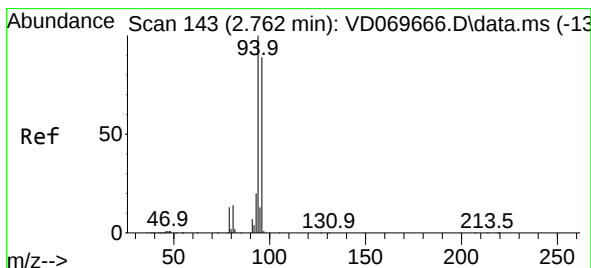
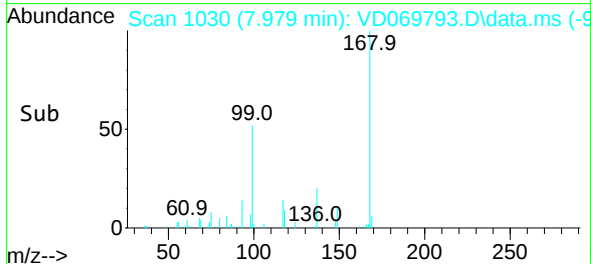
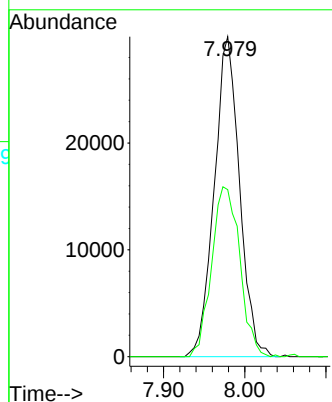
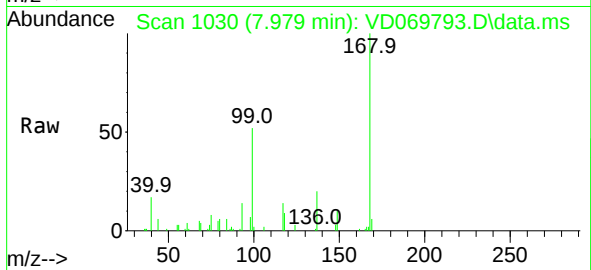




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

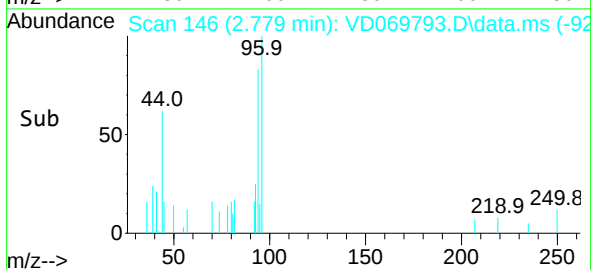
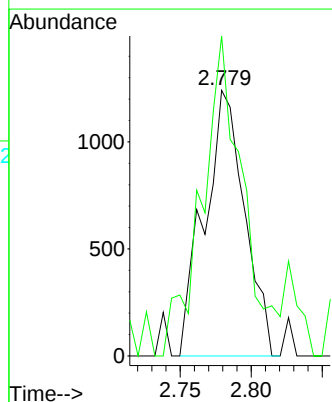
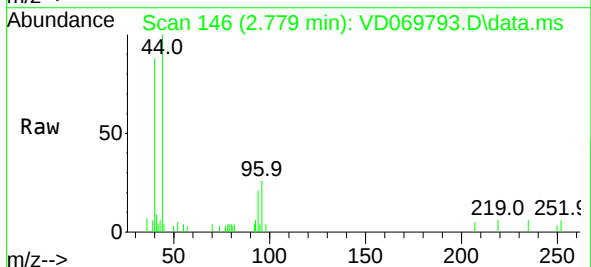
Instrument :
MSVOA_D
ClientSampled :

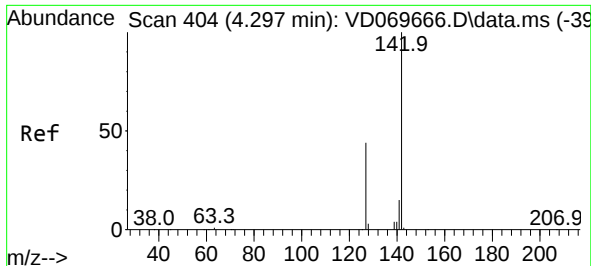
Tgt Ion:168 Resp: 64758
Ion Ratio Lower Upper
168 100
99 52.2 51.8 77.6



#5
Bromomethane
Concen: 2.377 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

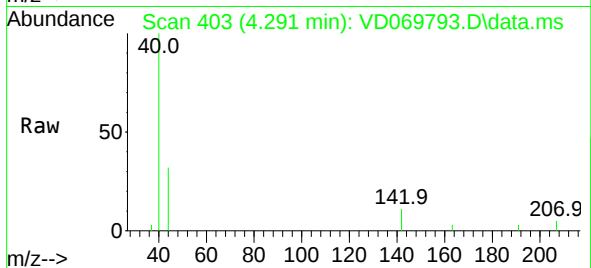
Tgt Ion: 94 Resp: 2443
Ion Ratio Lower Upper
94 100
96 105.6 71.2 106.8



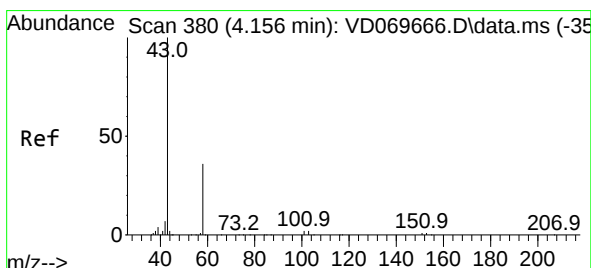
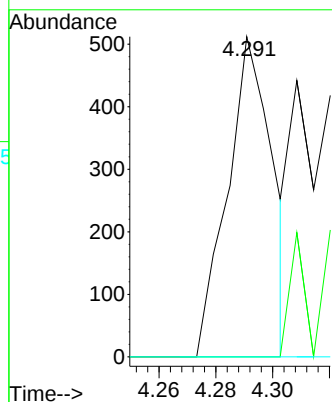
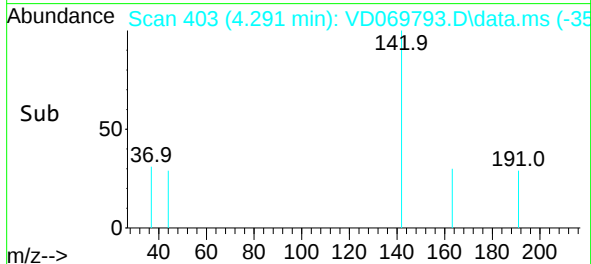


#10
Methyl Iodide
Concen: 3.134 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

