

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069922.D
 Acq On : 29 Jul 2021 20:18
 Operator : VA/SY
 Sample : M3228-01
 Misc : 9.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:59:00 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)

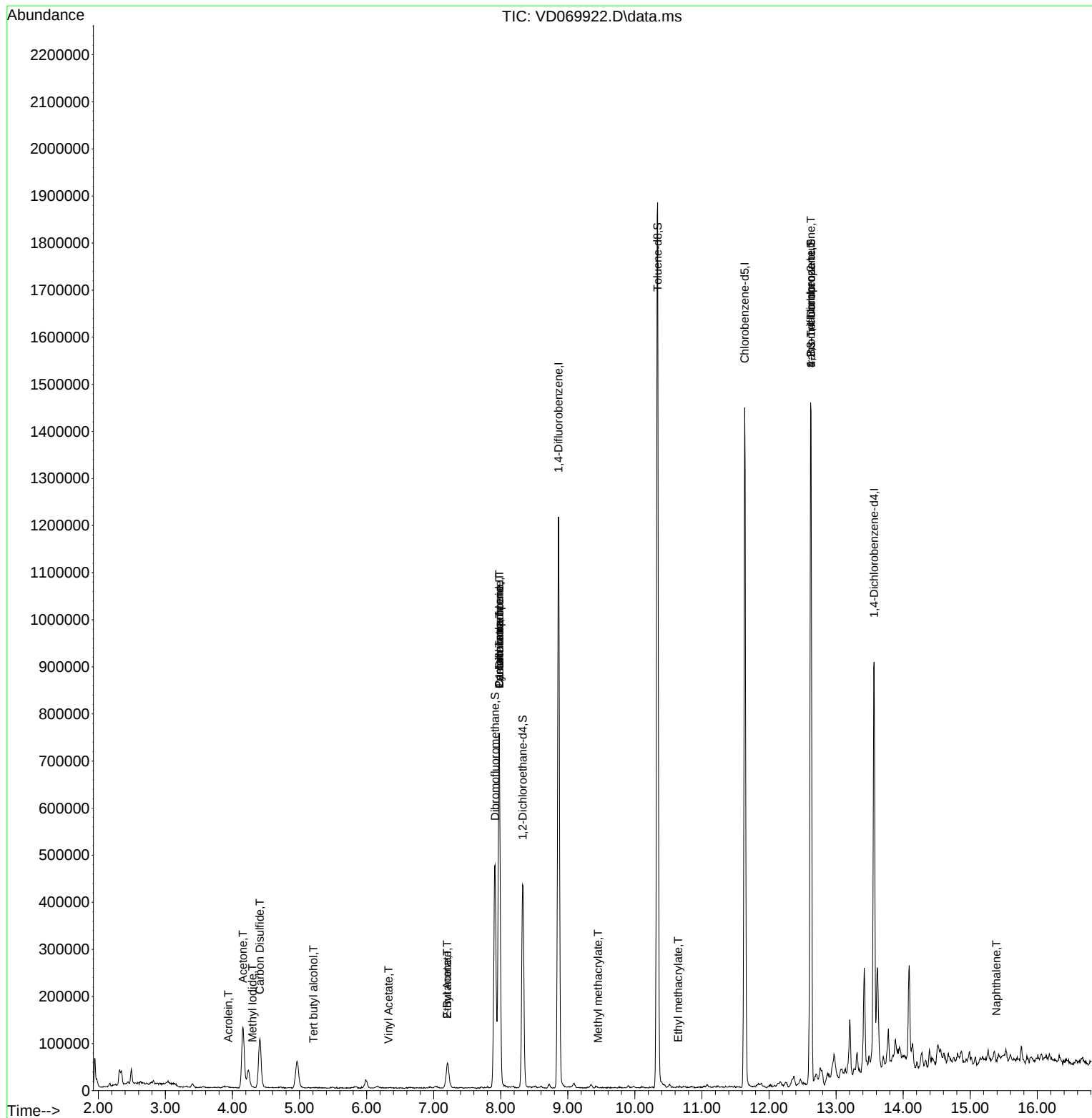
Internal Standards						
1) Pentafluorobenzene	7.979	168	521253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1007482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	845912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	235007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	347761	58.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.020%	
35) Dibromofluoromethane	7.914	113	355609	55.991	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.980%	
50) Toluene-d8	10.338	98	1298458	53.021	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.626	95	330463	40.377	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1627	Below Cal	#	28
10) Methyl Iodide	4.297	142	454	3.528	ug/l #	57
11) Tert butyl alcohol	5.209	59	718	2.315	ug/l #	73
13) Acrolein	3.938	56	4244	9.774	ug/l	87
16) Acetone	4.156	43	225396	208.131	ug/l	98
17) Carbon Disulfide	4.409	76	227456	10.667	ug/l	97
20) Methylene Chloride	4.968	84	45950	Below Cal		97
23) Vinyl Acetate	6.326	43	178	20.365	ug/l #	71
25) 2-Butanone	7.203	43	67402	45.895	ug/l	92
31) Cyclohexane	7.979	56	15824	1.351	ug/l #	12
36) 1,1-Dichloropropene	7.979	75	48699	4.479	ug/l #	50
37) Ethyl Acetate	7.203	43	67402	17.029	ug/l #	68
38) Carbon Tetrachloride	7.979	117	57119	5.751	ug/l #	20
48) Methyl methacrylate	9.450	41	141	2.782	ug/l #	2
56) Ethyl methacrylate	10.644	69	78	3.906	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	158771	63.560	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	158771	192.826	ug/l #	17
95) Naphthalene	15.390	128	2127	5.248	ug/l #	80

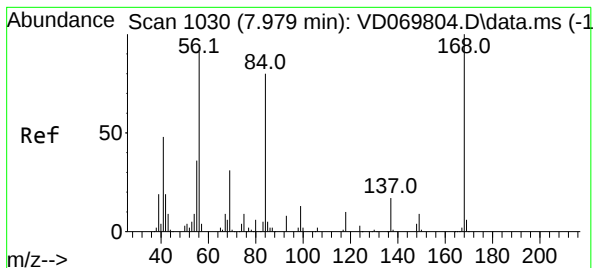
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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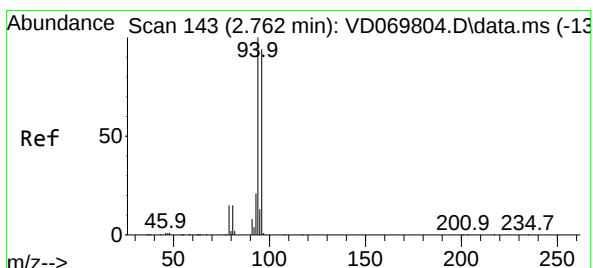
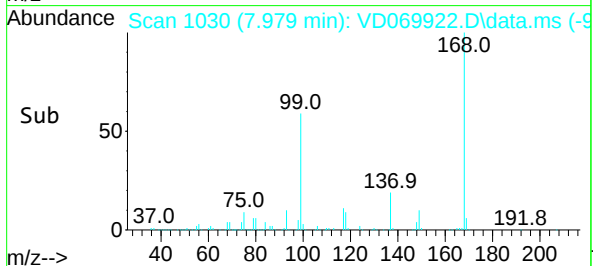
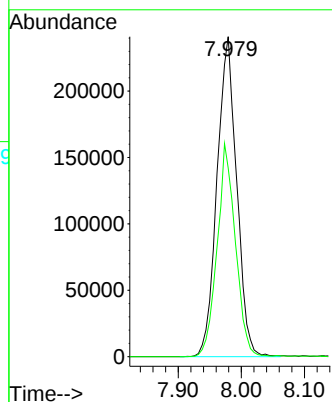
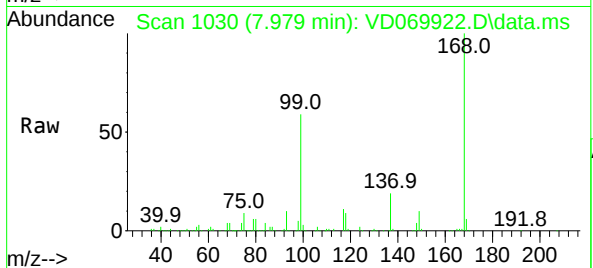




