

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067195.D
 Acq On : 28 May 2021 22:42
 Operator : JC/MD
 Sample : M2551-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JCSY-SP1-VOC

Quant Time: May 29 02:27:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

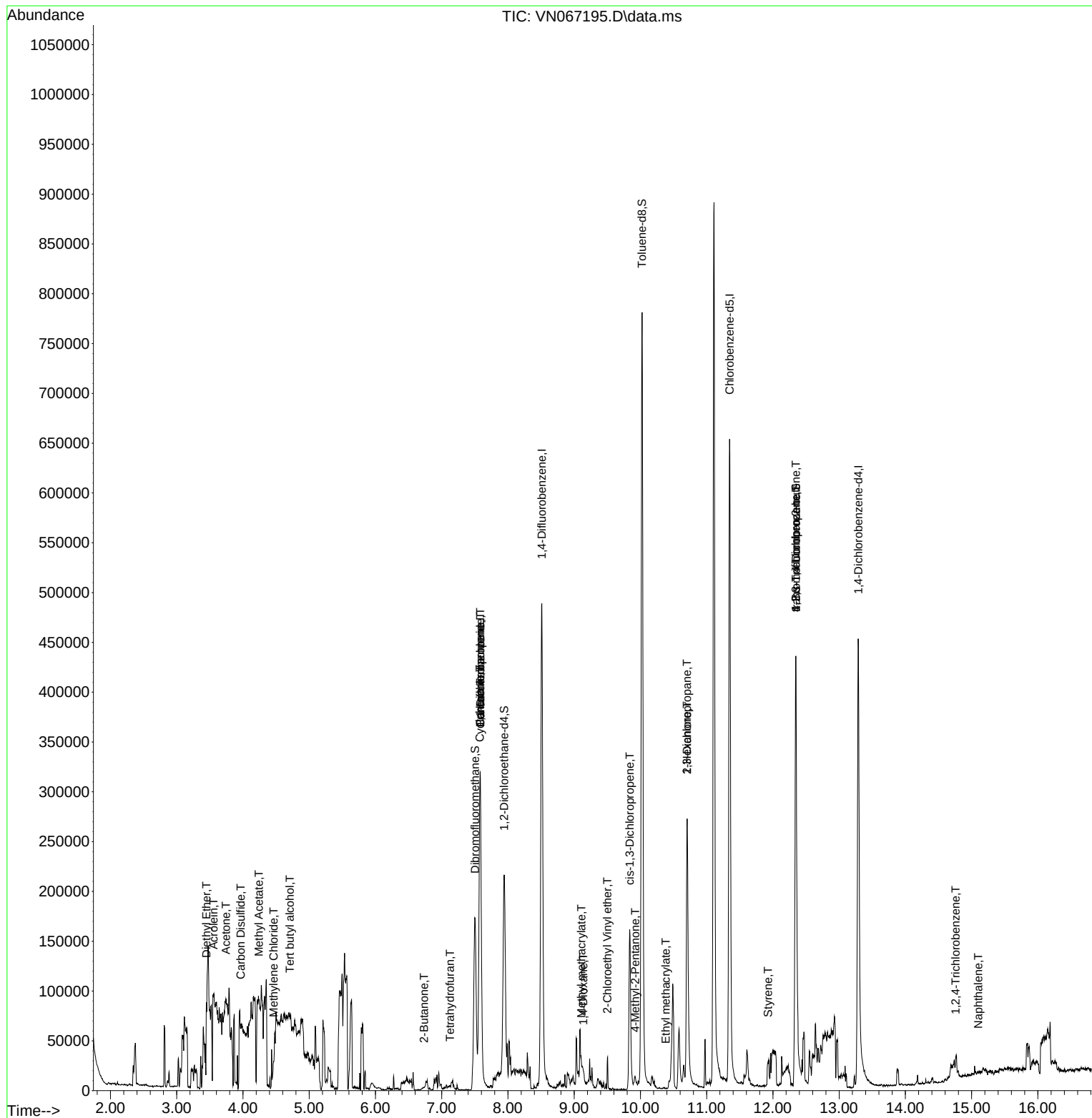
Internal Standards						
1) Pentafluorobenzene	7.581	168	252149	50.00	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.511	114	445200	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.346	117	390243	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.288	152	146542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.943	65	177041	45.24	ug/l	-0.02
Spiked Amount 50.000	Range 61 - 141		Recovery = 90.48%			
35) Dibromofluoromethane	7.503	113	140524	51.43	ug/l	-0.02
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.86%			
50) Toluene-d8	10.024	98	546831	52.01	ug/l	-0.01
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.02%			
62) 4-Bromofluorobenzene	12.347	95	181068	50.37	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.74%			
Target Compounds						Qvalue
8) Diethyl Ether	3.448	74	471	0.22	ug/l	78
11) Tert butyl alcohol	4.708	59	187	0.23	ug/l #	1
13) Acrolein	3.555	56	793	1.16	ug/l	99
16) Acetone	3.743	43	27379	17.02	ug/l #	87
17) Carbon Disulfide	3.968	76	3155	0.34	ug/l #	67
18) Methyl Acetate	4.242	43	2203	0.49	ug/l #	41
20) Methylene Chloride	4.462	84	12501	3.16	ug/l #	89
25) 2-Butanone	6.736	43	1298	0.51	ug/l #	87
29) Tetrahydrofuran	7.125	42	455	0.27	ug/l #	57
31) Cyclohexane	7.575	56	6468	1.07	ug/l #	8
36) 1,1-Dichloropropene	7.581	75	22290	4.95	ug/l #	49
38) Carbon Tetrachloride	7.581	117	26039	5.94	ug/l #	16
48) Methyl methacrylate	9.109	41	2022	0.53	ug/l #	16
49) 1,4-Dioxane	9.136	88	178	63.63	ug/l #	27
51) 4-Methyl-2-Pentanone	9.919	43	4241	0.89	ug/l #	60
54) cis-1,3-Dichloropropene	9.839	75	30278	5.30	ug/l #	67
56) Ethyl methacrylate	10.383	69	82	2.80	ug/l #	31
57) 1,3-Dichloropropane	10.705	76	3416	0.61	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.501	63	187	6.97	ug/l #	1
59) 2-Hexanone	10.705	43	43890	30.09	ug/l #	50
70) Styrene	11.928	104	210	2.52	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	90241	22.12	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	90241	63.14	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.758	180	239	3.35	ug/l	83
95) Naphthalene	15.101	128	536	3.93	ug/l #	69

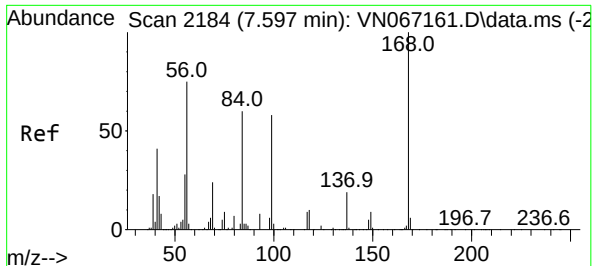
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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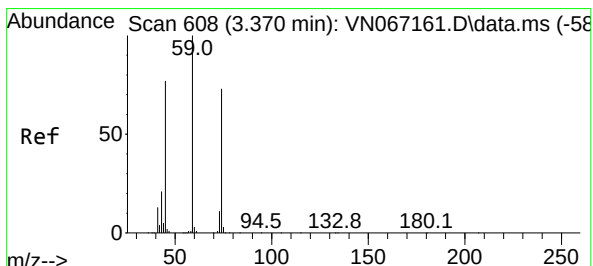
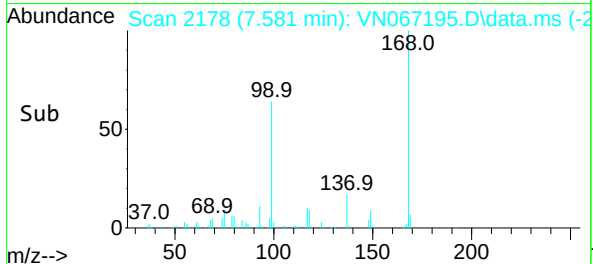
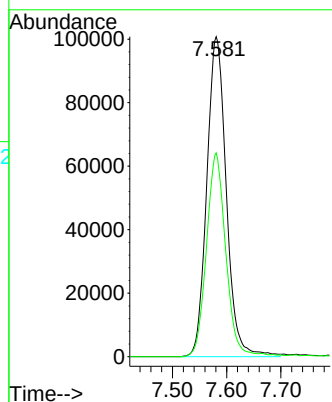
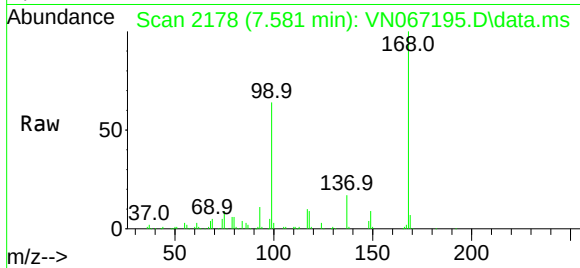




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.016 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

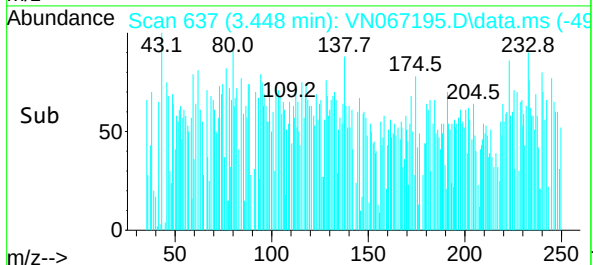
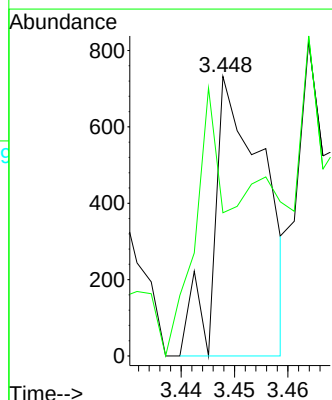
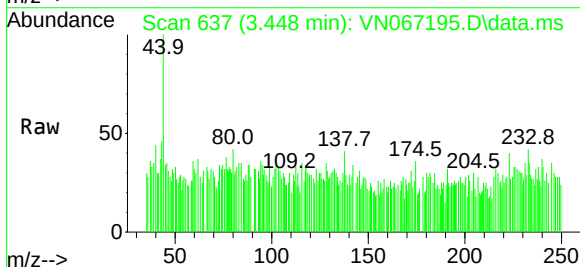
Instrument :
MSVOA_N
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JCSY-SP1-VOC