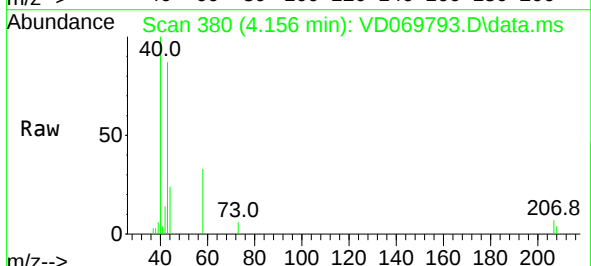
Instrument :
MSVOA_D
ClientSampled :



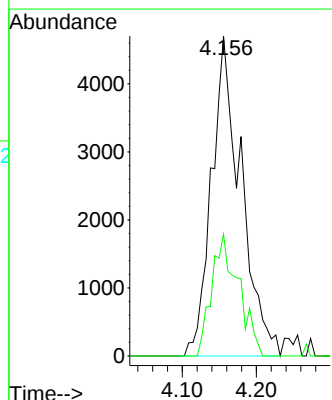
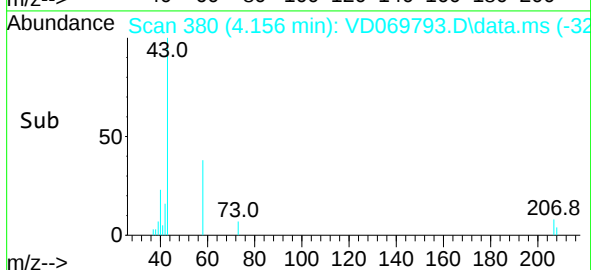
Tgt Ion:142 Resp: 564
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

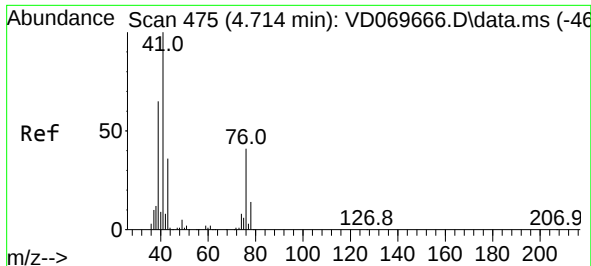


#16
Acetone
Concen: 84.271 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14



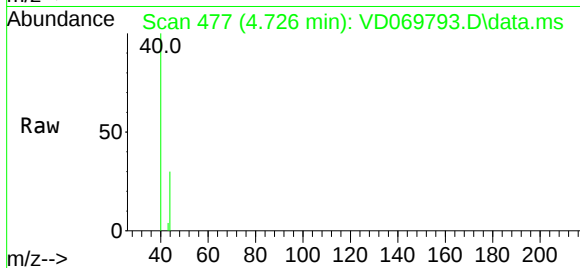
Tgt Ion: 43 Resp: 12996
Ion Ratio Lower Upper
43 100
58 38.0 28.6 42.8



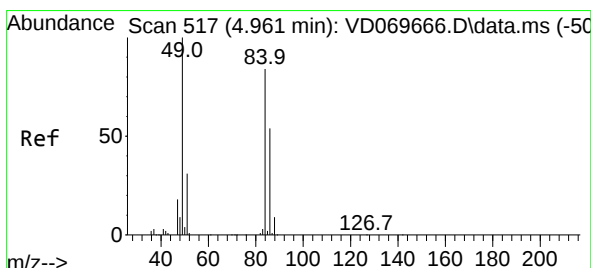
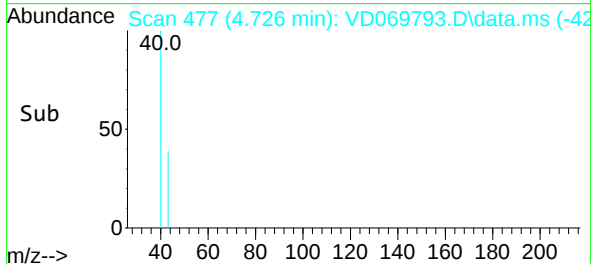
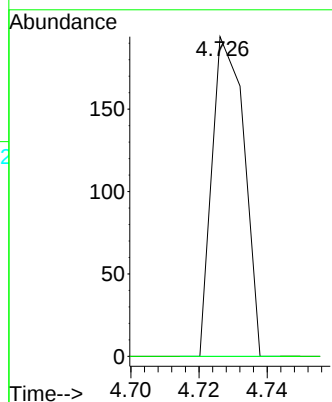


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Instrument :
MSVOA_D
ClientSampled :

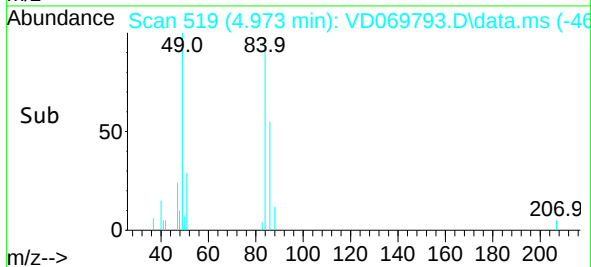
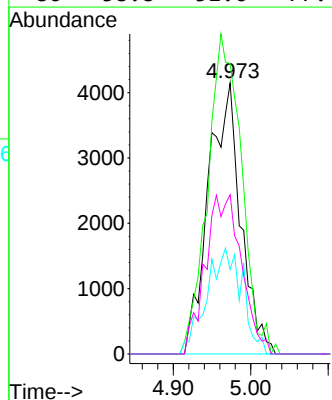
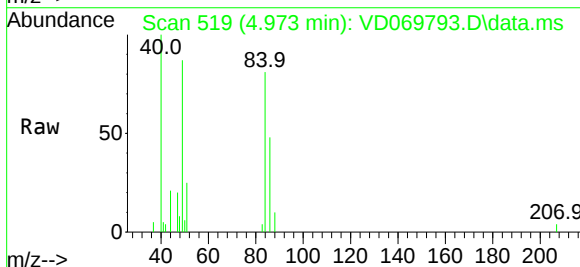


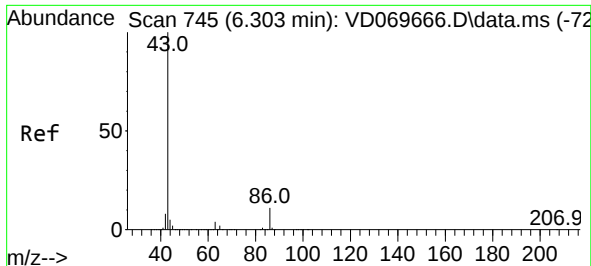
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 6.132 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