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

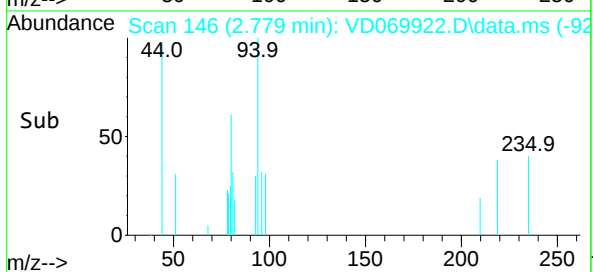
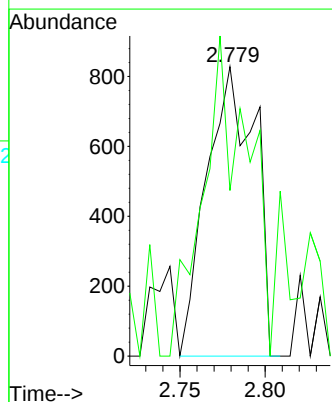
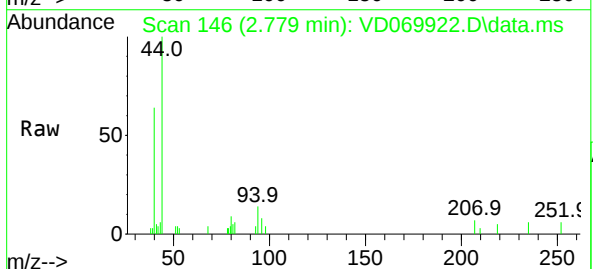
Instrument :
MSVOA_D
ClientSampleId :

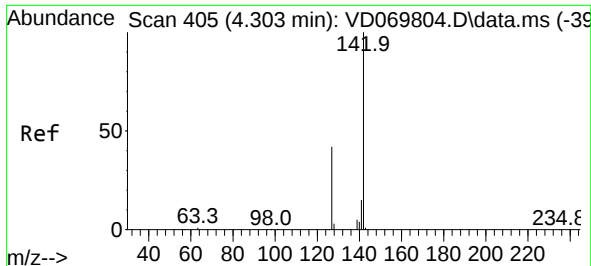
Tgt Ion:168 Resp: 521253
Ion Ratio Lower Upper
168 100
99 58.9 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 94 Resp: 1627
Ion Ratio Lower Upper
94 100
96 23.9 74.8 112.2#

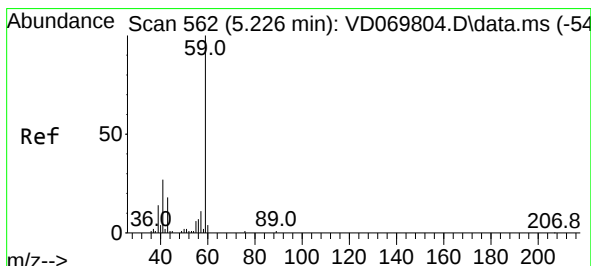
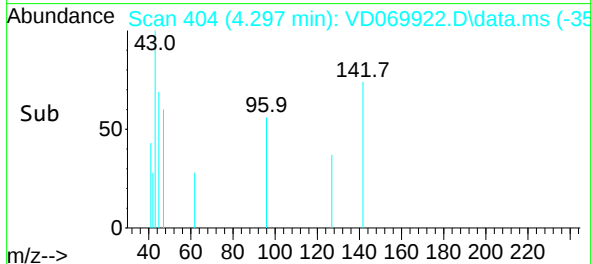
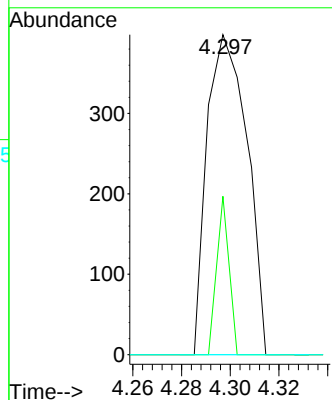
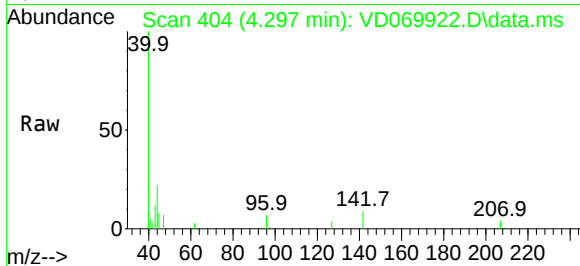




#10
Methyl Iodide
Concen: 3.528 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

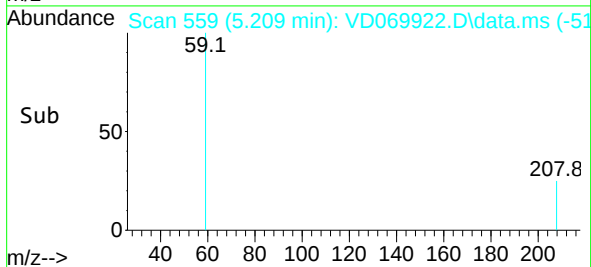
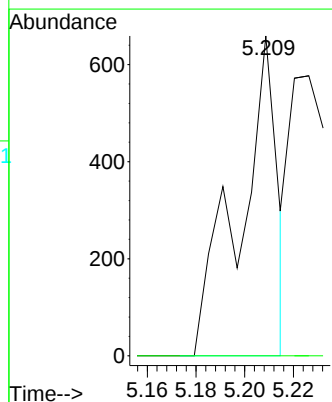
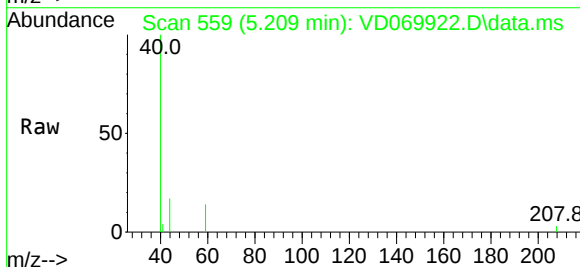
Instrument :
MSVOA_D
ClientSampleId :

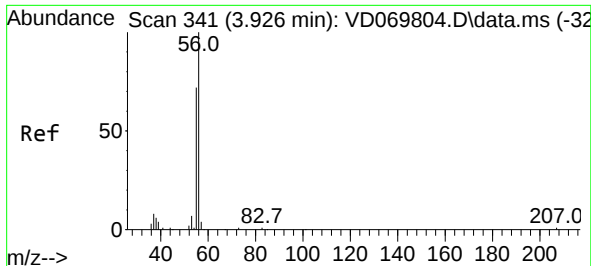
Tgt Ion:142 Resp: 454
Ion Ratio Lower Upper
142 100
127 15.2 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.315 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