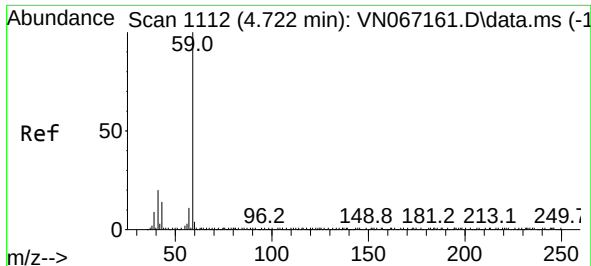
Tgt Ion:168 Resp: 252149
Ion Ratio Lower Upper
168 100
99 63.7 38.5 57.7#



#8
Diethyl Ether
Concen: 0.22 ug/l
RT: 3.448 min Scan# 637
Delta R.T. 0.078 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 74 Resp: 471
Ion Ratio Lower Upper
74 100
45 65.0 42.7 128.1



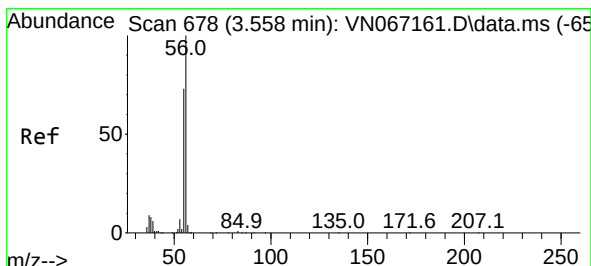
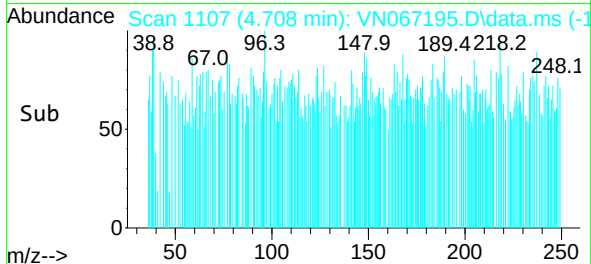
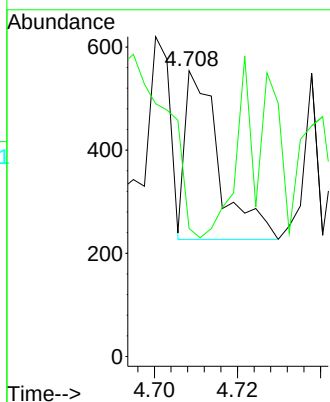
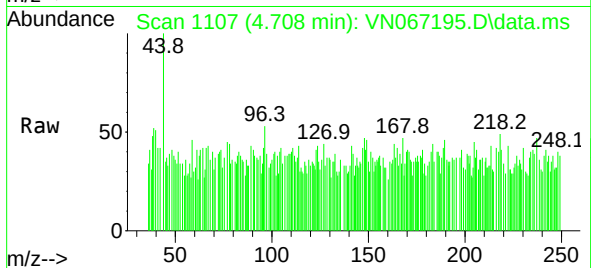


#11

Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.708 min Scan# 1107
Delta R.T. -0.014 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Instrument :
MSVOA_N
ClientSampleId :
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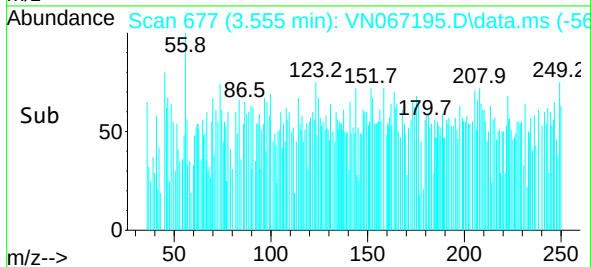
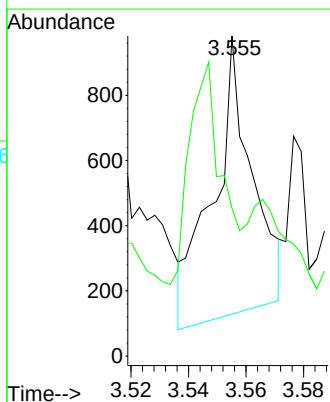
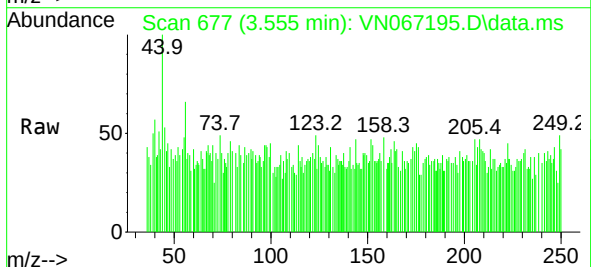
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 71.7 3.5 5.3#

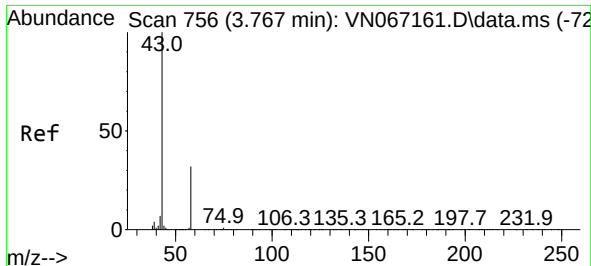


#13

Acrolein
Concen: 1.16 ug/l
RT: 3.555 min Scan# 677
Delta R.T. -0.003 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 56 Resp: 793
Ion Ratio Lower Upper
56 100
55 66.7 53.8 80.6

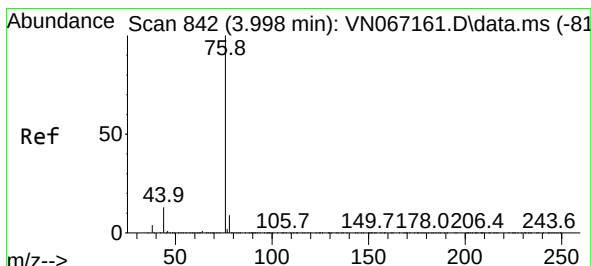
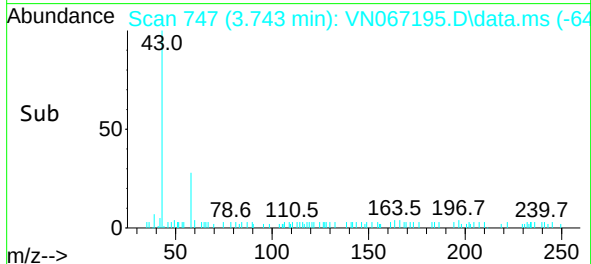
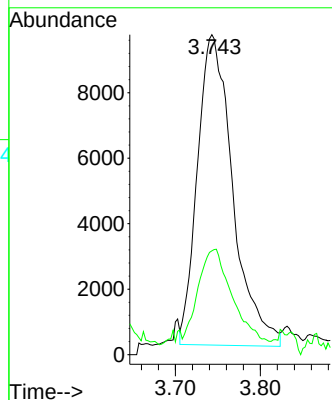
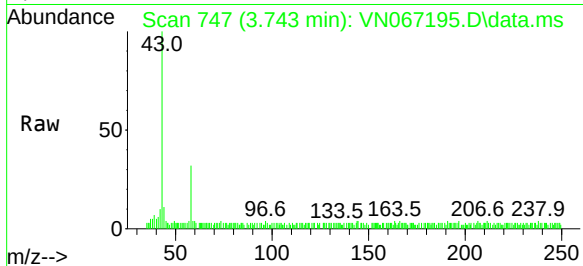




#16
Acetone
Concen: 17.02 ug/l
RT: 3.743 min Scan# 747
Delta R.T. -0.024 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

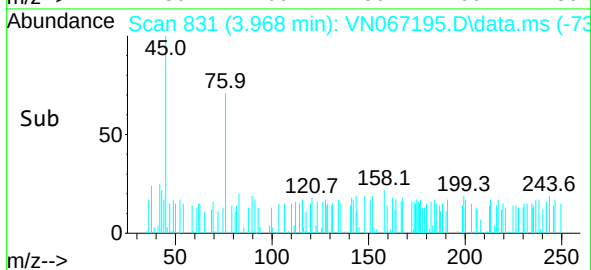
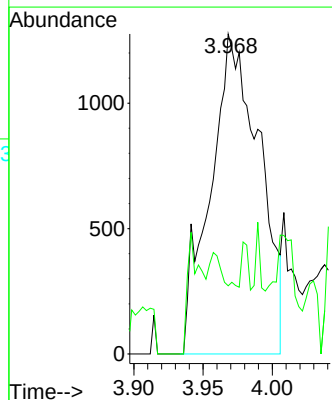
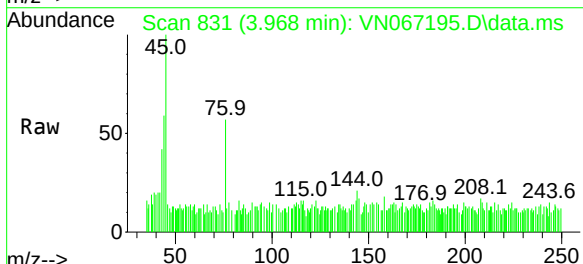
Instrument :
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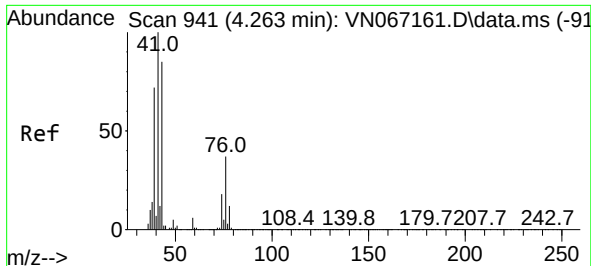
Tgt Ion: 43 Resp: 27379
Ion Ratio Lower Upper
43 100
58 26.4 27.2 40.8#



