

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067197.D
 Acq On : 28 May 2021 23:29
 Operator : JC/MD
 Sample : M2551-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JCSY-SP3-VOC

Quant Time: May 29 02:28:10 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)

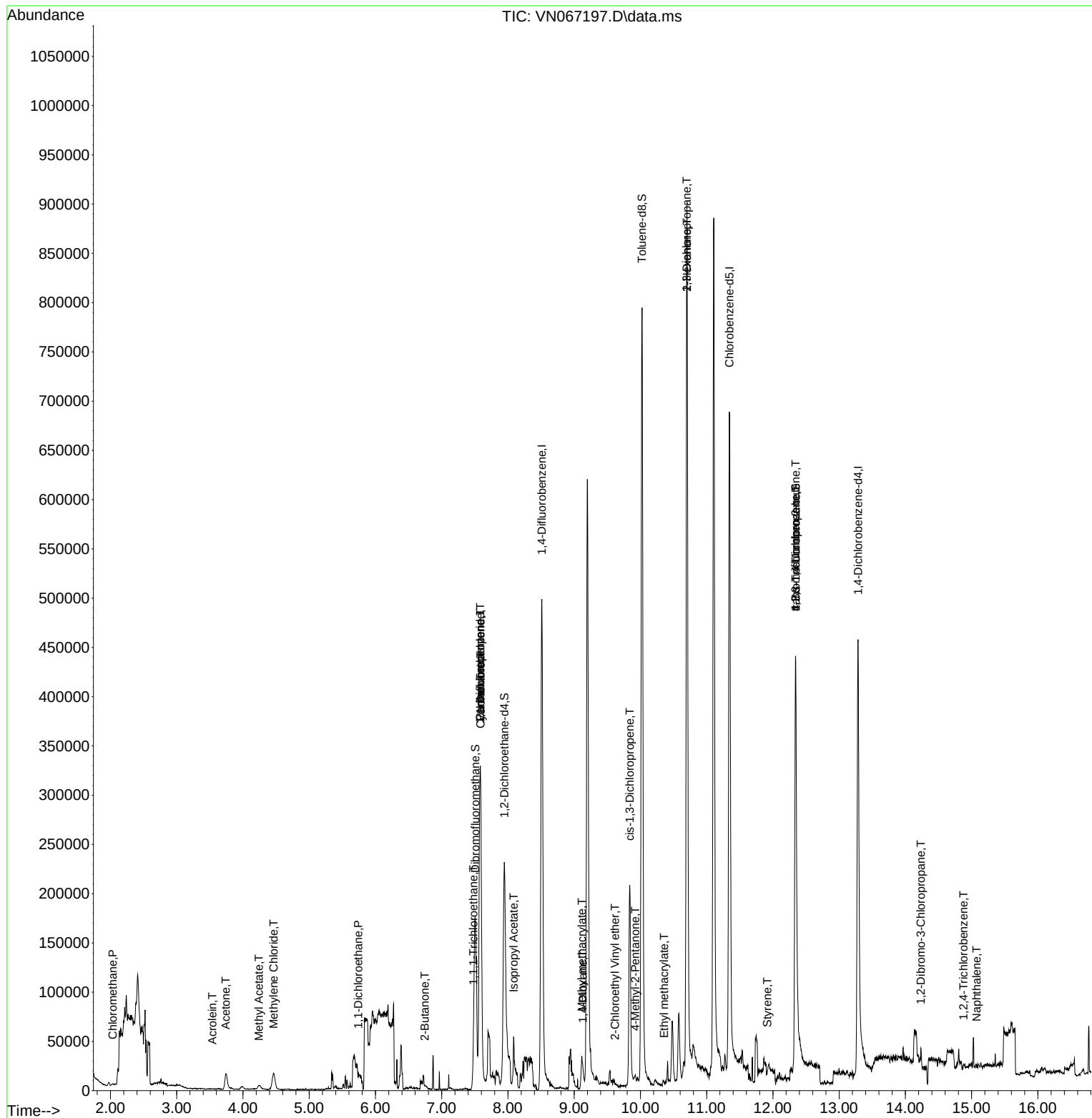
Internal Standards						
1) Pentafluorobenzene	7.584	168	254104	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.512	114	456822	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.344	117	400193	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.285	152	145061	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	182864	46.37	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.74%		
35) Dibromofluoromethane	7.506	113	142181	50.72	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.44%		
50) Toluene-d8	10.024	98	558432	51.76	ug/l	-0.01
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.52%		
62) 4-Bromofluorobenzene	12.341	95	186163	50.47	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.94%		
Target Compounds					Qvalue	
3) Chloromethane	2.035	50	1048	0.23	ug/l	96
13) Acrolein	3.539	56	333	0.48	ug/l	87
16) Acetone	3.740	43	26873	16.58	ug/l	94
18) Methyl Acetate	4.242	43	4979	1.10	ug/l #	68
20) Methylene Chloride	4.464	84	12675	3.18	ug/l #	80
24) 1,1-Dichloroethane	5.741	63	3358	0.50	ug/l #	86
25) 2-Butanone	6.744	43	1755	0.68	ug/l #	85
31) Cyclohexane	7.586	56	6700	1.10	ug/l #	15
32) 1,1,1-Trichloroethane	7.479	97	4677	0.84	ug/l #	46
36) 1,1-Dichloropropene	7.581	75	21354	4.62	ug/l #	50
38) Carbon Tetrachloride	7.584	117	26587	5.91	ug/l #	16
43) Isopropyl Acetate	8.088	43	25084	2.84	ug/l #	85
48) Methyl methacrylate	9.115	41	6773	1.73	ug/l #	19
49) 1,4-Dioxane	9.131	88	277	65.20	ug/l #	79
51) 4-Methyl-2-Pentanone	9.920	43	6601	1.35	ug/l	91
54) cis-1,3-Dichloropropene	9.839	75	39758	6.79	ug/l #	62
56) Ethyl methacrylate	10.359	69	25	2.79	ug/l #	31
57) 1,3-Dichloropropane	10.700	76	10064	1.76	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.614	63	52	6.77	ug/l #	1
59) 2-Hexanone	10.703	43	142415	54.36	ug/l #	45
70) Styrene	11.915	104	24	2.50	ug/l #	34
76) 1,2,3-Trichloropropane	12.341	75	89593	22.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.341	75	89593	63.30	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.232	75	252	0.32	ug/l	83
93) 1,2,4-Trichlorobenzene	14.879	180	143	3.32	ug/l #	1
95) Naphthalene	15.077	128	50	3.87	ug/l #	69

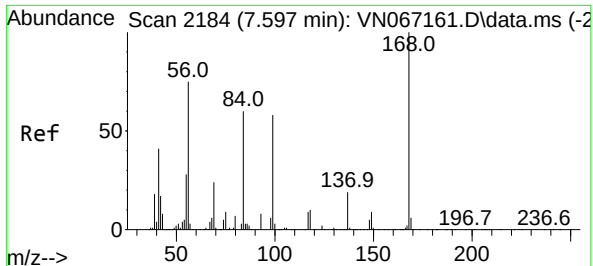
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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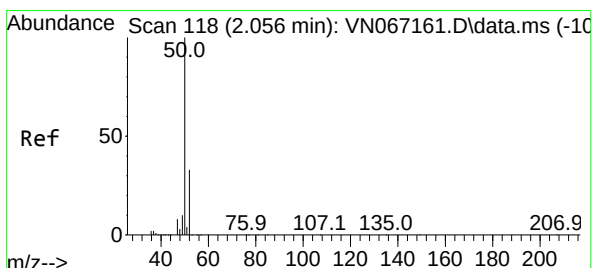
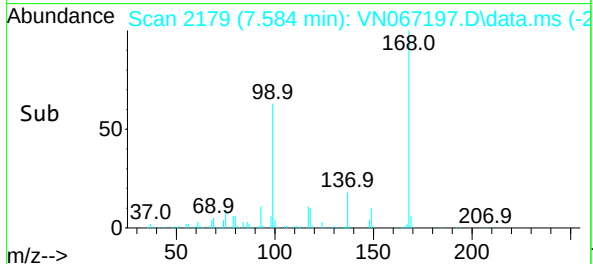
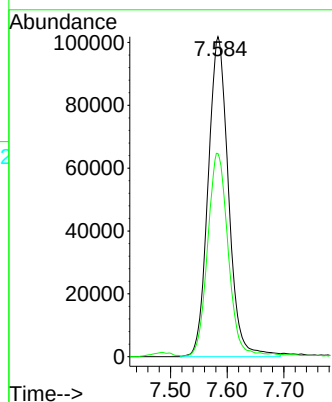
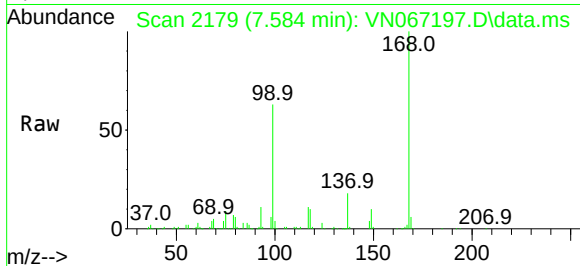




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.013 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

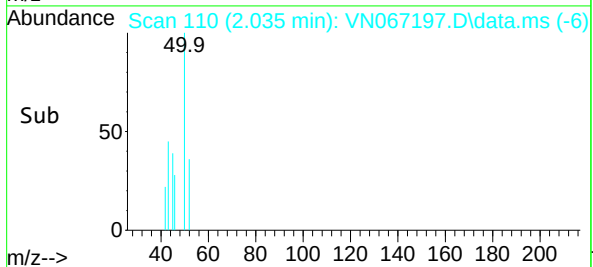
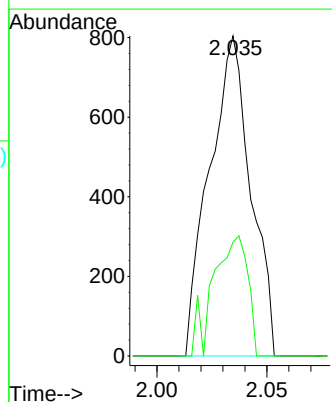
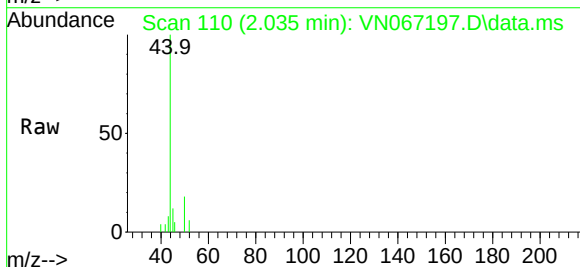
Instrument :
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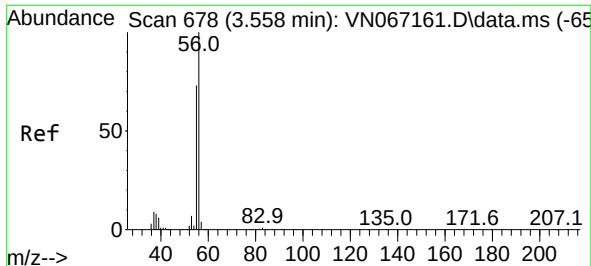
Tgt Ion:168 Resp: 254104
Ion Ratio Lower Upper
168 100
99 63.2 38.5 57.7#