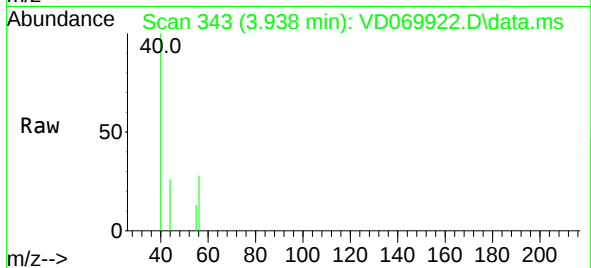
Tgt Ion: 59 Resp: 718
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



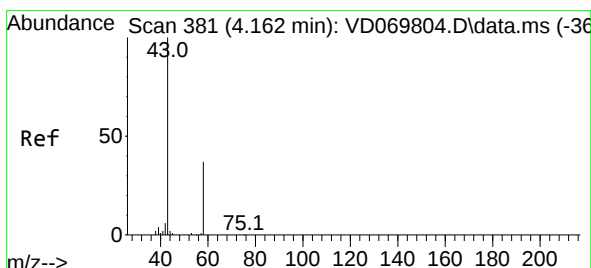
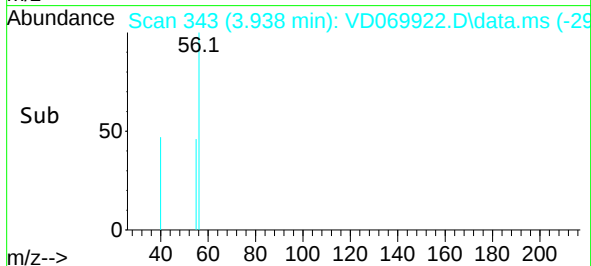
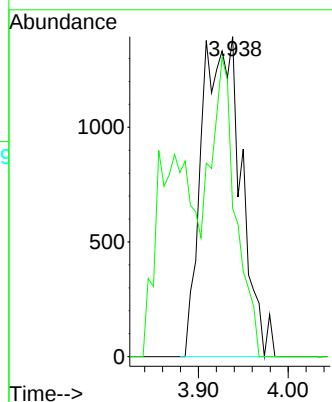


#13
Acrolein
Concen: 9.774 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Instrument :
MSVOA_D
ClientSampleId :

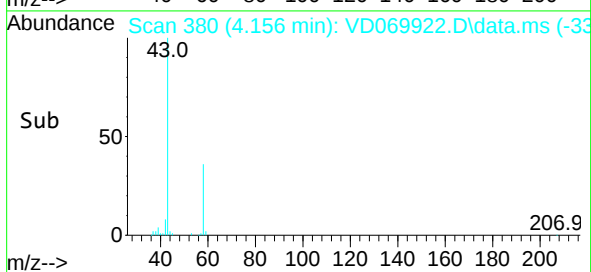
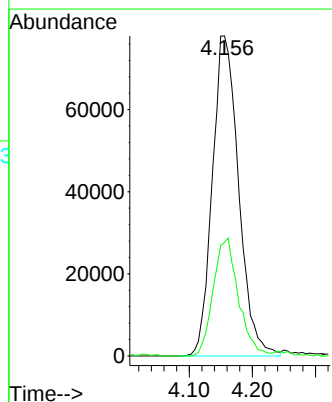
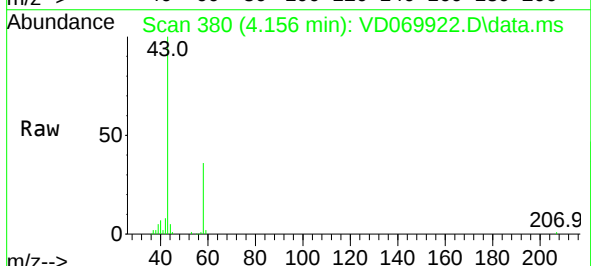


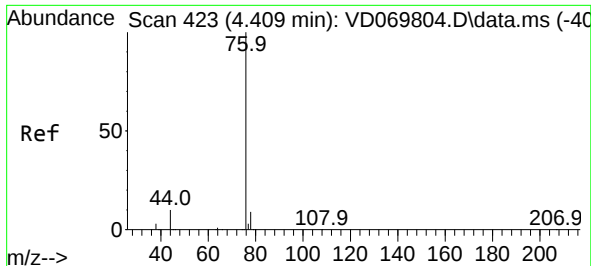
Tgt Ion: 56 Resp: 4244
Ion Ratio Lower Upper
56 100
55 61.1 57.2 85.8



#16
Acetone
Concen: 208.131 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 43 Resp: 225396
Ion Ratio Lower Upper
43 100
58 35.5 29.4 44.0

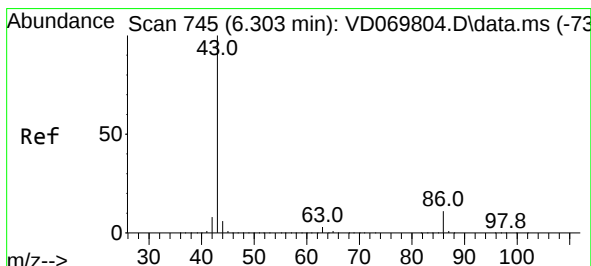
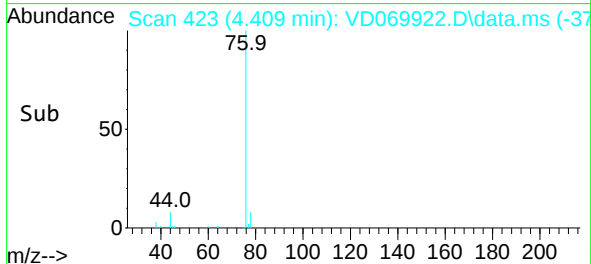
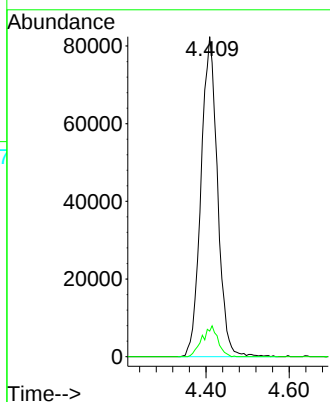
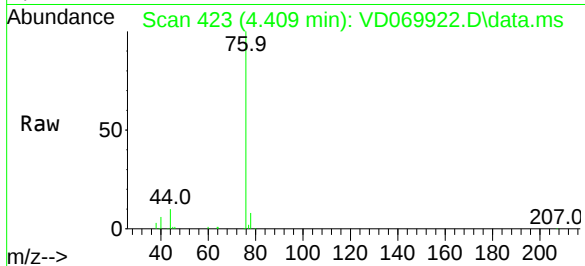




#17
Carbon Disulfide
Concen: 10.667 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

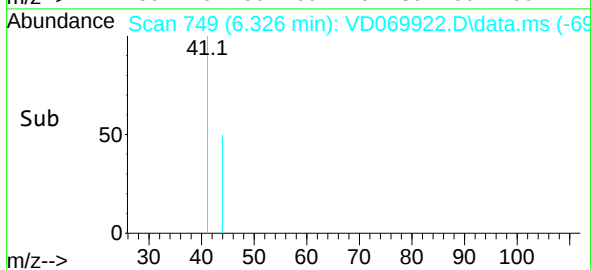
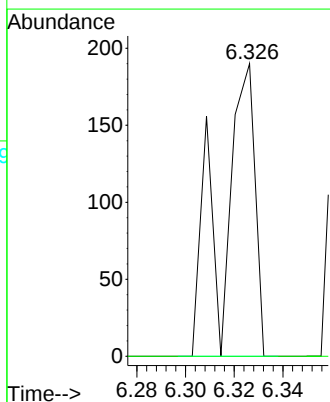
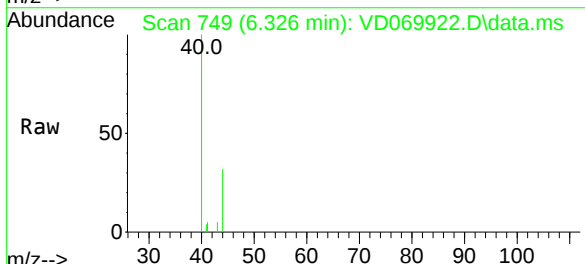
Instrument :
MSVOA_D
ClientSampled :