#17
Carbon Disulfide
Concen: 0.34 ug/l
RT: 3.968 min Scan# 831
Delta R.T. -0.030 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 76 Resp: 3155
Ion Ratio Lower Upper
76 100
78 21.3 7.5 11.3#

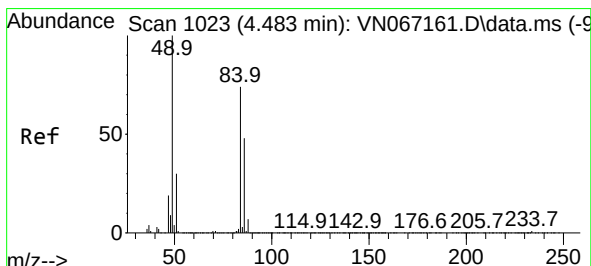
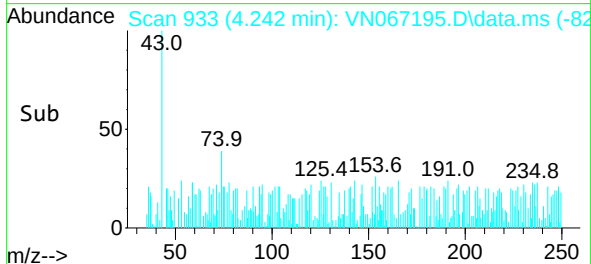
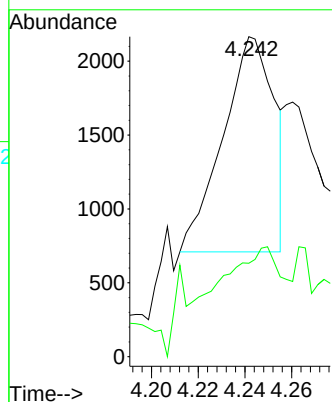
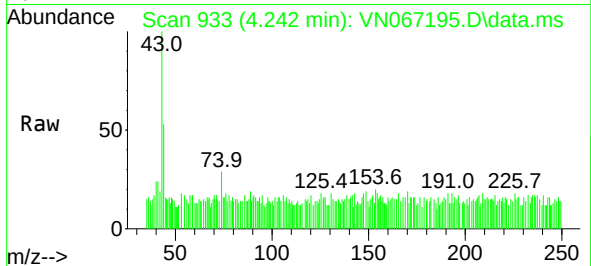




#18
Methyl Acetate
Concen: 0.49 ug/l
RT: 4.242 min Scan# 933
Delta R.T. -0.021 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

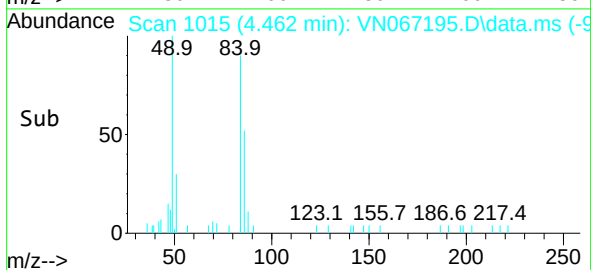
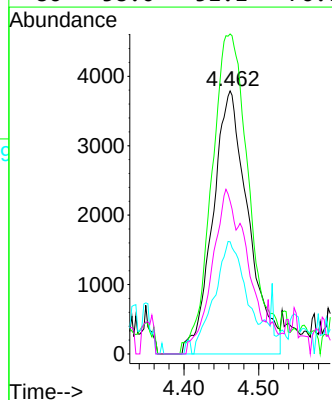
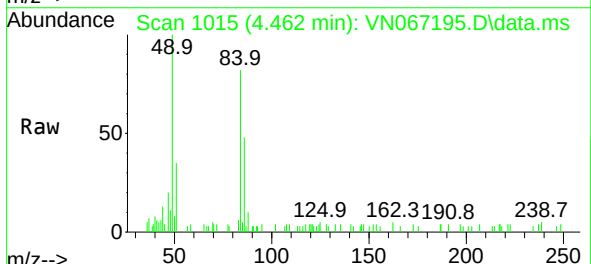
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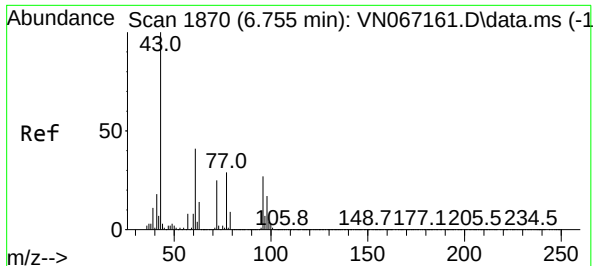
Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
74 57.2 21.4 32.2#



#20
Methylene Chloride
Concen: 3.16 ug/l
RT: 4.462 min Scan# 1015
Delta R.T. -0.021 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 84 Resp: 12501
Ion Ratio Lower Upper
84 100
49 121.7 88.3 132.5
51 42.7 26.7 40.1#
86 58.0 51.1 76.7

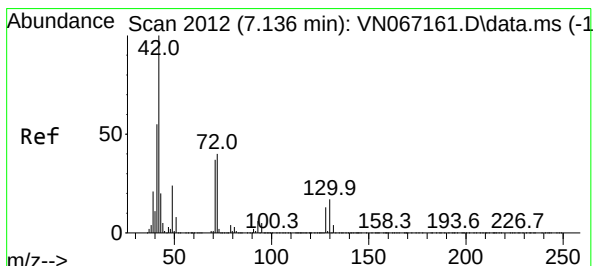
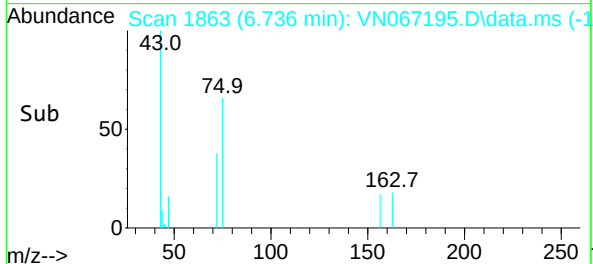
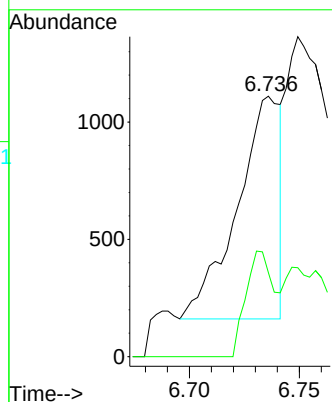
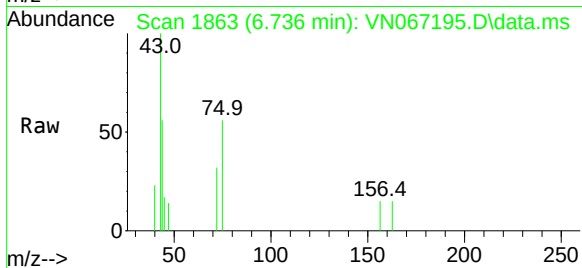




#25
2-Butanone
Concen: 0.51 ug/l
RT: 6.736 min Scan# 1863
Delta R.T. -0.019 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

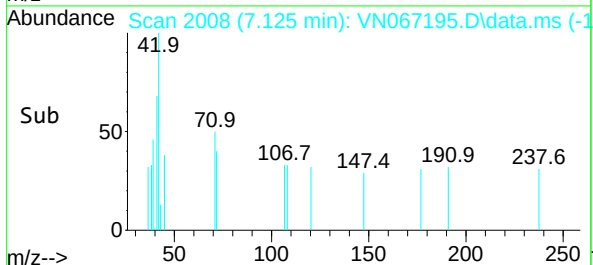
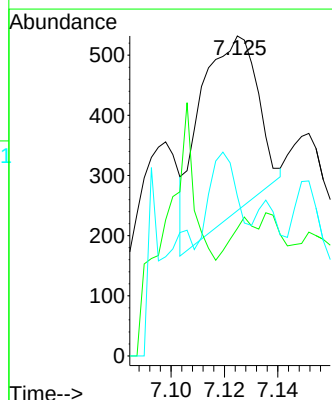
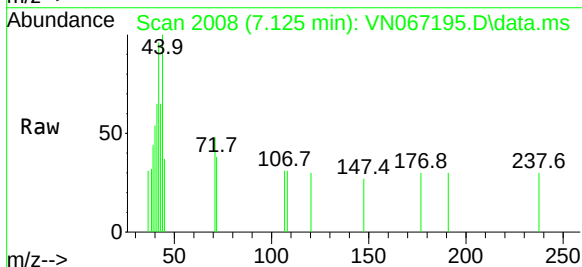
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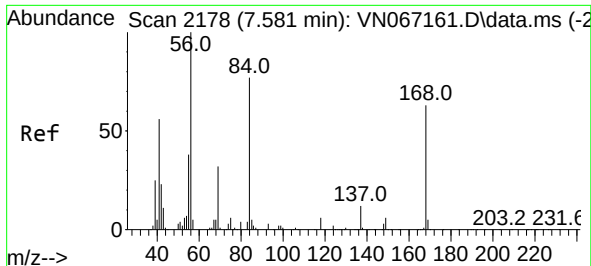
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
72 37.8 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 7.125 min Scan# 2008
Delta R.T. -0.011 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 8.8 40.1 60.1#
71 30.5 37.9 56.9#

