

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069896.D
 Acq On : 28 Jul 2021 18:46
 Operator : VA/SY
 Sample : M3216-08
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 04:02:20 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)

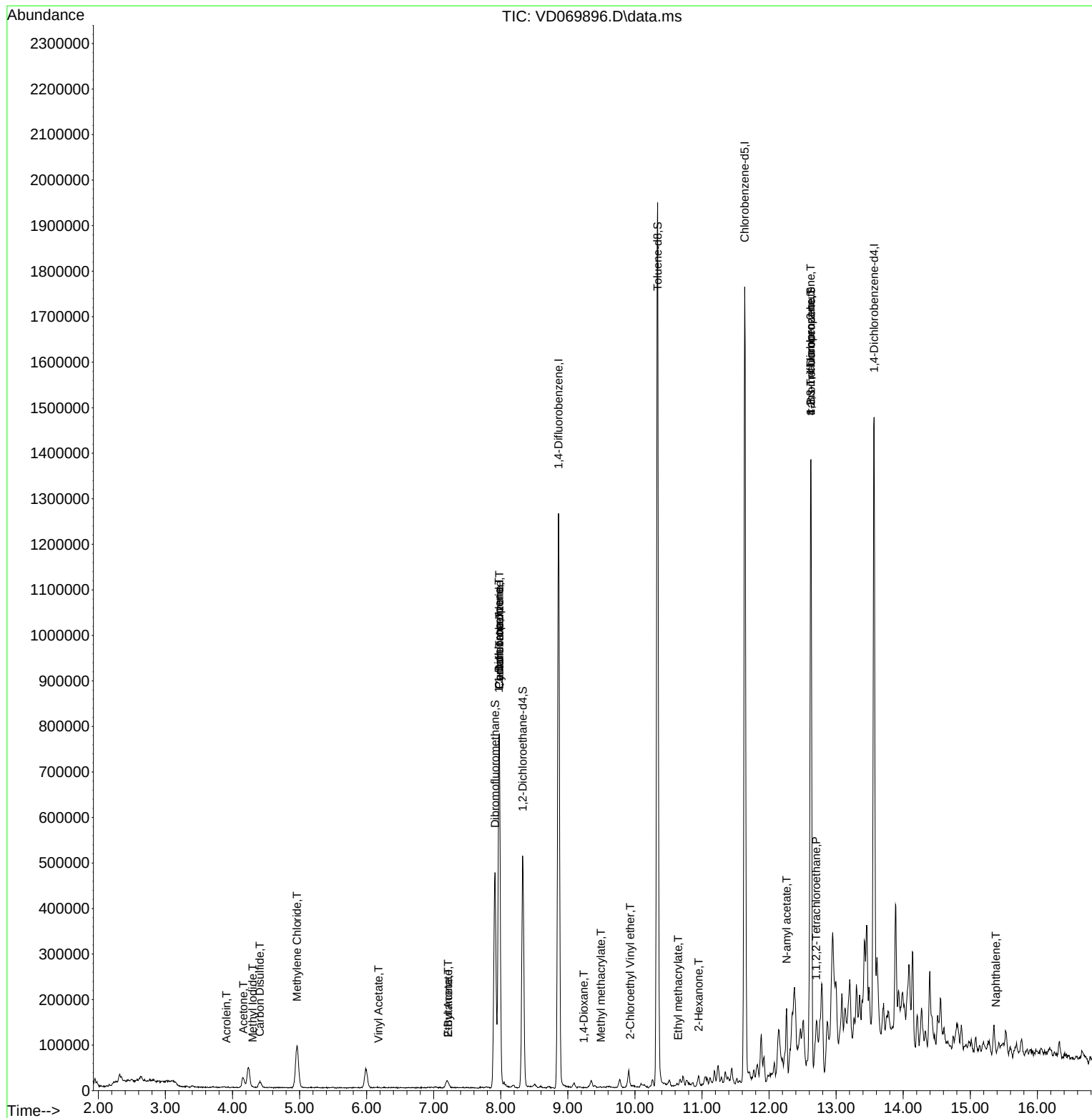
Internal Standards						
1) Pentafluorobenzene	7.979	168	553445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1081315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1021827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	370200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	400828	62.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.940%			
35) Dibromofluoromethane	7.914	113	350801	51.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.920%			
50) Toluene-d8	10.338	98	1336907	50.863	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.626	95	457997	52.138	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.280%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	3099	Below Cal	#	78
10) Methyl Iodide	4.303	142	1146	3.618	ug/l #	73
13) Acrolein	3.909	56	587	1.273	ug/l #	56
16) Acetone	4.161	43	41701	36.267	ug/l	94
17) Carbon Disulfide	4.409	76	26781	1.183	ug/l #	93
20) Methylene Chloride	4.961	84	74741	3.040	ug/l	97
23) Vinyl Acetate	6.179	43	151	20.362	ug/l #	71
25) 2-Butanone	7.214	43	14032	8.999	ug/l #	85
31) Cyclohexane	7.979	56	17356	1.396	ug/l #	14
36) 1,1-Dichloropropene	7.973	75	48465	4.153	ug/l #	49
37) Ethyl Acetate	7.214	43	14032	3.303	ug/l #	68
38) Carbon Tetrachloride	7.979	117	57825	5.425	ug/l #	17
48) Methyl methacrylate	9.491	41	892	2.955	ug/l #	17
49) 1,4-Dioxane	9.238	88	58	1.258	ug/l #	1
56) Ethyl methacrylate	10.643	69	2330	4.178	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.932	63	60	20.886	ug/l #	48
59) 2-Hexanone	10.949	43	8209	3.130	ug/l #	24
74) N-amyl acetate	12.261	43	31676	5.790	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.702	83	8075	1.520	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	224404	57.028	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	224404	173.009	ug/l #	16
95) Naphthalene	15.384	128	2751	5.203	ug/l #	87

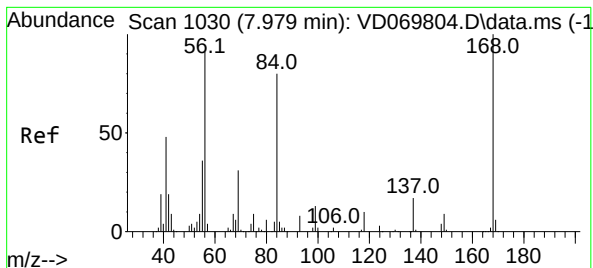
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
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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: VD069896.D

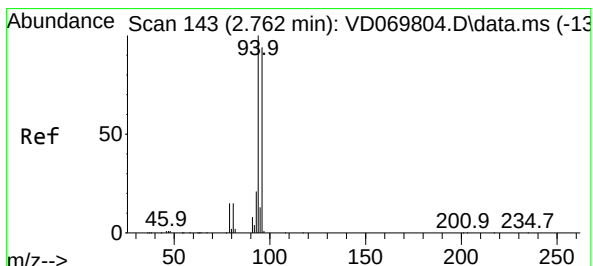
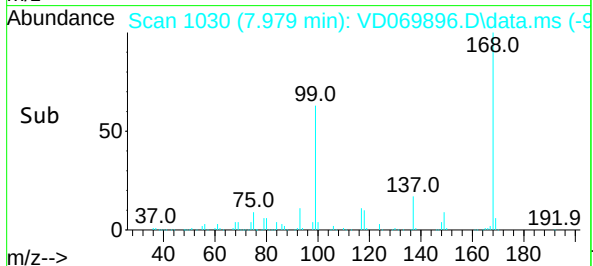
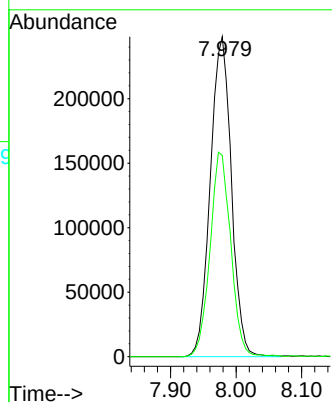
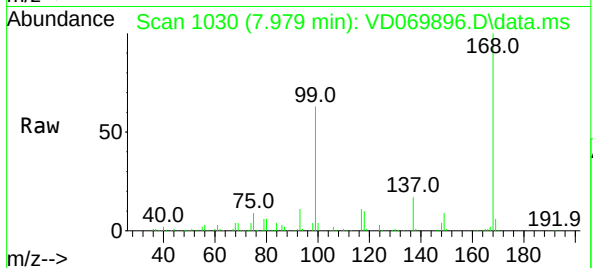
Acq: 28 Jul 2021 18:46

