

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068876.D
 Acq On : 12 Oct 2021 21:31
 Operator : JC/MD
 Sample : M4159-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:23:40 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)

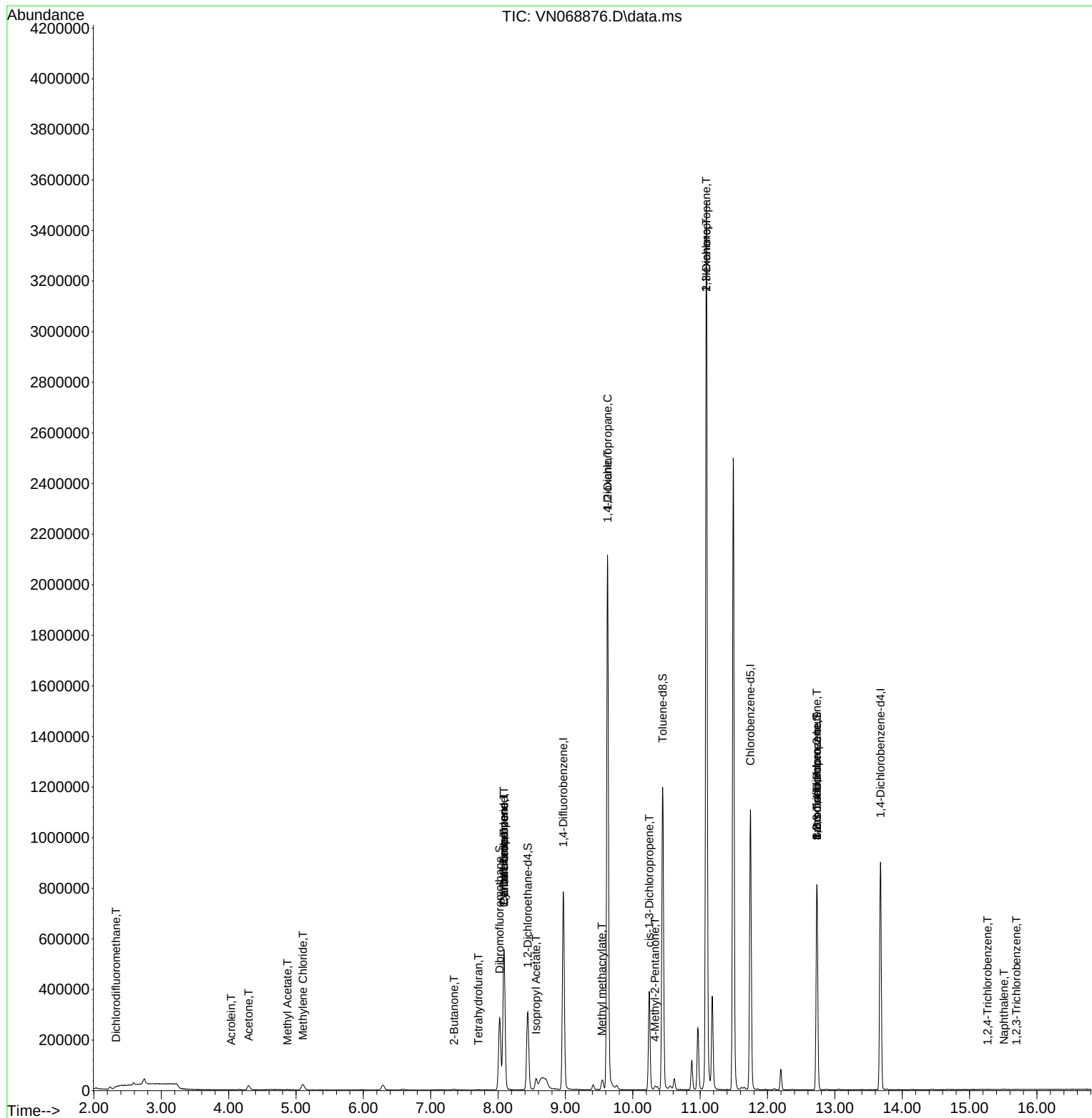
Internal Standards						
1) Pentafluorobenzene	8.088	168	428226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	700923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	647507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	246577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	257469	45.602	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.200%
35) Dibromofluoromethane	8.024	113	210382	51.589	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.180%
50) Toluene-d8	10.443	98	859438	52.672	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.340%
62) 4-Bromofluorobenzene	12.734	95	295057	47.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.328	85	207	1.281	ug/l #	42
13) Acrolein	4.039	56	96	0.210	ug/l #	1
16) Acetone	4.296	43	33231	15.772	ug/l	98
18) Methyl Acetate	4.873	43	3194	0.400	ug/l #	81
20) Methylene Chloride	5.103	84	18662	3.848	ug/l	98
25) 2-Butanone	7.345	43	5057	1.587	ug/l	93
29) Tetrahydrofuran	7.708	42	2047	0.990	ug/l #	67
31) Cyclohexane	8.086	56	9871	1.124	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	33411	5.581	ug/l #	50
38) Carbon Tetrachloride	8.088	117	43375	6.597	ug/l #	16
43) Isopropyl Acetate	8.563	43	55001	5.041	ug/l #	86
45) 1,2-Dichloropropane	9.625	63	2611	0.552	ug/l #	43
48) Methyl methacrylate	9.542	41	10293	2.008	ug/l #	14
49) 1,4-Dioxane	9.628	88	236	37.912	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	7782	1.230	ug/l #	69
54) cis-1,3-Dichloropropene	10.245	75	74075	9.393	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	38585	5.060	ug/l #	43
59) 2-Hexanone	11.092	43	556873	122.752	ug/l #	50
71) Bromoform	12.734	173	2322	0.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	151096	28.800	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	151096	68.901	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	494	2.715	ug/l #	79
95) Naphthalene	15.509	128	2108	3.982	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.697	180	454	2.623	ug/l #	45