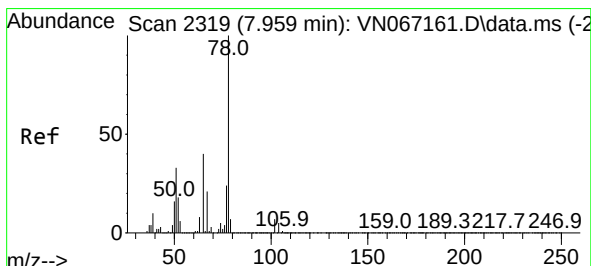
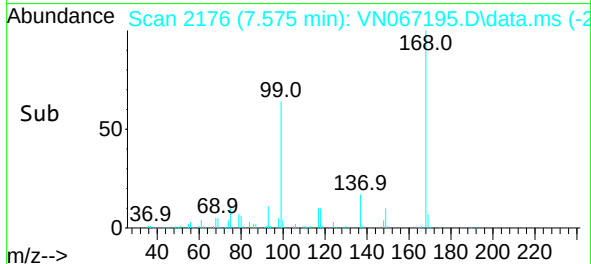
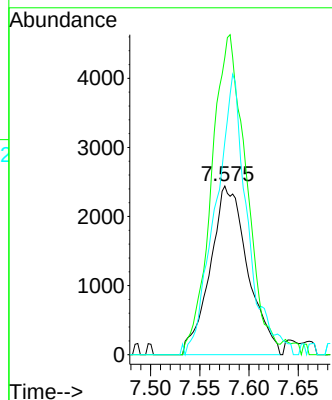
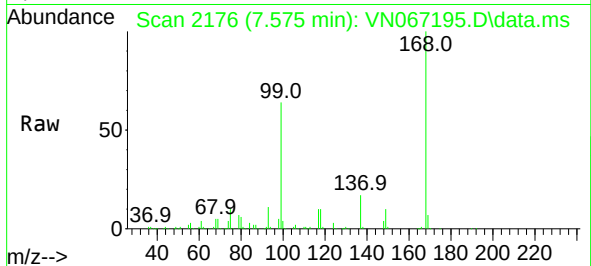




#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.575 min Scan# 2176
Delta R.T. -0.006 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

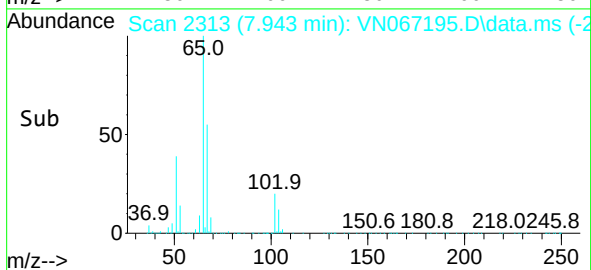
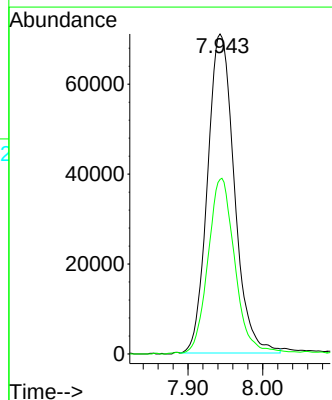
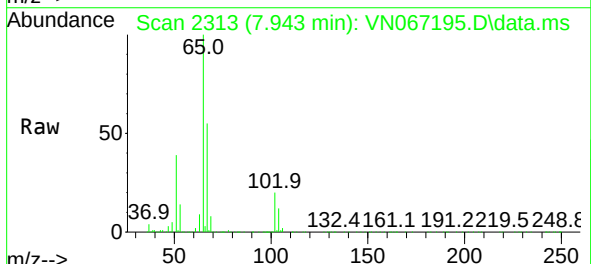
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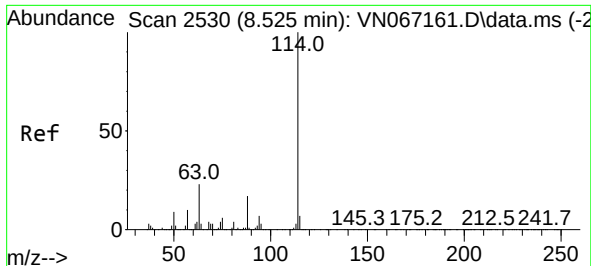
Tgt Ion: 56 Resp: 6468
Ion Ratio Lower Upper
56 100
69 176.4 28.0 42.0#
84 126.5 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 45.24 ug/l
RT: 7.943 min Scan# 2313
Delta R.T. -0.016 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 65 Resp: 177041
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.4

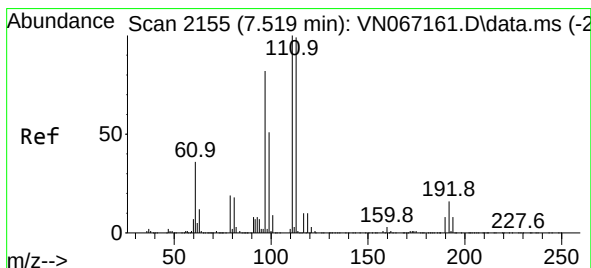
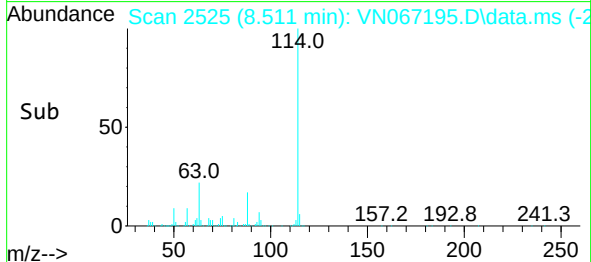
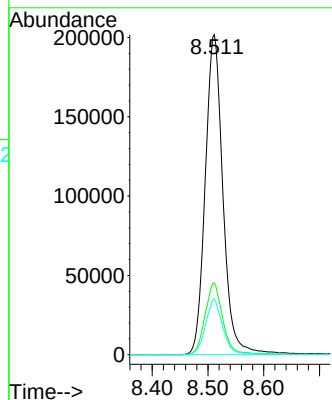
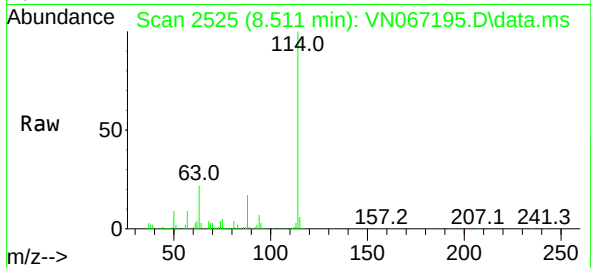




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.511 min Scan# 2525
Delta R.T. -0.014 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

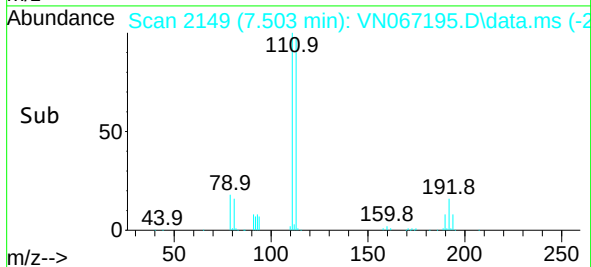
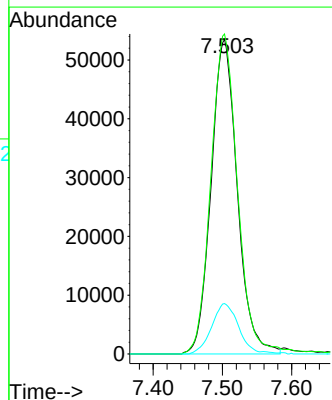
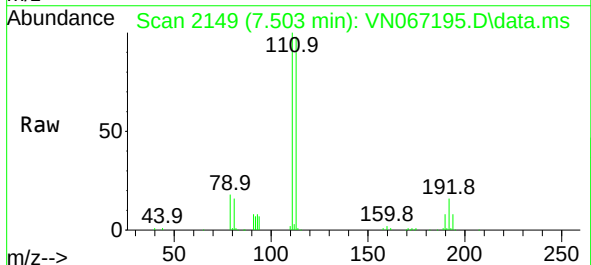
Instrument :
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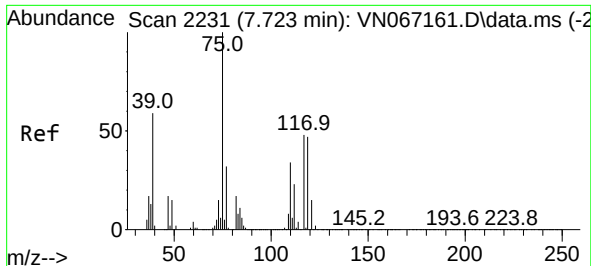
Tgt Ion:114 Resp: 445200
Ion Ratio Lower Upper
114 100
63 22.4 0.0 35.8
88 17.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 51.43 ug/l
RT: 7.503 min Scan# 2149
Delta R.T. -0.016 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion:113 Resp: 140524
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 16.2 18.2 27.4#

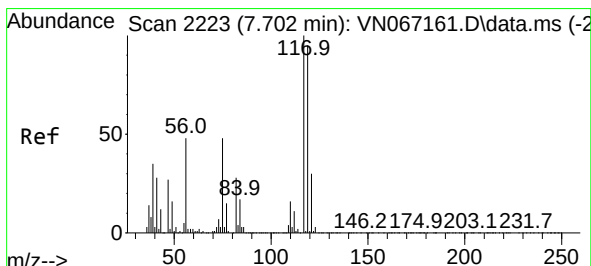
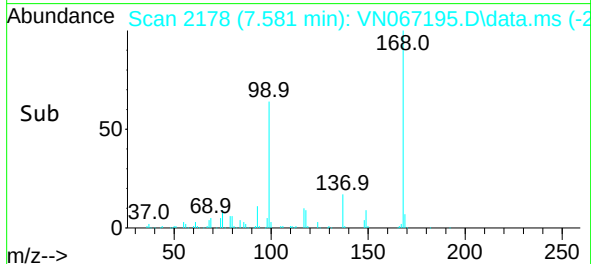
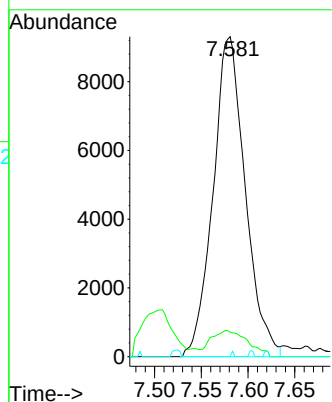
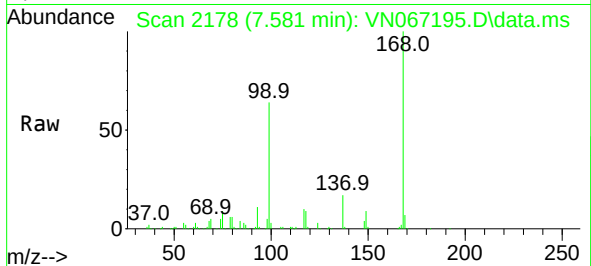




