

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068954.D
 Acq On : 15 Oct 2021 17:12
 Operator : JC/MD
 Sample : M4202-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:16:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

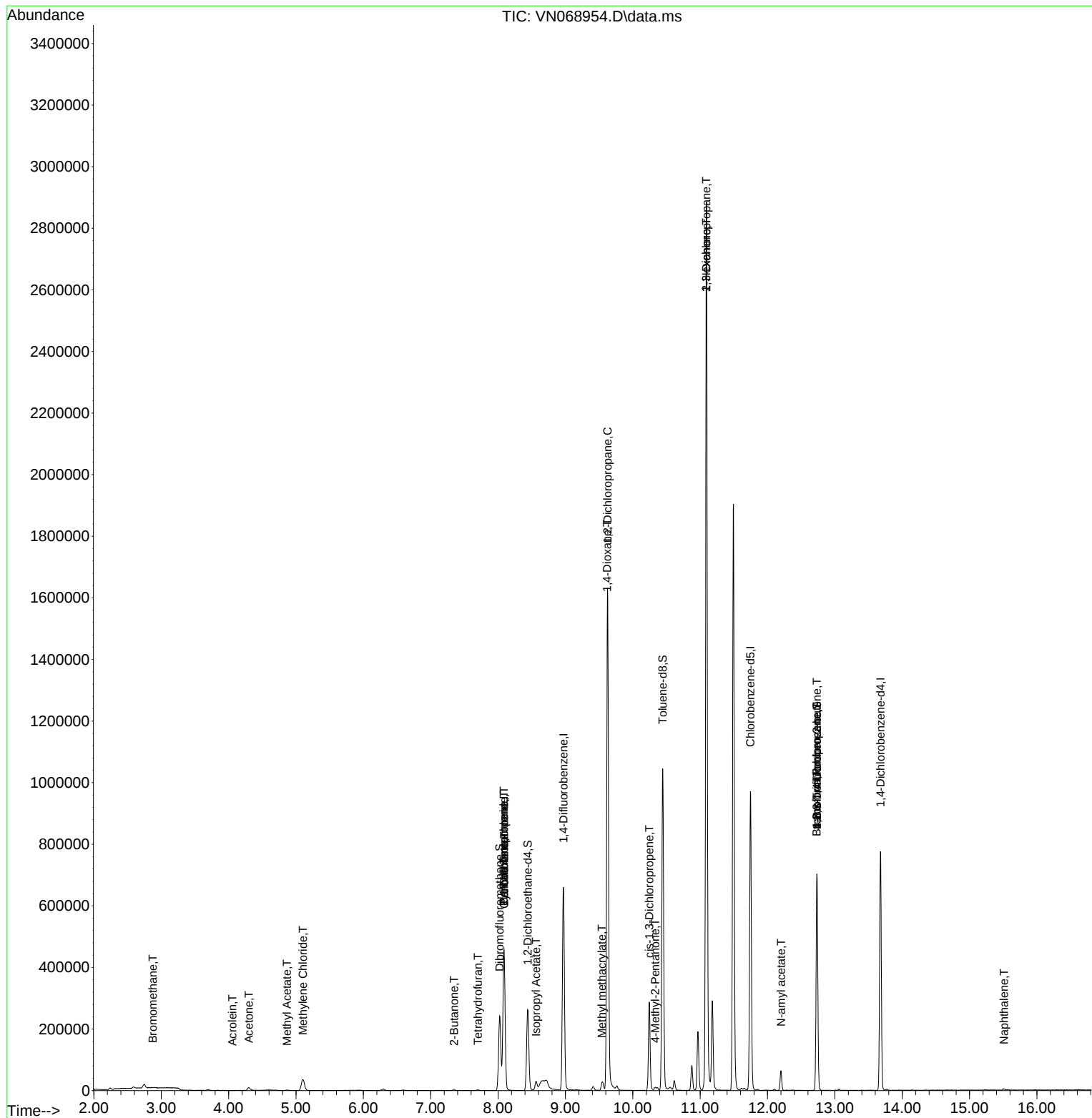
Internal Standards						
1) Pentafluorobenzene	8.088	168	348263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	598327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222661	48.492	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.980%		
35) Dibromofluoromethane	8.024	113	178805	51.364	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.720%		
50) Toluene-d8	10.443	98	753792	54.119	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.240%		
62) 4-Bromofluorobenzene	12.733	95	261630	49.786	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.580%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	485	0.204	ug/l #	74
13) Acrolein	4.057	56	114	0.307	ug/l #	72
16) Acetone	4.299	43	17391	10.149	ug/l	96
18) Methyl Acetate	4.867	43	3934	0.605	ug/l #	60
20) Methylene Chloride	5.103	84	30700	7.784	ug/l	96
25) 2-Butanone	7.348	43	4254	1.642	ug/l	100
29) Tetrahydrofuran	7.702	42	1595	0.949	ug/l #	68
31) Cyclohexane	8.091	56	8218	1.151	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28109	5.500	ug/l #	49
38) Carbon Tetrachloride	8.088	117	35897	6.396	ug/l #	15
43) Isopropyl Acetate	8.563	43	36245	3.892	ug/l #	89
45) 1,2-Dichloropropane	9.625	63	1977	0.490	ug/l #	43
48) Methyl methacrylate	9.542	41	7946	1.816	ug/l #	13
49) 1,4-Dioxane	9.620	88	24	35.905	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	6753	1.251	ug/l	90
54) cis-1,3-Dichloropropene	10.245	75	53665	7.971	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	31850	4.893	ug/l #	42
59) 2-Hexanone	11.092	43	445147	114.950	ug/l #	50
71) Bromoform	12.731	173	2114	0.624	ug/l #	1
74) N-amyl acetate	12.200	43	20435	3.123	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	134836	30.538	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134836	73.061	ug/l #	12
95) Naphthalene	15.509	128	4971	4.289	ug/l #	93

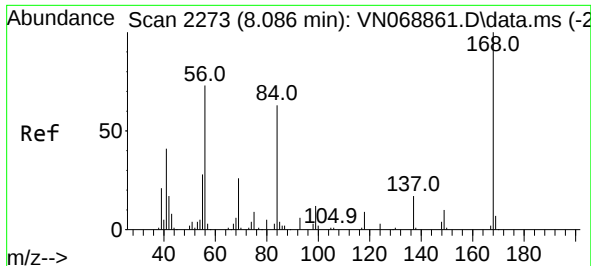
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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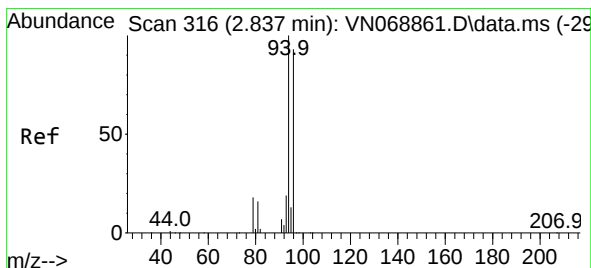
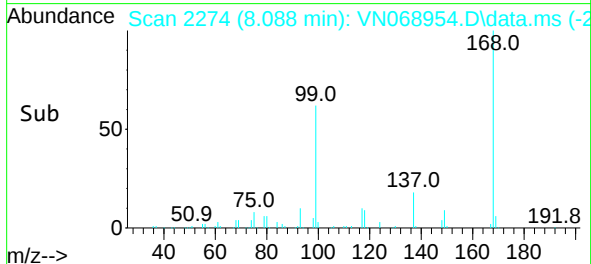
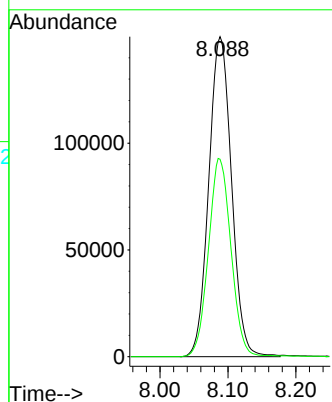
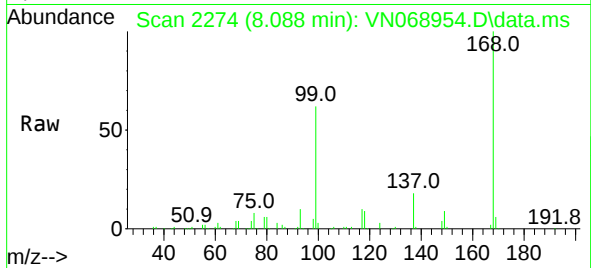