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.035 min Scan# 110
Delta R.T. -0.021 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 50 Resp: 1048
Ion Ratio Lower Upper
50 100
52 35.6 26.5 39.7

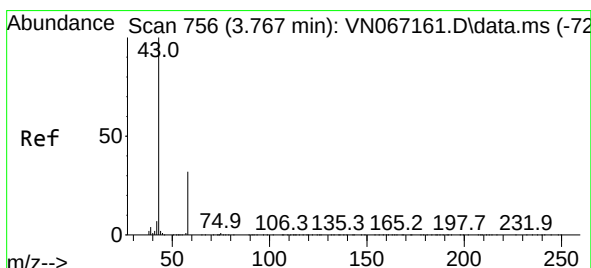
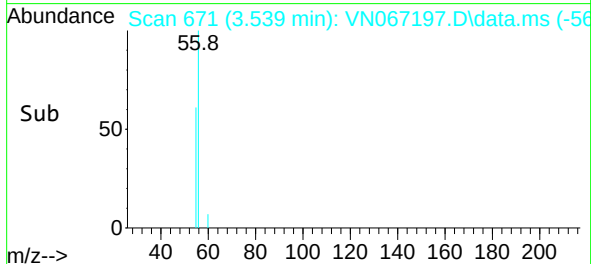
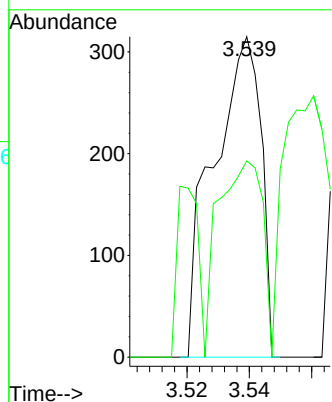
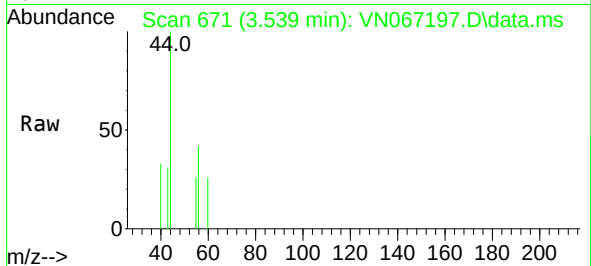




#13
Acrolein
Concen: 0.48 ug/l
RT: 3.539 min Scan# 671
Delta R.T. -0.019 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

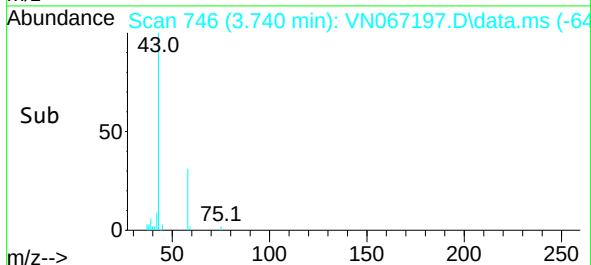
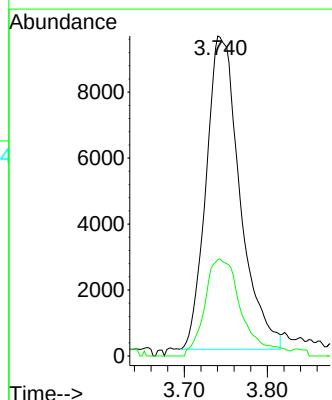
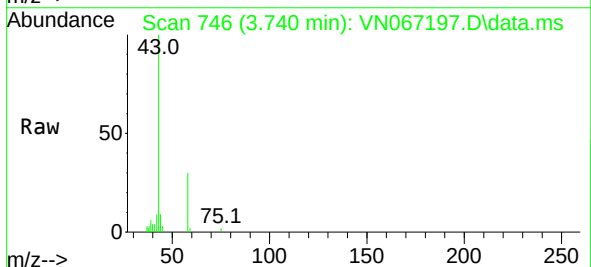
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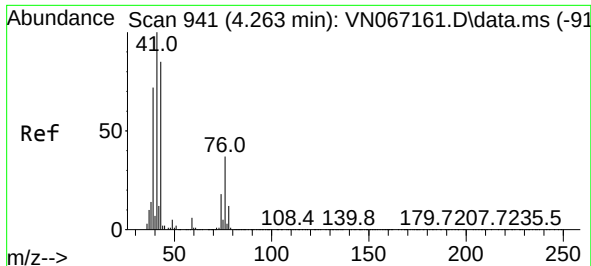
Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 57.1 53.8 80.6



#16
Acetone
Concen: 16.58 ug/l
RT: 3.740 min Scan# 746
Delta R.T. -0.027 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 43 Resp: 26873
Ion Ratio Lower Upper
43 100
58 30.8 27.2 40.8

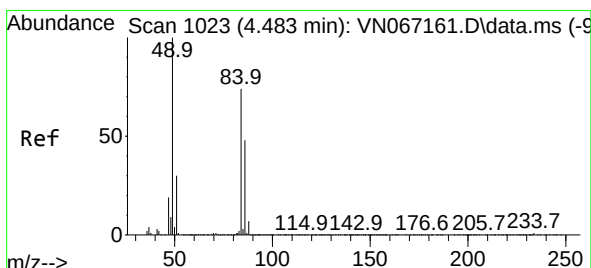
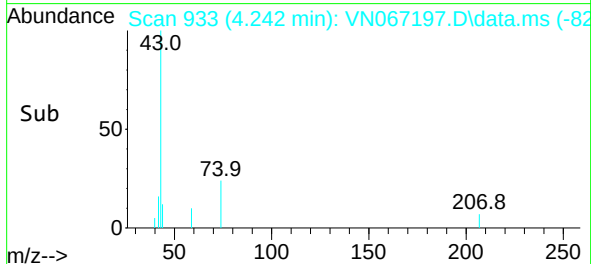
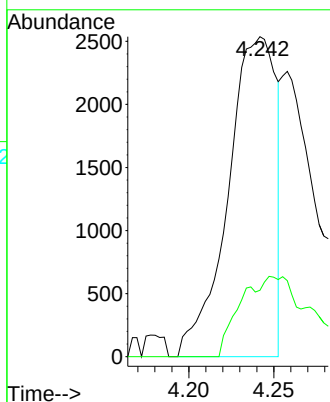
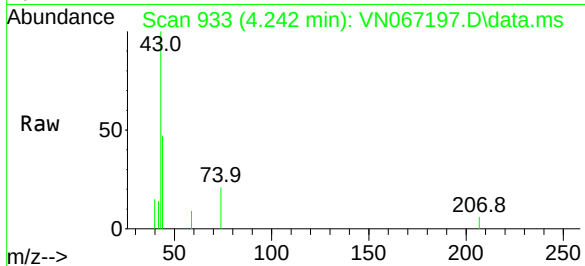




#18
Methyl Acetate
Concen: 1.10 ug/l
RT: 4.242 min Scan# 933
Delta R.T. -0.021 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

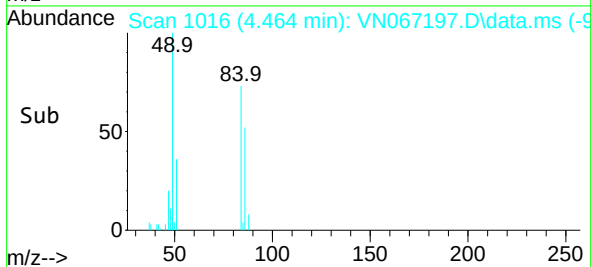
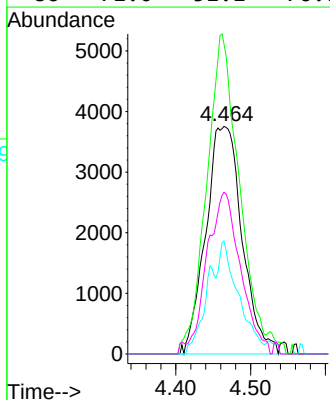
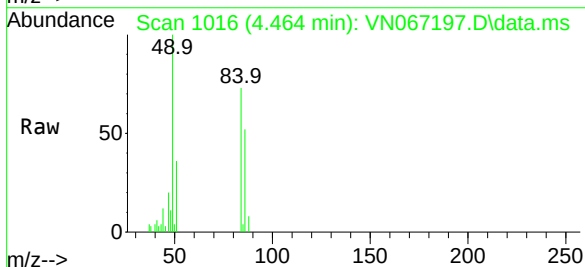
Instrument :
MSVOA_N
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JCSY-SP3-VOC

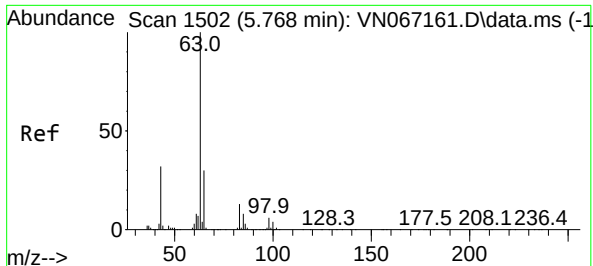
Tgt Ion: 43 Resp: 4979
Ion Ratio Lower Upper
43 100
74 10.2 21.4 32.2#



#20
Methylene Chloride
Concen: 3.18 ug/l
RT: 4.464 min Scan# 1016
Delta R.T. -0.019 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 84 Resp: 12675
Ion Ratio Lower Upper
84 100
49 136.3 88.3 132.5#
51 49.7 26.7 40.1#
86 71.0 51.1 76.7