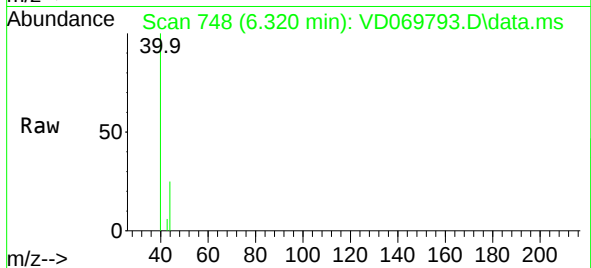
Tgt Ion: 84 Resp: 12016
Ion Ratio Lower Upper
84 100
49 107.2 95.5 143.3
51 31.2 29.7 44.5
86 58.8 51.6 77.4



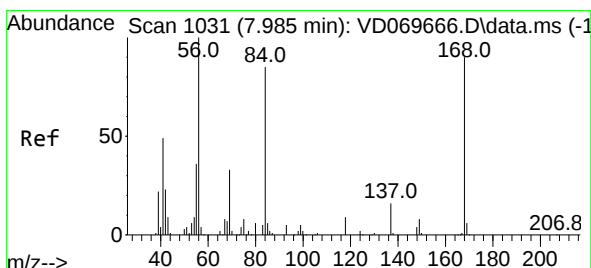
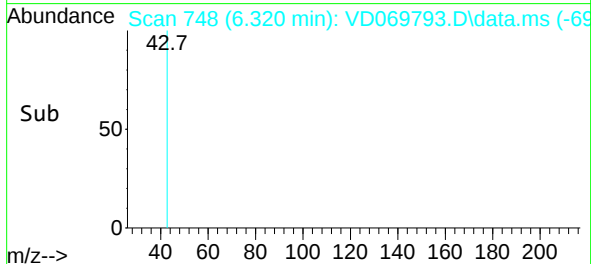
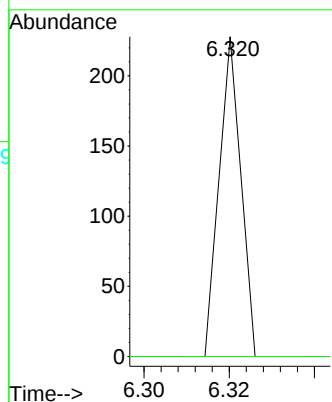


#23
 Vinyl Acetate
 Concen: 15.484 ug/l
 RT: 6.320 min Scan# 748
 Delta R.T. 0.017 min
 Lab File: VD069793.D
 Acq: 21 Jul 2021 16:14

Instrument :
 MSVOA_D
 ClientSampled :

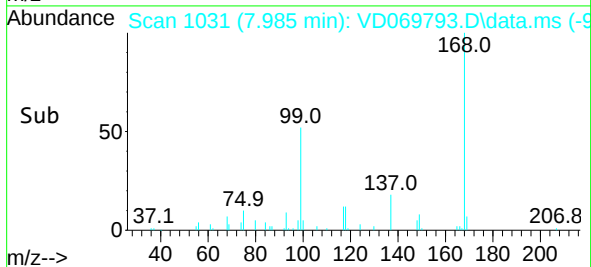
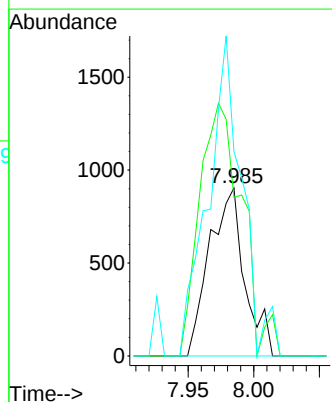
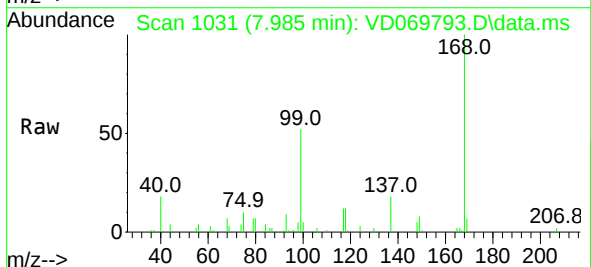


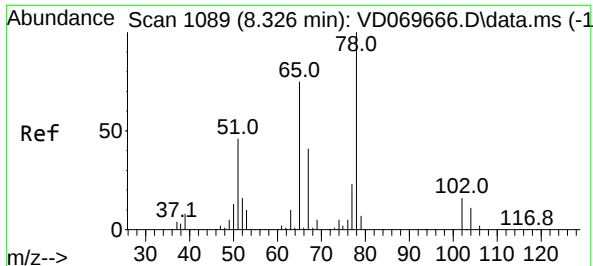
Tgt Ion: 43 Resp: 80
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.618 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. -0.000 min
 Lab File: VD069793.D
 Acq: 21 Jul 2021 16:14

Tgt Ion: 56 Resp: 1683
 Ion Ratio Lower Upper
 56 100
 69 94.4 26.6 39.8#
 84 121.6 68.2 102.2#

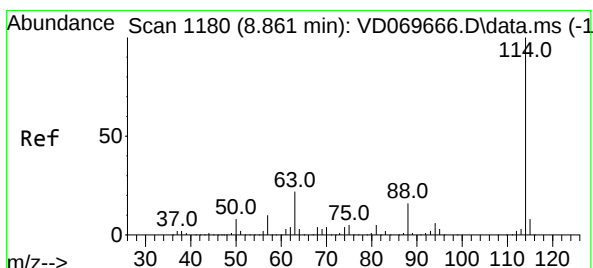
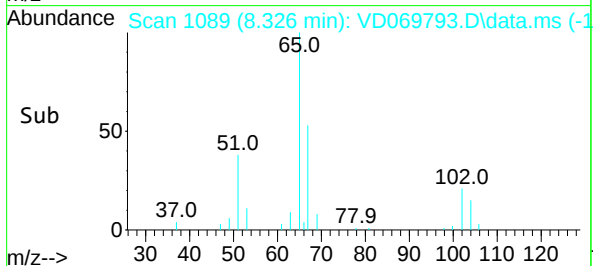
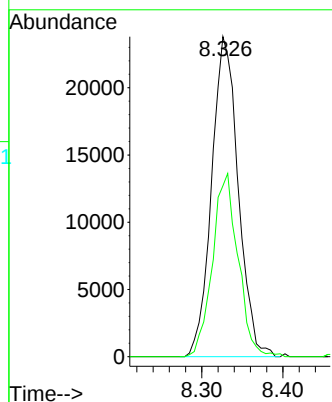
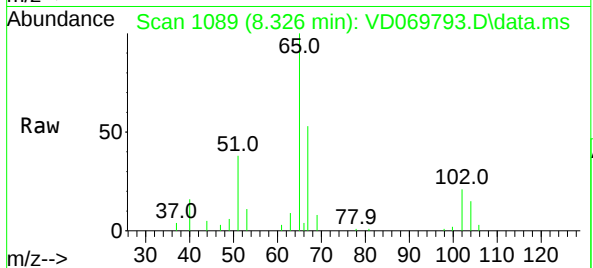