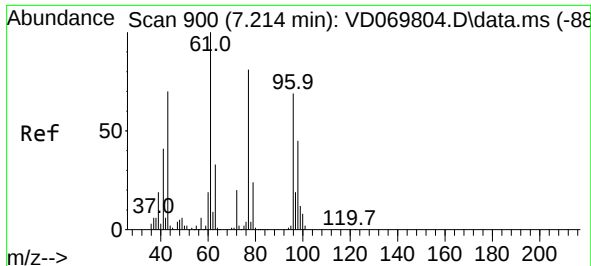
Tgt Ion: 76 Resp: 227456
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#23
Vinyl Acetate
Concen: 20.365 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

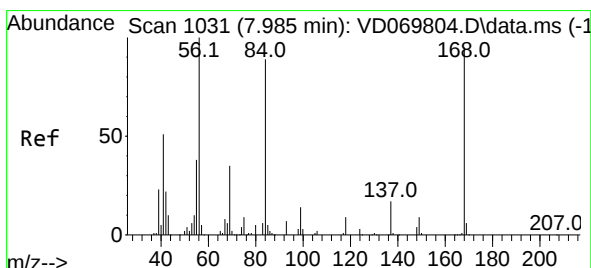
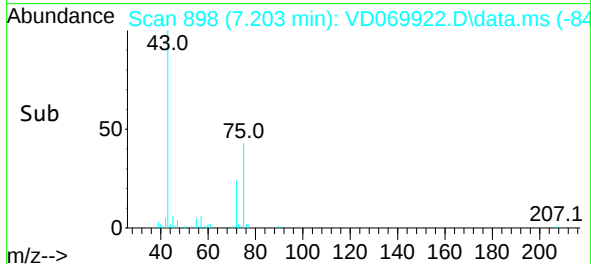
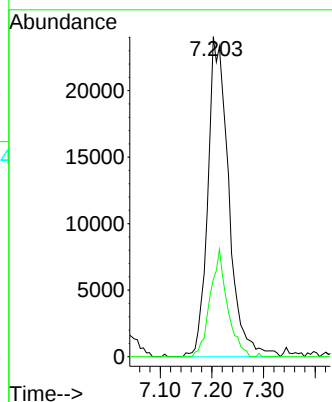
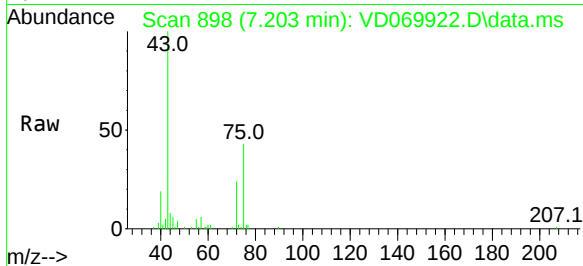




#25
2-Butanone
Concen: 45.895 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

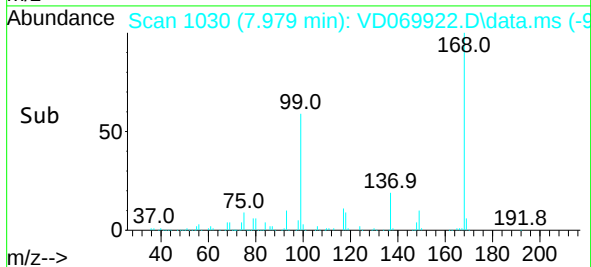
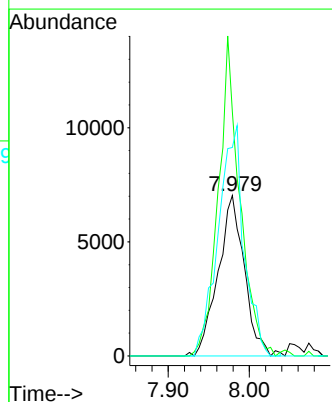
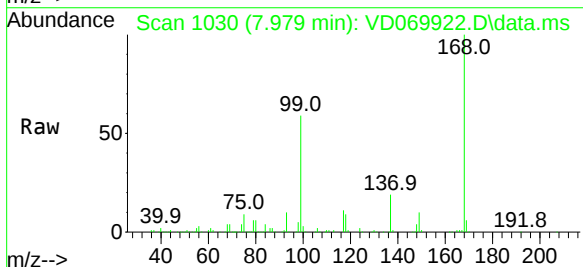
Instrument :
MSVOA_D
ClientSampled :

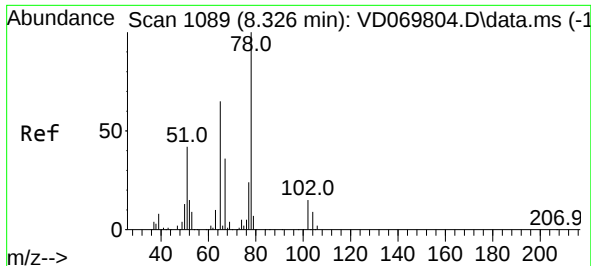
Tgt Ion: 43 Resp: 67402
Ion Ratio Lower Upper
43 100
72 24.2 22.8 34.2



#31
Cyclohexane
Concen: 1.351 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

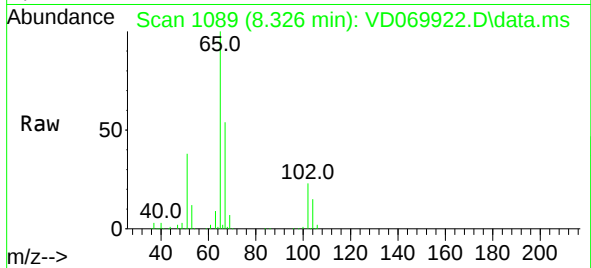
Tgt Ion: 56 Resp: 15824
Ion Ratio Lower Upper
56 100
69 152.2 27.9 41.9#
84 130.0 71.4 107.2#



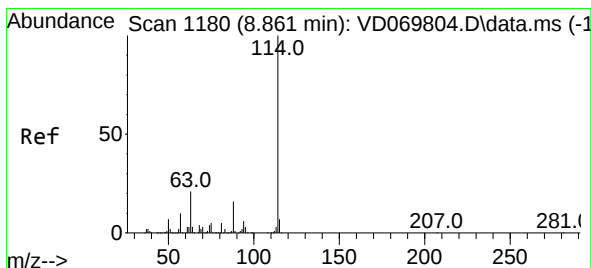
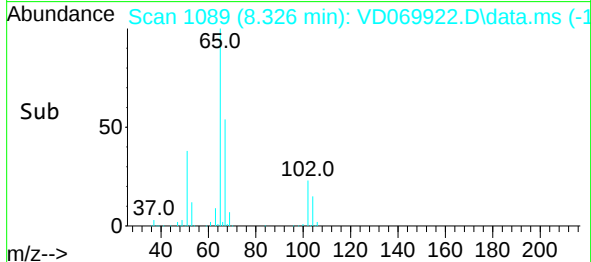
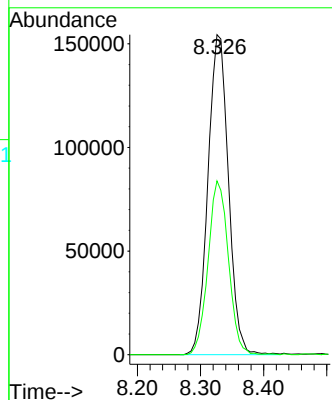