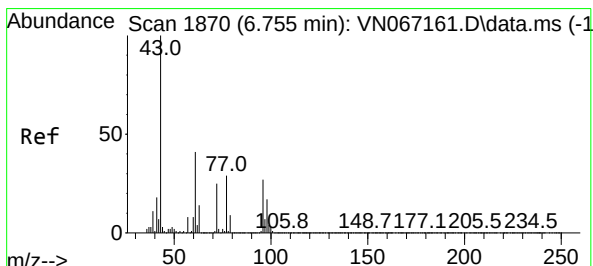
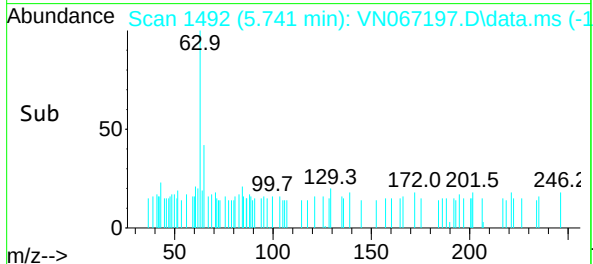
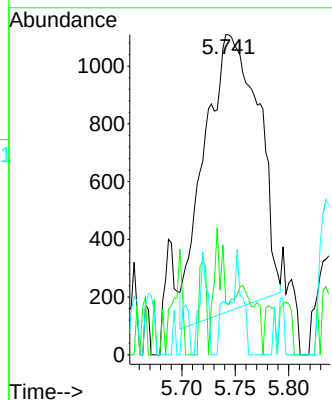
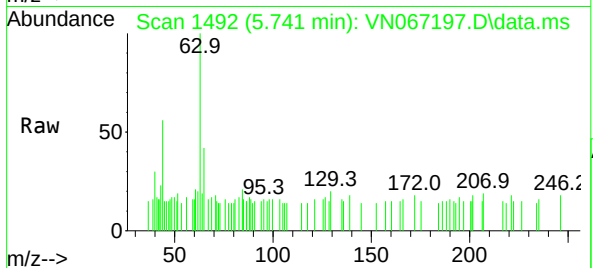




#24
1,1-Dichloroethane
Concen: 0.50 ug/l
RT: 5.741 min Scan# 1492
Delta R.T. -0.027 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

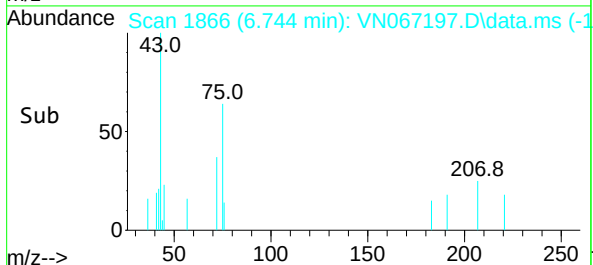
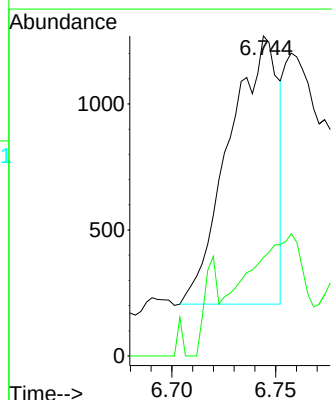
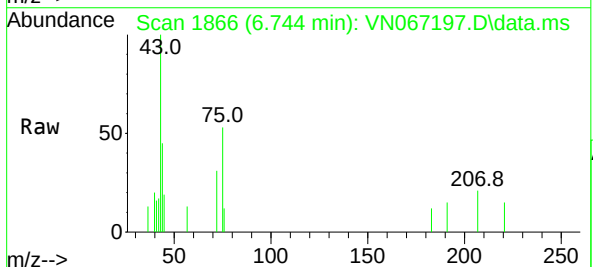
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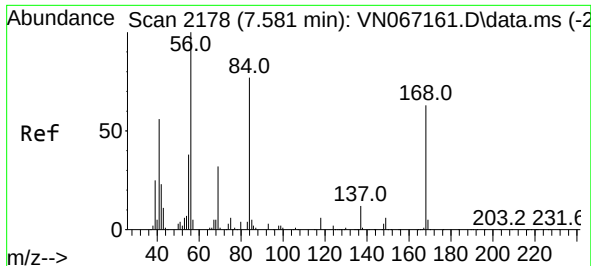
Tgt Ion: 63 Resp: 3358
Ion Ratio Lower Upper
63 100
98 2.5 3.6 10.8#
100 0.0 2.3 6.8#



#25
2-Butanone
Concen: 0.68 ug/l
RT: 6.744 min Scan# 1866
Delta R.T. -0.011 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
72 22.4 24.4 36.6#

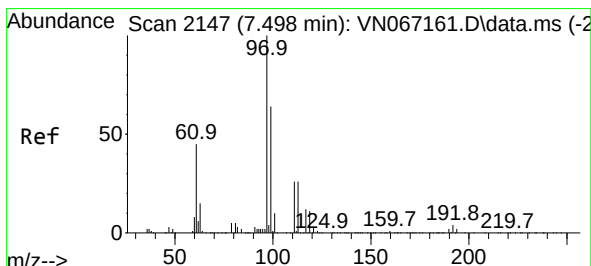
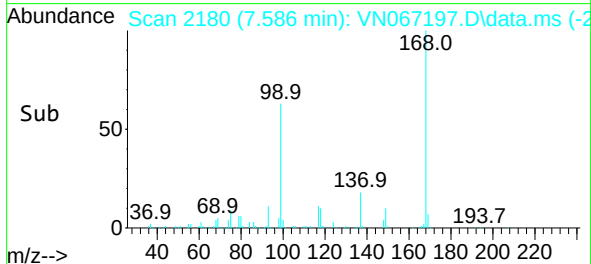
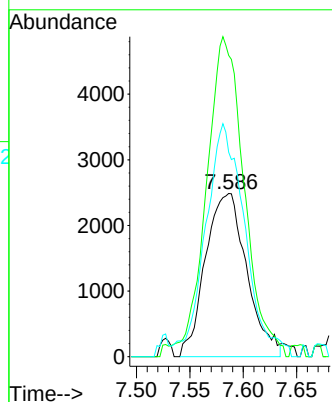
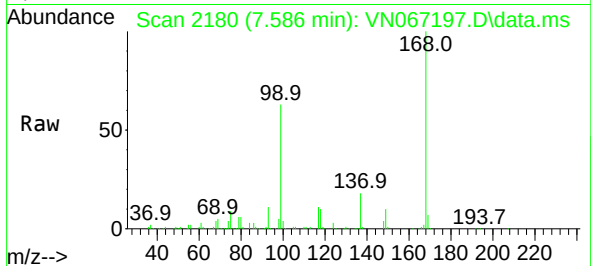




#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.586 min Scan# 2180
Delta R.T. 0.005 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

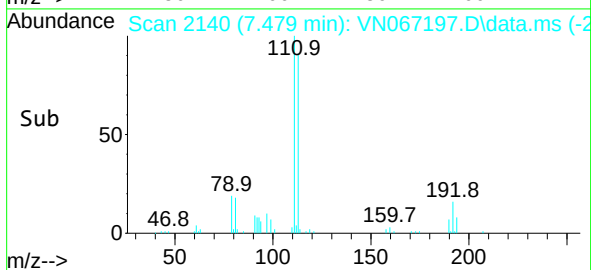
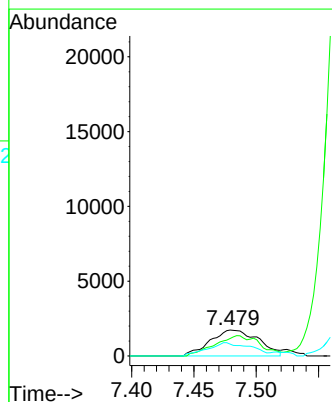
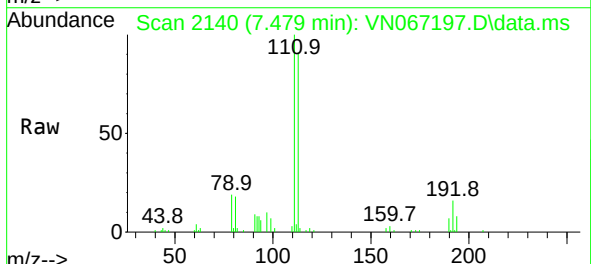
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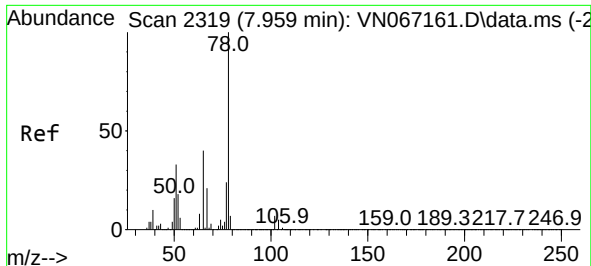
Tgt Ion: 56 Resp: 6700
Ion Ratio Lower Upper
56 100
69 177.6 28.0 42.0#
84 115.5 74.2 111.2#



#32
1,1,1-Trichloroethane
Concen: 0.84 ug/l
RT: 7.479 min Scan# 2140
Delta R.T. -0.019 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 97 Resp: 4677
Ion Ratio Lower Upper
97 100
99 0.0 50.7 76.1#
61 46.1 31.6 47.4

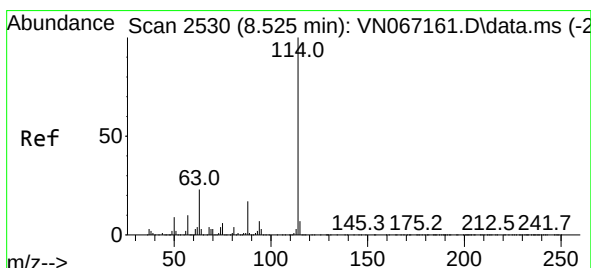
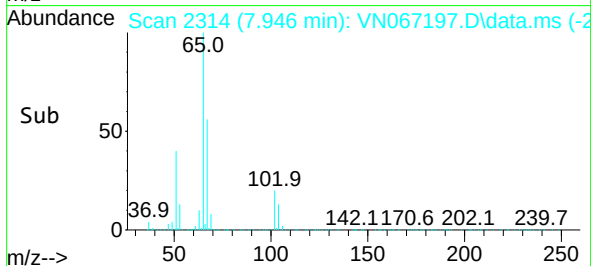
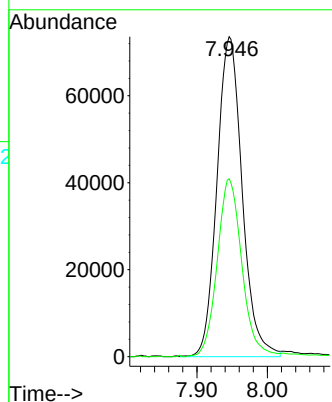
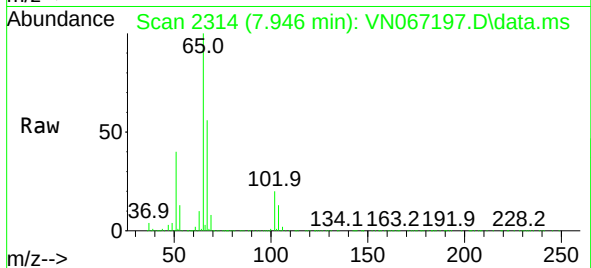