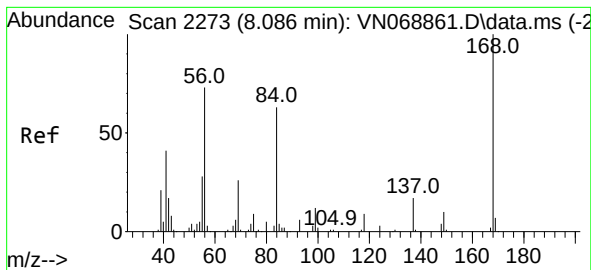
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
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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: VN068876.D

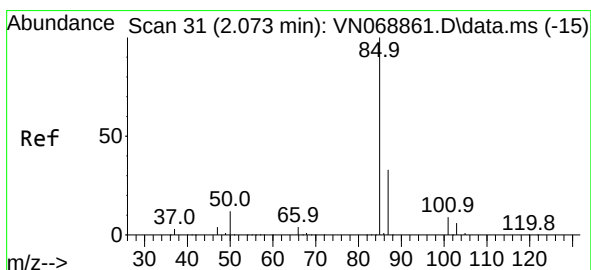
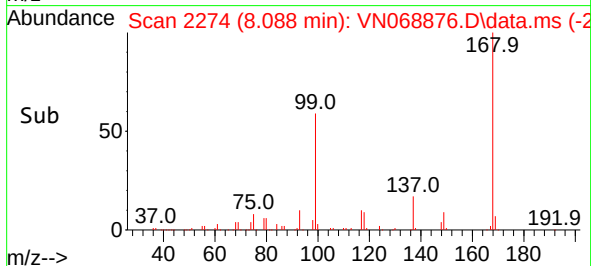
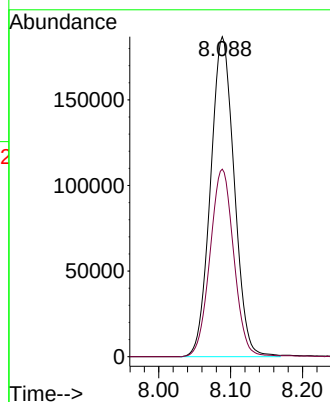
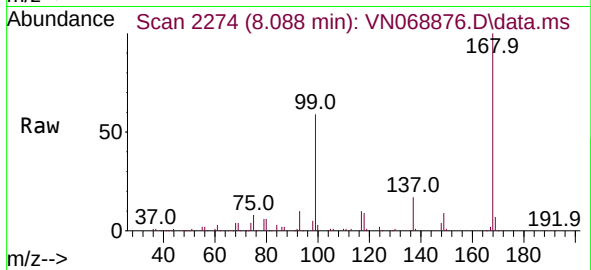
Acq: 12 Oct 2021 21:31