Tgt Ion:168 Resp: 553445

Ion Ratio Lower Upper

168 100

99 62.9 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069896.D

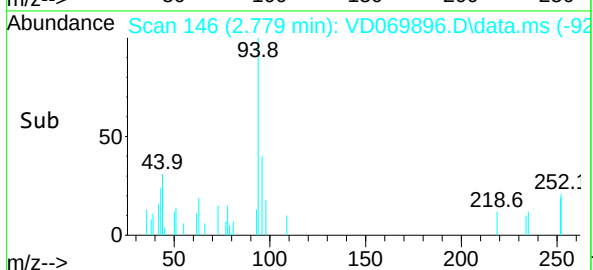
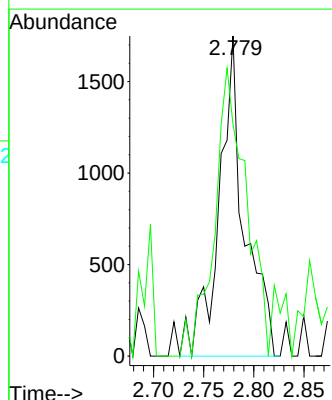
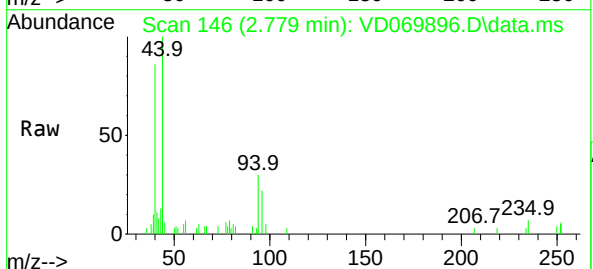
Acq: 28 Jul 2021 18:46

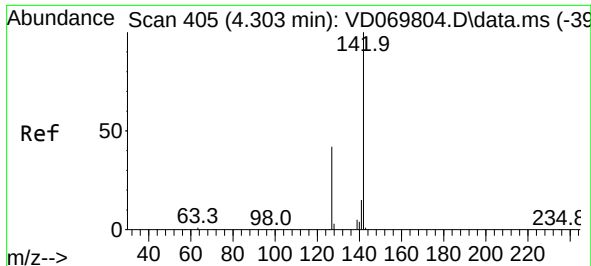
Tgt Ion: 94 Resp: 3099

Ion Ratio Lower Upper

94 100

96 72.3 74.8 112.2#

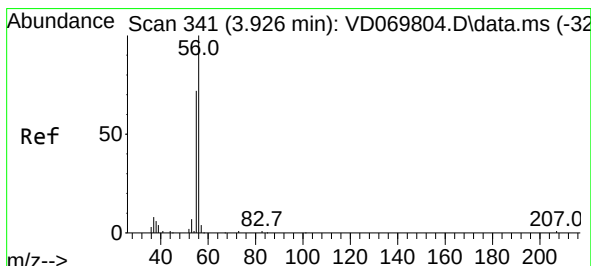
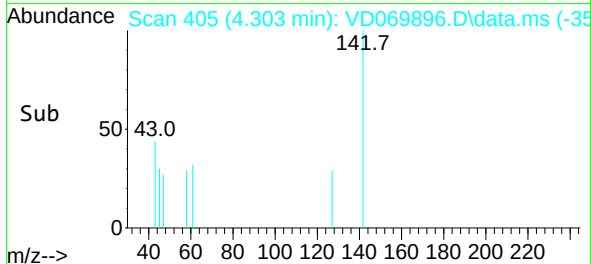
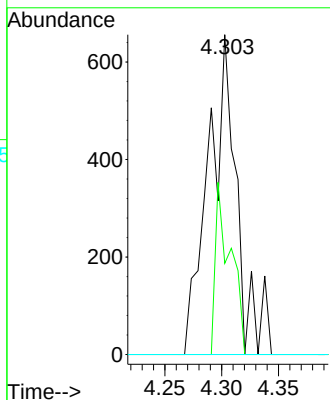
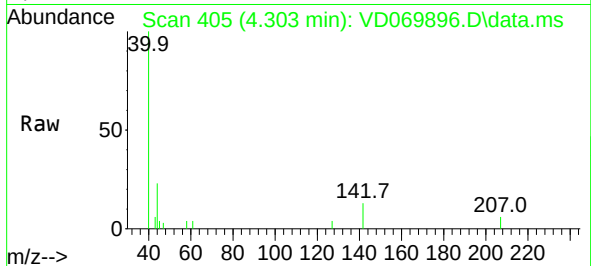




#10
Methyl Iodide
Concen: 3.618 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

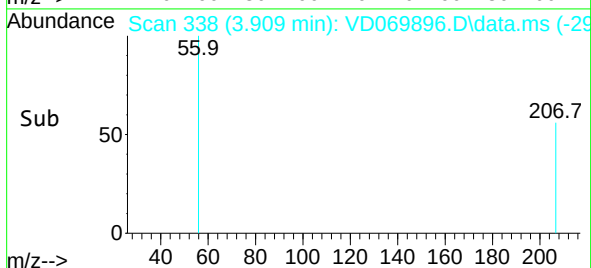
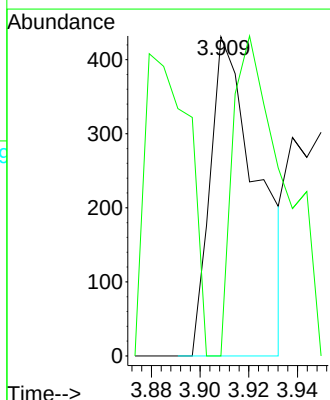
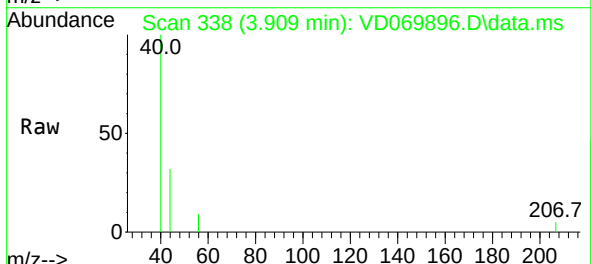
Instrument :
MSVOA_D
ClientSampled :

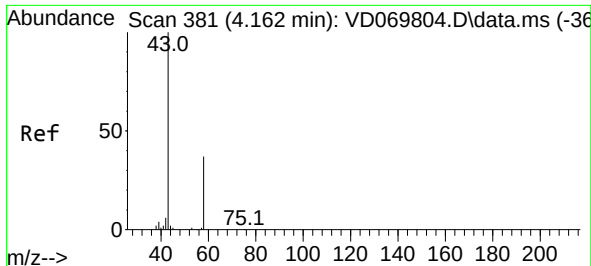
Tgt Ion:142 Resp: 1146
Ion Ratio Lower Upper
142 100
127 28.6 35.7 53.5#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 1.273 ug/l
RT: 3.909 min Scan# 338
Delta R.T. -0.018 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
55 108.3 57.2 85.8#

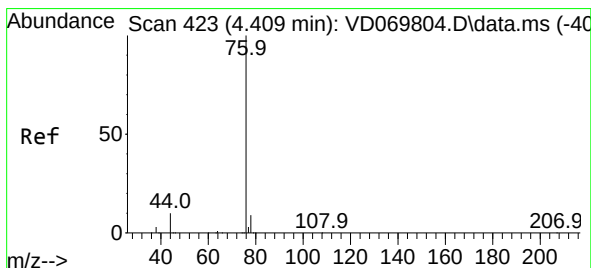
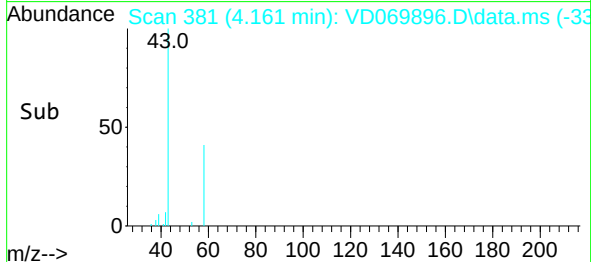
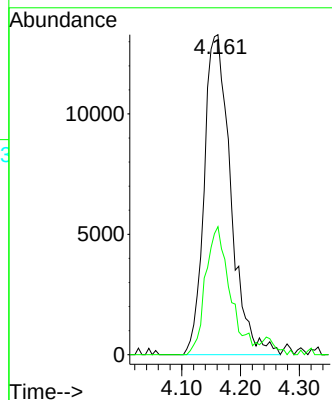
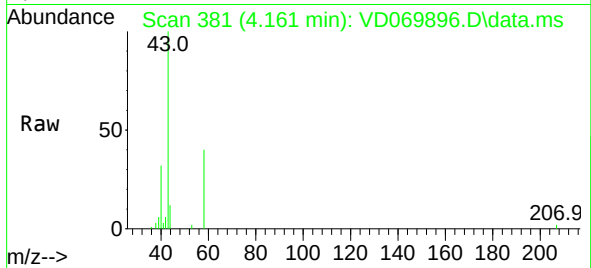