#33
1,2-Dichloroethane-d4
Concen: 58.010 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

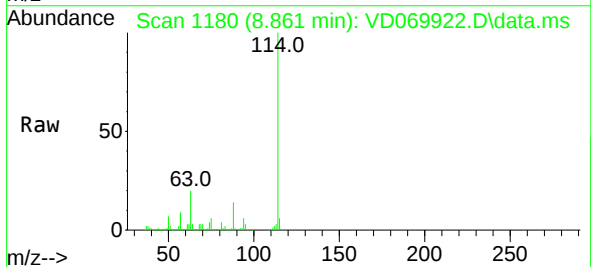
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MSVOA_D
ClientSampleId :



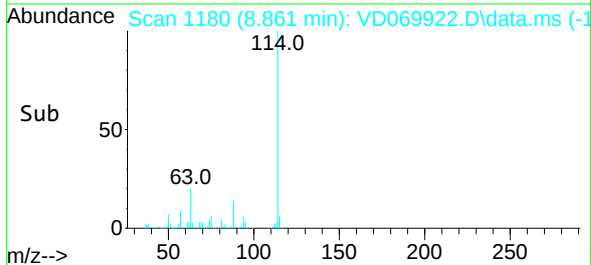
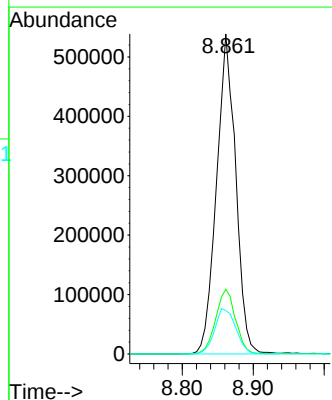
Tgt Ion: 65 Resp: 347761
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2

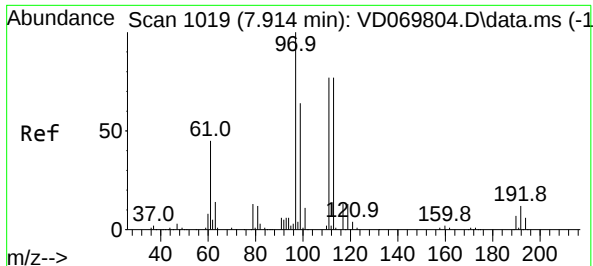


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18



Tgt Ion: 114 Resp: 1007482
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 13.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.991 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069922.D

Acq: 29 Jul 2021 20:18

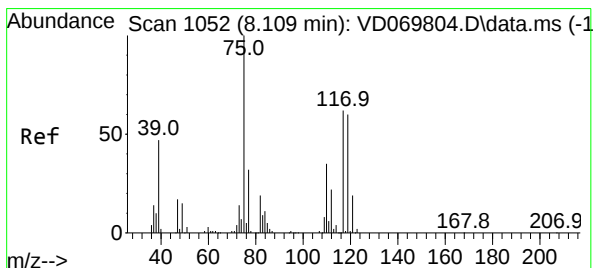
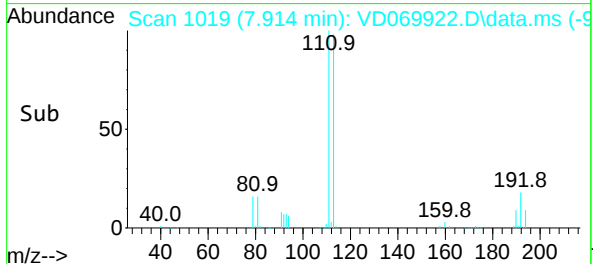
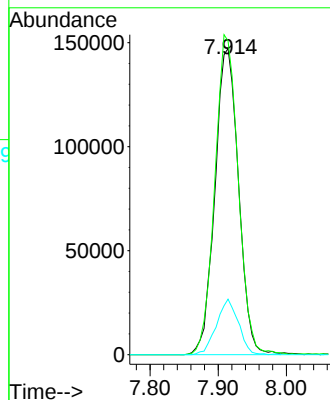
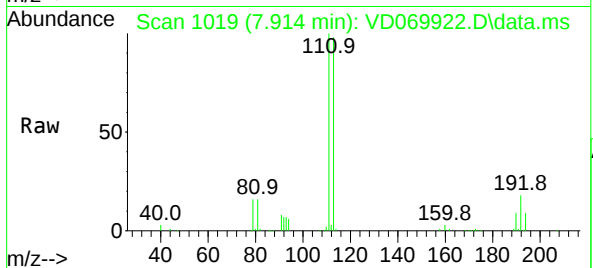
Tgt Ion:113 Resp: 355609

Ion Ratio Lower Upper

113 100

111 103.6 80.5 120.7

192 16.8 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.479 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069922.D

Acq: 29 Jul 2021 20:18

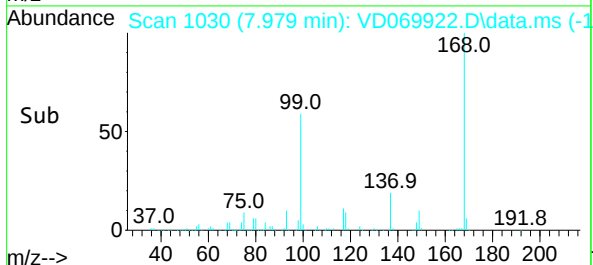
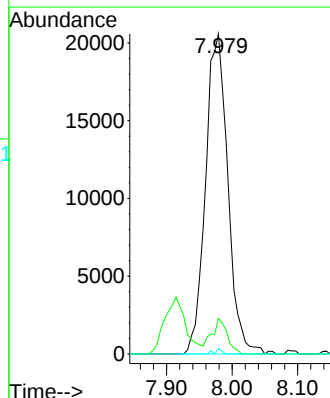
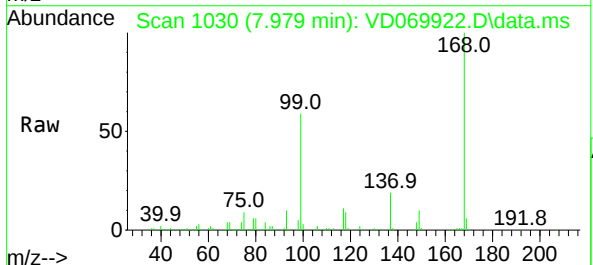
Tgt Ion: 75 Resp: 48699

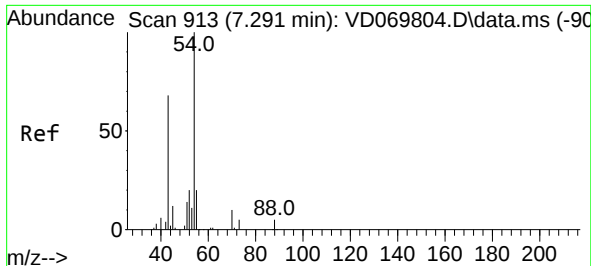
Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.7#