Tgt Ion:168 Resp: 428226

Ion Ratio Lower Upper

168 100

99 58.6 48.9 73.3



#2

Dichlorodifluoromethane

Concen: 1.281 ug/l

RT: 2.328 min Scan# 126

Delta R.T. 0.255 min

Lab File: VN068876.D

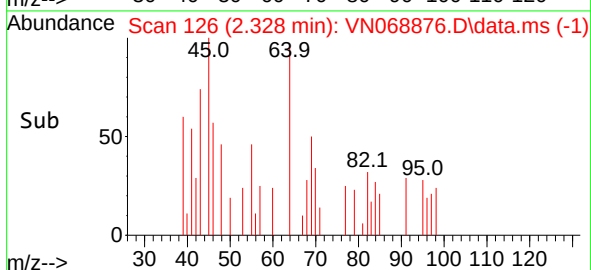
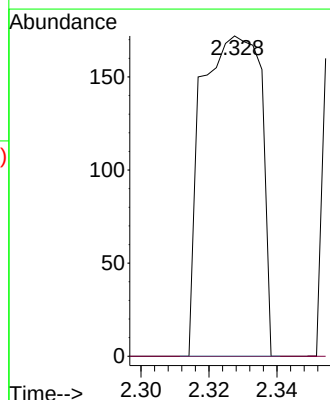
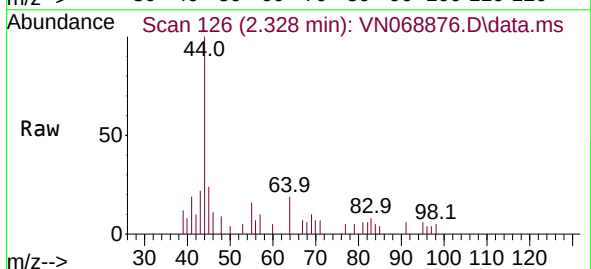
Acq: 12 Oct 2021 21:31

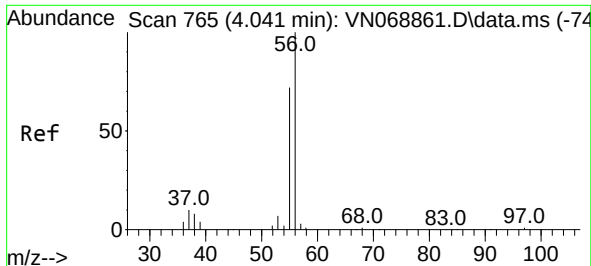
Tgt Ion: 85 Resp: 207

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#

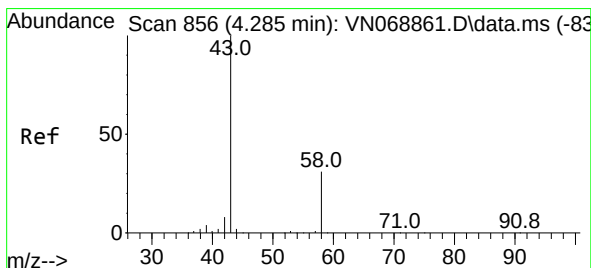
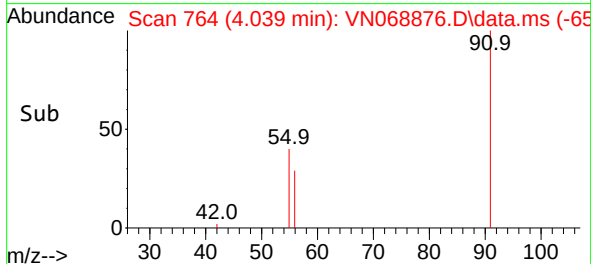
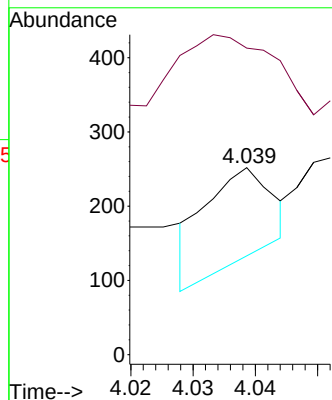
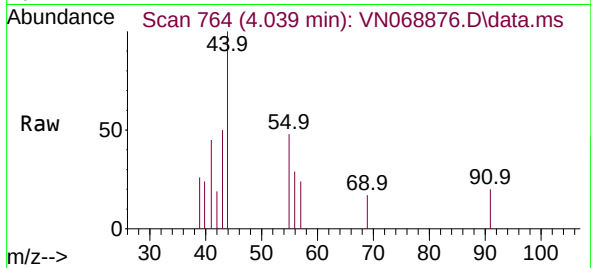