#33
 1,2-Dichloroethane-d4
 Concen: 46.37 ug/l
 RT: 7.946 min Scan# 2314
 Delta R.T. -0.013 min
 Lab File: VN067197.D
 Acq: 28 May 2021 23:29

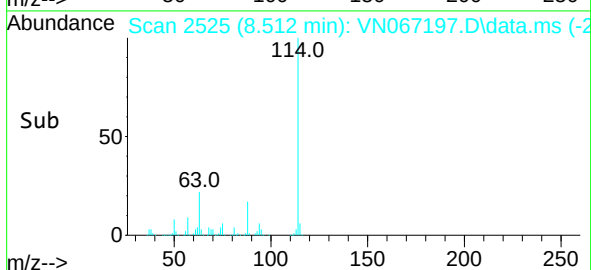
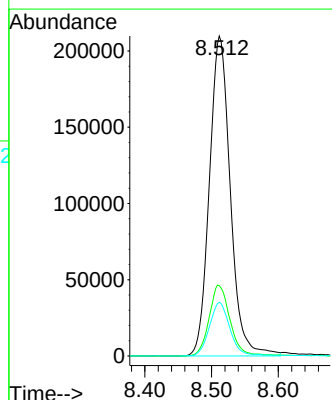
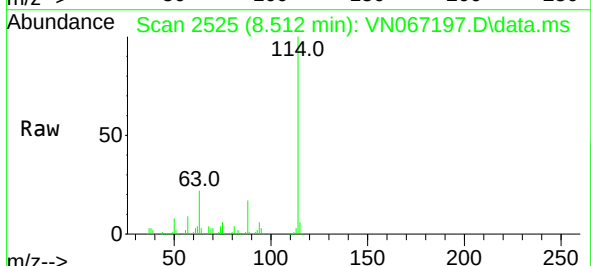
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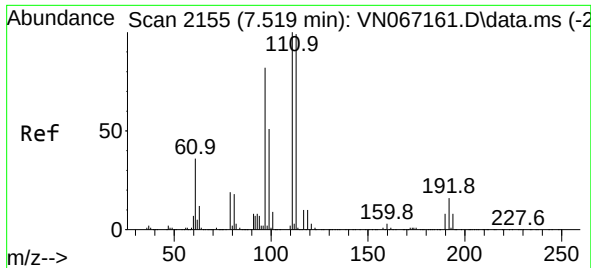
Tgt Ion: 65 Resp: 182864
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2525
 Delta R.T. -0.013 min
 Lab File: VN067197.D
 Acq: 28 May 2021 23:29

Tgt Ion: 114 Resp: 456822
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.8
 88 16.7 0.0 30.4

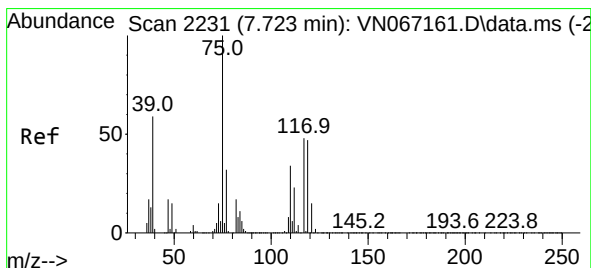
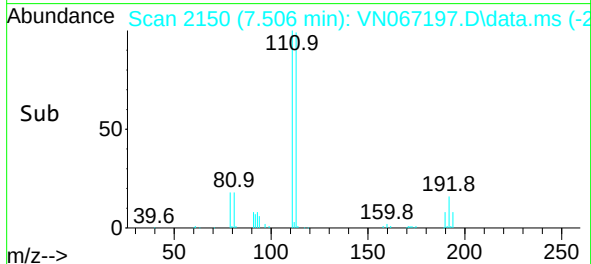
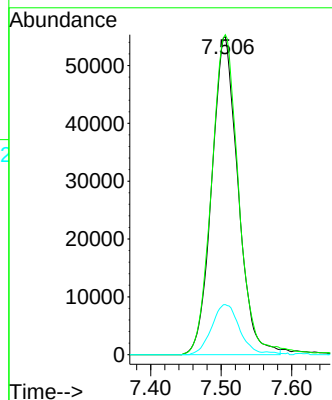
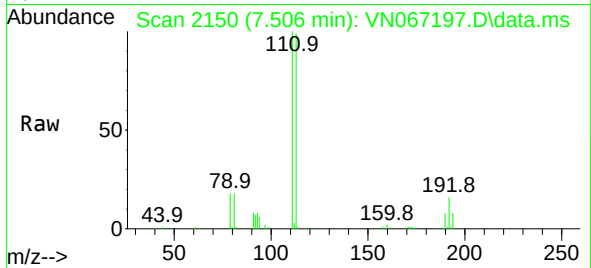




#35
Dibromofluoromethane
Concen: 50.72 ug/l
RT: 7.506 min Scan# 2150
Delta R.T. -0.013 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

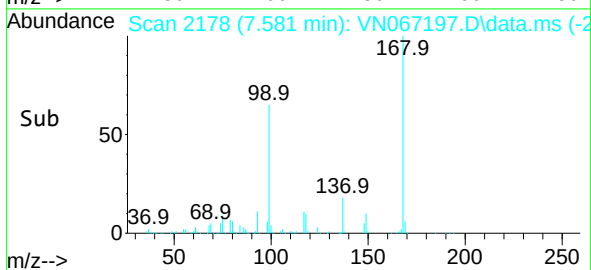
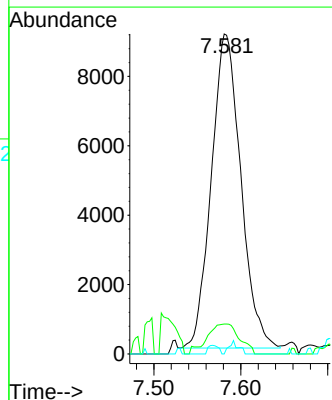
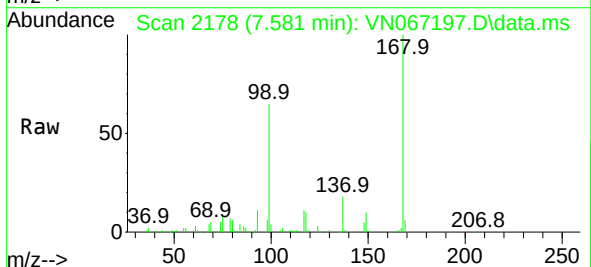
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP3-VOC

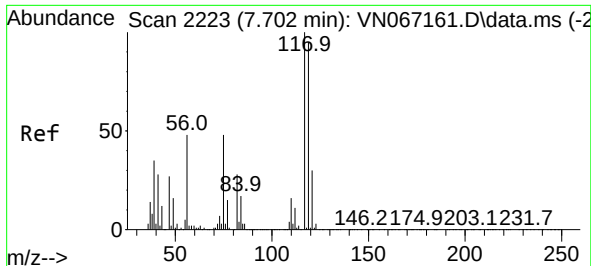
Tgt Ion:113 Resp: 142181
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 16.6 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 7.581 min Scan# 2178
Delta R.T. -0.142 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 75 Resp: 21354
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 1.3 24.8 37.2#

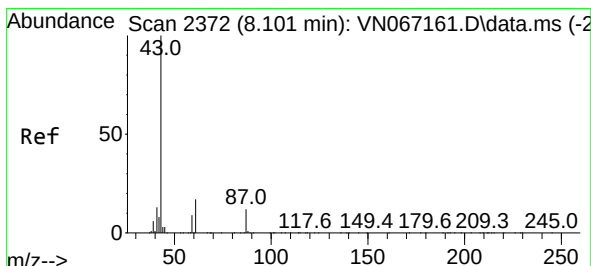
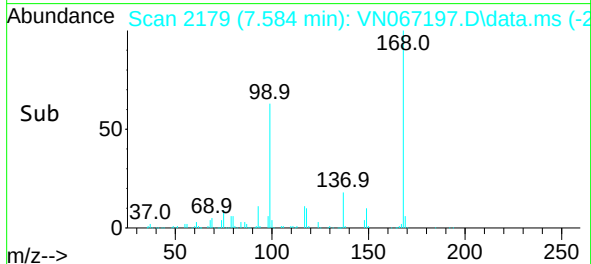
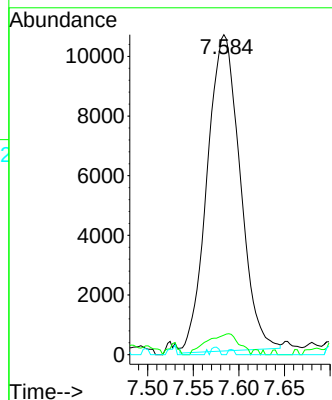
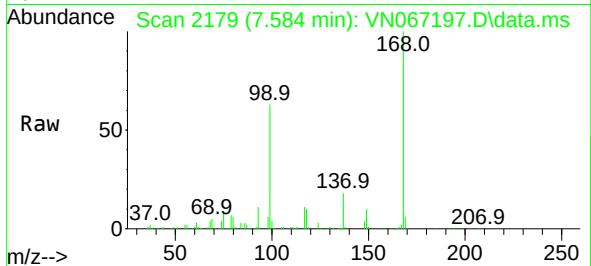




#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.118 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