77 0.5 24.9 37.3#

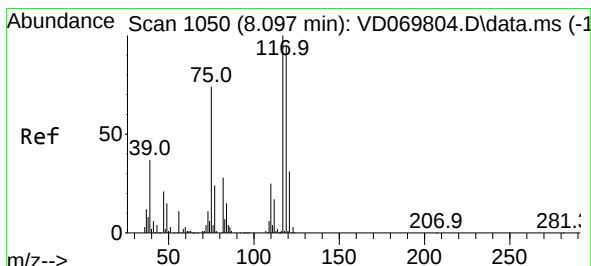
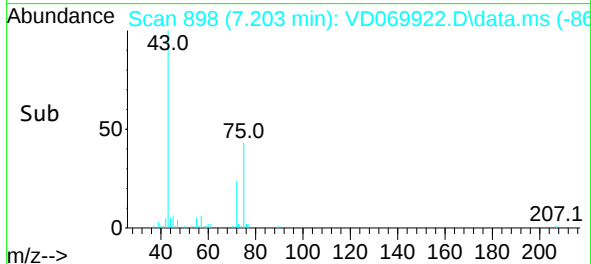
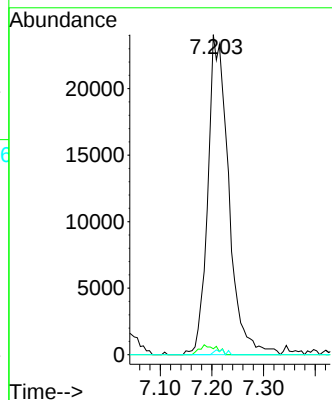
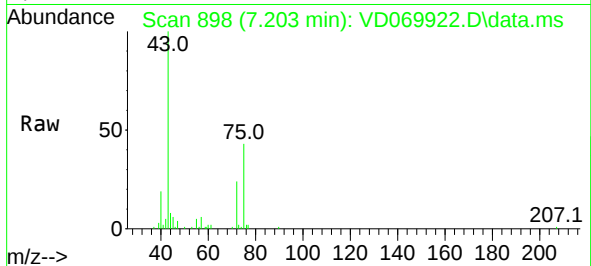




#37
Ethyl Acetate
Concen: 17.029 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

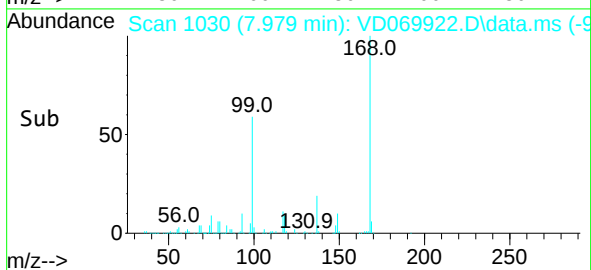
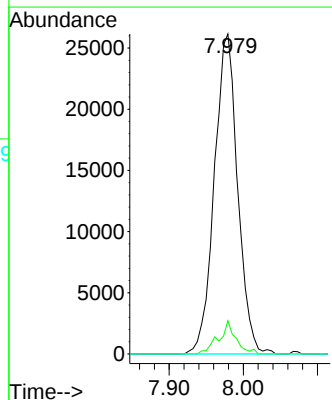
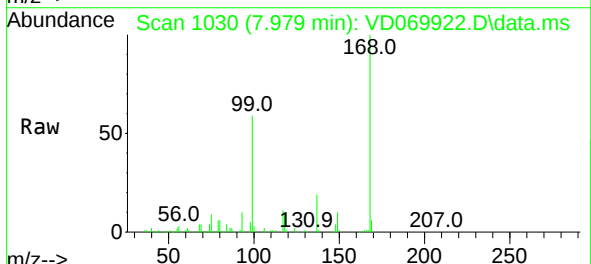
Instrument :
MSVOA_D
ClientSampleId :

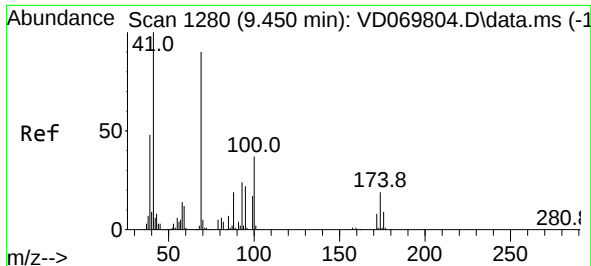
Tgt Ion: 43 Resp: 67402
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.8 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 117 Resp: 57119
Ion Ratio Lower Upper
117 100
119 10.4 76.2 114.2#
121 0.0 24.5 36.7#

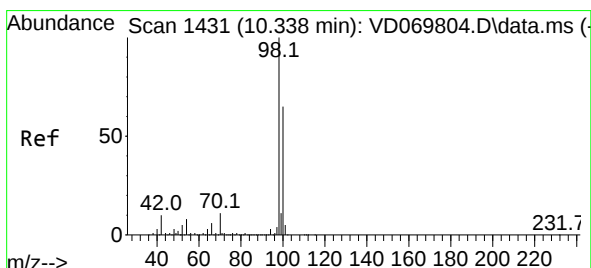
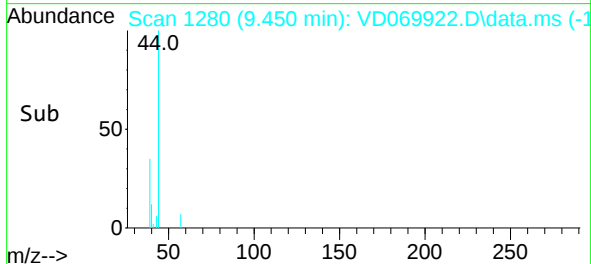
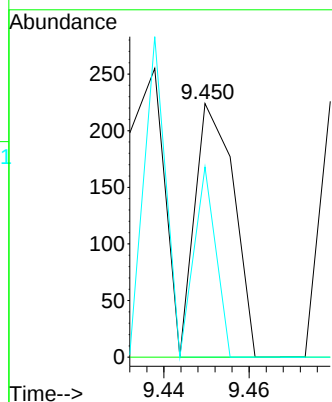
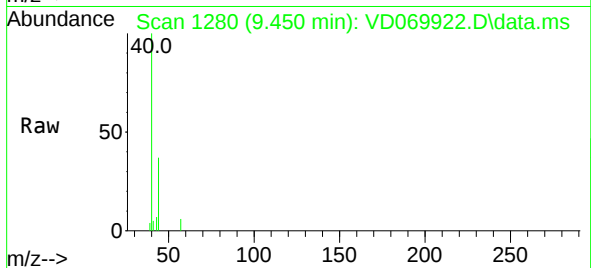




#48
Methyl methacrylate
Concen: 2.782 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

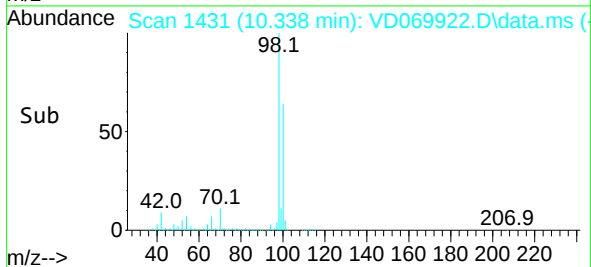
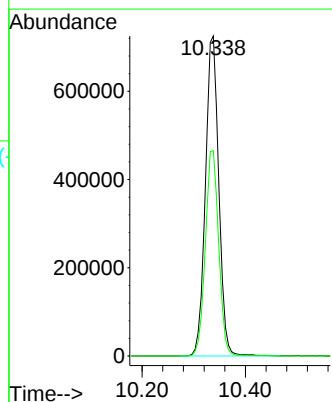
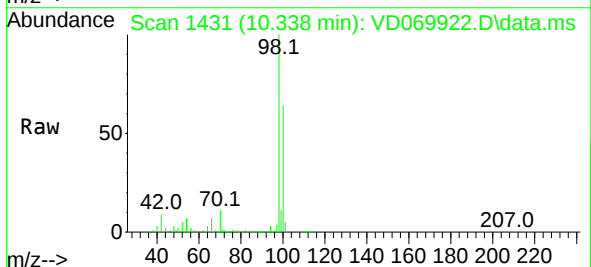
Instrument :
MSVOA_D
ClientSampled :