#13
Acrolein
Concen: 0.210 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

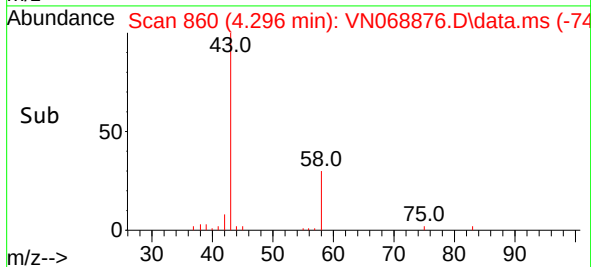
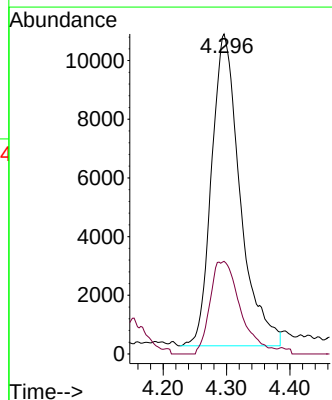
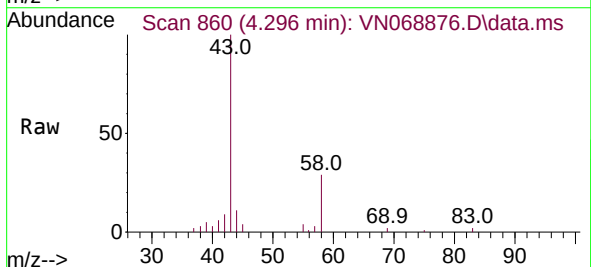
Instrument :
MSVOA_N
ClientSampled :

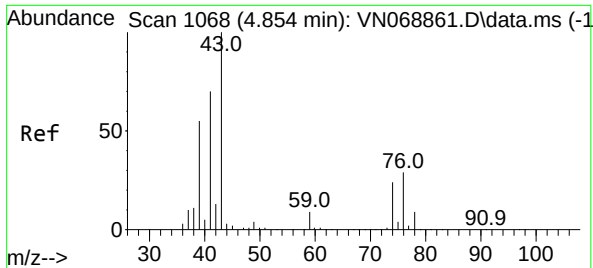
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 206.3 58.1 87.1#



#16
Acetone
Concen: 15.772 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 43 Resp: 33231
Ion Ratio Lower Upper
43 100
58 29.7 24.5 36.7