#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.142 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

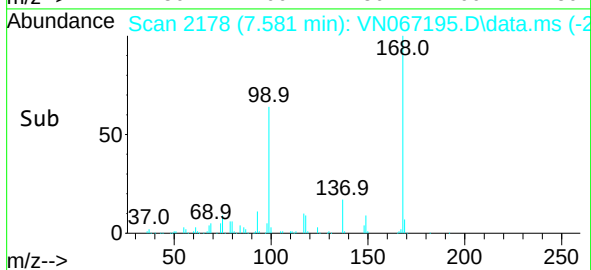
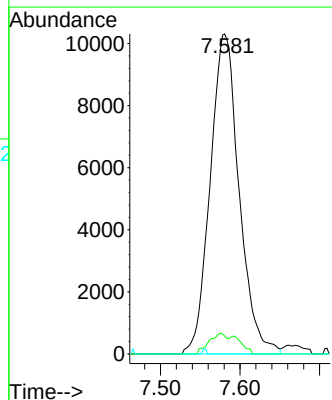
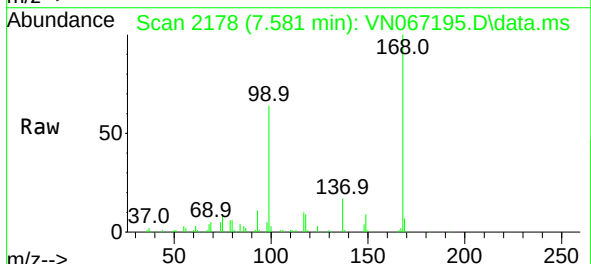
Instrument :
MSVOA_N
ClientSampleId :
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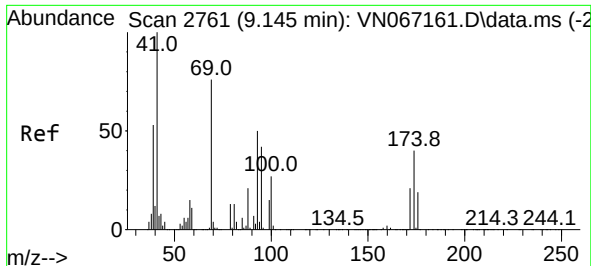
Tgt Ion: 75 Resp: 22290
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.1 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.94 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.121 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 117 Resp: 26039
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.7 37.1#

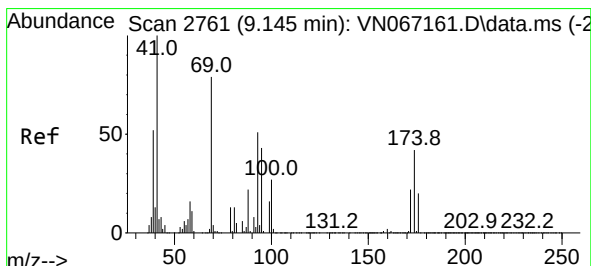
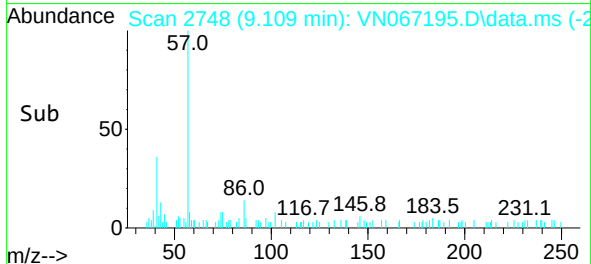
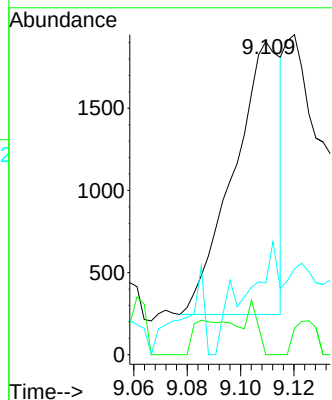
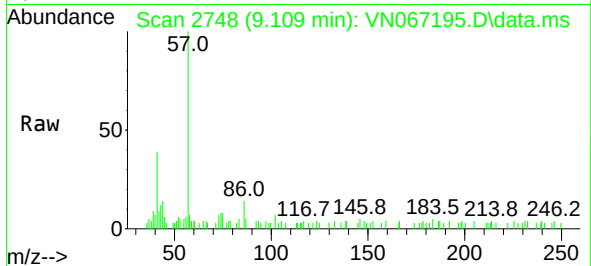




#48
Methyl methacrylate
Concen: 0.53 ug/l
RT: 9.109 min Scan# 2748
Delta R.T. -0.036 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

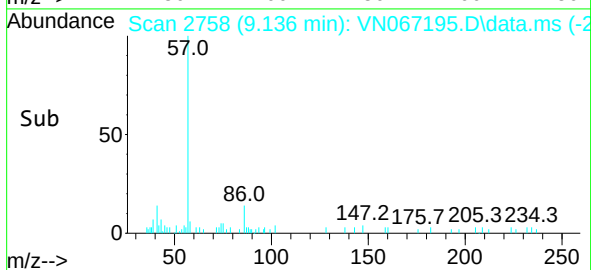
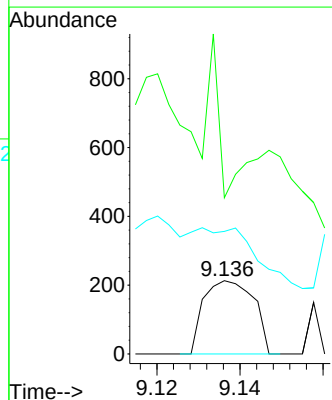
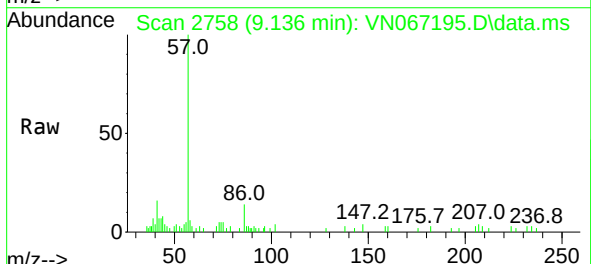
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

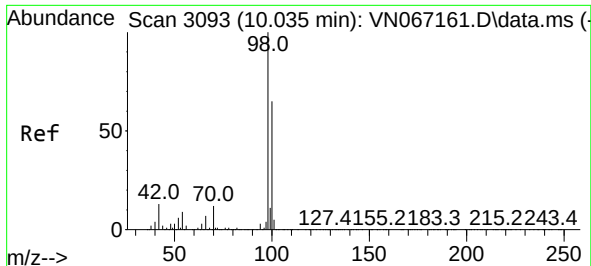
Tgt Ion: 41 Resp: 2022
Ion Ratio Lower Upper
41 100
69 4.0 80.5 120.7#
39 8.9 41.4 62.0#



#49
1,4-Dioxane
Concen: 63.63 ug/l
RT: 9.136 min Scan# 2758
Delta R.T. -0.009 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 0.0 50.8 76.2#

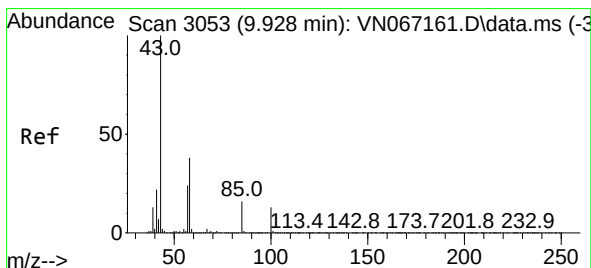
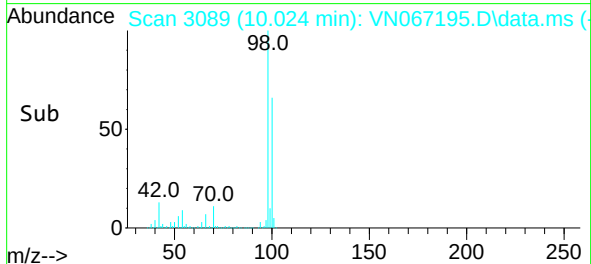
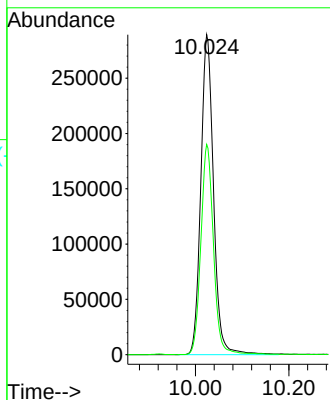
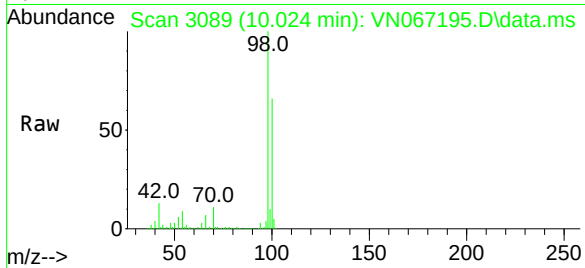