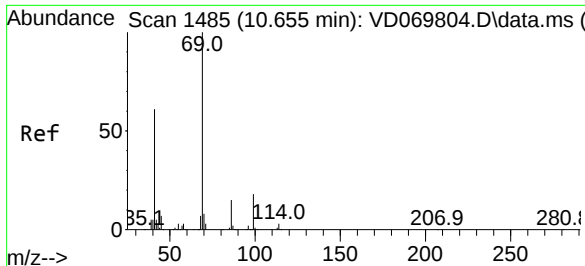
Tgt Ion: 41 Resp: 141
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 112.8 36.6 55.0#



#50
Toluene-d8
Concen: 53.021 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 98 Resp: 1298458
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

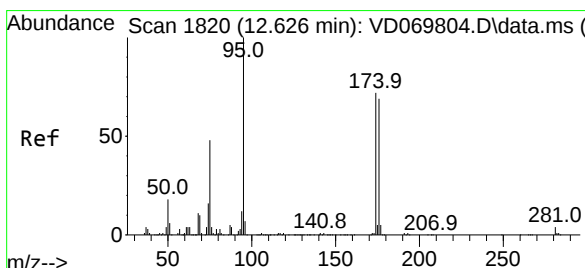
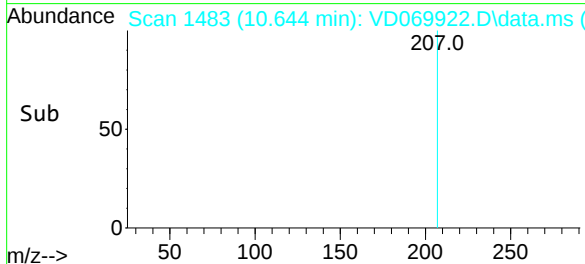
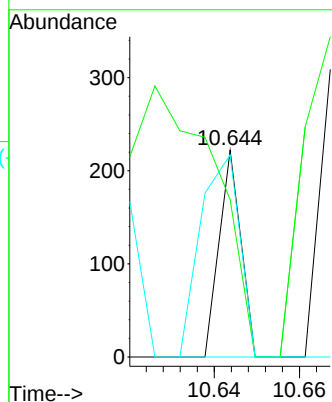
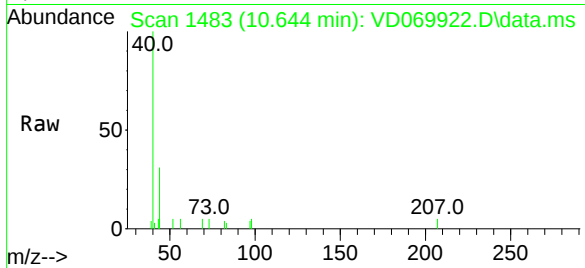




#56
Ethyl methacrylate
Concen: 3.906 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

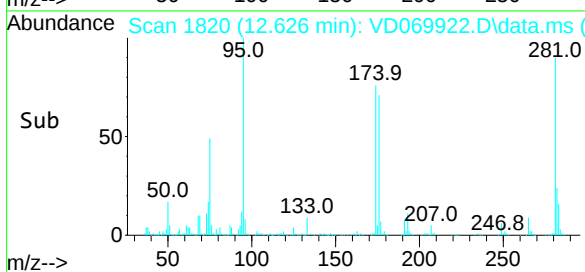
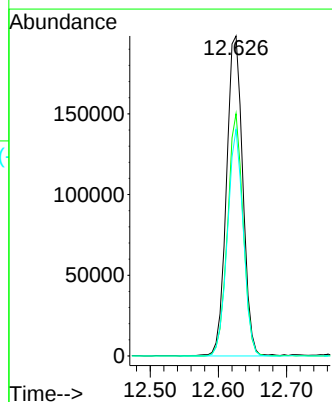
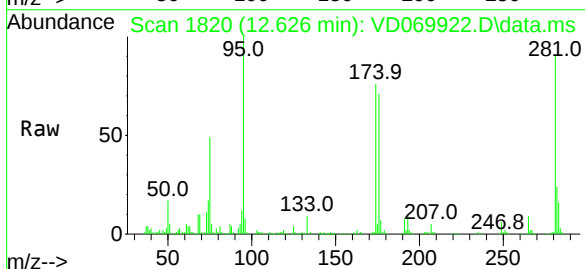
Instrument :
MSVOA_D
ClientSampleId :

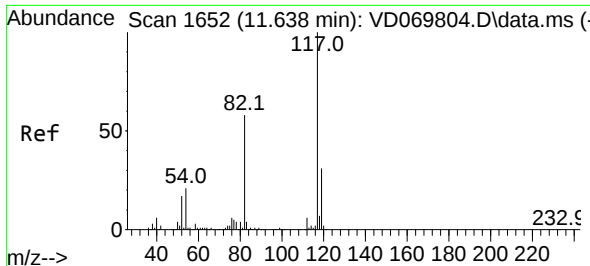
Tgt Ion: 69 Resp: 78
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 178.2 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 40.377 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 95 Resp: 330463
Ion Ratio Lower Upper
95 100
174 72.2 0.0 142.6
176 68.1 0.0 134.2

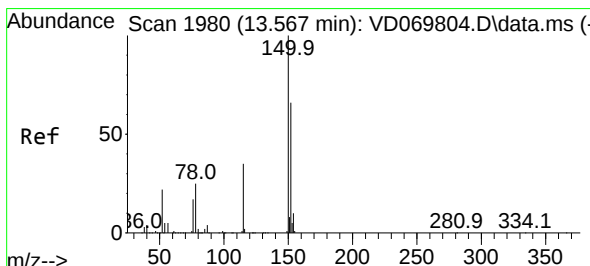
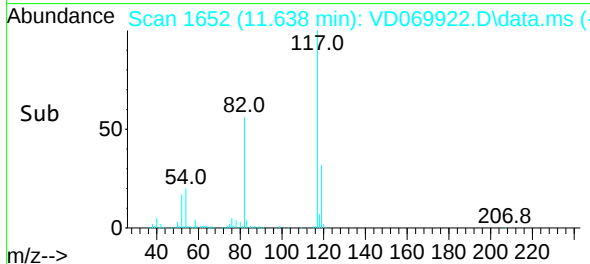
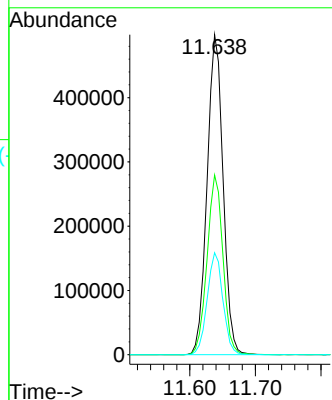
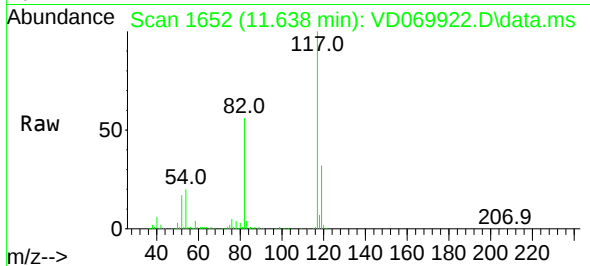