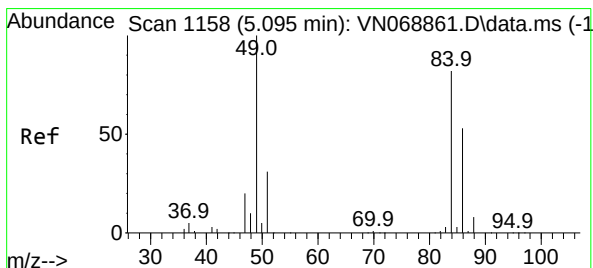
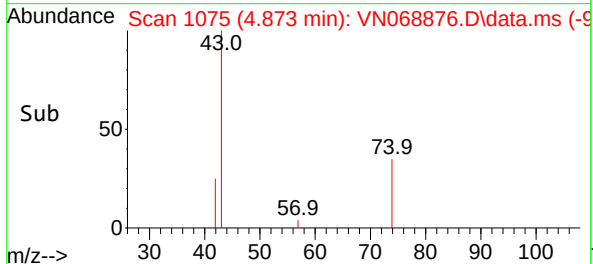
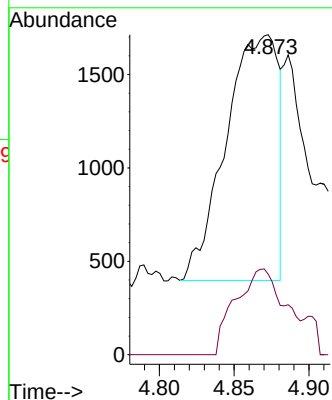
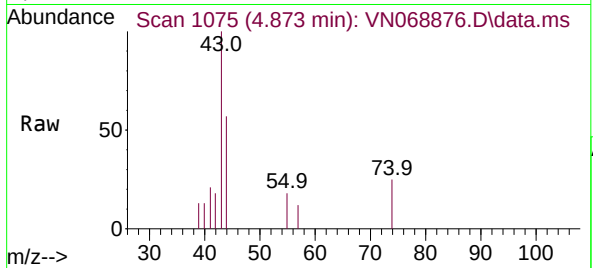




#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

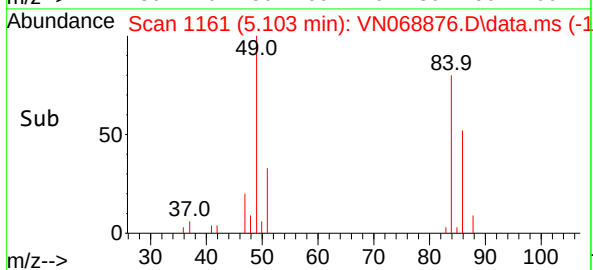
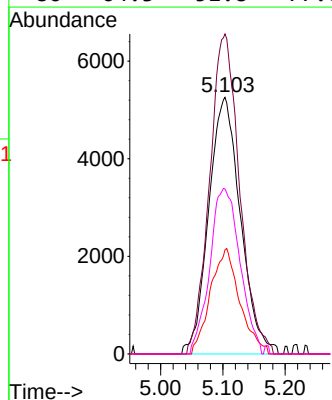
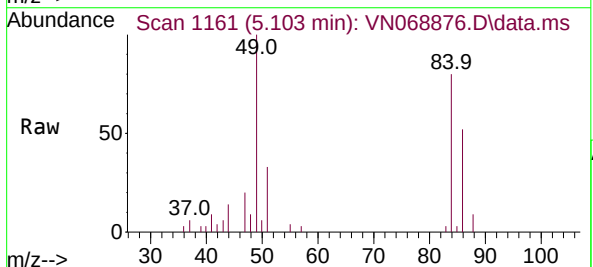
Instrument :
MSVOA_N
ClientSampled :

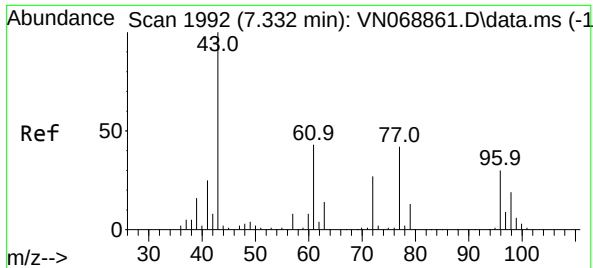
Tgt Ion: 43 Resp: 3194
Ion Ratio Lower Upper
43 100
74 32.7 18.9 28.3#



#20
Methylene Chloride
Concen: 3.848 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 84 Resp: 18662
Ion Ratio Lower Upper
84 100
49 124.7 97.6 146.4
51 40.6 30.3 45.5
86 64.3 51.8 77.6