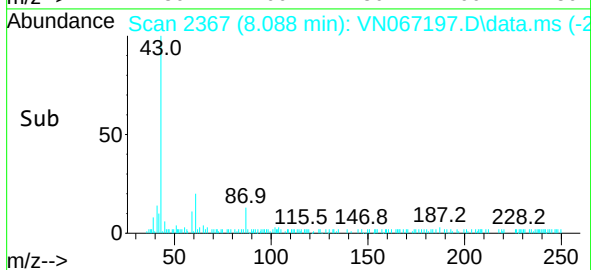
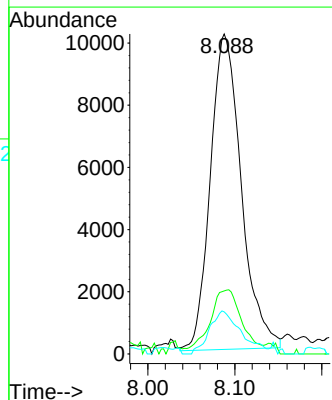
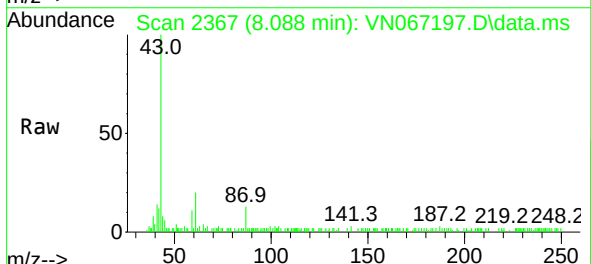
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MSVOA_N
ClientSampleId :
JCSY-SP3-VOC

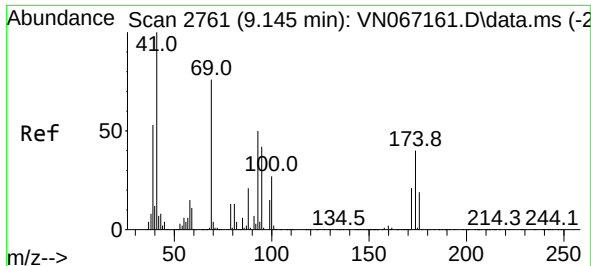
Tgt Ion: 117 Resp: 26587
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 2.84 ug/l
RT: 8.088 min Scan# 2367
Delta R.T. -0.013 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 43 Resp: 25084
Ion Ratio Lower Upper
43 100
61 17.5 23.4 35.0#
87 14.0 12.2 18.2

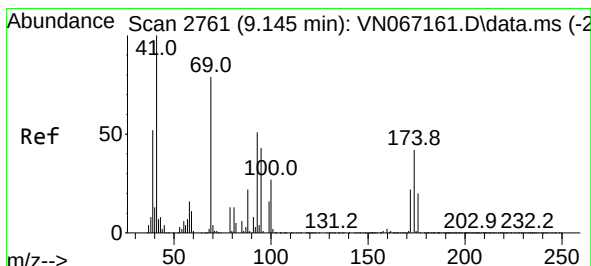
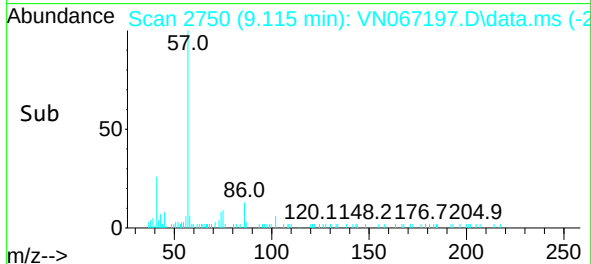
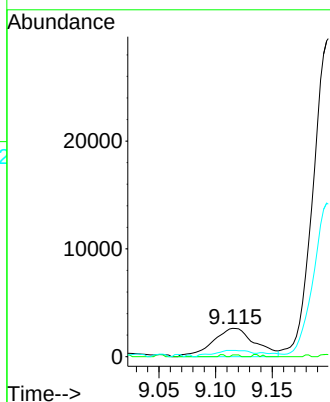
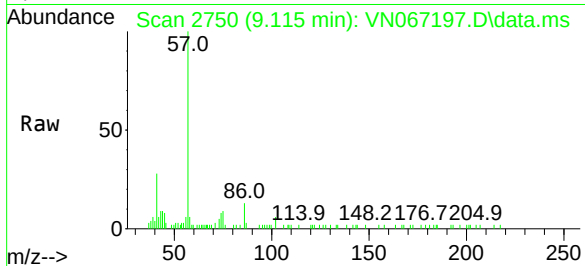




#48
Methyl methacrylate
Concen: 1.73 ug/l
RT: 9.115 min Scan# 2750
Delta R.T. -0.030 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

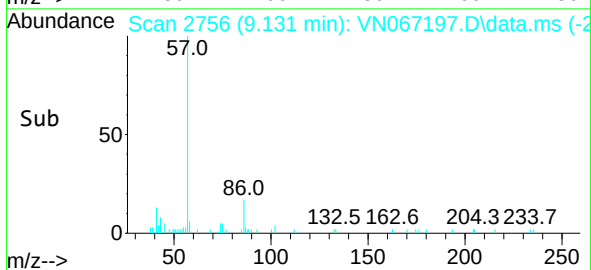
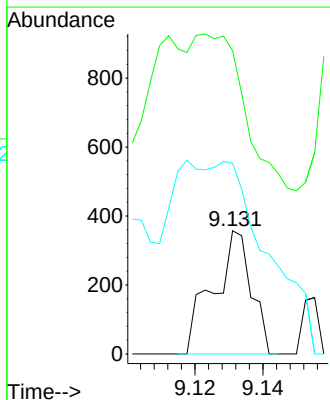
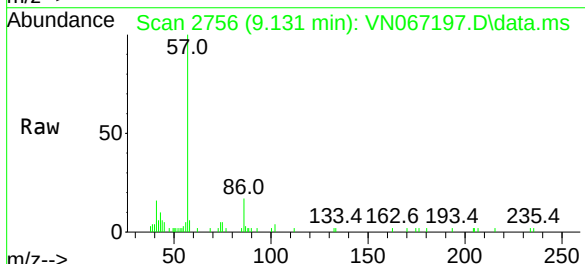
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MSVOA_N
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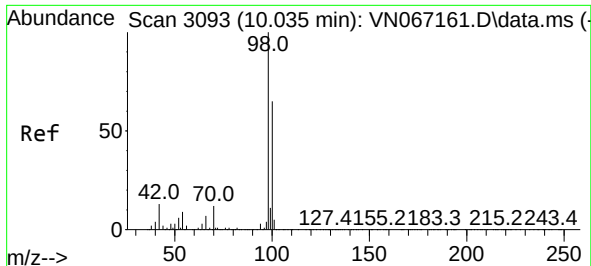
Tgt Ion: 41 Resp: 6773
Ion Ratio Lower Upper
41 100
69 1.2 80.5 120.7#
39 19.3 41.4 62.0#



#49
1,4-Dioxane
Concen: 65.20 ug/l
RT: 9.131 min Scan# 2756
Delta R.T. -0.014 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 57.4 50.8 76.2

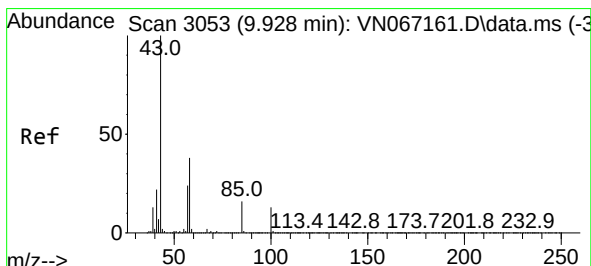
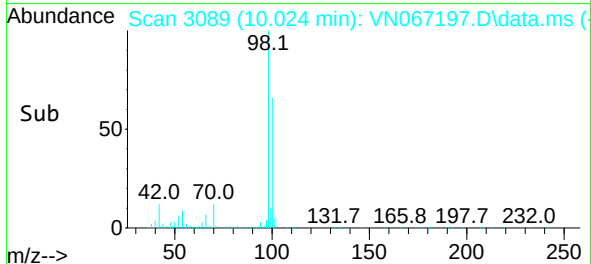
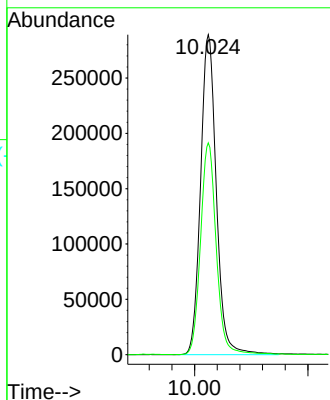
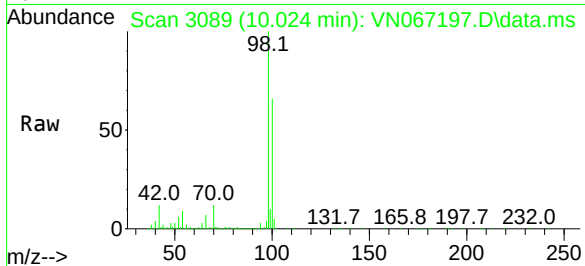




#50
Toluene-d8
Concen: 51.76 ug/l
RT: 10.024 min Scan# 3089
Delta R.T. -0.011 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

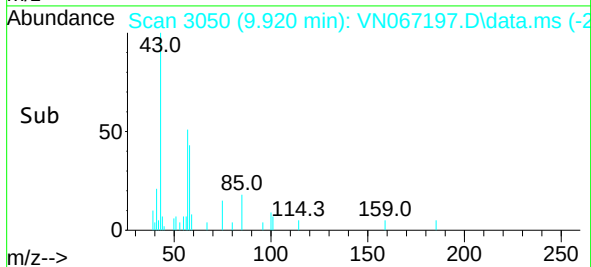
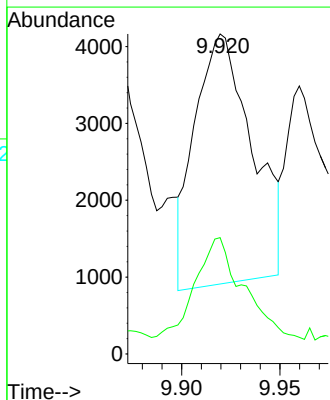
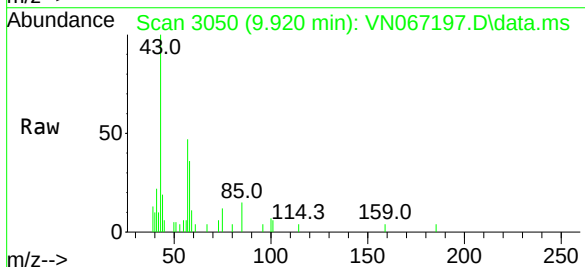
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ClientSampleId :
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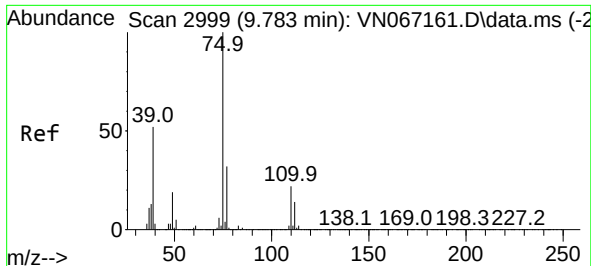
Tgt Ion: 98 Resp: 558432
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.35 ug/l
RT: 9.920 min Scan# 3050
Delta R.T. -0.008 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 43 Resp: 6601
Ion Ratio Lower Upper
43 100
58 37.5 34.5 51.7