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

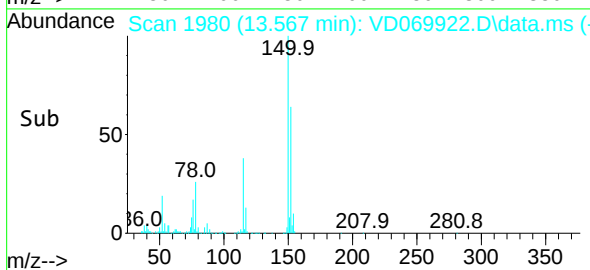
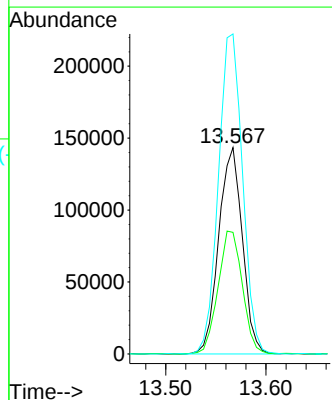
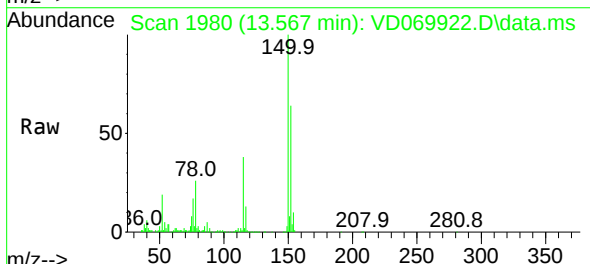
Instrument :
MSVOA_D
ClientSampleId :

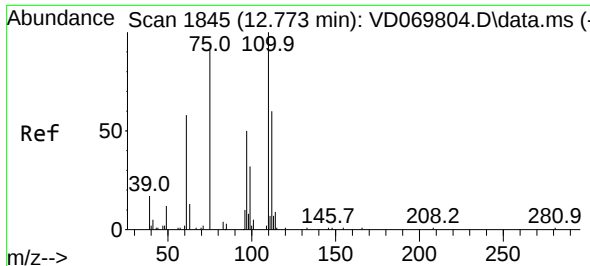
Tgt Ion:117 Resp: 845912
Ion Ratio Lower Upper
117 100
82 56.1 46.3 69.5
119 31.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion:152 Resp: 235007
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.3
150 158.5 0.0 343.0

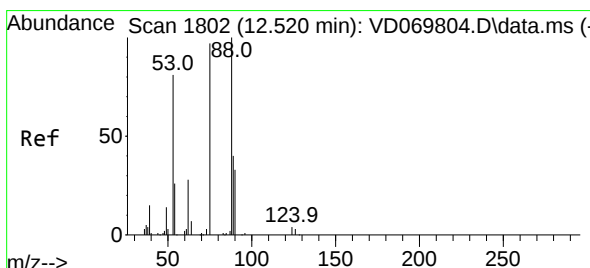
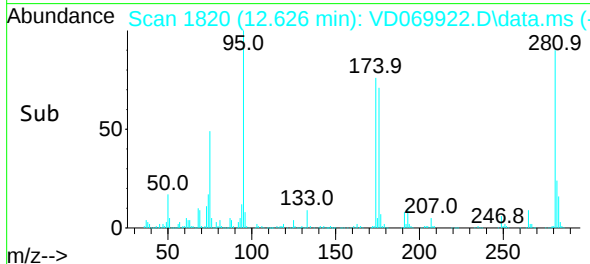
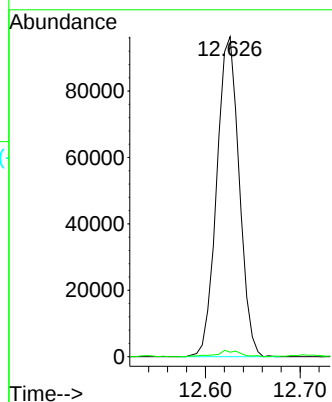
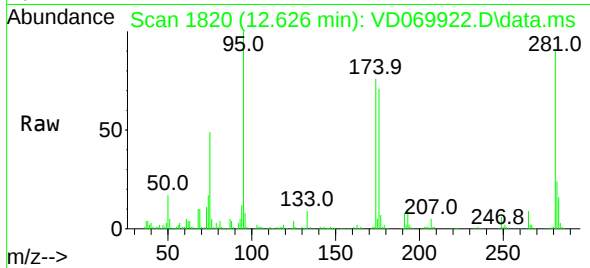




#76
1,2,3-Trichloropropane
Concen: 63.560 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

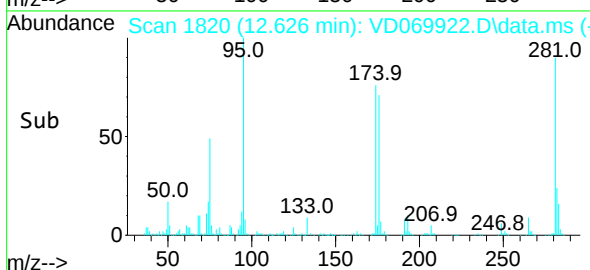
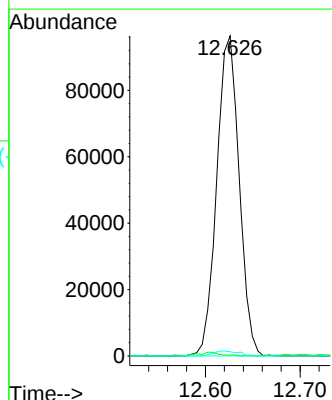
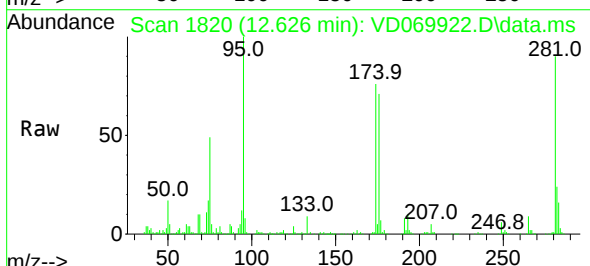
Instrument :
MSVOA_D
ClientSampleId :

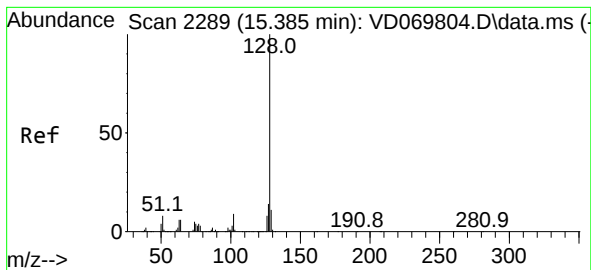
Tgt Ion: 75 Resp: 158771
Ion Ratio Lower Upper
75 100
77 2.1 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 192.826 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Tgt Ion: 75 Resp: 158771
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 1.7 35.8 53.6#





#95
Naphthalene
Concen: 5.248 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069922.D
Acq: 29 Jul 2021 20:18

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 2127
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 12.2 8.6 12.8