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

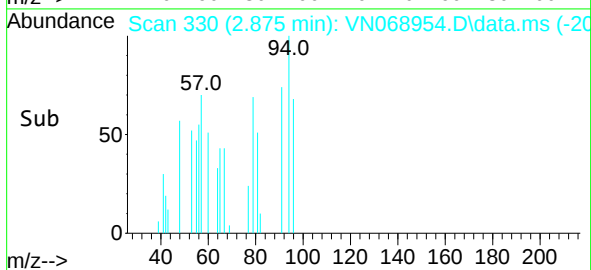
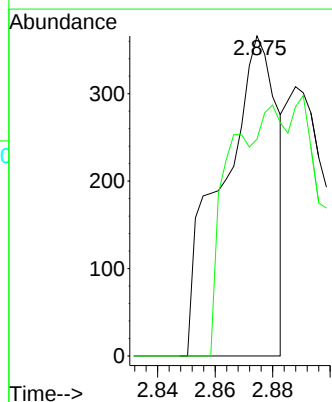
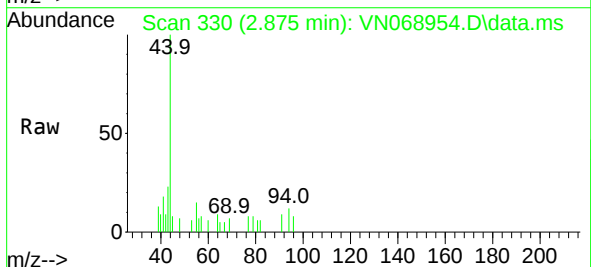
Instrument :
MSVOA_N
ClientSampled :

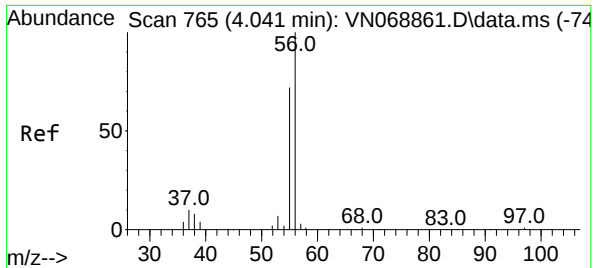
Tgt Ion:168 Resp: 348263
Ion Ratio Lower Upper
168 100
99 61.7 48.9 73.3



#5
Bromomethane
Concen: 0.204 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 67.8 74.2 111.4#

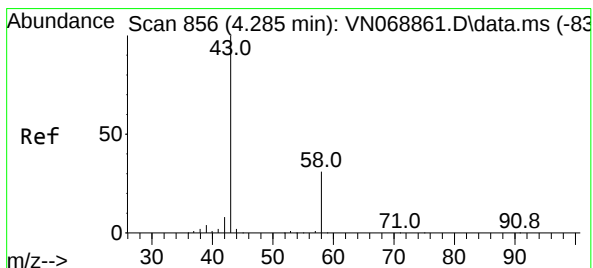
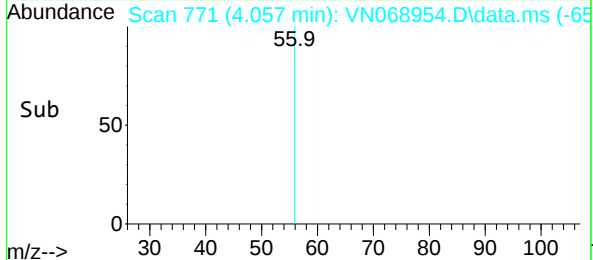
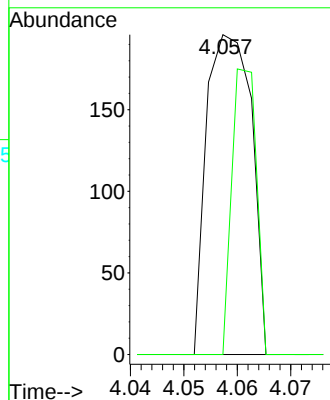
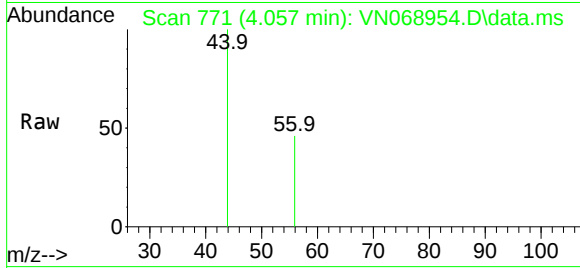




#13
Acrolein
Concen: 0.307 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

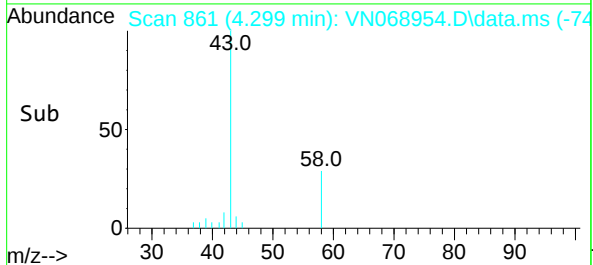
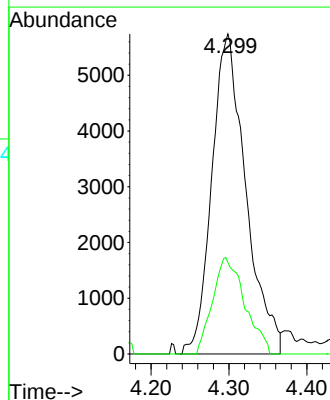
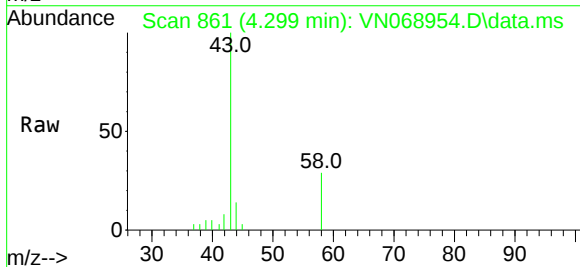
Instrument :
MSVOA_N
ClientSampled :

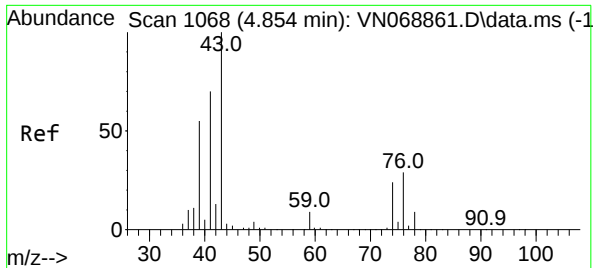
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 49.1 58.1 87.1#



#16
Acetone
Concen: 10.149 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 43 Resp: 17391
Ion Ratio Lower Upper
43 100
58 28.6 24.5 36.7

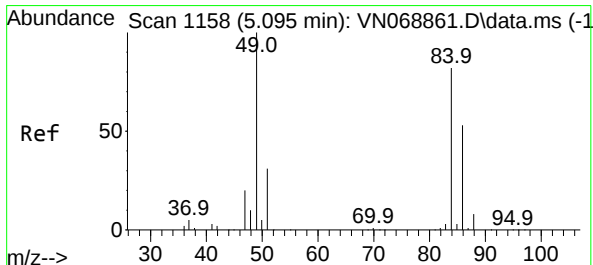
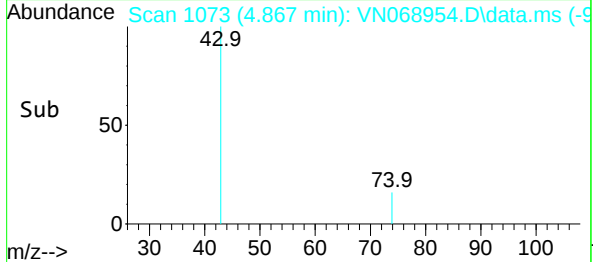
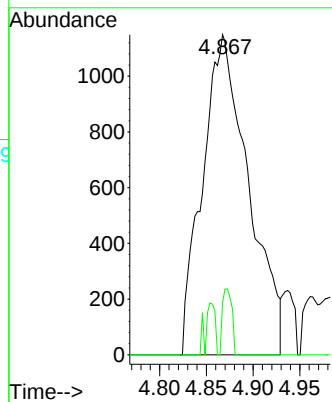
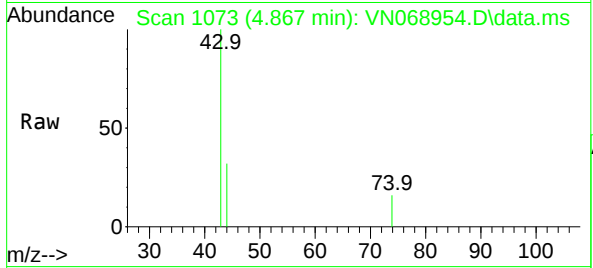




#18
Methyl Acetate
Concen: 0.605 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

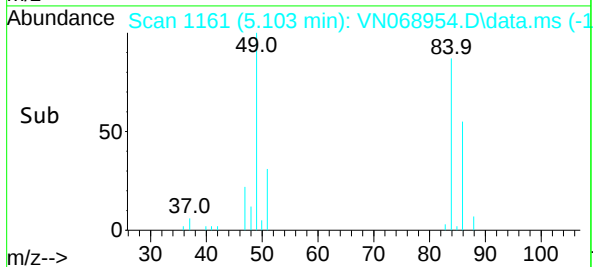
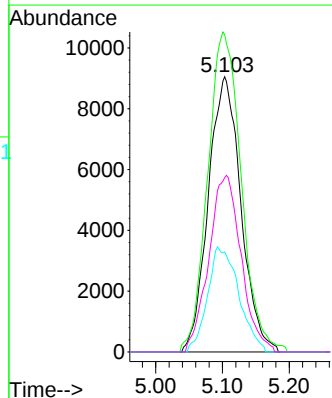
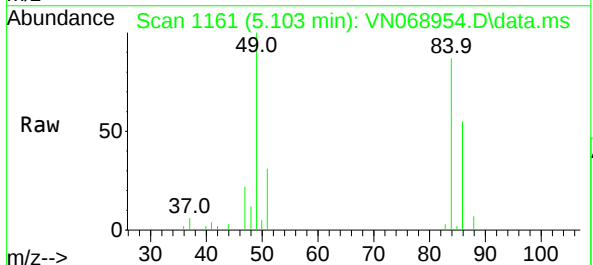
Instrument :
MSVOA_N
ClientSampled :