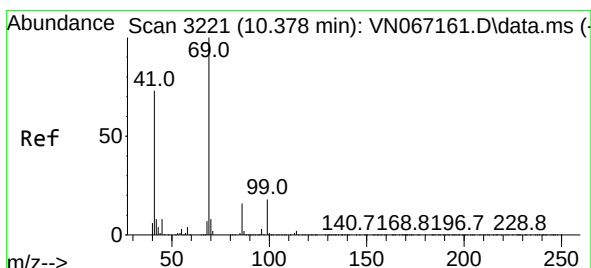
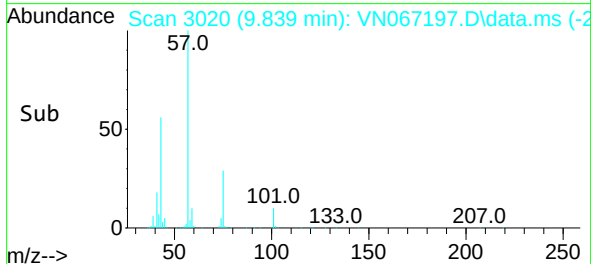
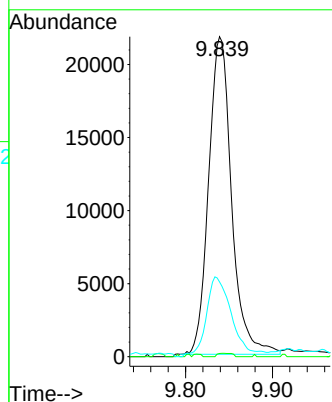
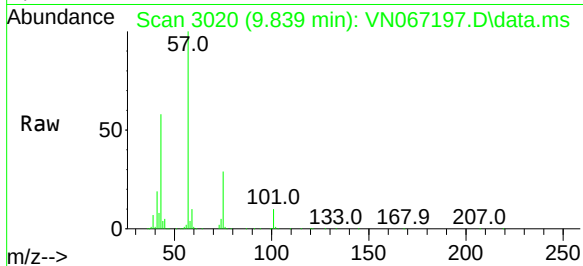




#54
cis-1,3-Dichloropropene
Concen: 6.79 ug/l
RT: 9.839 min Scan# 3020
Delta R.T. 0.056 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

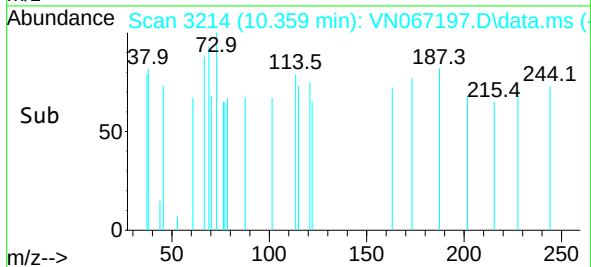
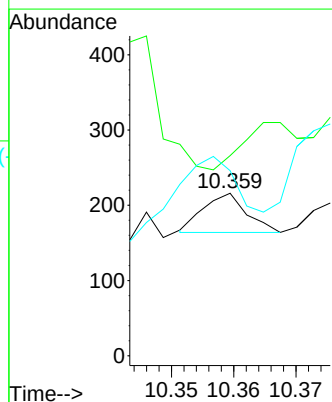
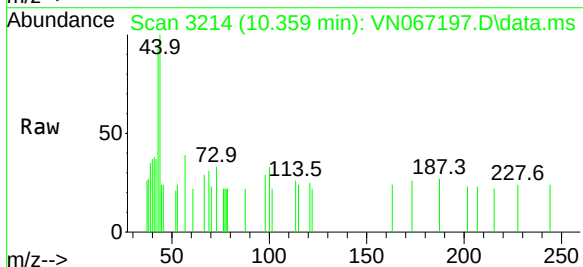
Instrument :
MSVOA_N
ClientSampled :
JCSY-SP3-VOC

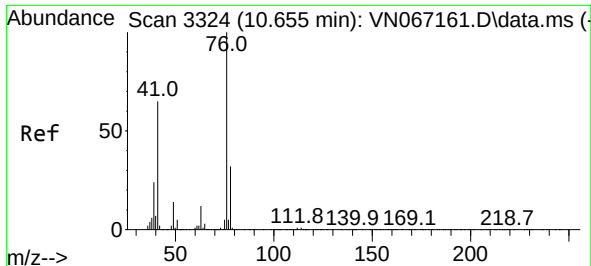
Tgt Ion: 75 Resp: 39758
Ion Ratio Lower Upper
75 100
77 1.0 25.1 37.7#
39 23.5 30.9 46.3#



#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 10.359 min Scan# 3214
Delta R.T. -0.019 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 69 Resp: 25
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#

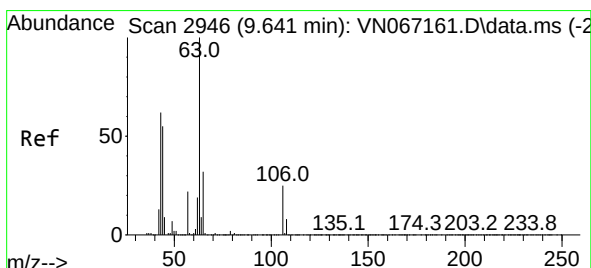
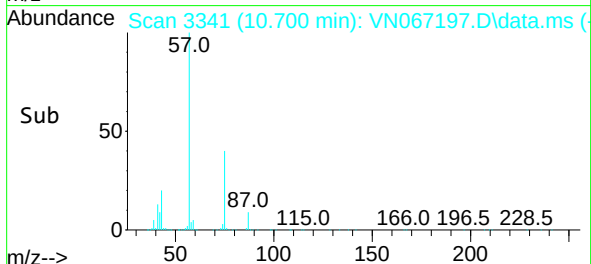
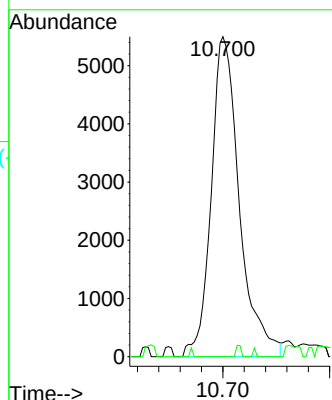
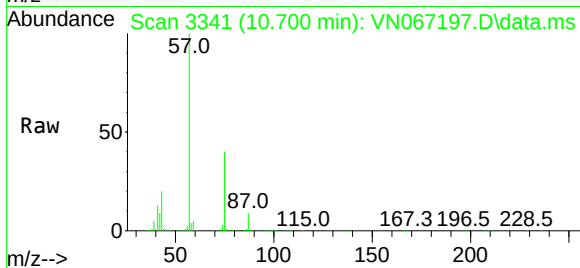




#57
1,3-Dichloropropane
Concen: 1.76 ug/l
RT: 10.700 min Scan# 3341
Delta R.T. 0.045 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

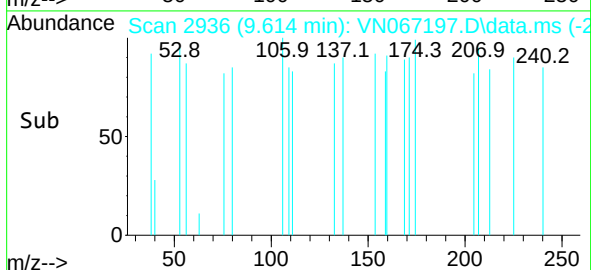
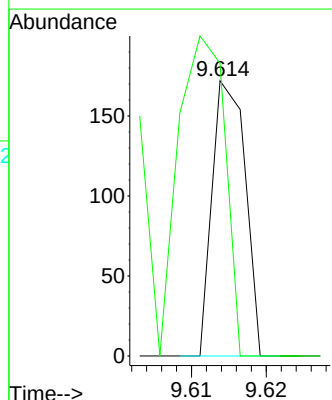
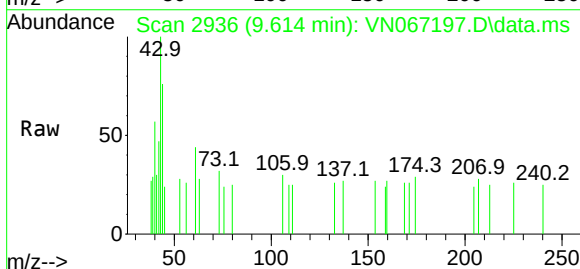
Instrument :
MSVOA_N
ClientSampleId :
JCSY-SP3-VOC

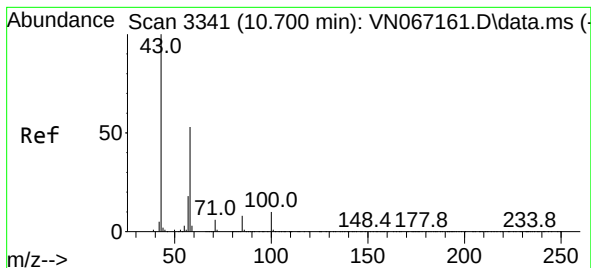
Tgt Ion: 76 Resp: 10064
Ion Ratio Lower Upper
76 100
78 0.6 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 6.77 ug/l
RT: 9.614 min Scan# 2936
Delta R.T. -0.027 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 211.5 23.9 35.9#