#16
Acetone
Concen: 36.267 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

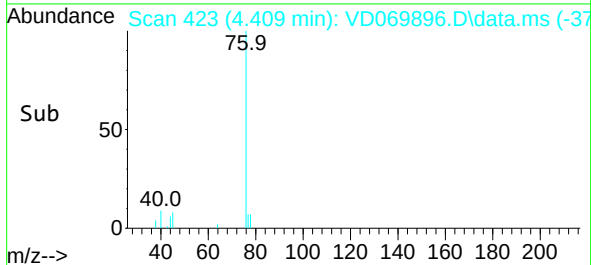
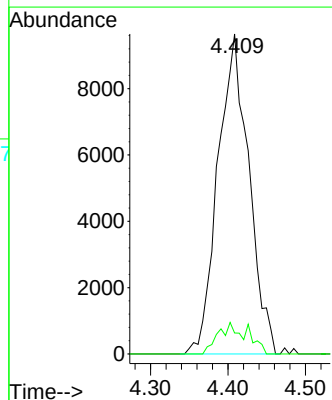
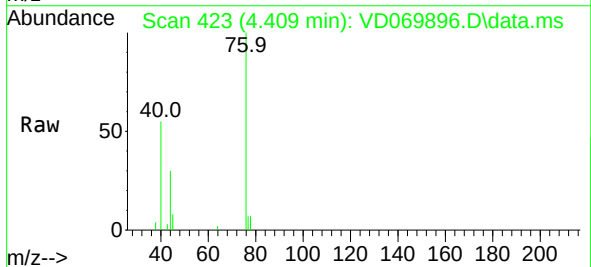
Instrument :
MSVOA_D
ClientSampled :

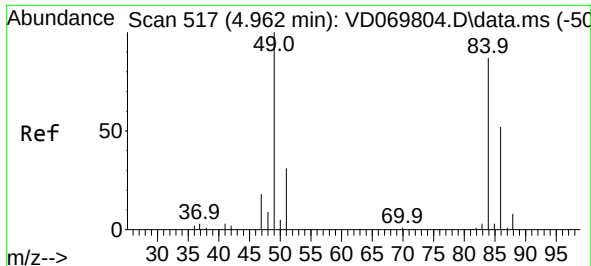
Tgt Ion: 43 Resp: 41701
Ion Ratio Lower Upper
43 100
58 40.0 29.4 44.0



#17
Carbon Disulfide
Concen: 1.183 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

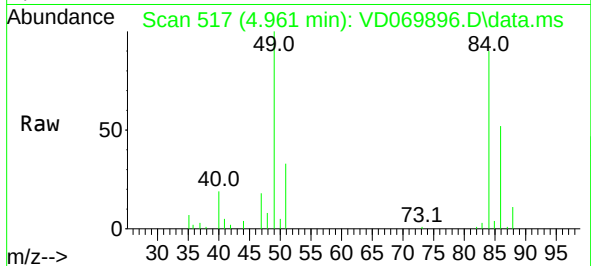
Tgt Ion: 76 Resp: 26781
Ion Ratio Lower Upper
76 100
78 6.6 7.3 10.9#



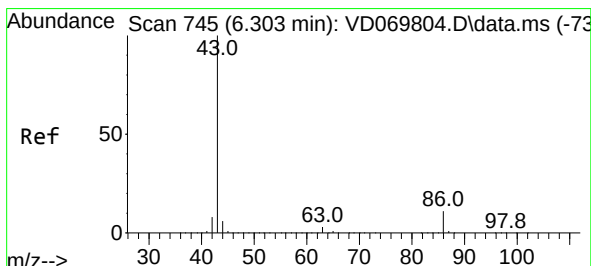
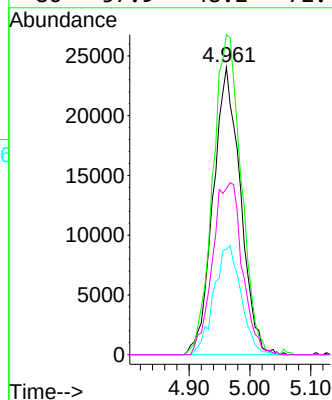
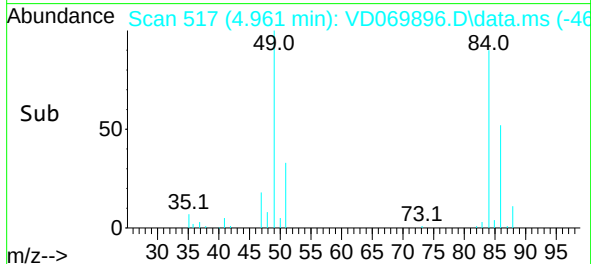


#20
Methylene Chloride
Concen: 3.040 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

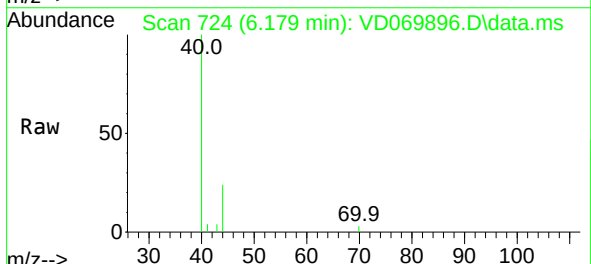
Instrument :
MSVOA_D
ClientSampleId :



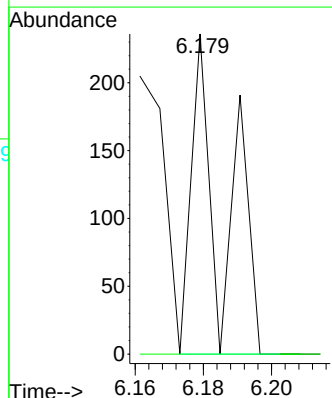
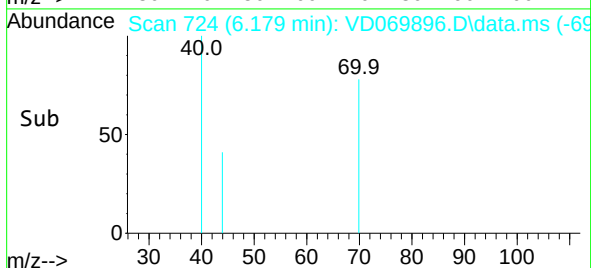
Tgt Ion:	84	Resp:	74741
Ion	Ratio	Lower	Upper
84	100		
49	111.3	92.4	138.6
51	36.7	28.5	42.7
86	57.9	48.2	72.4

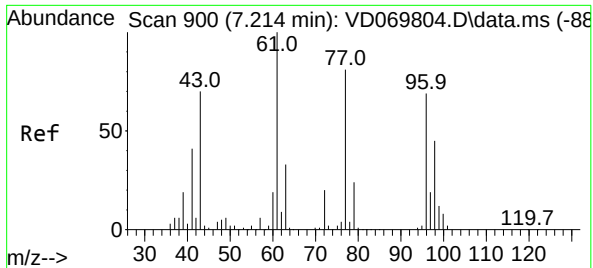


#23
Vinyl Acetate
Concen: 20.362 ug/l
RT: 6.179 min Scan# 724
Delta R.T. -0.124 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46



Tgt Ion:	43	Resp:	151
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

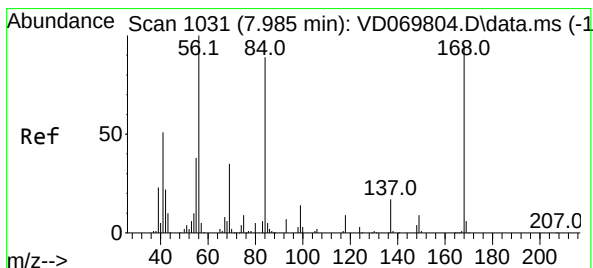
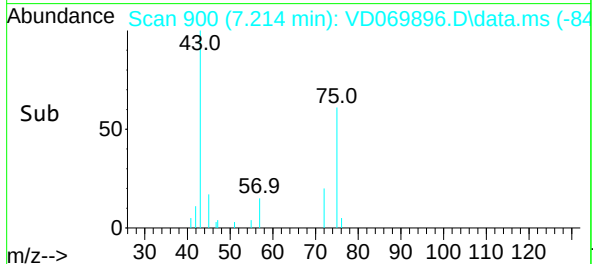
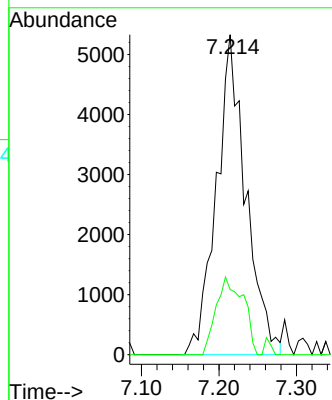
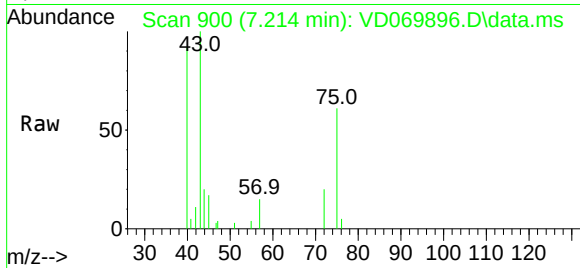




#25
2-Butanone
Concen: 8.999 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