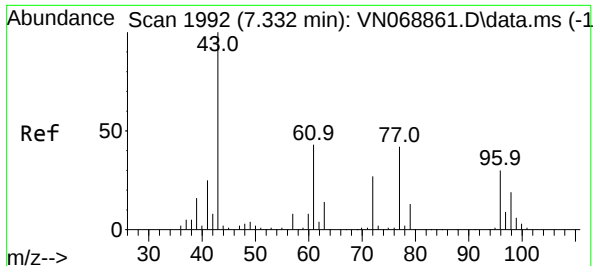
Tgt Ion: 43 Resp: 3934
Ion Ratio Lower Upper
43 100
74 4.2 18.9 28.3#



#20
Methylene Chloride
Concen: 7.784 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 84 Resp: 30700
Ion Ratio Lower Upper
84 100
49 115.2 97.6 146.4
51 36.3 30.3 45.5
86 63.3 51.8 77.6

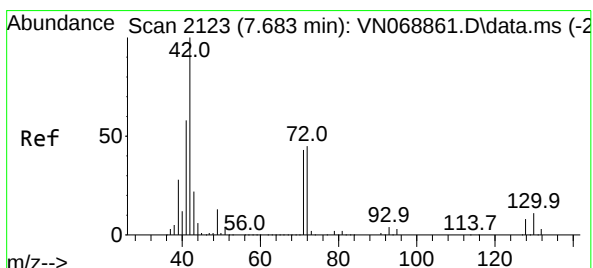
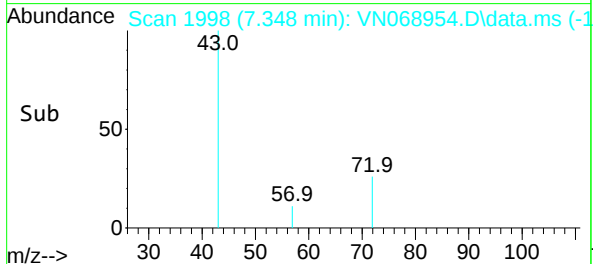
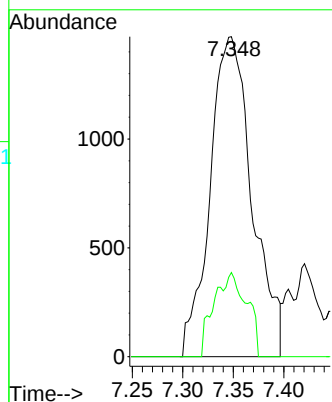
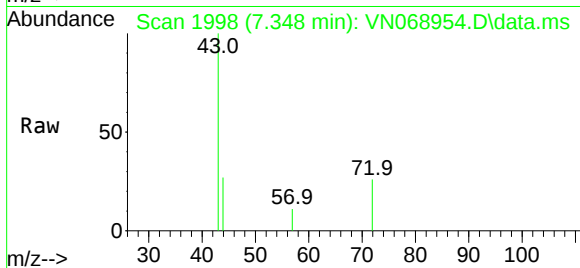




#25
2-Butanone
Concen: 1.642 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

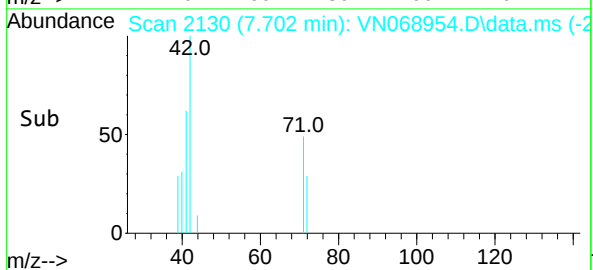
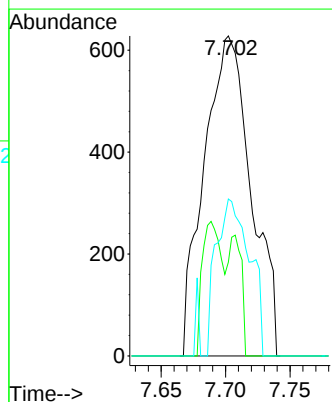
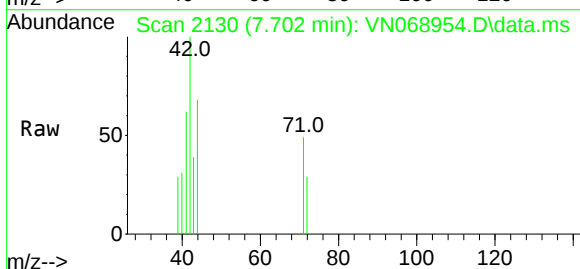
Instrument :
MSVOA_N
ClientSampled :

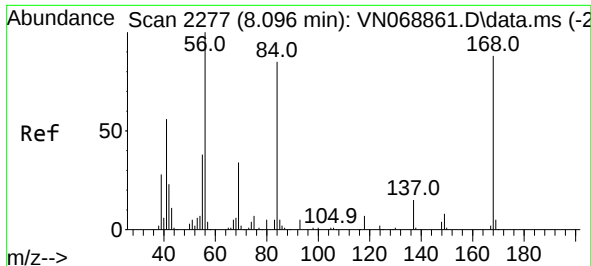
Tgt Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
72 26.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.949 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 42 Resp: 1595
Ion Ratio Lower Upper
42 100
72 10.6 35.4 53.2#
71 34.9 33.8 50.6

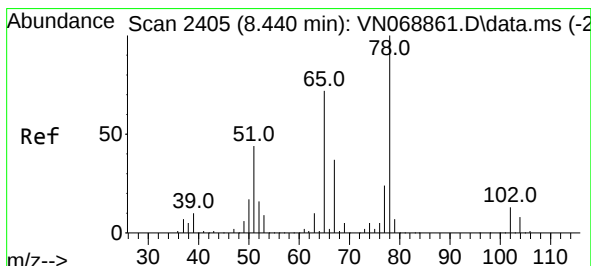
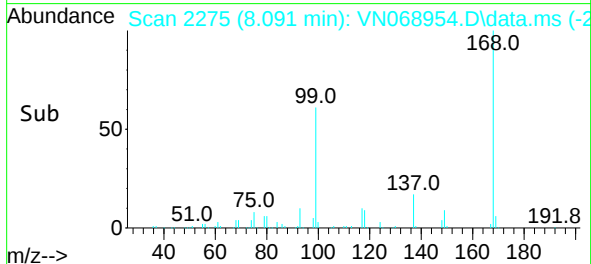
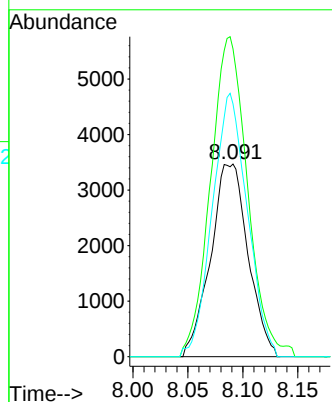
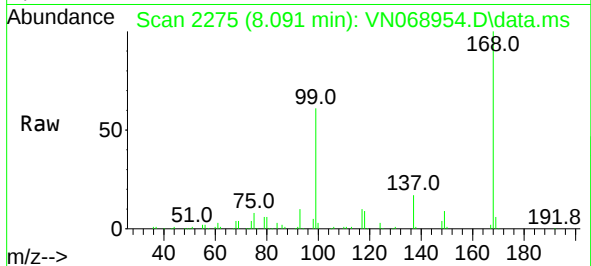




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

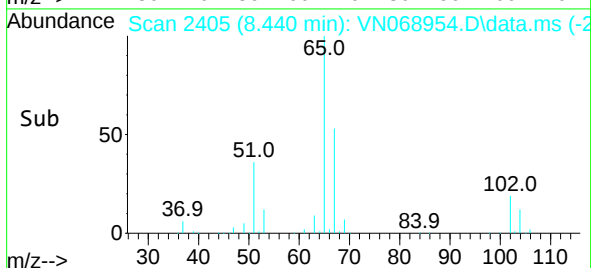
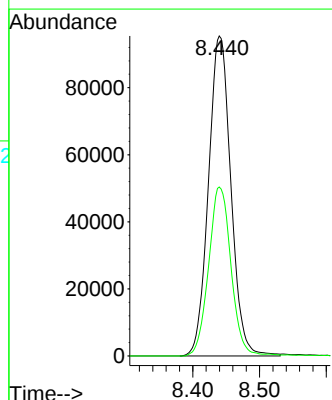
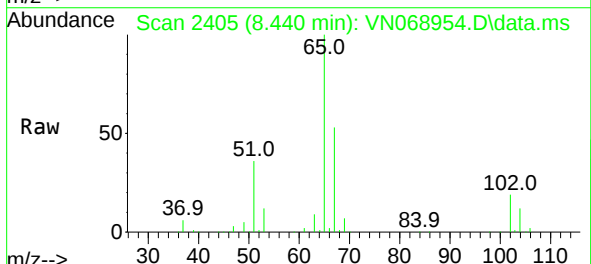
Instrument :
MSVOA_N
ClientSampled :