#33
1,2-Dichloroethane-d4
Concen: 67.022 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

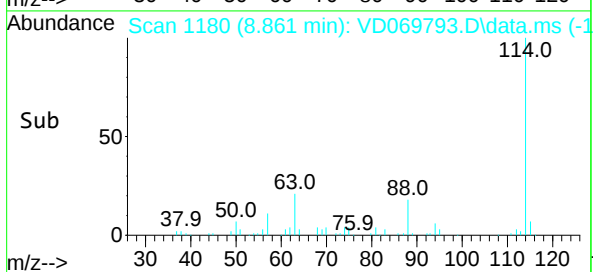
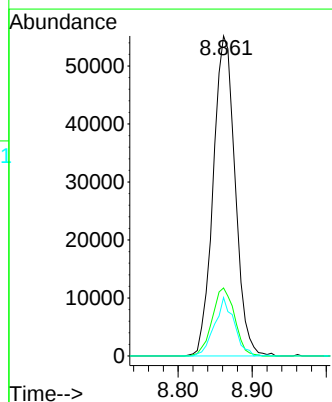
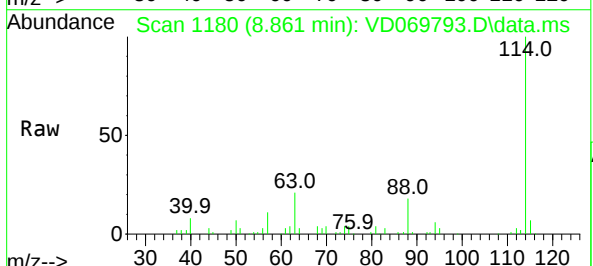
Instrument :
MSVOA_D
ClientSampled :

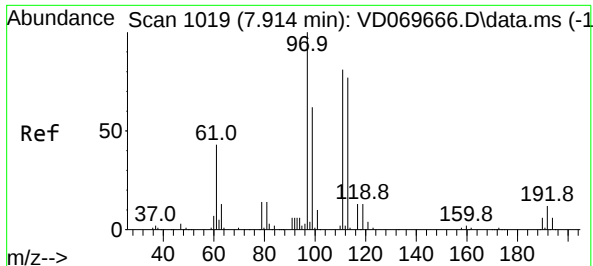
Tgt Ion: 65 Resp: 54193
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion: 114 Resp: 113528
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.4
88 18.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.443 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069793.D

Acq: 21 Jul 2021 16:14

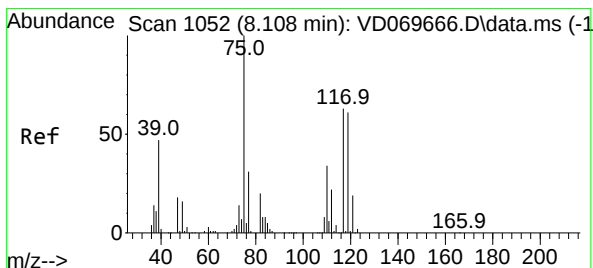
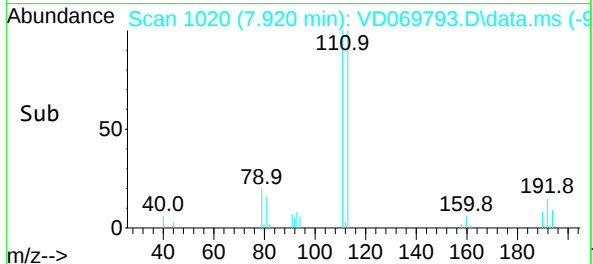
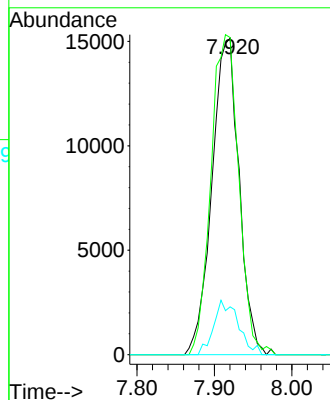
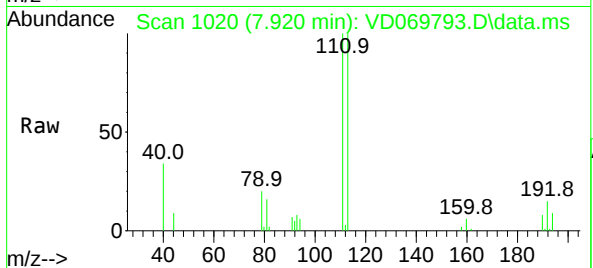
Tgt Ion:113 Resp: 36896

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 15.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.081 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069793.D

Acq: 21 Jul 2021 16:14

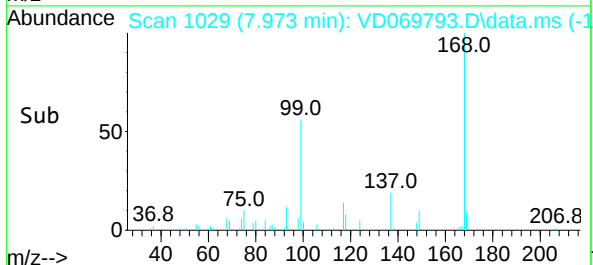
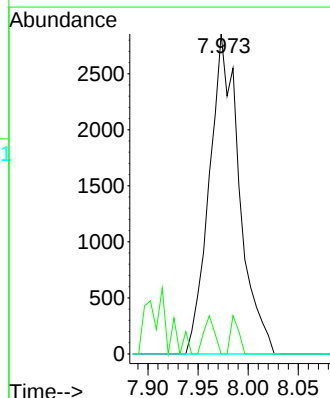
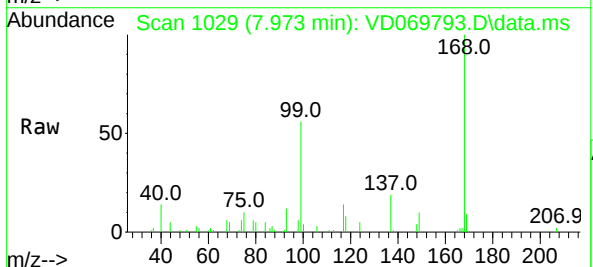
Tgt Ion: 75 Resp: 5951