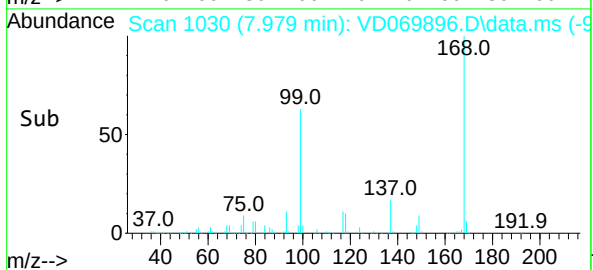
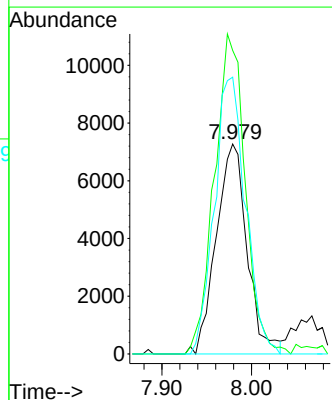
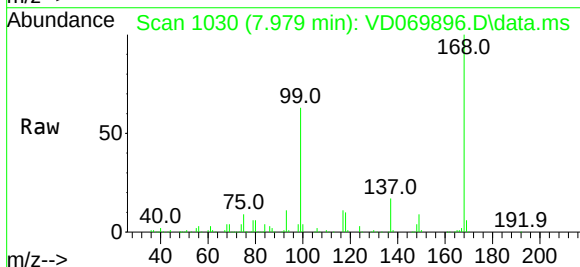
Instrument :
MSVOA_D
ClientSampled :

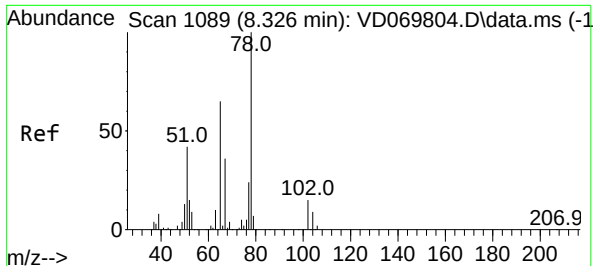
Tgt Ion: 43 Resp: 14032
Ion Ratio Lower Upper
43 100
72 20.4 22.8 34.2#



#31
Cyclohexane
Concen: 1.396 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 56 Resp: 17356
Ion Ratio Lower Upper
56 100
69 144.5 27.9 41.9#
84 131.8 71.4 107.2#

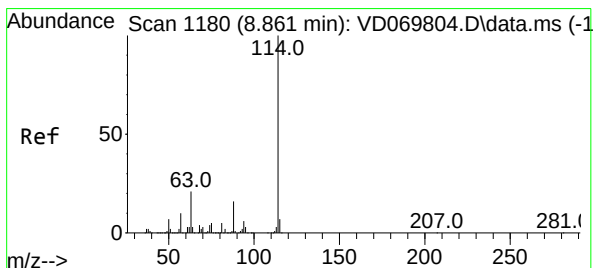
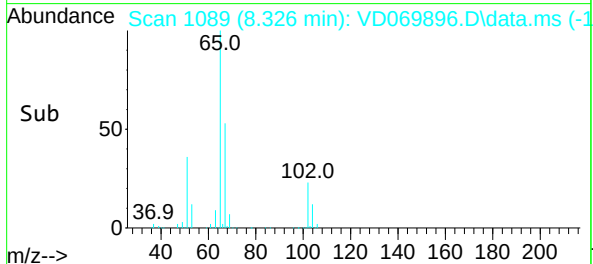
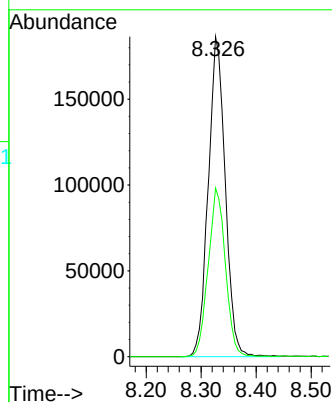
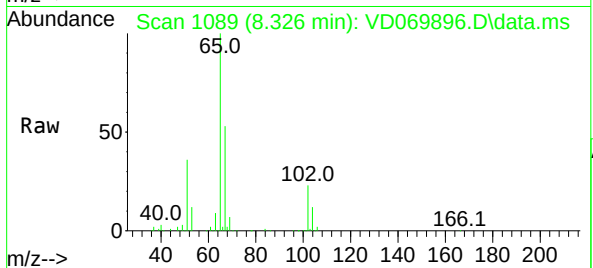




#33
1,2-Dichloroethane-d4
Concen: 62.973 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

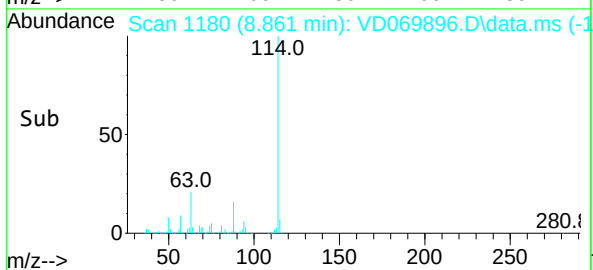
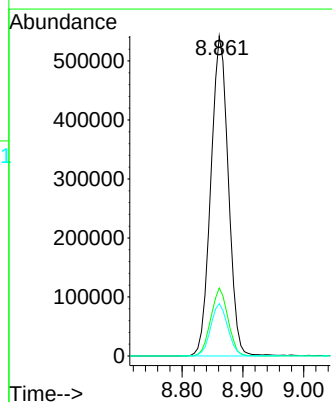
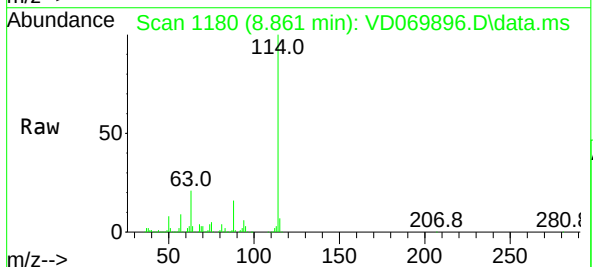
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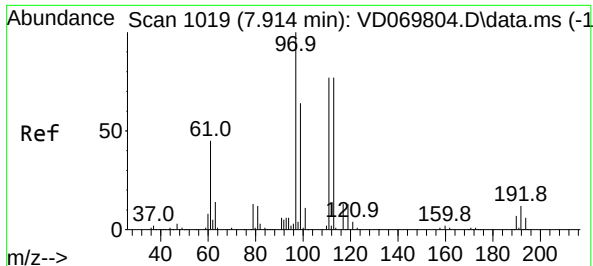
Tgt Ion: 65 Resp: 400828
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 114 Resp: 1081315
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 16.3 0.0 31.4



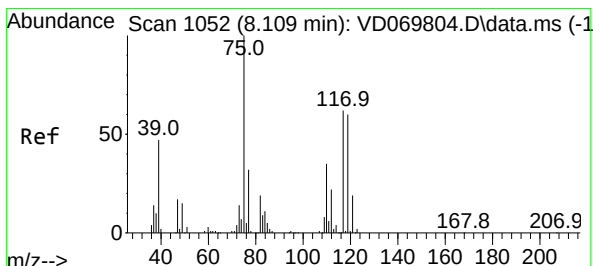
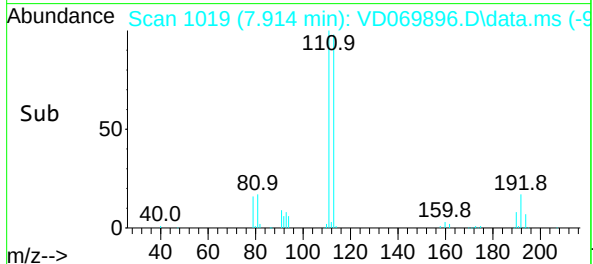
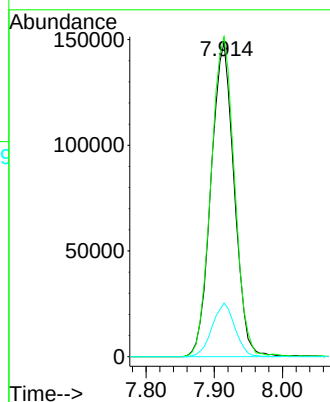
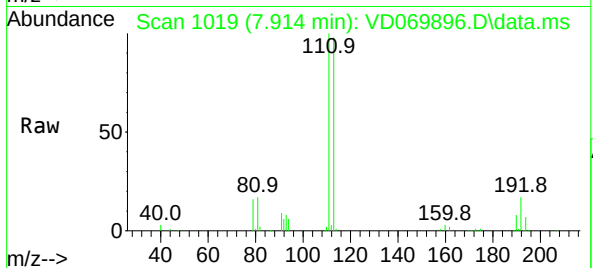


#35

Dibromofluoromethane
Concen: 51.463 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Instrument :
MSVOA_D
ClientSampled :