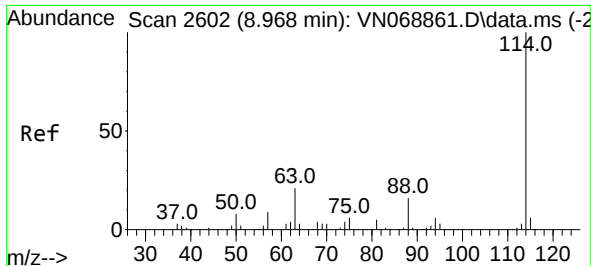
Tgt Ion: 56 Resp: 8218
Ion Ratio Lower Upper
56 100
69 159.8 26.9 40.3#
84 131.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.492 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 65 Resp: 222661
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.8

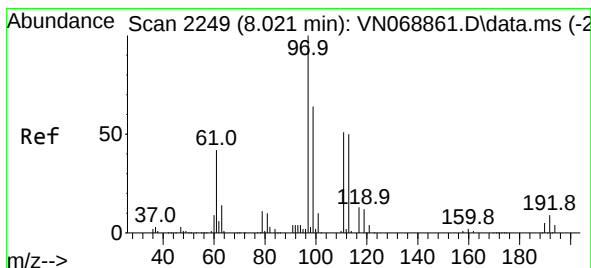
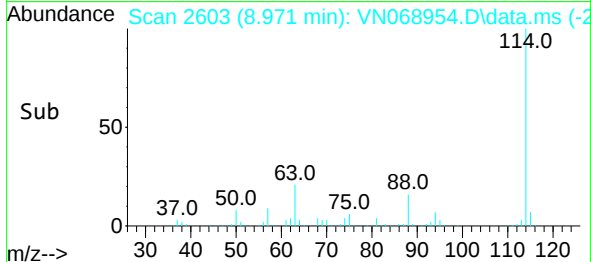
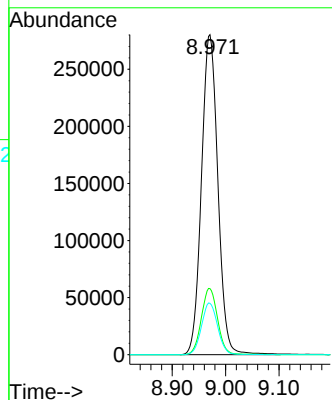
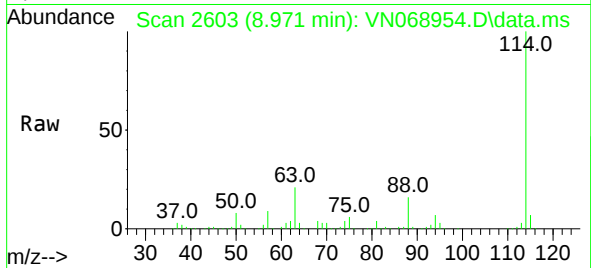




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

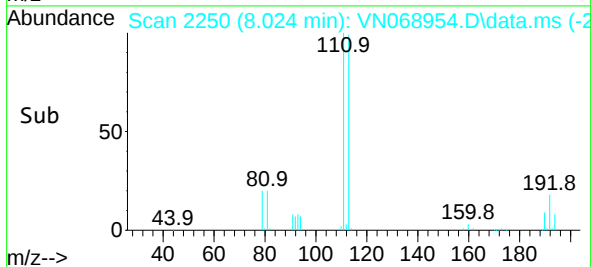
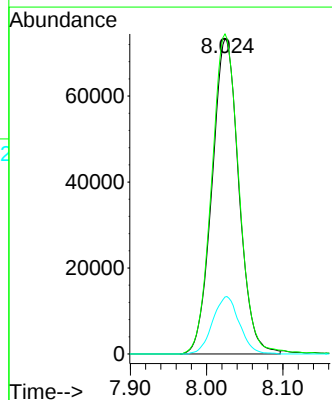
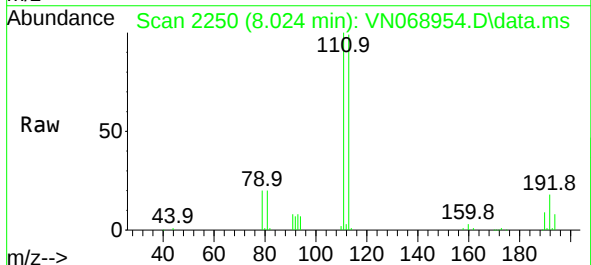
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MSVOA_N
ClientSampled :

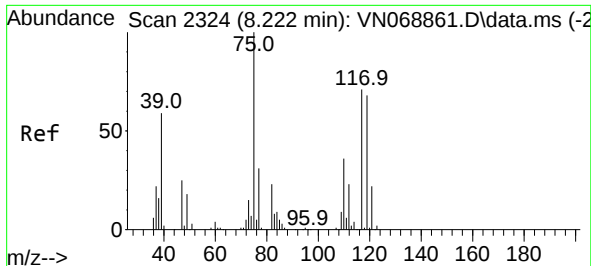
Tgt Ion:114 Resp: 598327
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.364 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion:113 Resp: 178805
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 18.2 15.0 22.4

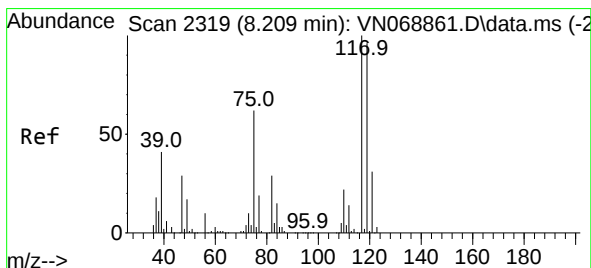
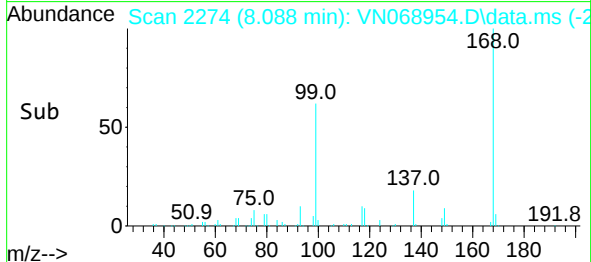
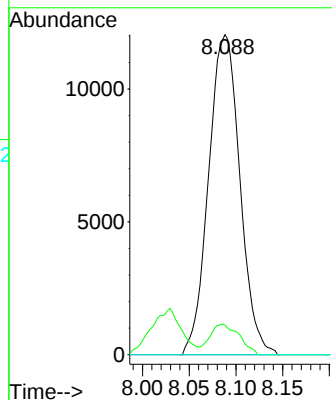
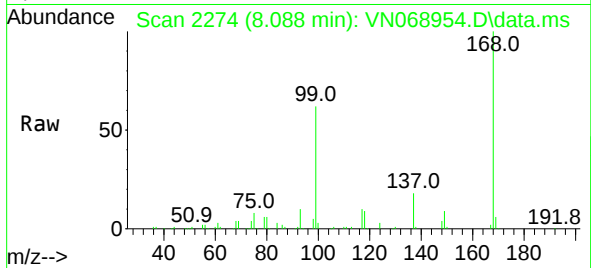




#36
1,1-Dichloropropene
Concen: 5.500 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

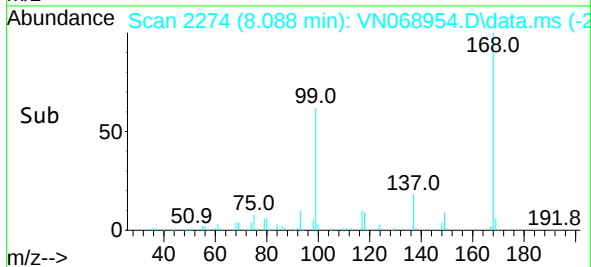
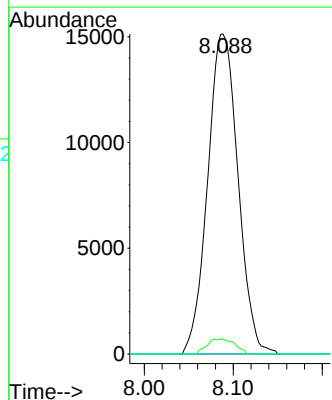
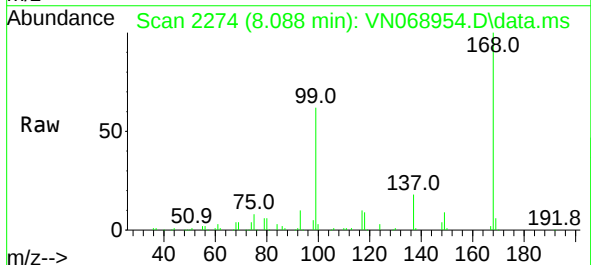
Instrument :
MSVOA_N
ClientSampled :