#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.024 min Scan# 3089
Delta R.T. -0.011 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

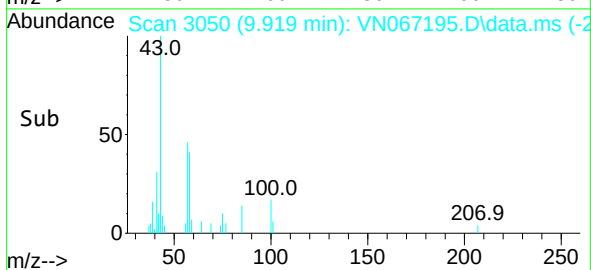
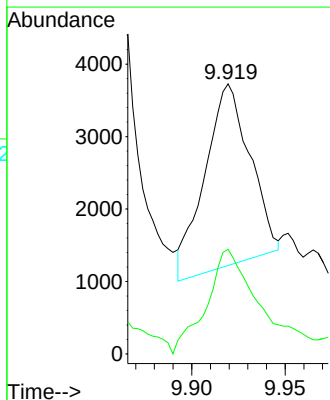
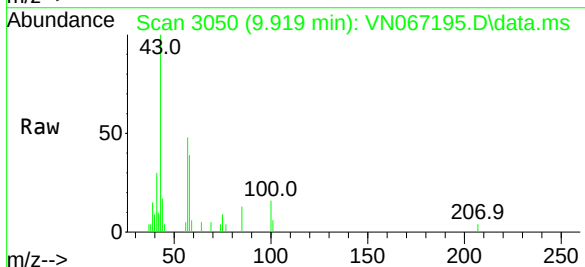
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

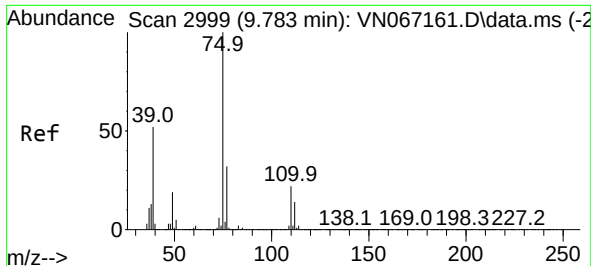
Tgt Ion: 98 Resp: 546831
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 9.919 min Scan# 3050
Delta R.T. -0.009 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
58 68.9 34.5 51.7#

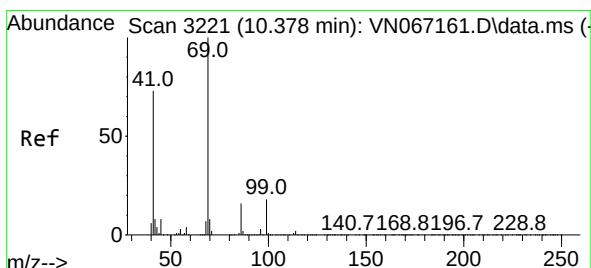
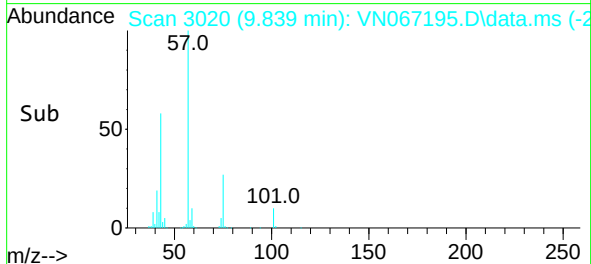
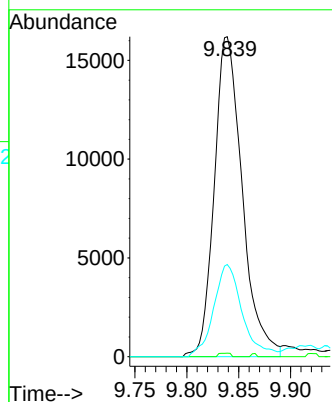
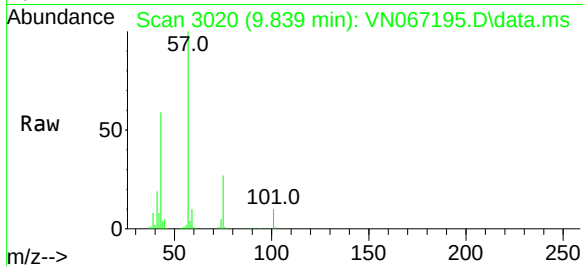




#54
 cis-1,3-Dichloropropene
 Concen: 5.30 ug/l
 RT: 9.839 min Scan# 3020
 Delta R.T. 0.056 min
 Lab File: VN067195.D
 Acq: 28 May 2021 22:42

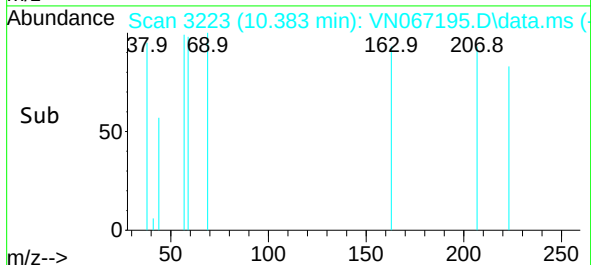
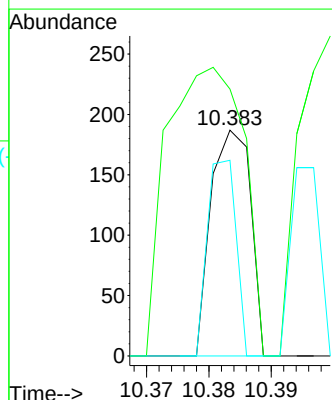
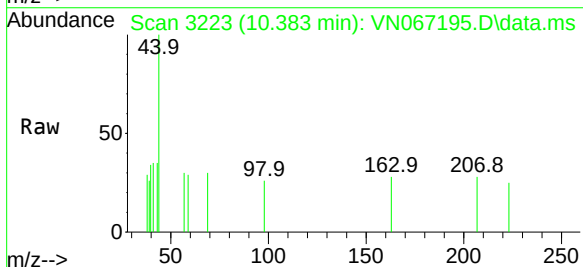
Instrument :
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 JCSY-SP1-VOC

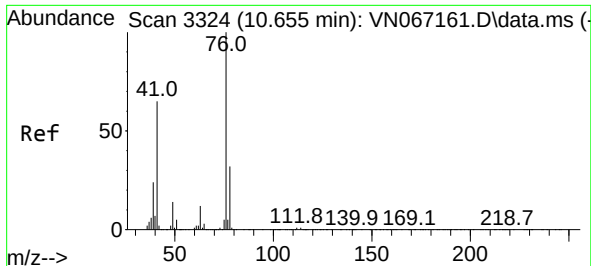
Tgt Ion: 75 Resp: 30278
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.1 37.7#
 39 28.8 30.9 46.3#



#56
 Ethyl methacrylate
 Concen: 2.80 ug/l
 RT: 10.383 min Scan# 3223
 Delta R.T. 0.005 min
 Lab File: VN067195.D
 Acq: 28 May 2021 22:42

Tgt Ion: 69 Resp: 82
 Ion Ratio Lower Upper
 69 100
 41 0.0 45.5 68.3#
 39 0.0 22.9 34.3#

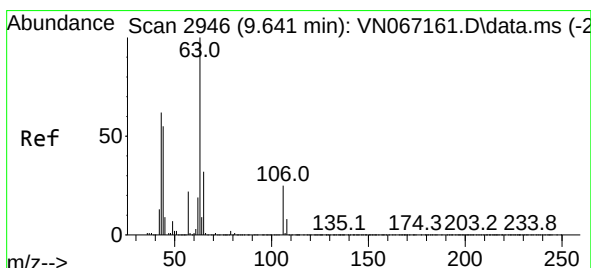
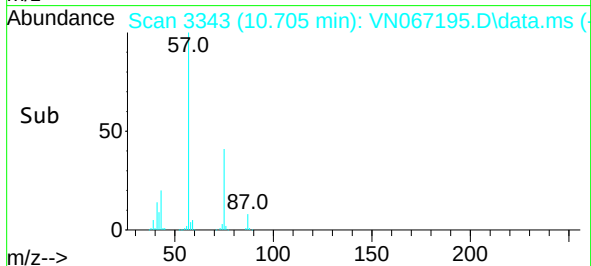
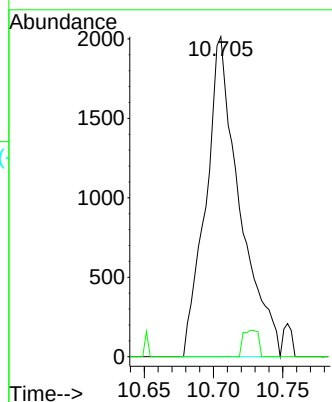
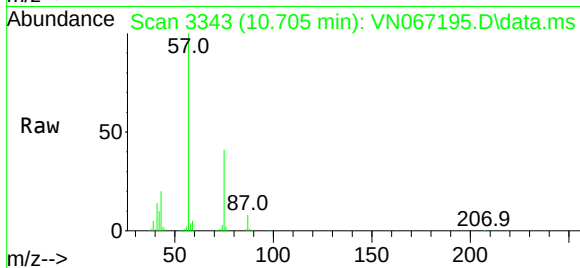




#57
1,3-Dichloropropane
Concen: 0.61 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.050 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