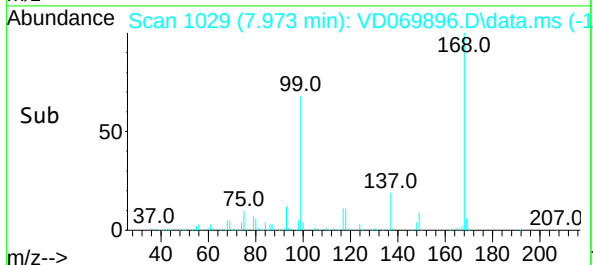
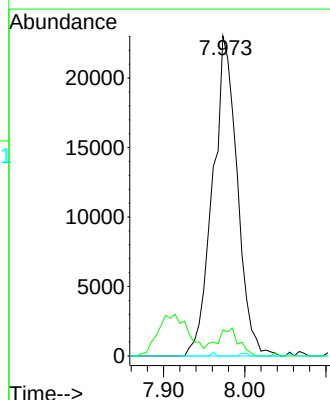
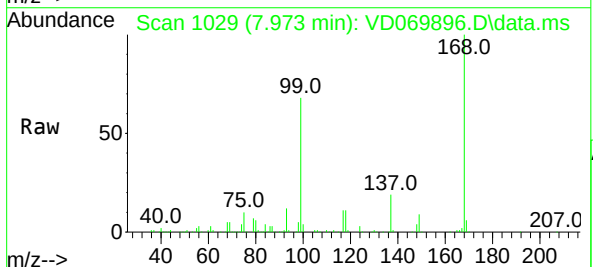
Tgt Ion:113 Resp: 350801
Ion Ratio Lower Upper
113 100
111 103.6 80.5 120.7
192 16.8 12.6 19.0

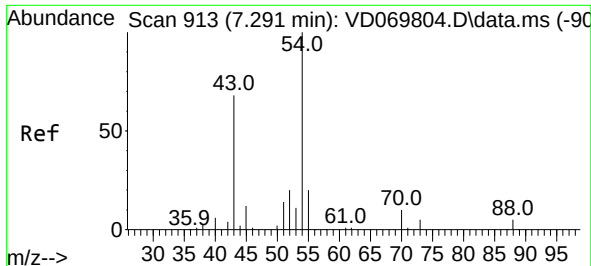


#36

1,1-Dichloropropene
Concen: 4.153 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 75 Resp: 48465
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.0 24.9 37.3#

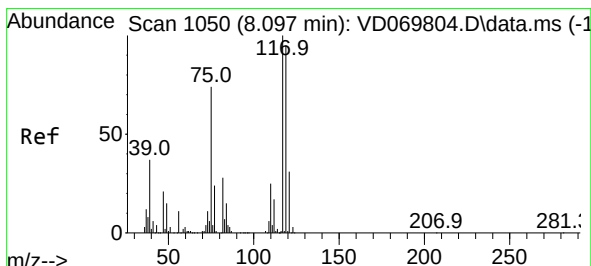
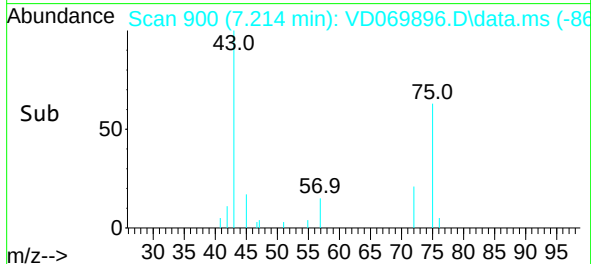
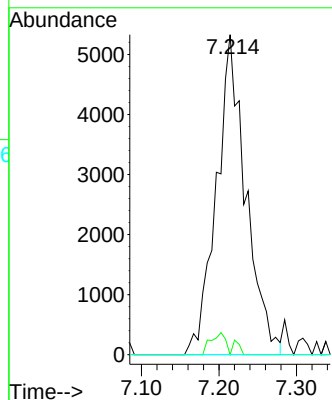
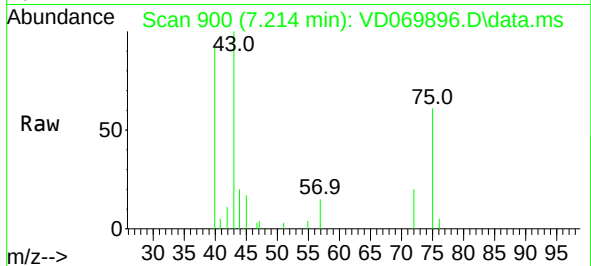




#37
Ethyl Acetate
Concen: 3.303 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

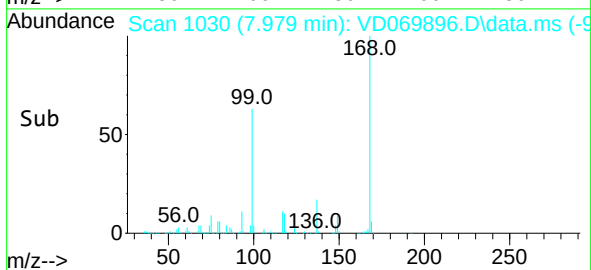
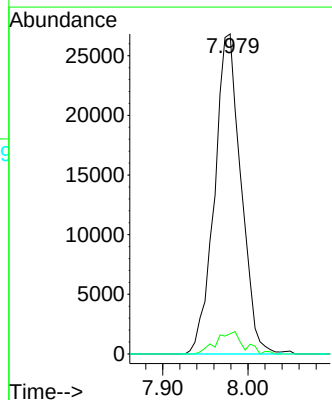
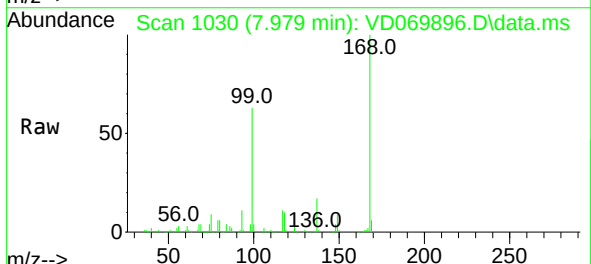
Instrument :
MSVOA_D
ClientSampled :

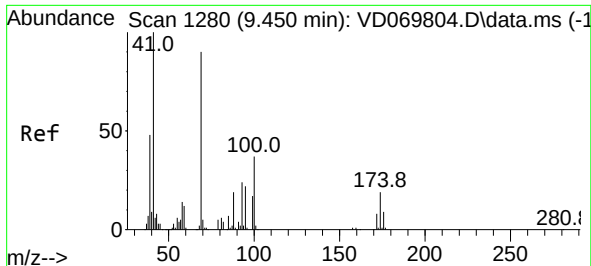
Tgt Ion: 43 Resp: 14032
Ion Ratio Lower Upper
43 100
61 1.0 11.8 17.8#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 117 Resp: 57825
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.5 36.7#

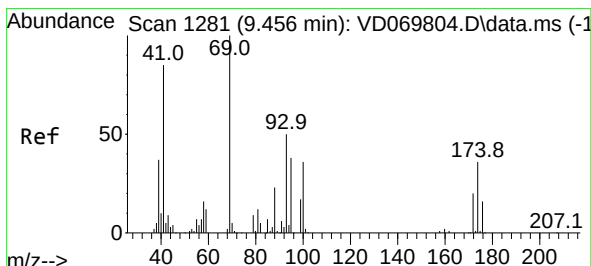
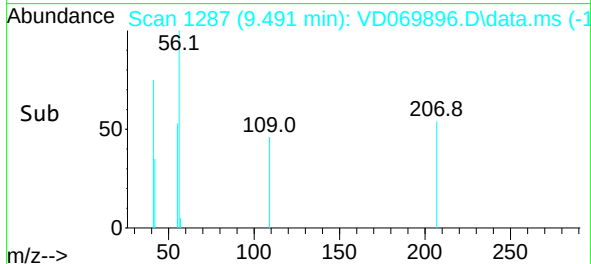
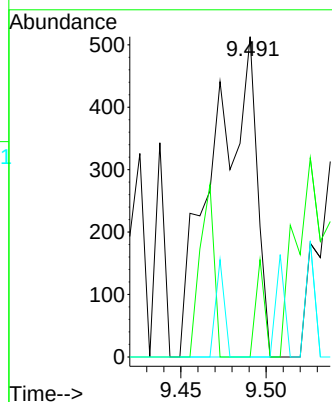
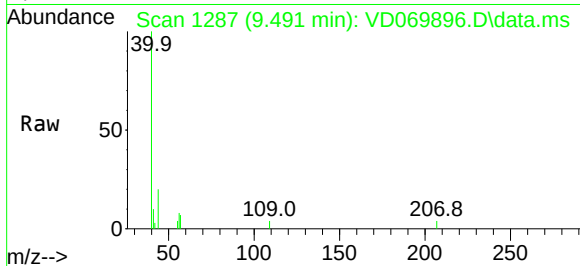




#48
Methyl methacrylate
Concen: 2.955 ug/l
RT: 9.491 min Scan# 1287
Delta R.T. 0.041 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