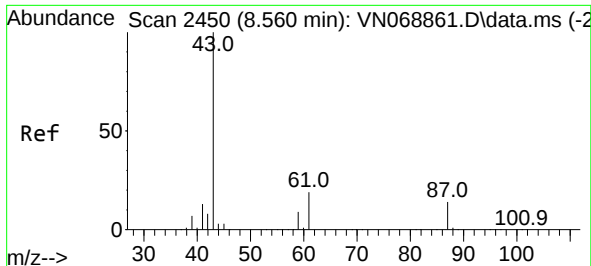
Tgt Ion: 75 Resp: 28109
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 117 Resp: 35897
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

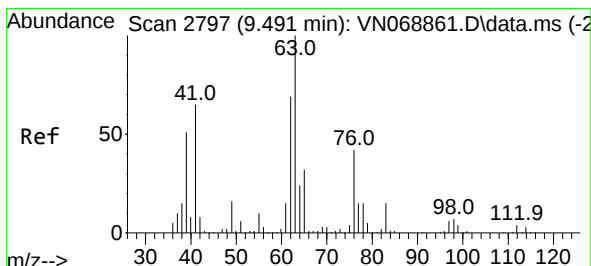
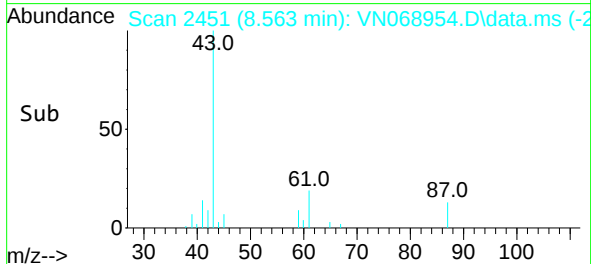
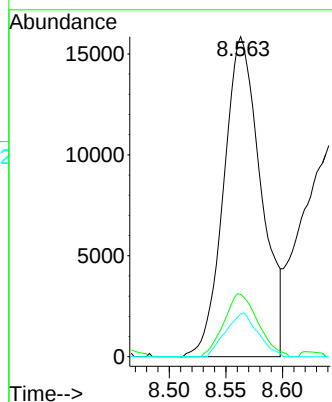
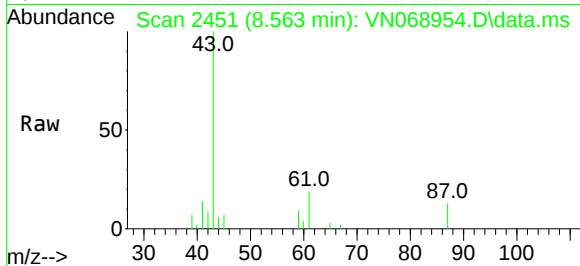




#43
Isopropyl Acetate
Concen: 3.892 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

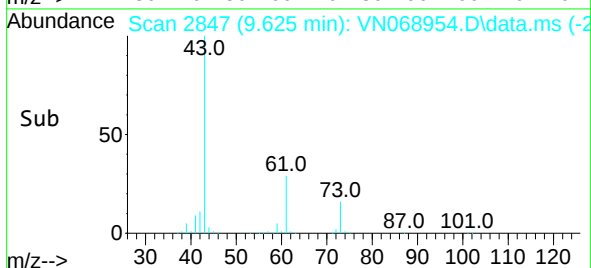
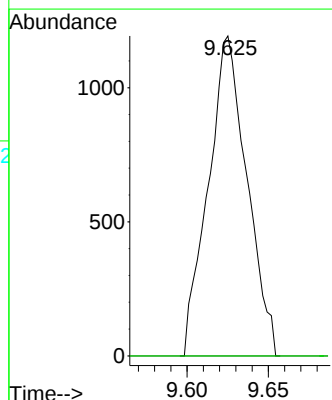
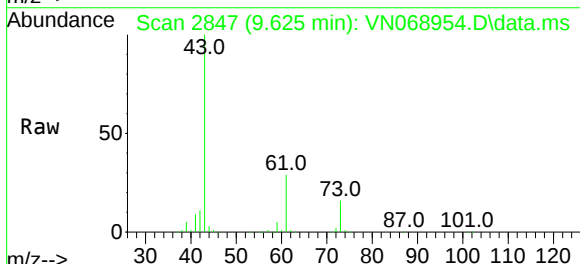
Instrument :
MSVOA_N
ClientSampled :

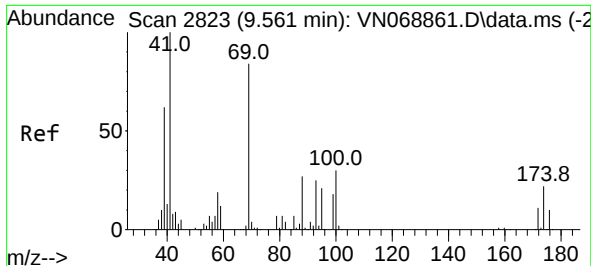
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.0	20.4	30.6#
87	11.8	10.7	16.1



#45
1,2-Dichloropropane
Concen: 0.490 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.6	38.4#

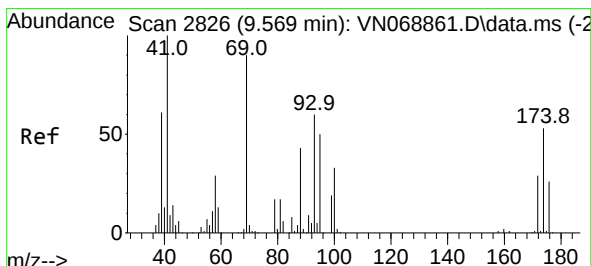
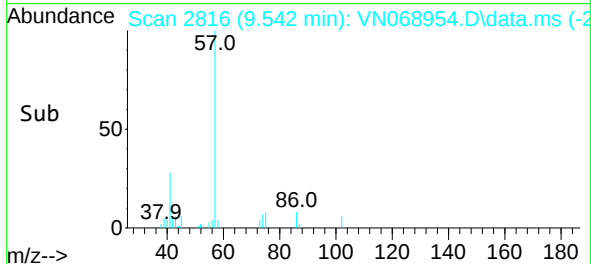
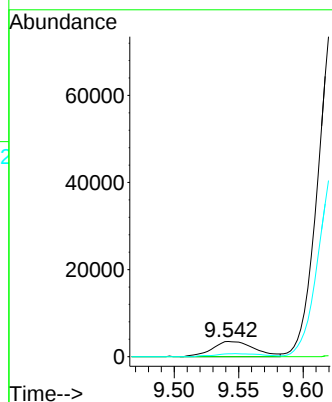
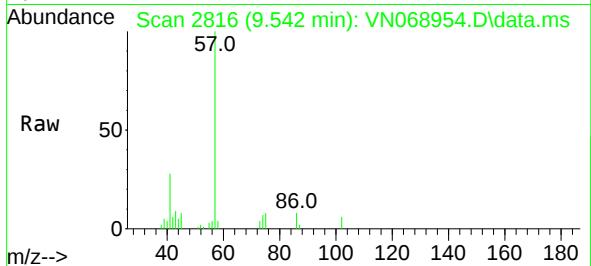




#48
Methyl methacrylate
Concen: 1.816 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

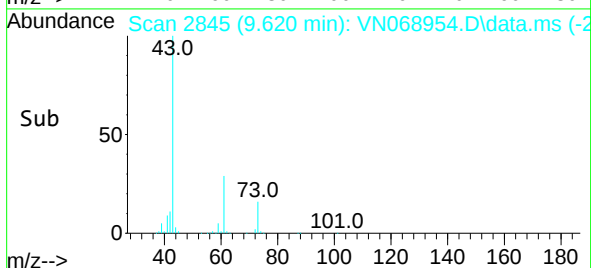
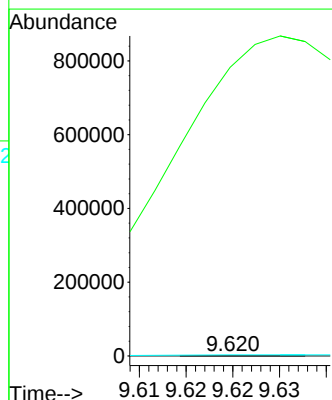
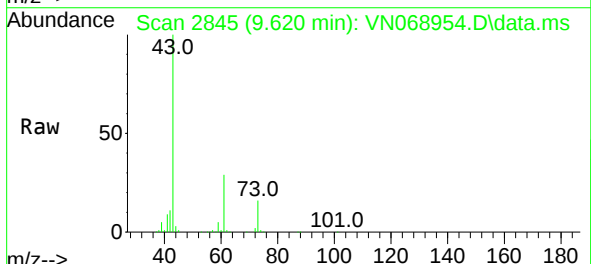
Instrument :
MSVOA_N
ClientSampled :

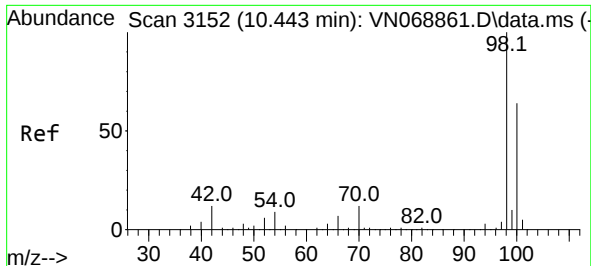
Tgt Ion: 41 Resp: 7946
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 35.905 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 6956570.8 24.9 37.3#
58 25379.2 56.9 85.3#