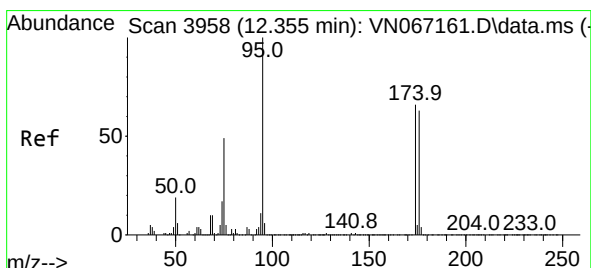
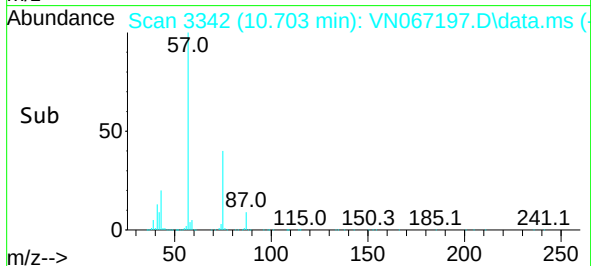
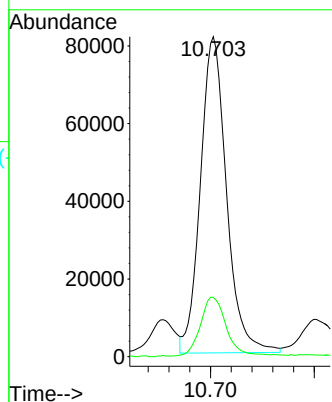
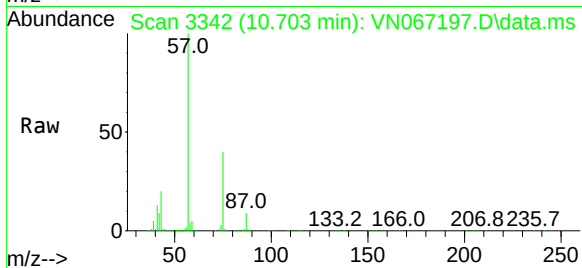




#59
2-Hexanone
Concen: 54.36 ug/l
RT: 10.703 min Scan# 3342
Delta R.T. 0.003 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

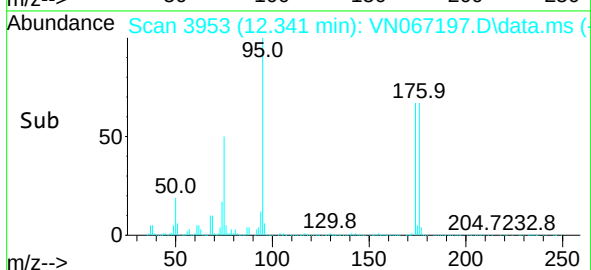
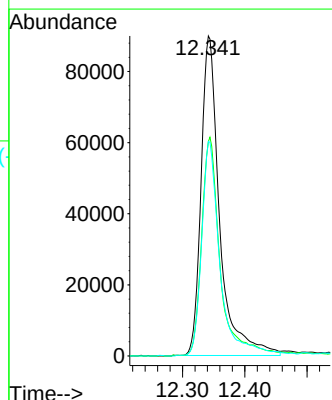
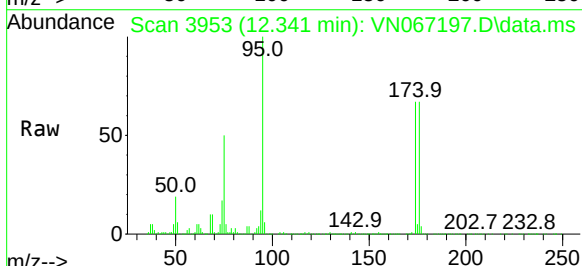
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ClientSampleId :
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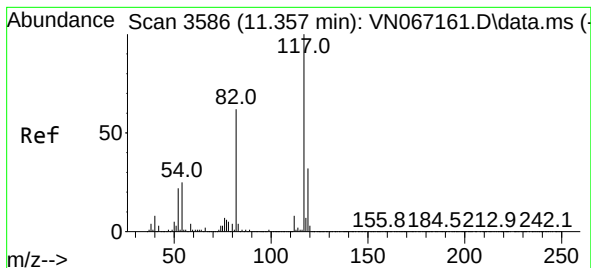
Tgt Ion: 43 Resp: 142415
Ion Ratio Lower Upper
43 100
58 18.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.47 ug/l
RT: 12.341 min Scan# 3953
Delta R.T. -0.014 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 95 Resp: 186163
Ion Ratio Lower Upper
95 100
174 67.7 0.0 182.8
176 66.1 0.0 176.6

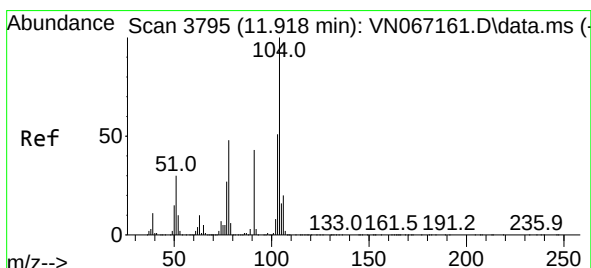
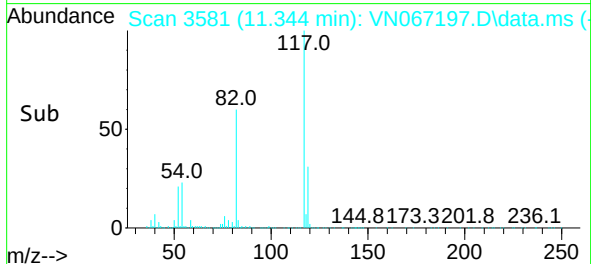
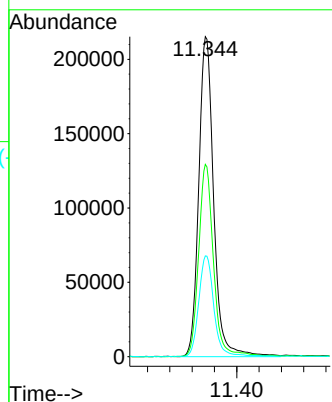
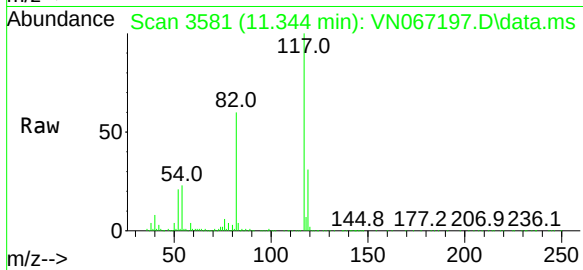




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.344 min Scan# 3581
Delta R.T. -0.013 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

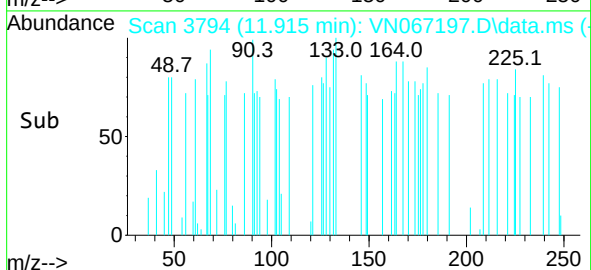
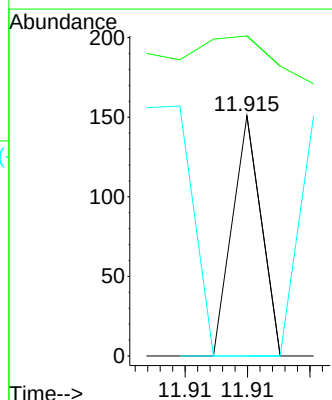
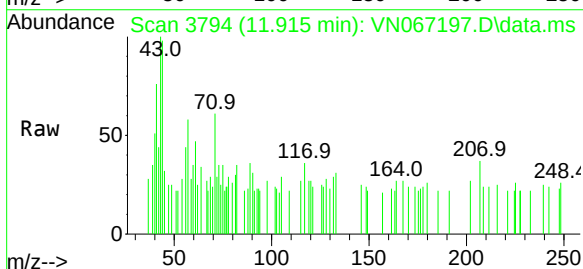
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ClientSampleId :
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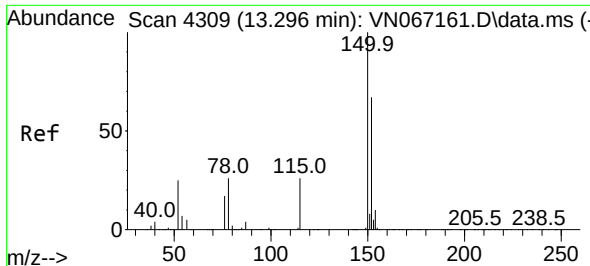
Tgt Ion:117 Resp: 400193
Ion Ratio Lower Upper
117 100
82 59.9 42.2 63.2
119 31.4 25.8 38.6



#70
Styrene
Concen: 2.50 ug/l
RT: 11.915 min Scan# 3794
Delta R.T. -0.003 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion:104 Resp: 24
Ion Ratio Lower Upper
104 100
78 0.0 37.7 56.5#
103 100.0 44.2 66.4#

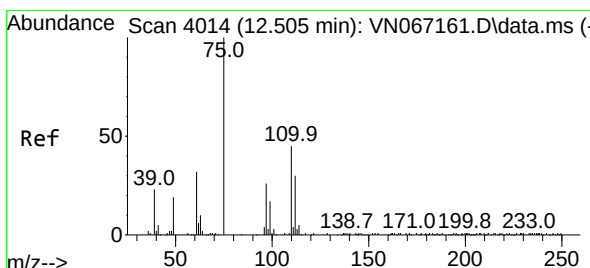
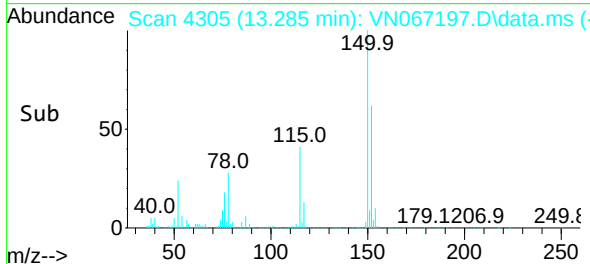
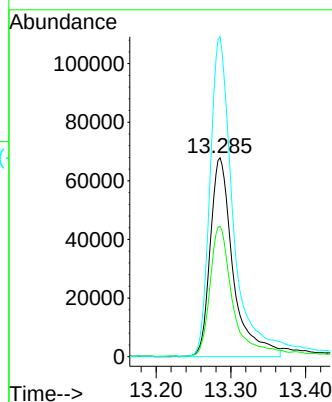
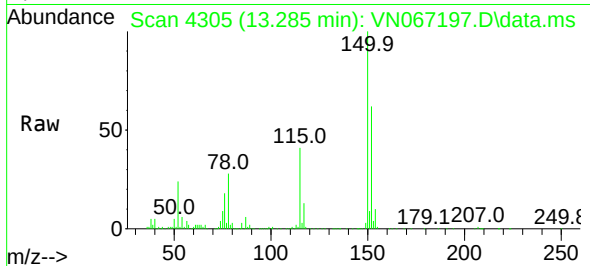