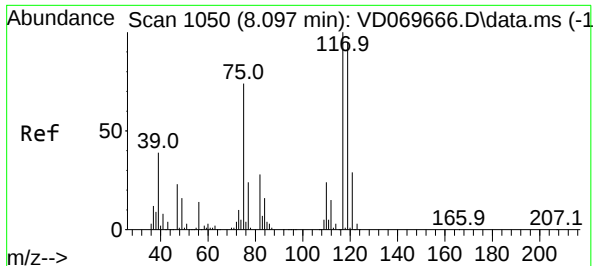
Ion Ratio Lower Upper

75 100

110 3.2 16.7 50.0#

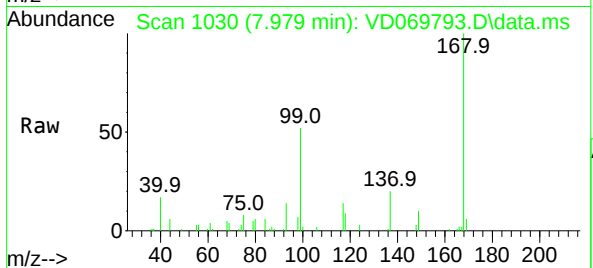
77 0.0 25.3 37.9#



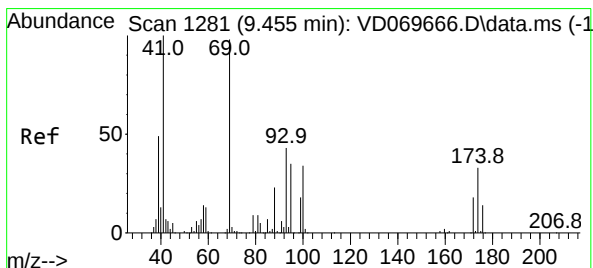
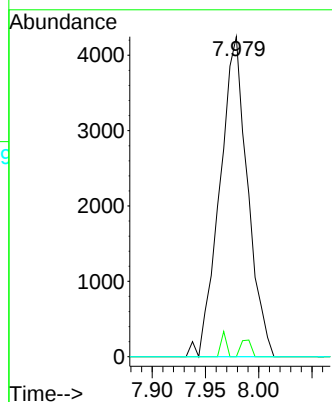
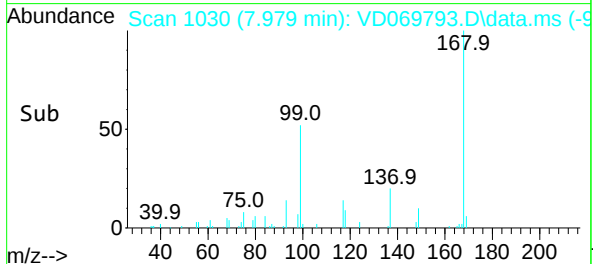


#38
Carbon Tetrachloride
Concen: 7.189 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

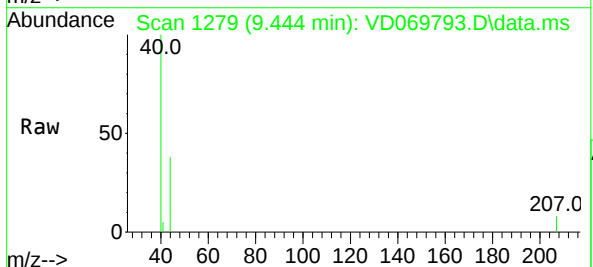
Instrument :
MSVOA_D
ClientSampled :



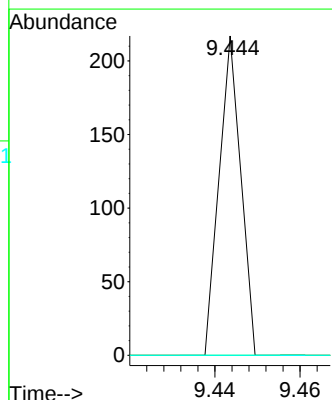
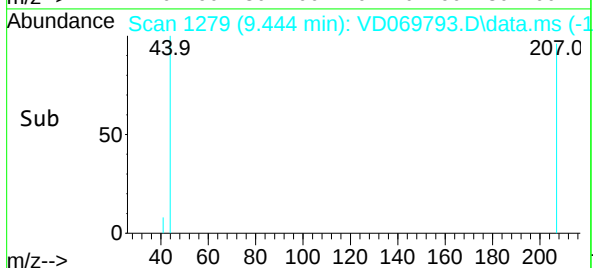
Tgt Ion:117 Resp: 7710
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

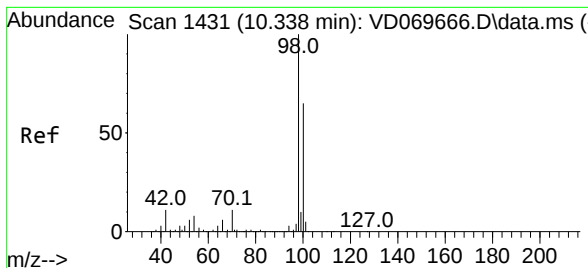


#48
Methyl methacrylate
Concen: 1.281 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.011 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14



Tgt Ion: 41 Resp: 77
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#

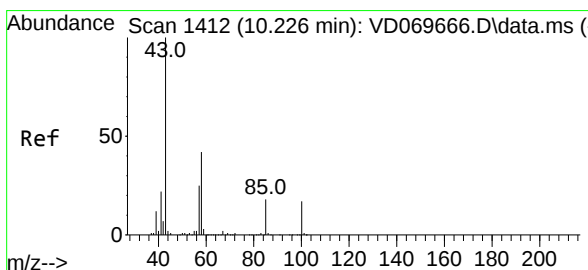
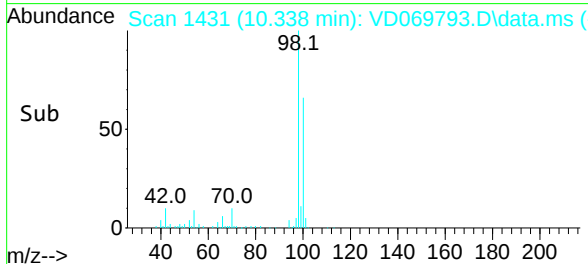
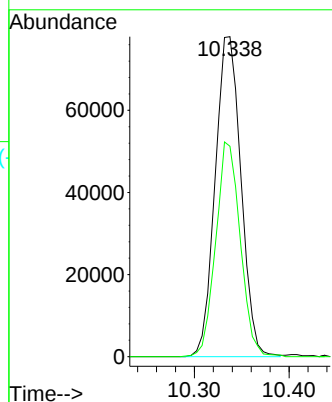
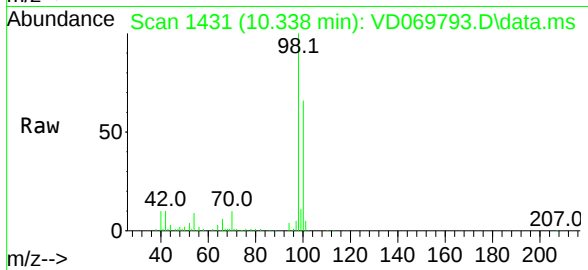