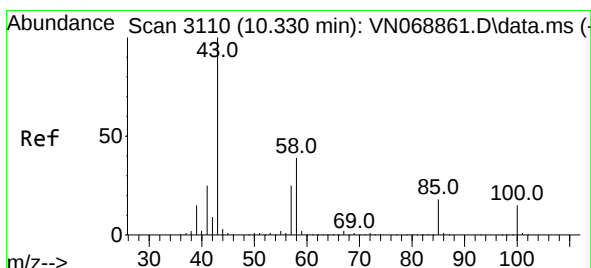
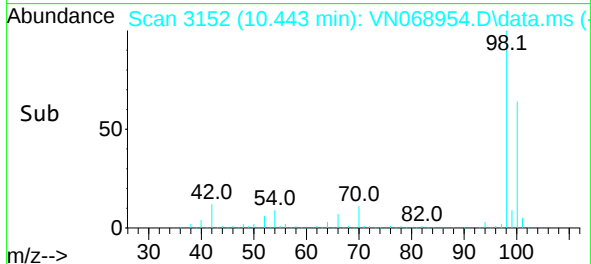
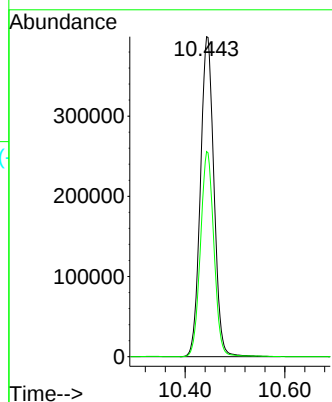
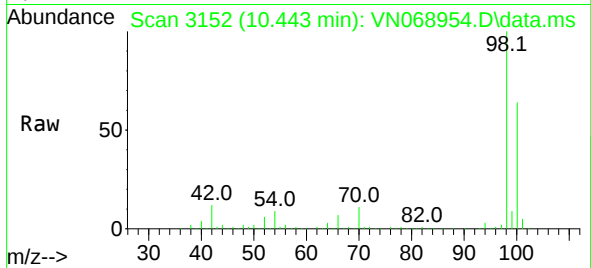




#50
Toluene-d8
Concen: 54.119 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

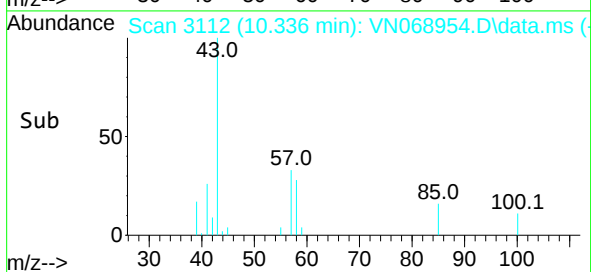
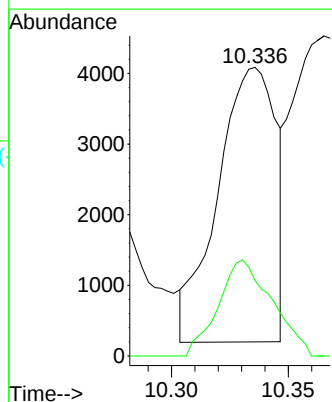
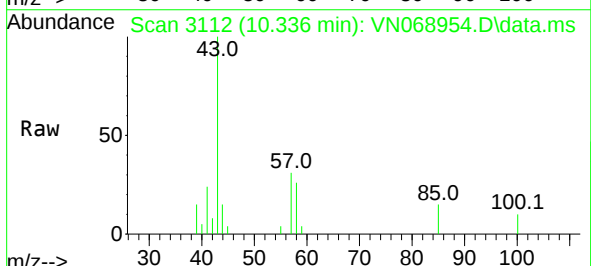
Instrument :
MSVOA_N
ClientSampled :

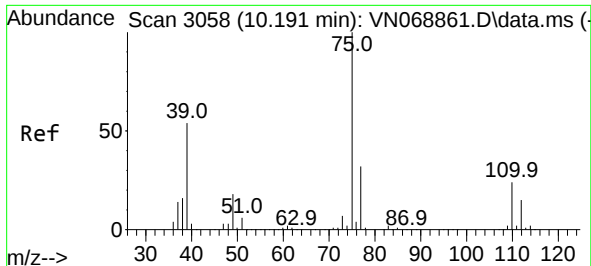
Tgt Ion: 98 Resp: 753792
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
58 32.3 31.0 46.4

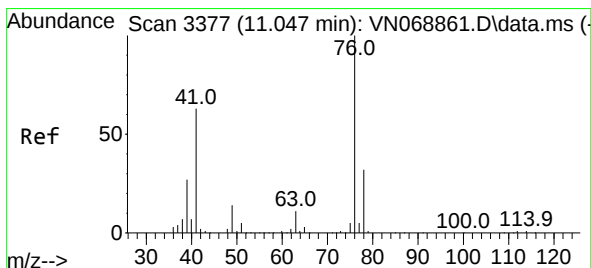
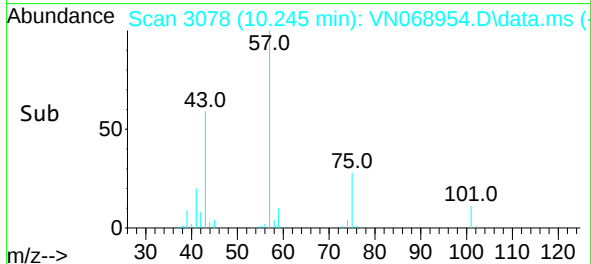
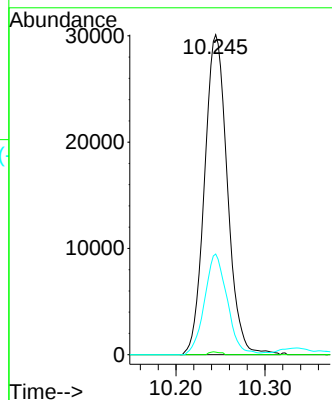
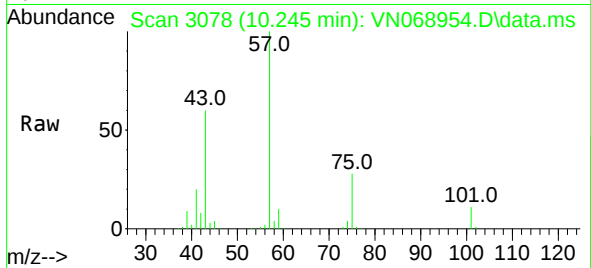




#54
 cis-1,3-Dichloropropene
 Concen: 7.971 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068954.D
 Acq: 15 Oct 2021 17:12

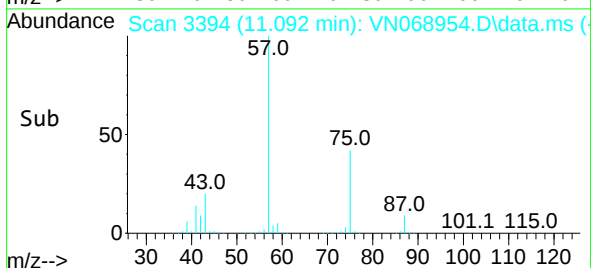
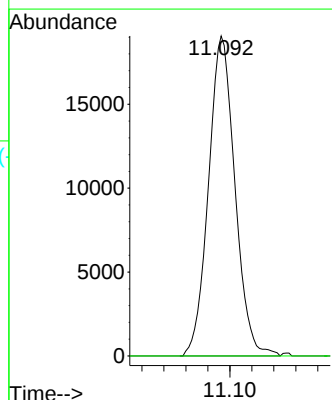
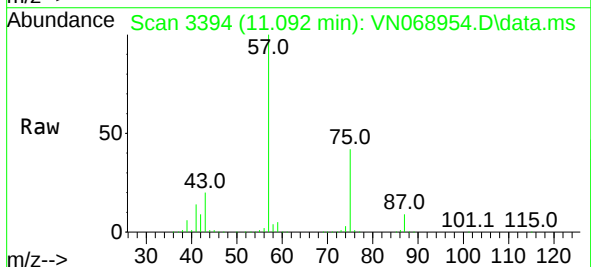
Instrument :
 MSVOA_N
 ClientSampled :

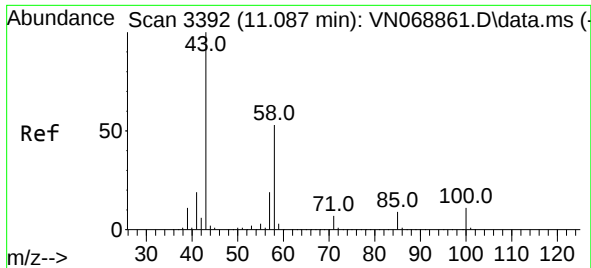
Tgt Ion: 75 Resp: 53665
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.6 38.4#
 39 31.5 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.893 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068954.D
 Acq: 15 Oct 2021 17:12