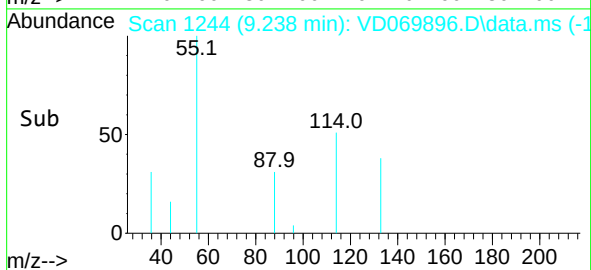
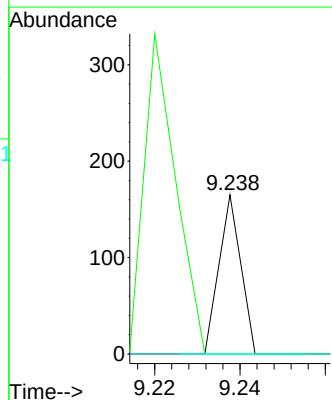
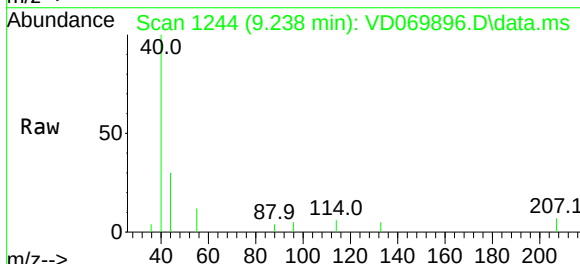
Instrument :
MSVOA_D
ClientSampled :

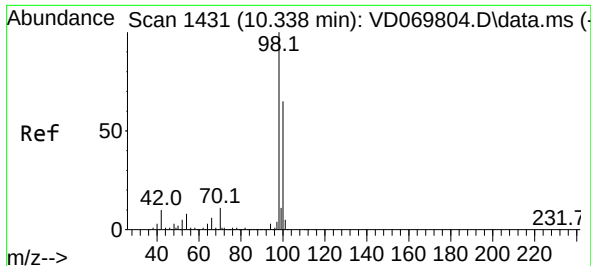
Tgt Ion: 41 Resp: 892
Ion Ratio Lower Upper
41 100
69 6.2 73.4 110.2#
39 0.0 36.6 55.0#



#49
1,4-Dioxane
Concen: 1.258 ug/l
RT: 9.238 min Scan# 1244
Delta R.T. -0.218 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 293.1 26.8 40.2#
58 0.0 59.8 89.6#

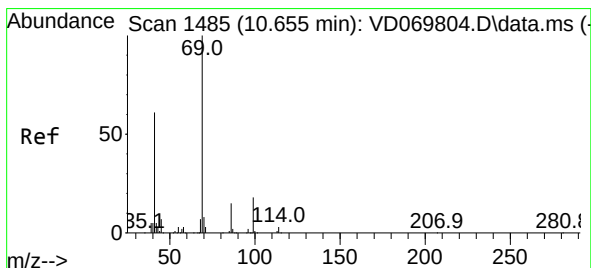
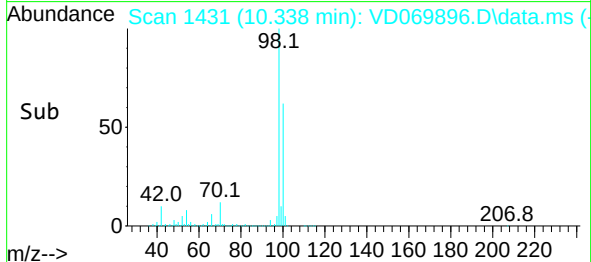
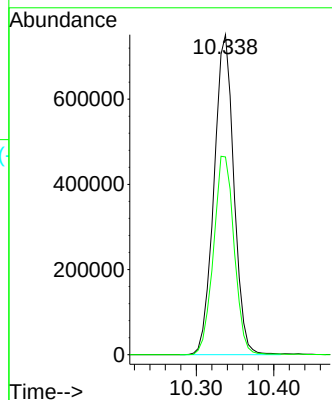
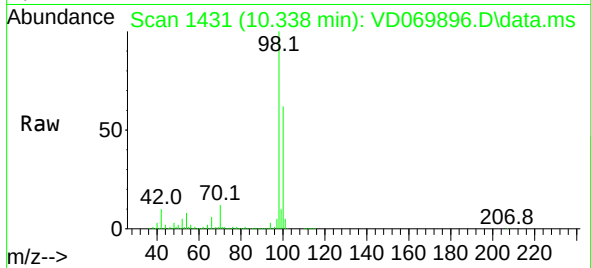




#50
Toluene-d8
Concen: 50.863 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

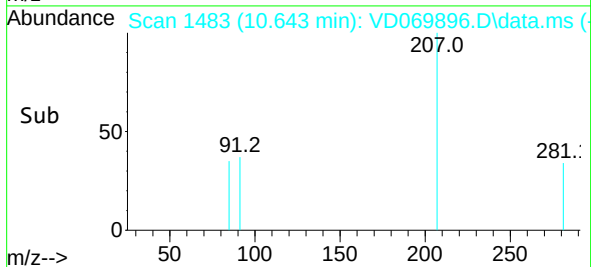
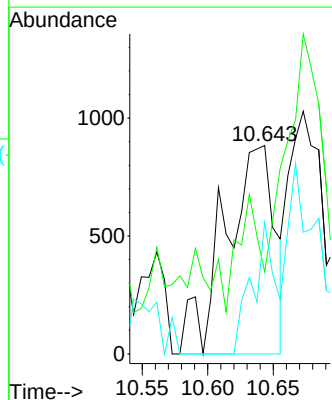
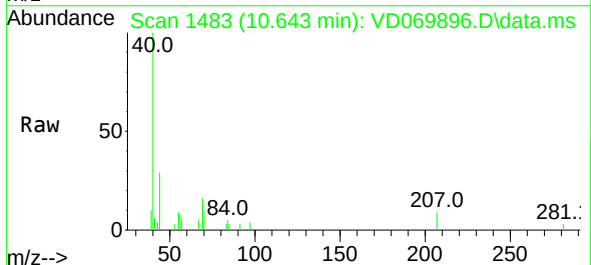
Instrument :
MSVOA_D
ClientSampled :

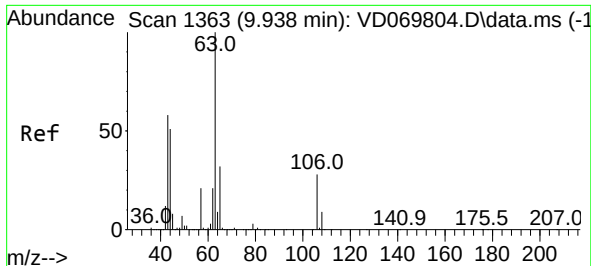
Tgt Ion: 98 Resp: 1336907
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.178 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 69 Resp: 2330
Ion Ratio Lower Upper
69 100
41 24.0 50.2 75.2#
39 28.8 22.0 33.0

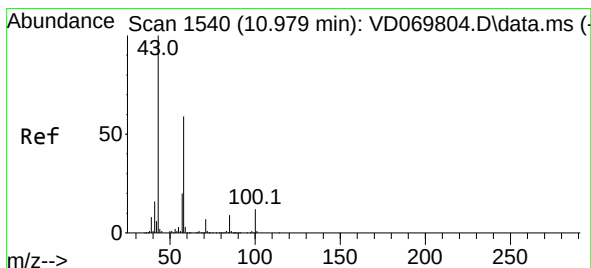
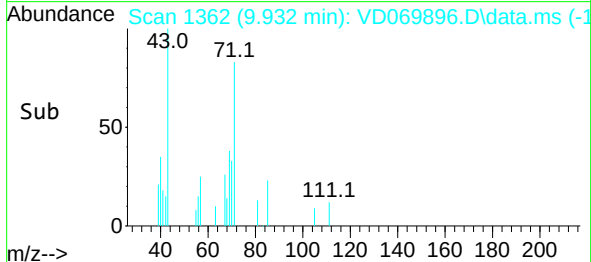
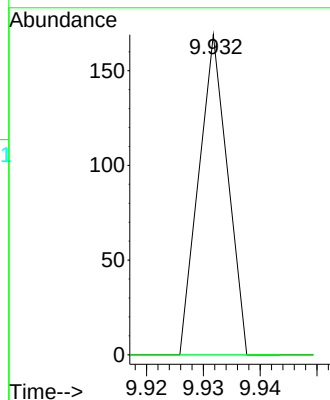
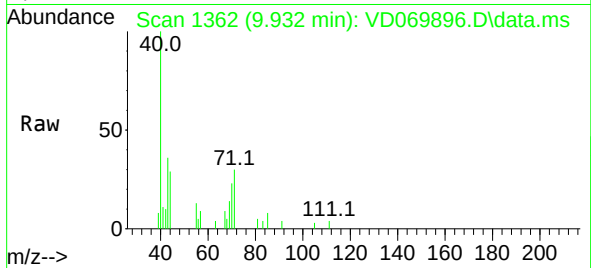




#58
2-Chloroethyl Vinyl ether
Concen: 20.886 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