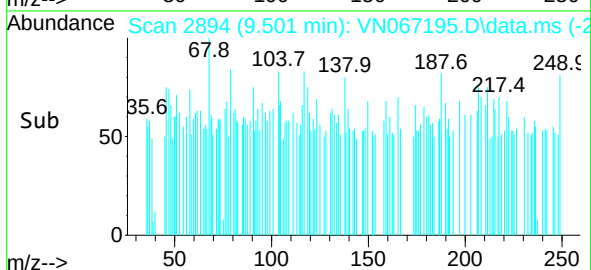
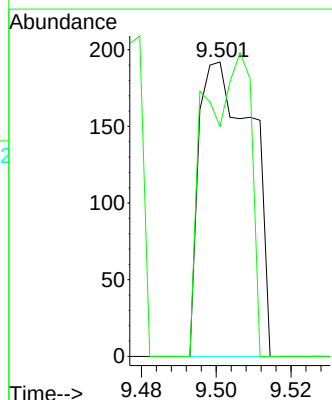
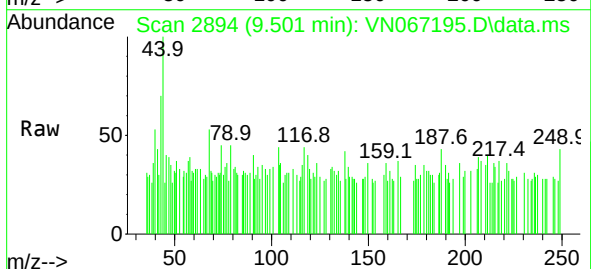
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

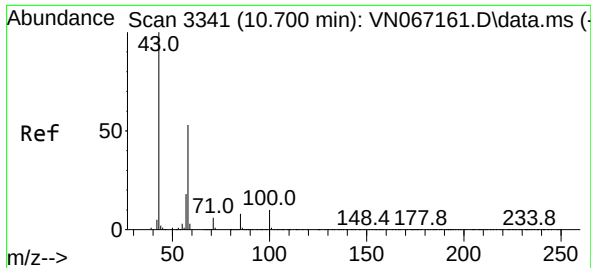
Tgt Ion: 76 Resp: 3416
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 6.97 ug/l
RT: 9.501 min Scan# 2894
Delta R.T. -0.140 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 63 Resp: 187
Ion Ratio Lower Upper
63 100
106 89.8 23.9 35.9#

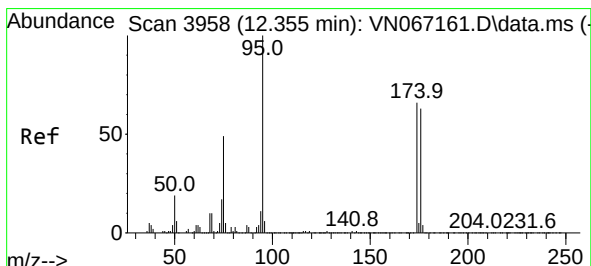
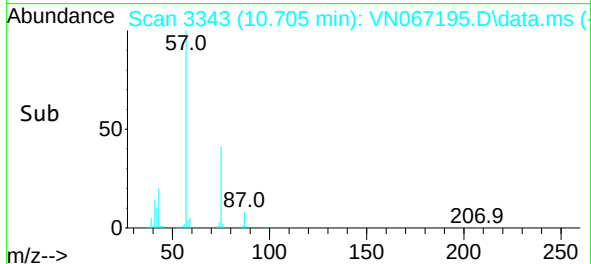
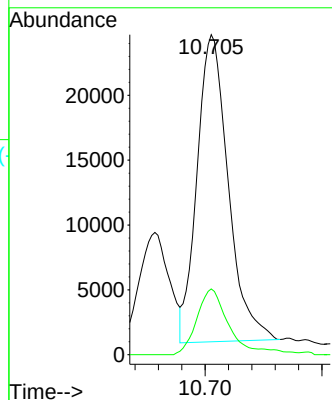
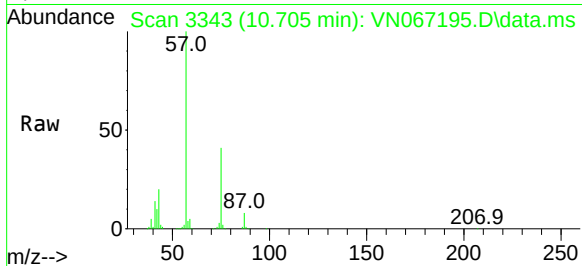




#59
2-Hexanone
Concen: 30.09 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.005 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

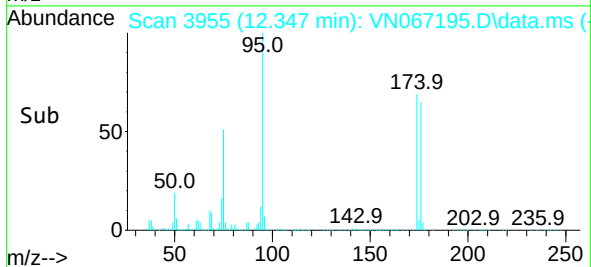
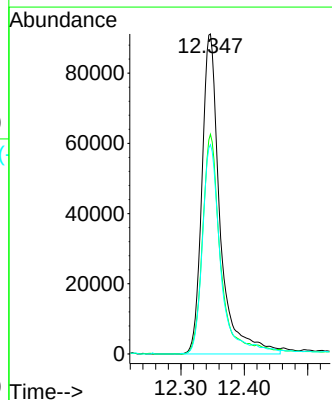
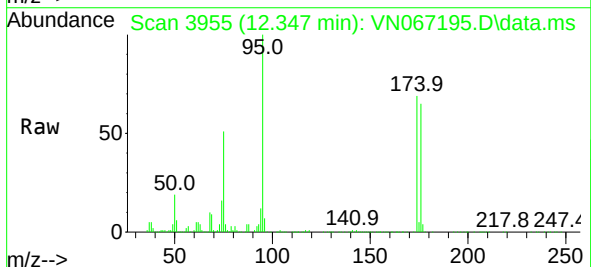
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MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

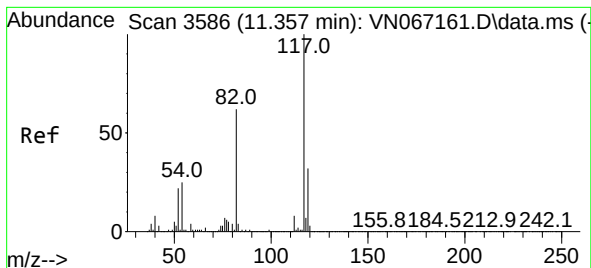
Tgt Ion: 43 Resp: 43890
Ion Ratio Lower Upper
43 100
58 22.3 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.37 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.008 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 95 Resp: 181068
Ion Ratio Lower Upper
95 100
174 66.4 0.0 182.8
176 63.6 0.0 176.6

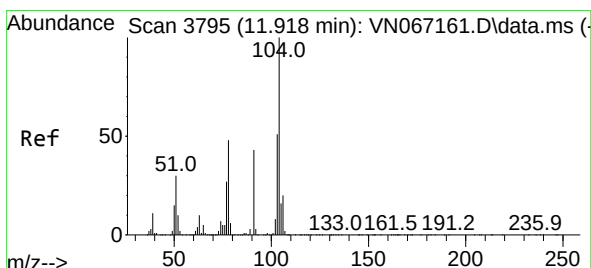
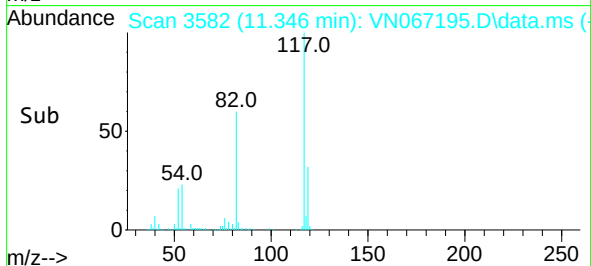
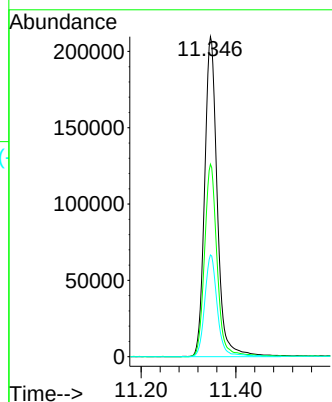
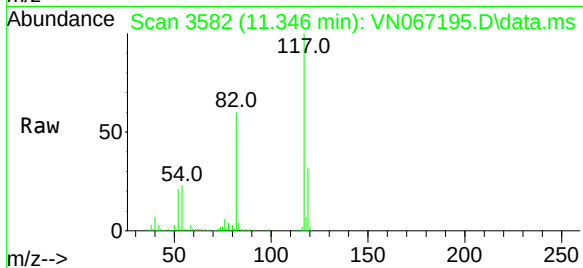




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.346 min Scan# 3582
Delta R.T. -0.011 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

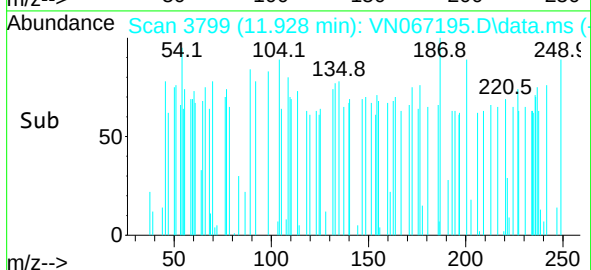
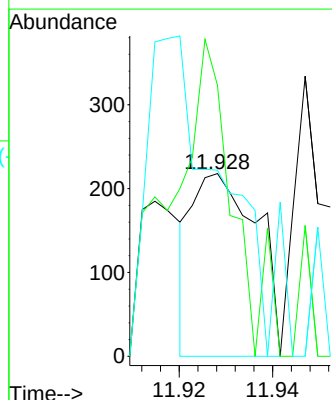
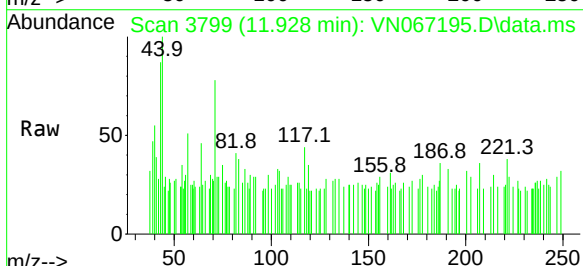
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