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.285 min Scan# 4305
 Delta R.T. -0.011 min
 Lab File: VN067197.D
 Acq: 28 May 2021 23:29

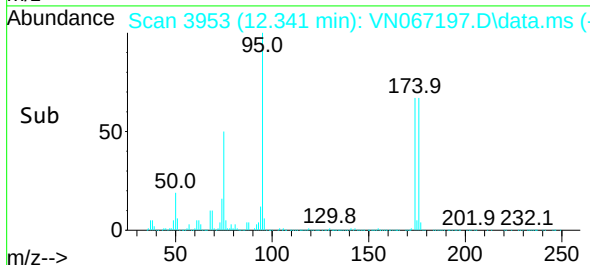
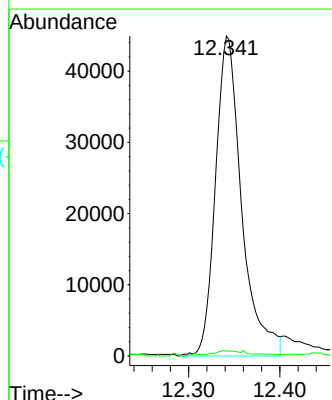
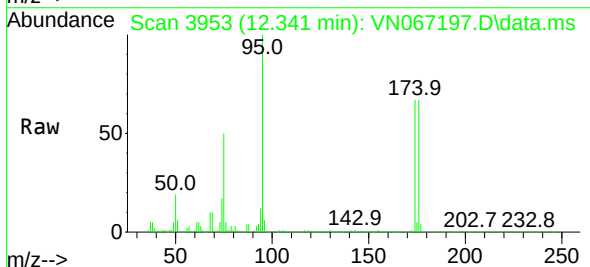
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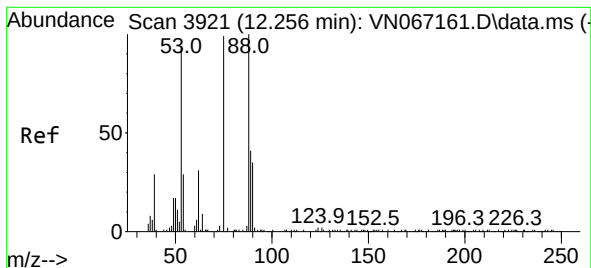
Tgt Ion:152 Resp: 145061
 Ion Ratio Lower Upper
 152 100
 115 66.0 27.0 80.8
 150 169.5 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 22.19 ug/l
 RT: 12.341 min Scan# 3953
 Delta R.T. -0.164 min
 Lab File: VN067197.D
 Acq: 28 May 2021 23:29

Tgt Ion: 75 Resp: 89593
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

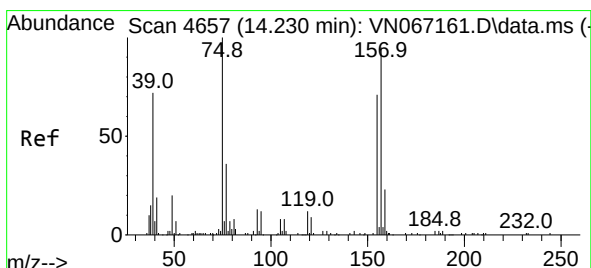
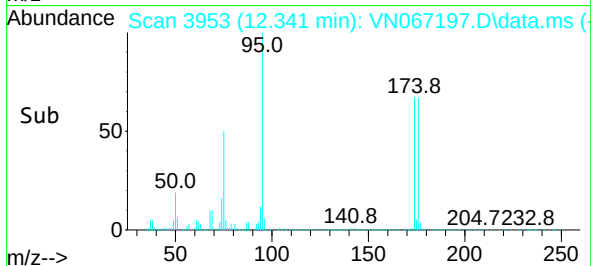
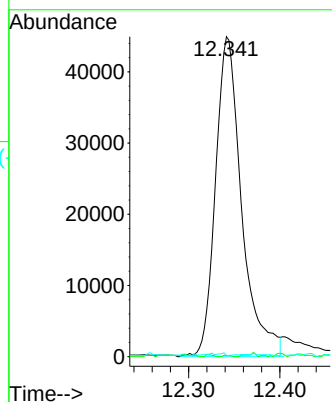
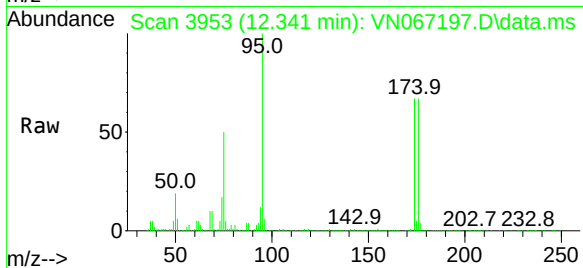




#81
trans-1,4-Dichloro-2-butene
Concen: 63.30 ug/l
RT: 12.341 min Scan# 3953
Delta R.T. 0.085 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

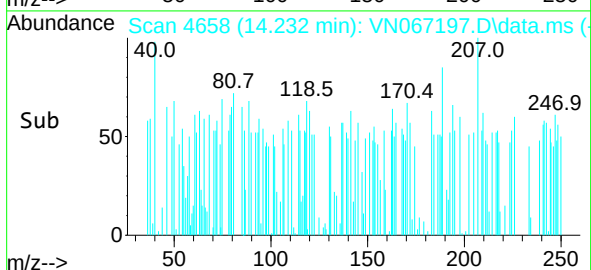
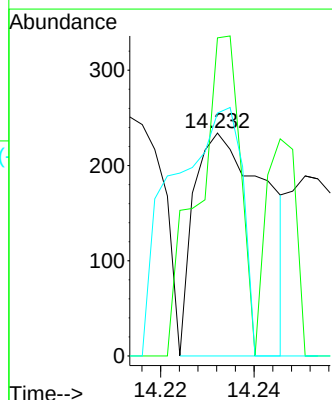
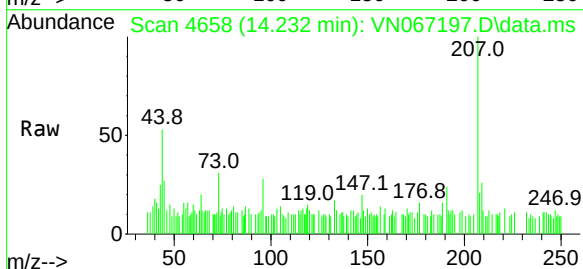
Instrument :
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ClientSampleId :
JCSY-SP3-VOC

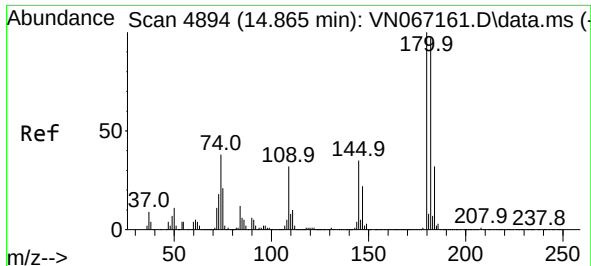
Tgt Ion: 75 Resp: 89593
Ion Ratio Lower Upper
75 100
53 0.1 66.3 99.5#
89 0.1 39.5 59.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.32 ug/l
RT: 14.232 min Scan# 4658
Delta R.T. 0.002 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion: 75 Resp: 252
Ion Ratio Lower Upper
75 100
155 84.5 49.9 149.7
157 106.7 63.8 191.4

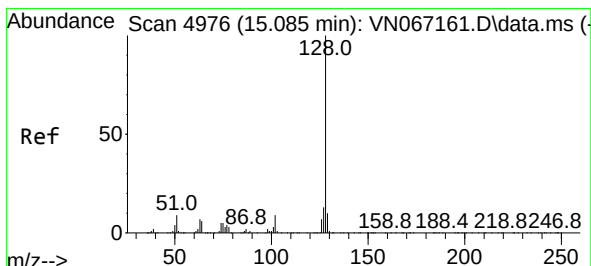
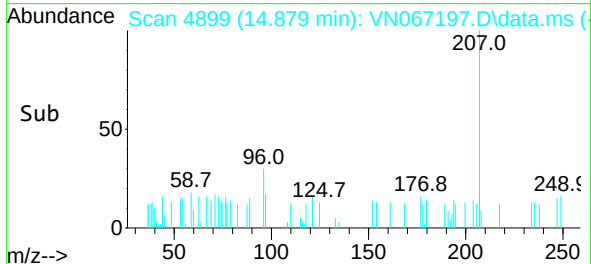
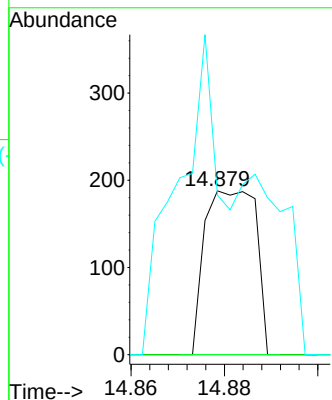
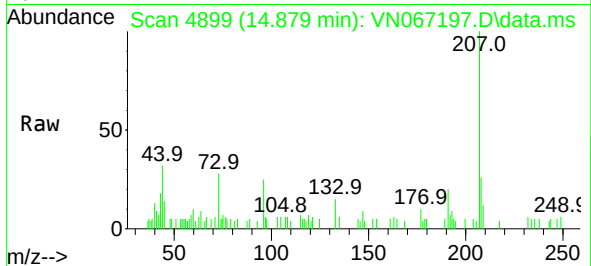




#93
1,2,4-Trichlorobenzene
Concen: 3.32 ug/l
RT: 14.879 min Scan# 4899
Delta R.T. 0.014 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Instrument :
MSVOA_N
ClientSampled :
JCSY-SP3-VOC

Tgt Ion:180 Resp: 143
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 163.6 14.0 42.0#



#95
Naphthalene
Concen: 3.87 ug/l
RT: 15.077 min Scan# 4973
Delta R.T. -0.008 min
Lab File: VN067197.D
Acq: 28 May 2021 23:29

Tgt Ion:128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