Tgt Ion: 76 Resp: 31850
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

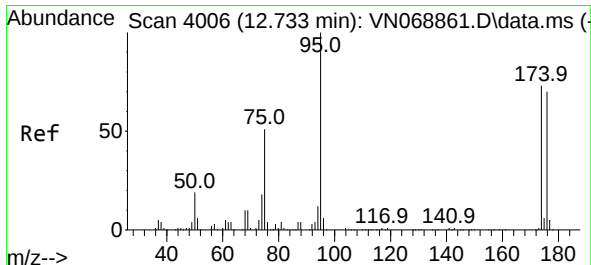
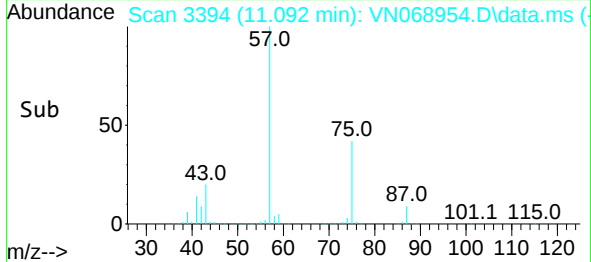
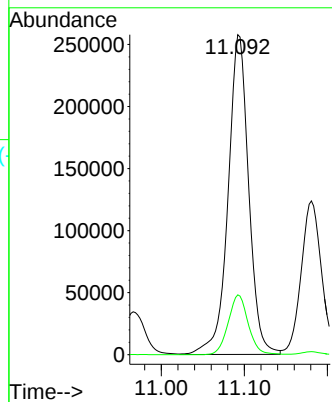
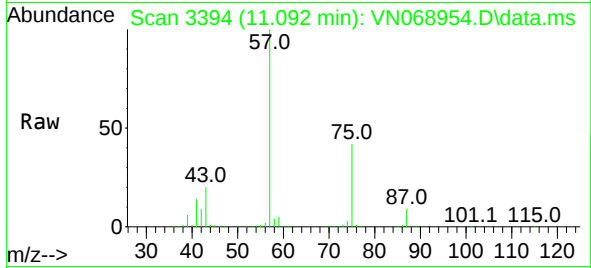




#59
2-Hexanone
Concen: 114.950 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

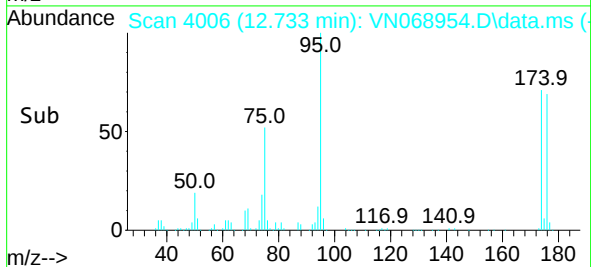
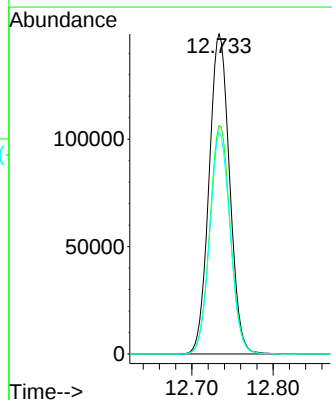
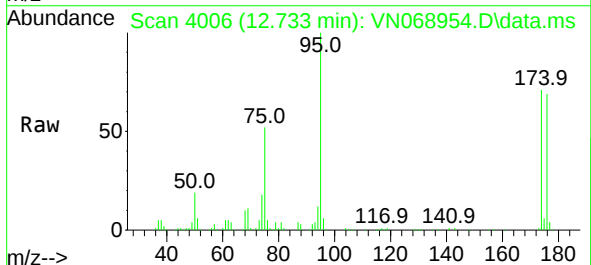
Instrument :
MSVOA_N
ClientSampled :

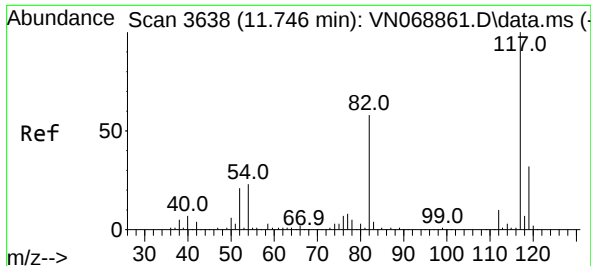
Tgt Ion: 43 Resp: 445147
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 95 Resp: 261630
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.8
176 68.9 0.0 140.0

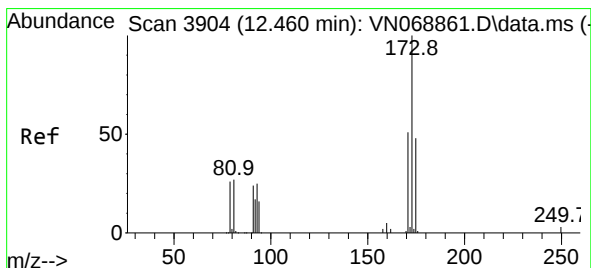
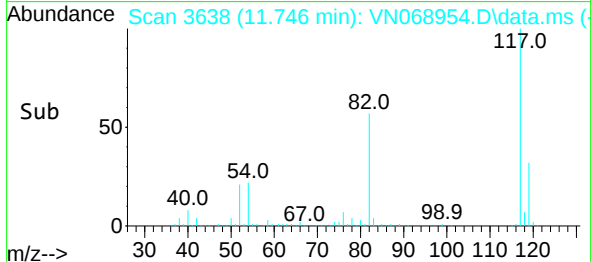
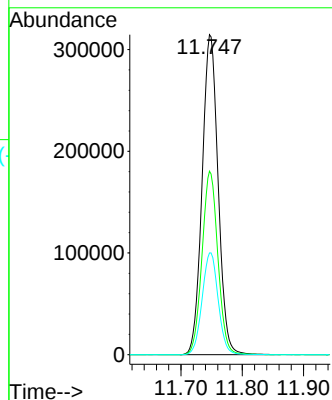
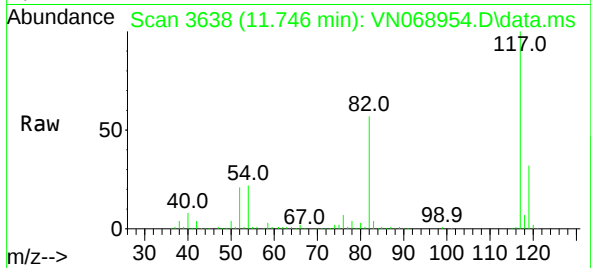




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

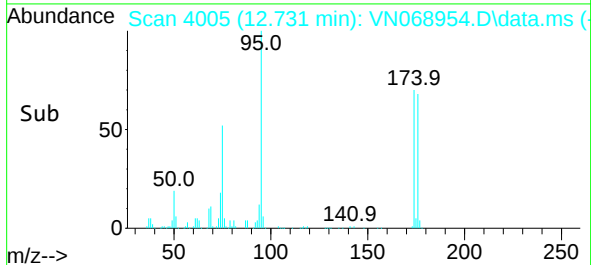
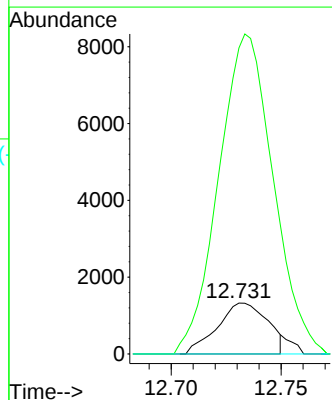
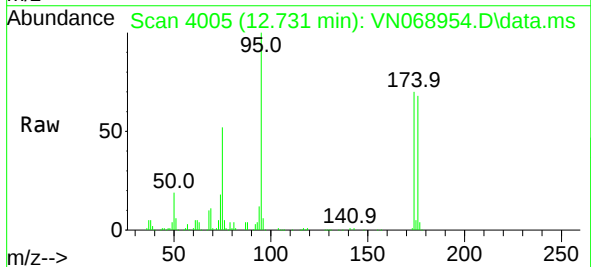
Instrument :
MSVOA_N
ClientSampled :

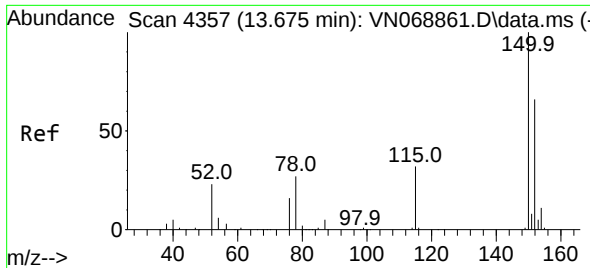
Tgt Ion:117 Resp: 570914
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 31.8 26.0 39.0



#71
Bromoform
Concen: 0.624 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion:173 Resp: 2114
Ion Ratio Lower Upper
173 100
175 625.1 23.8 71.5#
254 0.0 0.0 0.0