#50
Toluene-d8
Concen: 49.951 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

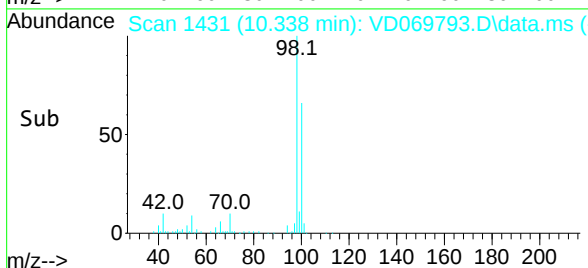
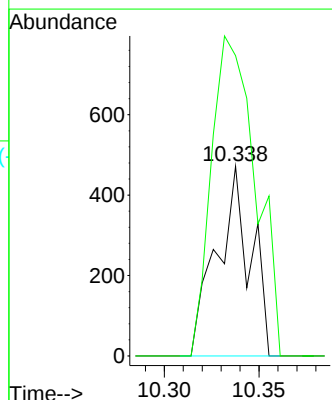
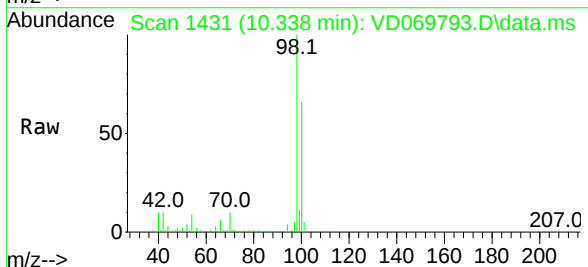
Instrument :
MSVOA_D
ClientSampleId :

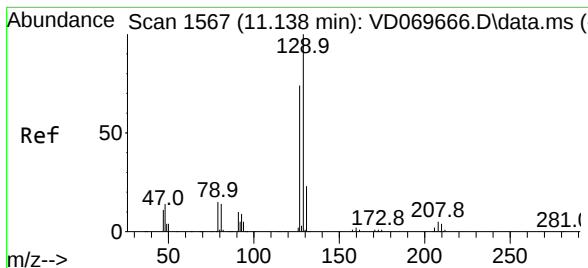
Tgt Ion: 98 Resp: 147804
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 221.7 33.5 50.3#

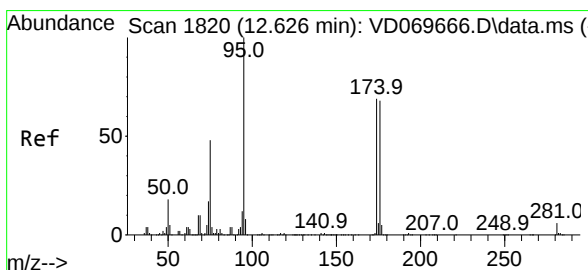
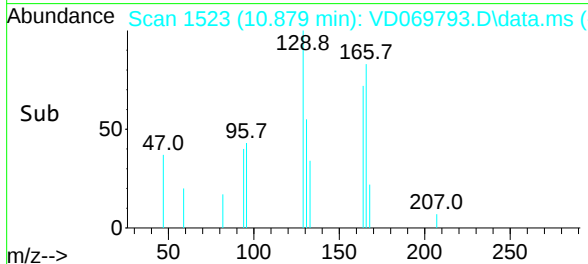
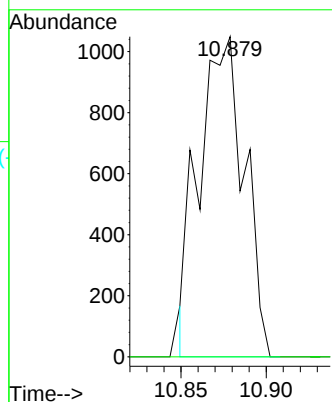
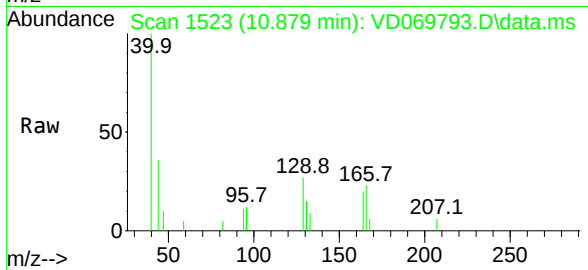




#60
Dibromochloromethane
Concen: 2.756 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.259 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

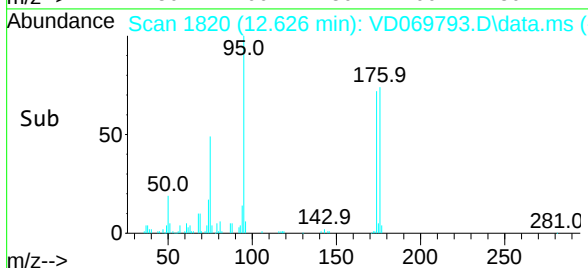
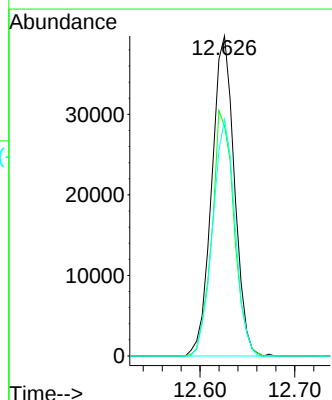
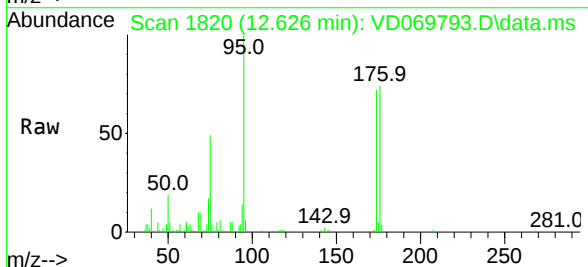
Instrument :
MSVOA_D
ClientSampled :

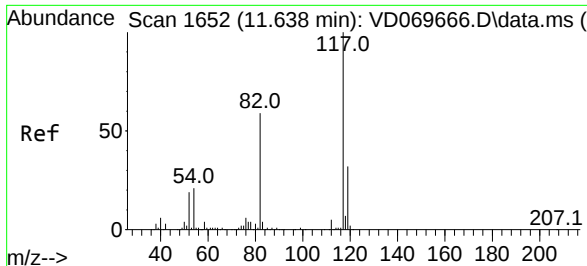
Tgt Ion:129 Resp: 1949
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 66.724 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion: 95 Resp: 65846
Ion Ratio Lower Upper
95 100
174 74.8 0.0 140.0
176 73.2 0.0 136.2