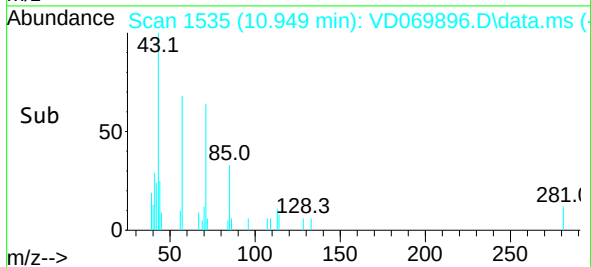
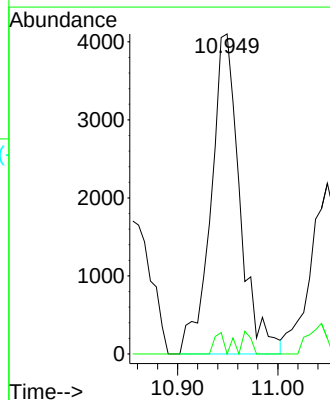
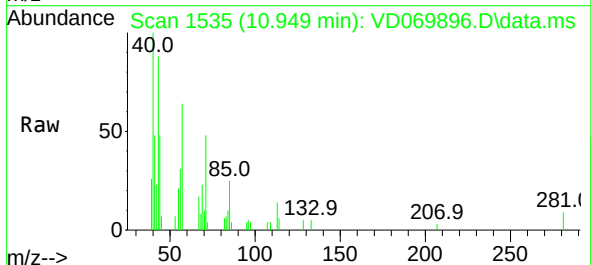
Instrument :
MSVOA_D
ClientSampled :

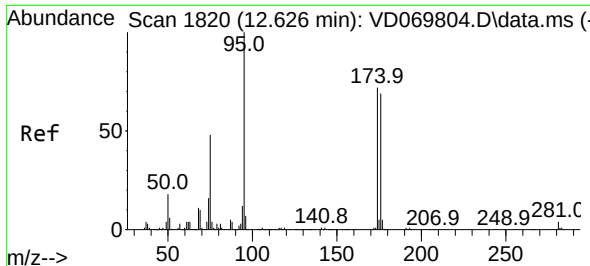
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 3.130 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 43 Resp: 8209
Ion Ratio Lower Upper
43 100
58 2.1 29.4 88.3#

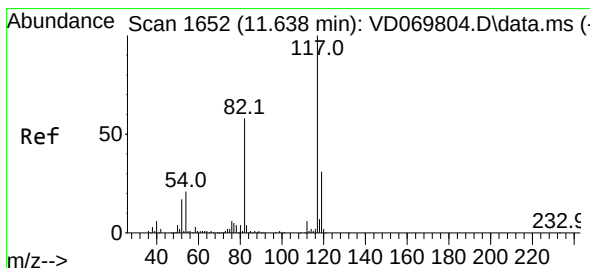
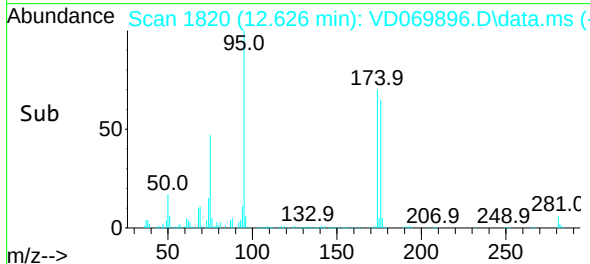
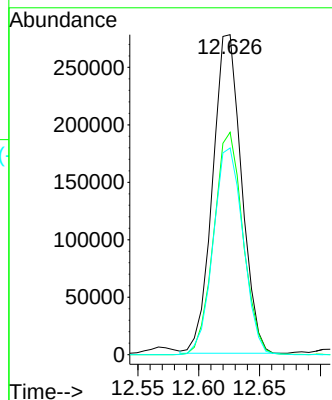
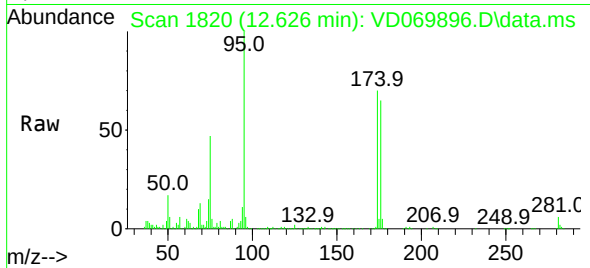




#62
4-Bromofluorobenzene
Concen: 52.138 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

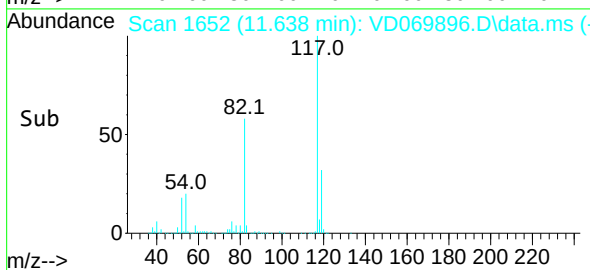
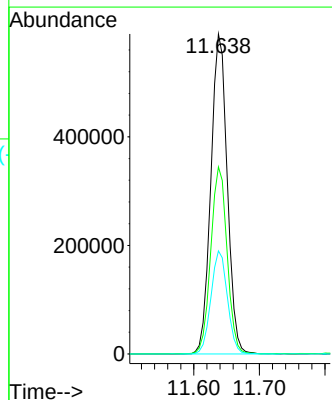
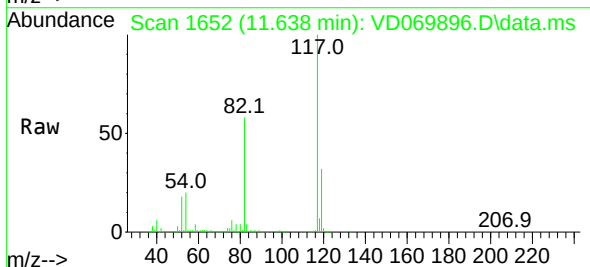
Instrument :
MSVOA_D
ClientSampleId :

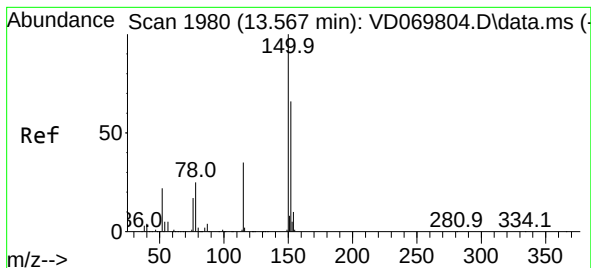
Tgt Ion: 95 Resp: 457997
Ion Ratio Lower Upper
95 100
174 70.5 0.0 142.6
176 67.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 117 Resp: 1021827
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 32.2 24.7 37.1

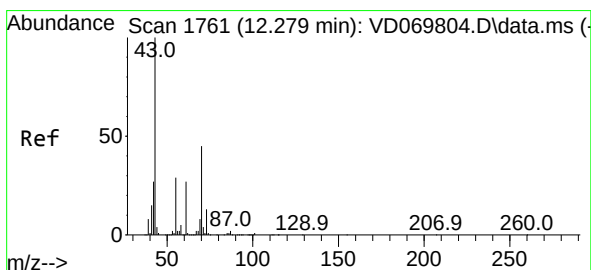
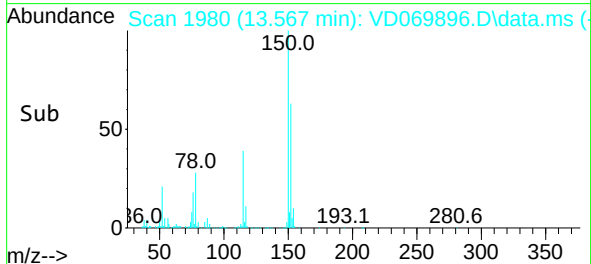
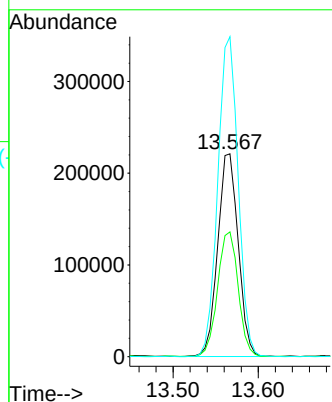
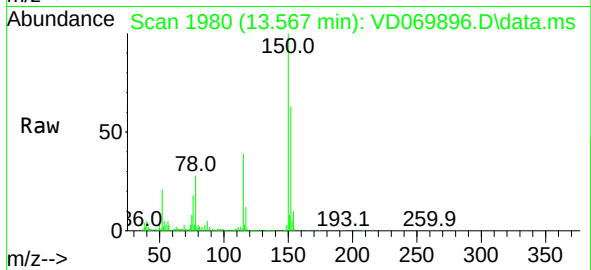