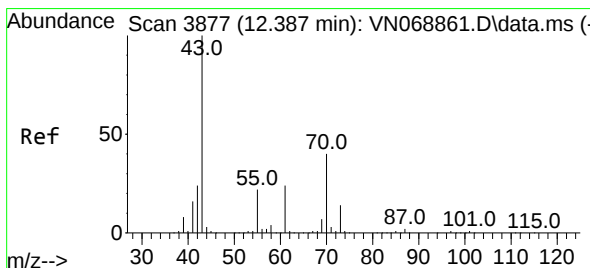
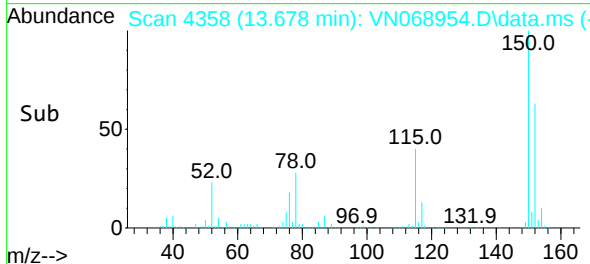
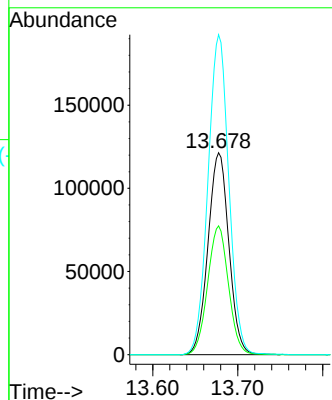
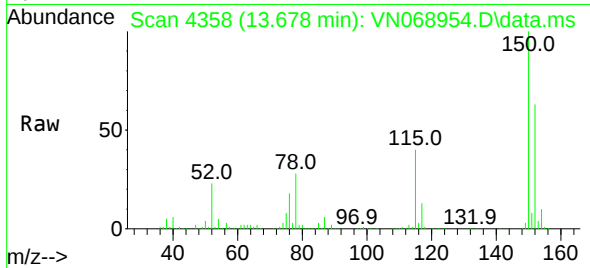




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

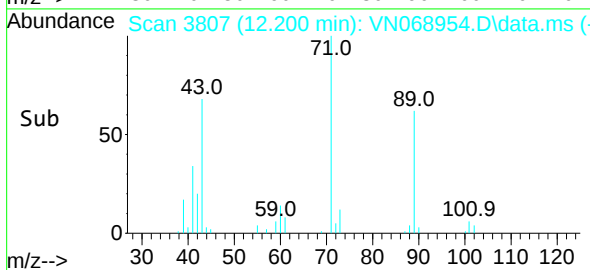
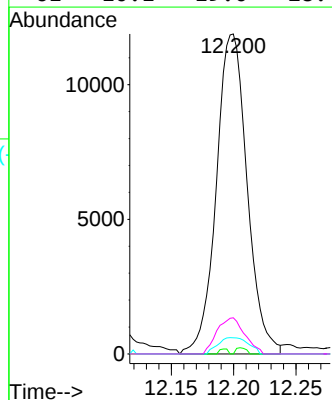
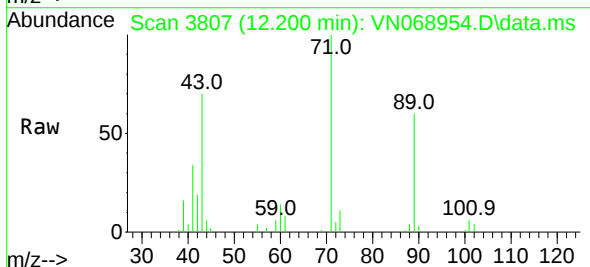
Instrument :
MSVOA_N
ClientSampled :

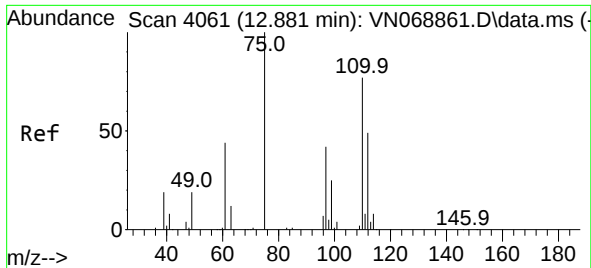
Tgt Ion:152 Resp: 207514
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 157.7 0.0 351.0



#74
N-ethyl acetate
Concen: 3.123 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Tgt Ion: 43 Resp: 20435
Ion Ratio Lower Upper
43 100
70 0.6 32.2 48.2#
55 5.0 18.0 27.0#
61 10.1 19.0 28.4#

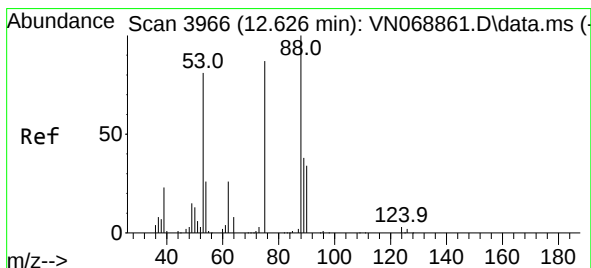
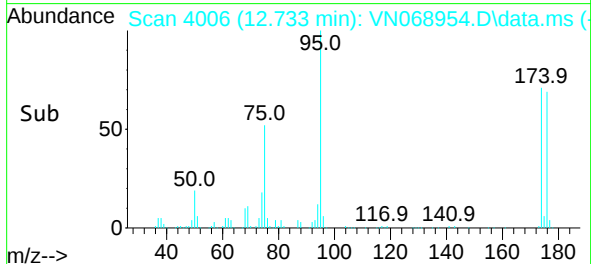
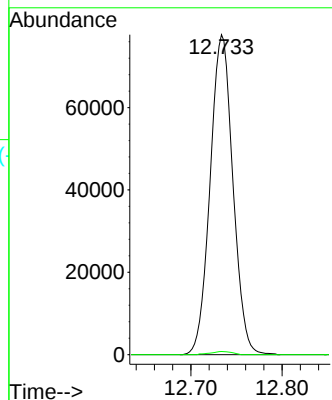
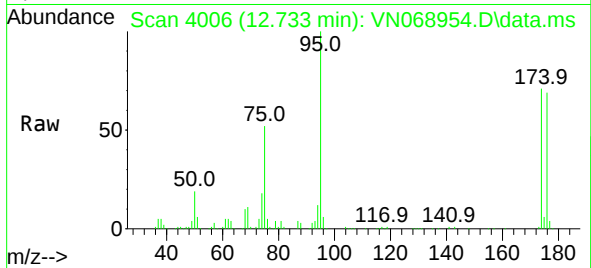




#76
1,2,3-Trichloropropane
Concen: 30.538 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

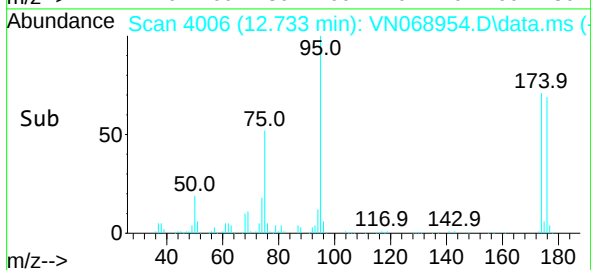
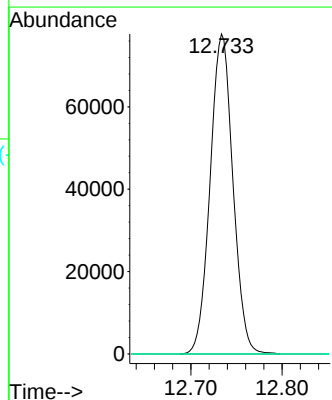
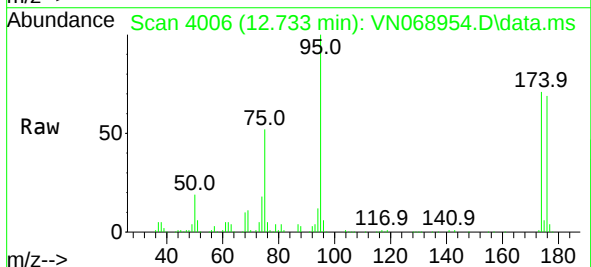
Instrument :
MSVOA_N
ClientSampled :

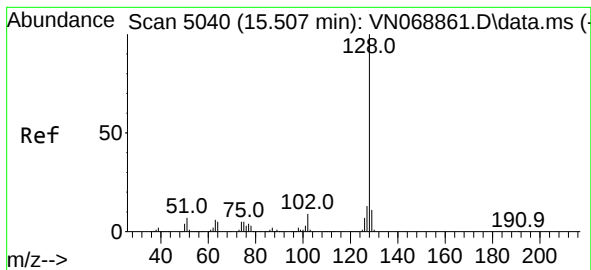
Tgt Ion: 75 Resp: 134836
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.061 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

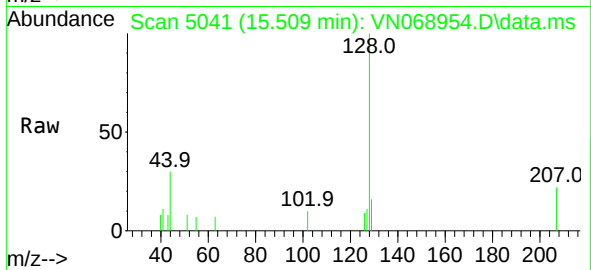
Tgt Ion: 75 Resp: 134836
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 4.289 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068954.D
Acq: 15 Oct 2021 17:12

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	4971
Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.5	15.7#
129	10.1	8.9	13.3