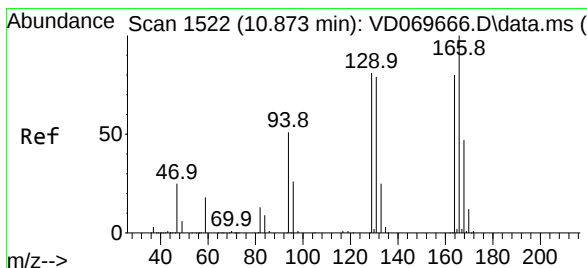
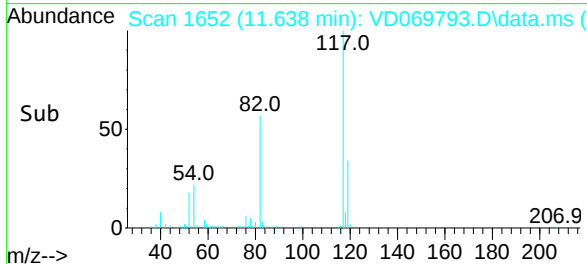
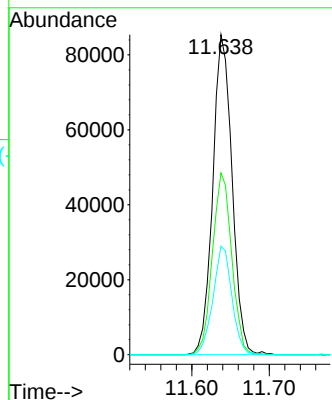
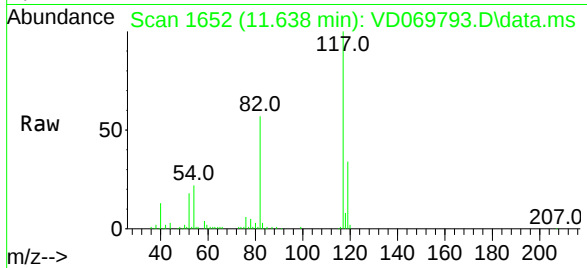




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

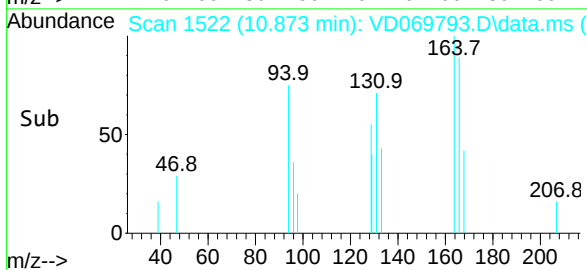
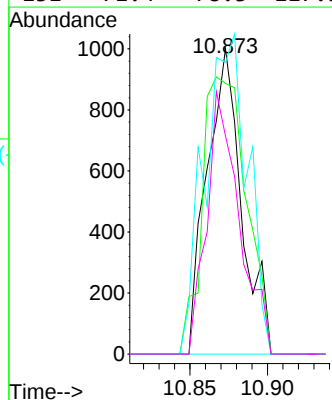
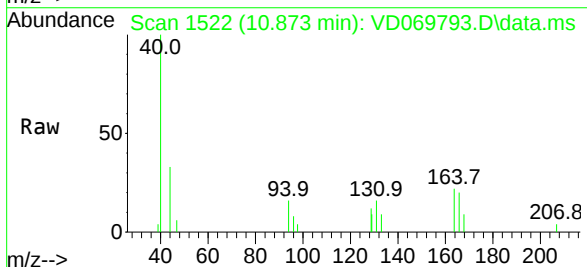
Instrument :
MSVOA_D
ClientSampleId :

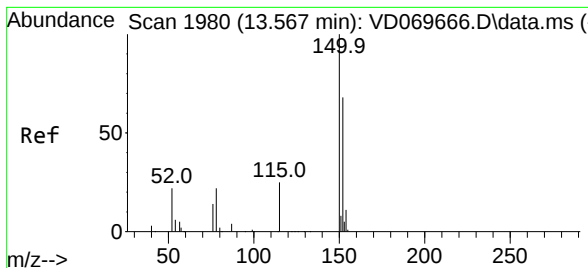
Tgt Ion:117 Resp: 147841
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 34.0 25.5 38.3



#64
Tetrachloroethene
Concen: 1.728 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion:164 Resp: 1560
Ion Ratio Lower Upper
164 100
166 88.6 99.6 149.4#
129 95.4 80.8 121.2
131 71.4 78.3 117.5#

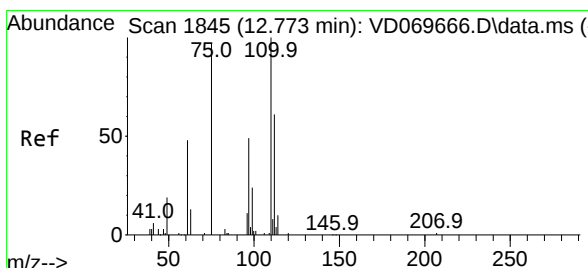
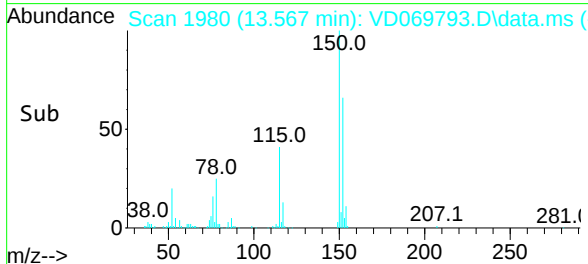
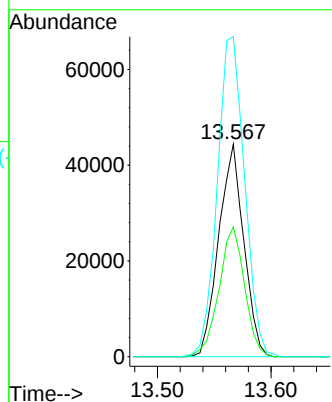
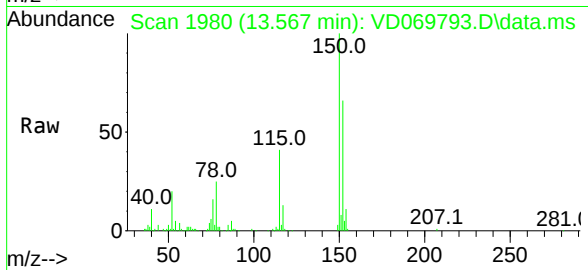