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

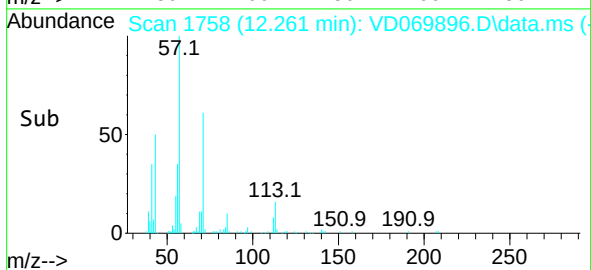
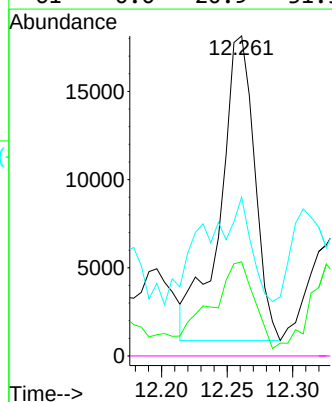
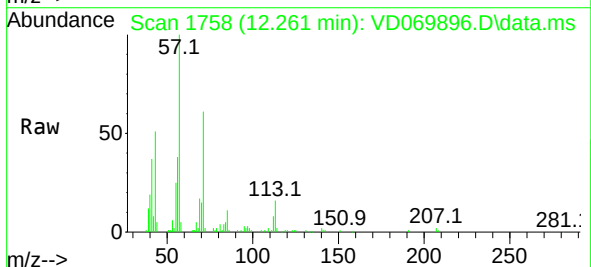
Instrument :
MSVOA_D
ClientSampled :

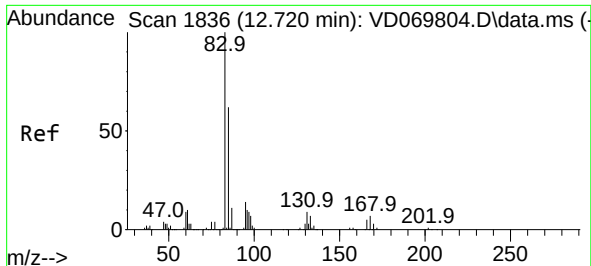
Tgt Ion:152 Resp: 370200
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 156.7 0.0 343.0



#74
N-ethyl acetate
Concen: 5.790 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 43 Resp: 31676
Ion Ratio Lower Upper
43 100
70 31.3 37.9 56.9#
55 0.0 23.7 35.5#
61 0.0 20.9 31.3#

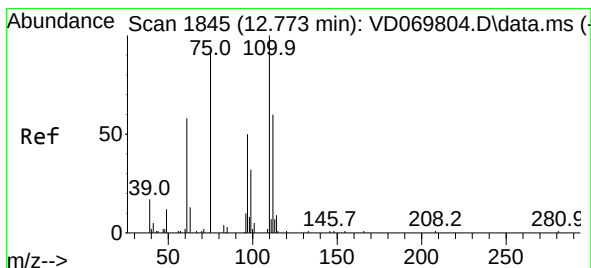
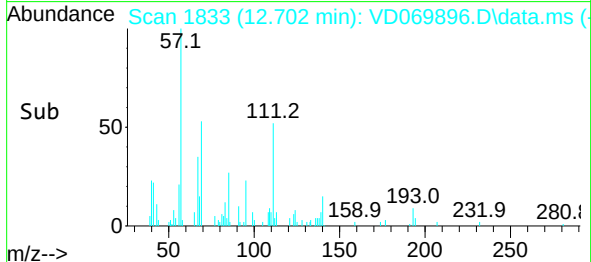
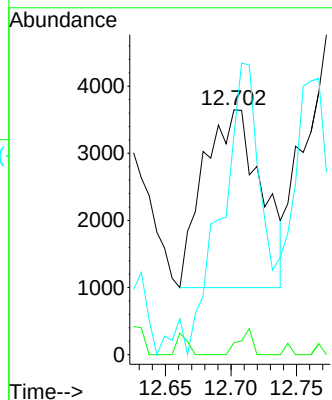
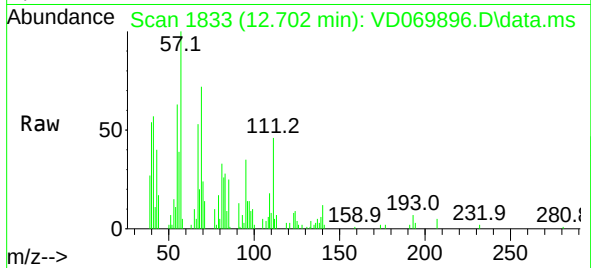




#75
1,1,2,2-Tetrachloroethane
Concen: 1.520 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

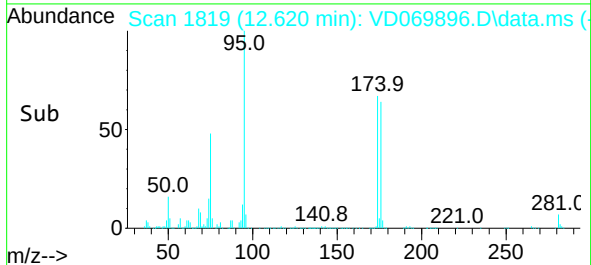
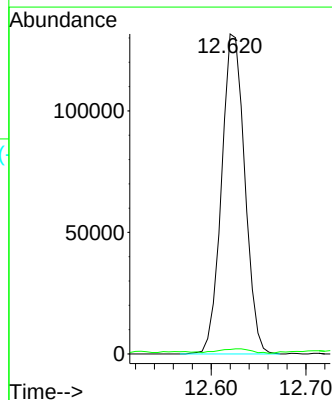
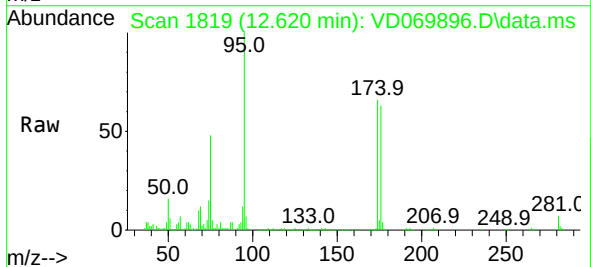
Instrument :
MSVOA_D
ClientSampleId :

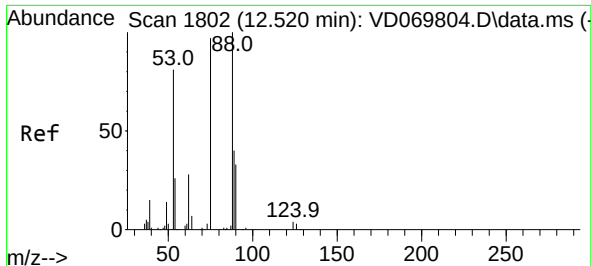
Tgt Ion: 83 Resp: 8075
Ion Ratio Lower Upper
83 100
131 3.4 4.9 14.6#
85 116.2 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 57.028 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 75 Resp: 224404
Ion Ratio Lower Upper
75 100
77 2.0 181.5 544.5#

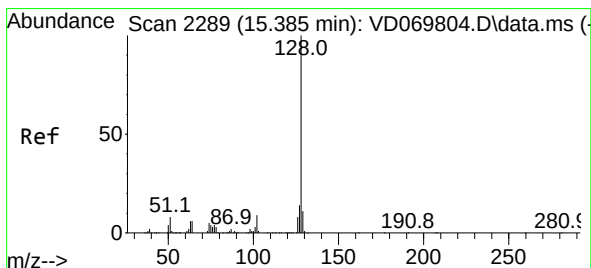
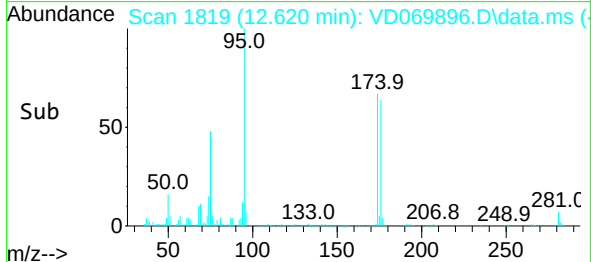
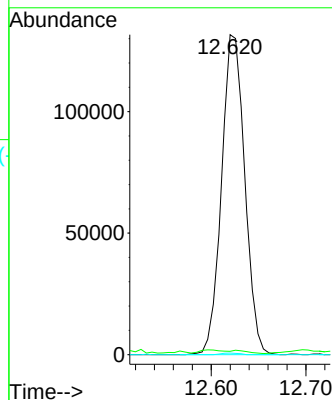
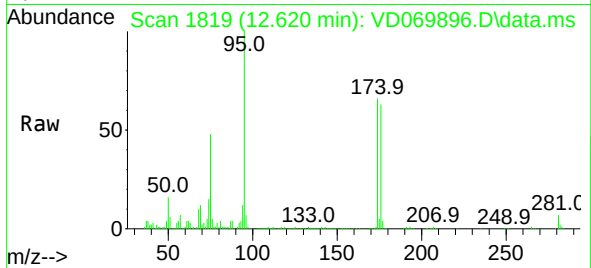




#81
trans-1,4-Dichloro-2-butene
Concen: 173.009 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 224404
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.4 35.8 53.6#



#95
Naphthalene
Concen: 5.203 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069896.D
Acq: 28 Jul 2021 18:46

Tgt Ion: 128 Resp: 2751
Ion Ratio Lower Upper
128 100
127 16.0 10.6 16.0#
129 18.3 8.6 12.8#