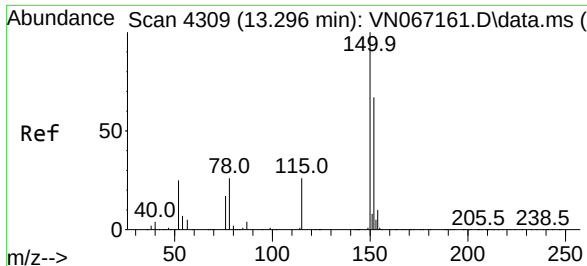
Tgt Ion:117 Resp: 390243
Ion Ratio Lower Upper
117 100
82 60.2 42.2 63.2
119 31.8 25.8 38.6



#70
Styrene
Concen: 2.52 ug/l
RT: 11.928 min Scan# 3799
Delta R.T. 0.010 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion:104 Resp: 210
Ion Ratio Lower Upper
104 100
78 165.2 37.7 56.5#
103 208.1 44.2 66.4#

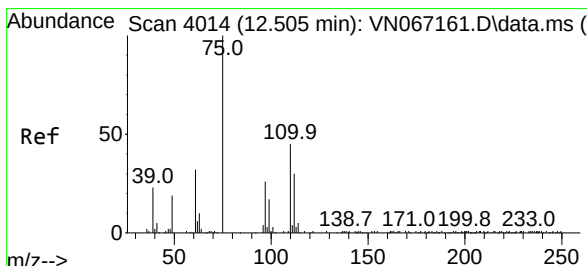
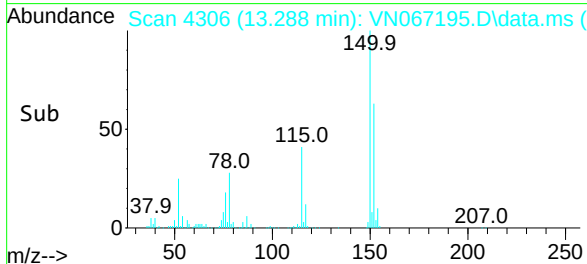
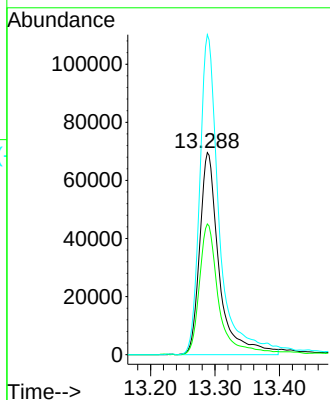
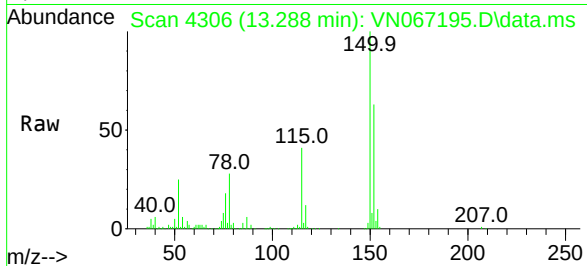




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4306
Delta R.T. -0.008 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

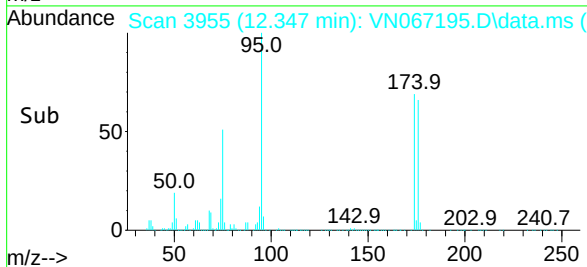
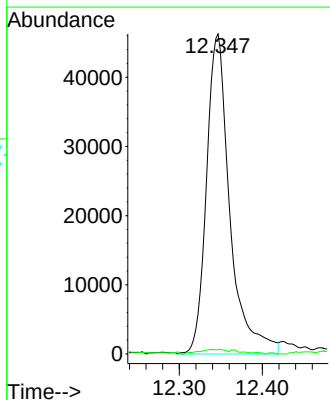
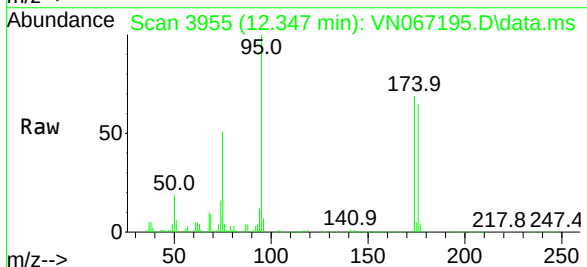
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

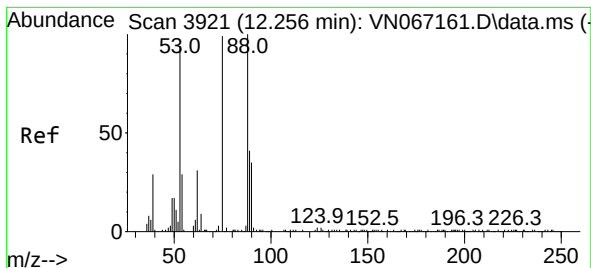
Tgt Ion:152 Resp: 146542
Ion Ratio Lower Upper
152 100
115 64.0 27.0 80.8
150 153.8 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 22.12 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.158 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion: 75 Resp: 90241
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

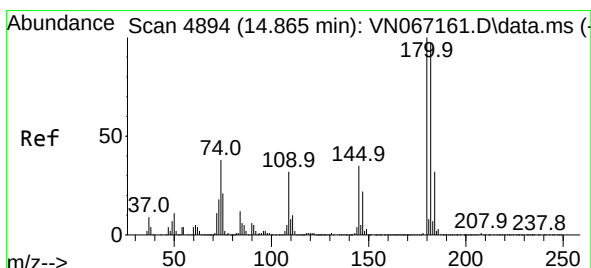
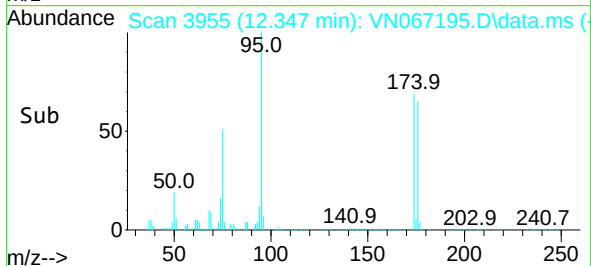
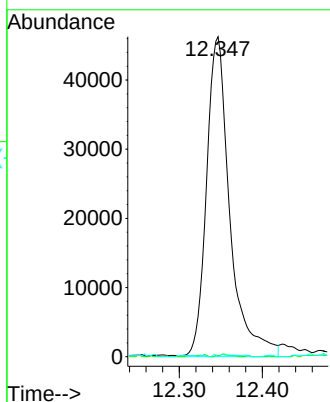
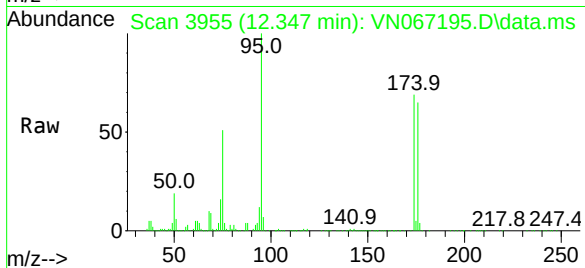




#81
trans-1,4-Dichloro-2-butene
Concen: 63.14 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.091 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

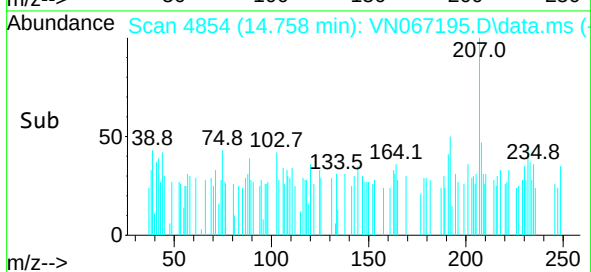
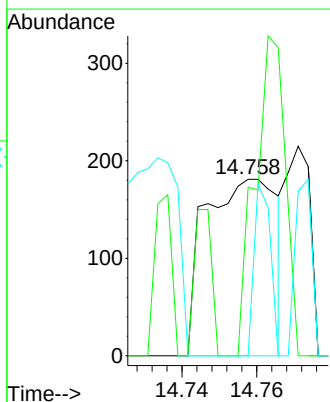
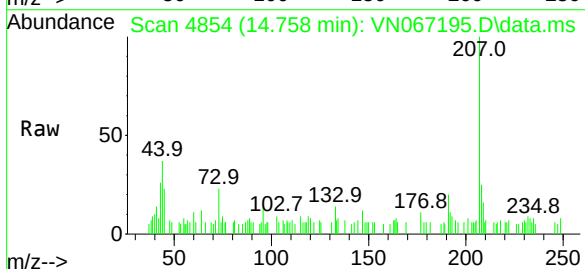
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

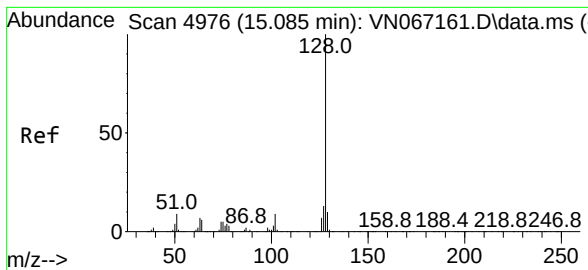
Tgt Ion: 75 Resp: 90241
Ion Ratio Lower Upper
75 100
53 0.4 66.3 99.5#
89 0.2 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.35 ug/l
RT: 14.758 min Scan# 4854
Delta R.T. -0.107 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Tgt Ion:180 Resp: 239
Ion Ratio Lower Upper
180 100
182 76.6 47.3 141.8
145 22.2 14.0 42.0





#95
Naphthalene
Concen: 3.93 ug/l
RT: 15.101 min Scan# 4982
Delta R.T. 0.016 min
Lab File: VN067195.D
Acq: 28 May 2021 22:42

Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP1-VOC

Tgt Ion:	128	Resp:	536
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