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

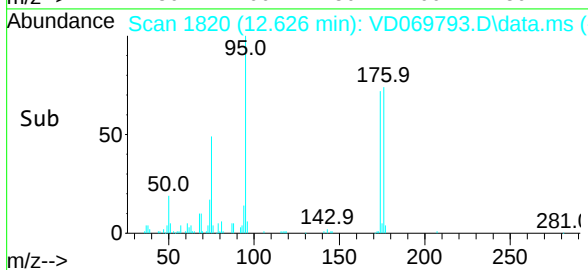
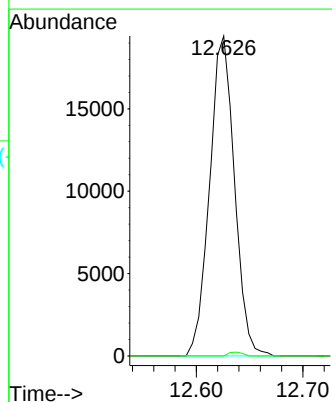
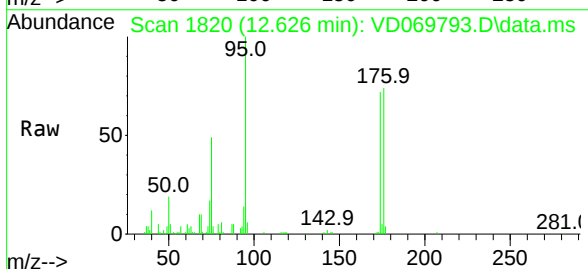
Instrument :
MSVOA_D
ClientSampleId :

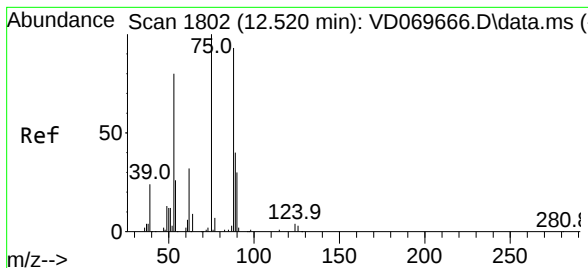
Tgt Ion:152 Resp: 68065
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 163.9 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 47.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion: 75 Resp: 31459
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

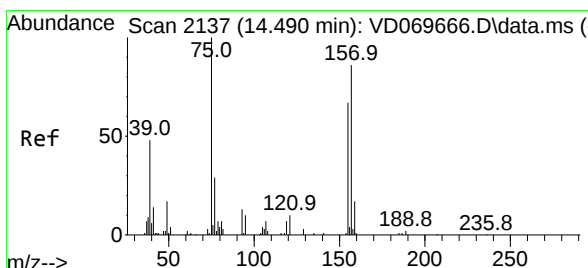
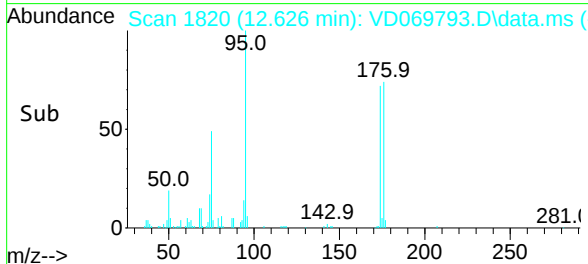
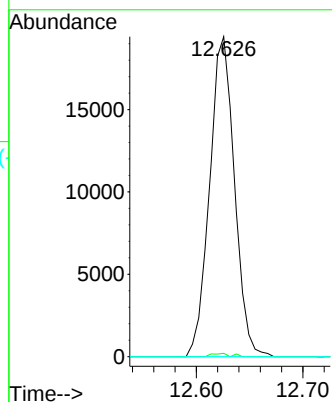
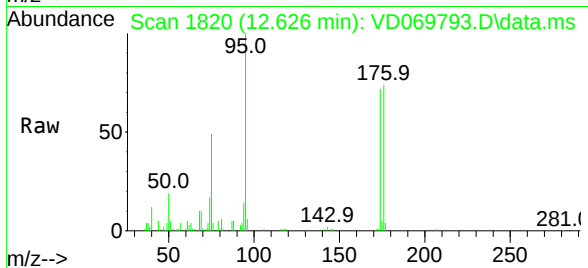




#81
trans-1,4-Dichloro-2-butene
Concen: 127.859 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

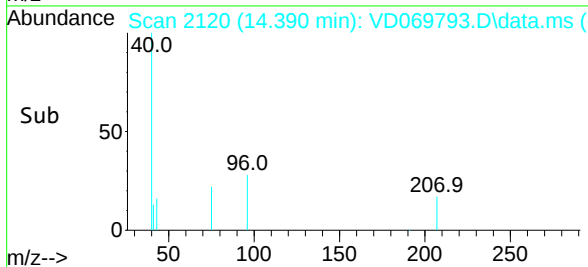
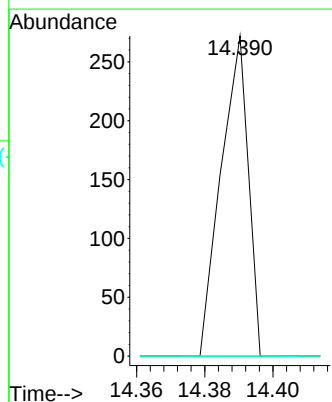
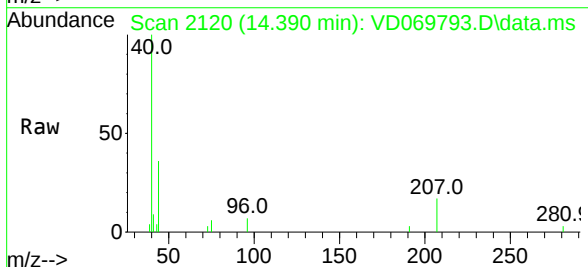
Instrument :
MSVOA_D
ClientSampled :

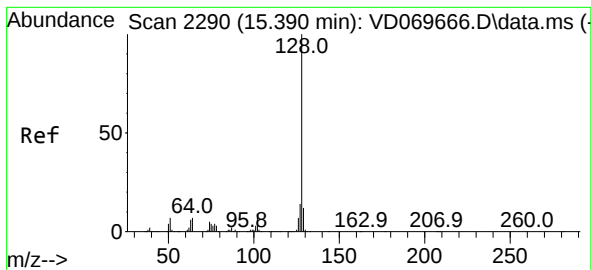
Tgt Ion: 75 Resp: 31459
Ion Ratio Lower Upper
75 100
53 0.8 70.6 106.0#
89 0.0 35.1 52.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.043 ug/l
RT: 14.390 min Scan# 2120
Delta R.T. -0.100 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Tgt Ion: 75 Resp: 150
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#





#95
Naphthalene
Concen: 2.249 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069793.D
Acq: 21 Jul 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 98
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