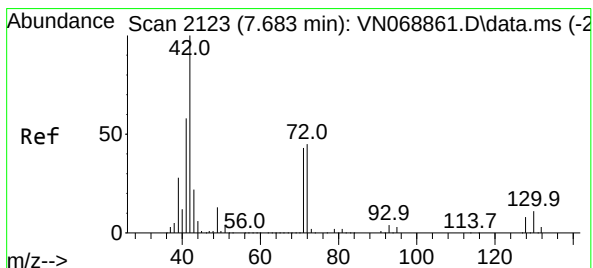
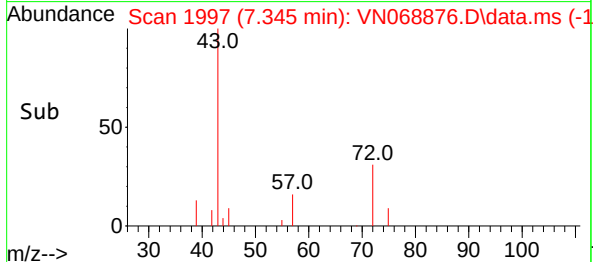
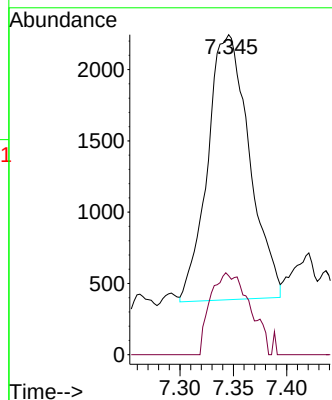
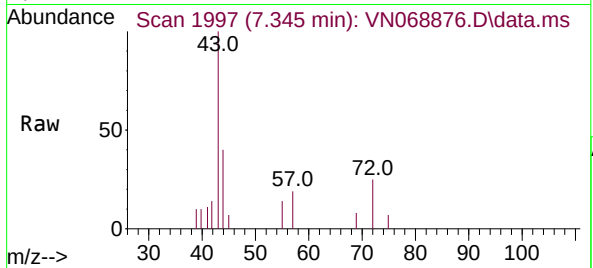




#25
2-Butanone
Concen: 1.587 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

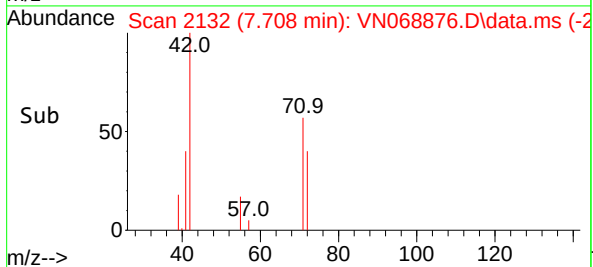
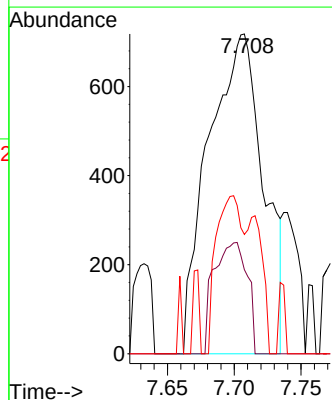
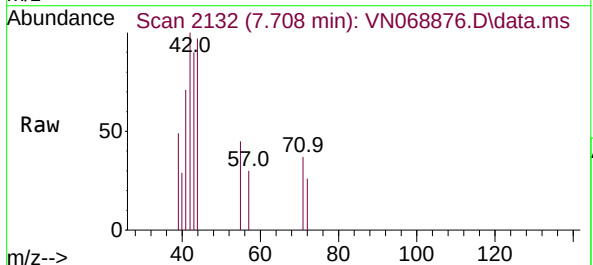
Instrument :
MSVOA_N
ClientSampled :

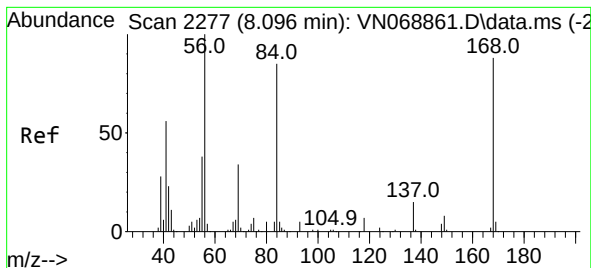
Tgt Ion: 43 Resp: 5057
Ion Ratio Lower Upper
43 100
72 30.1 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.990 ug/l
RT: 7.708 min Scan# 2132
Delta R.T. 0.024 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 42 Resp: 2047
Ion Ratio Lower Upper
42 100
72 21.1 35.4 53.2#
71 23.7 33.8 50.6#

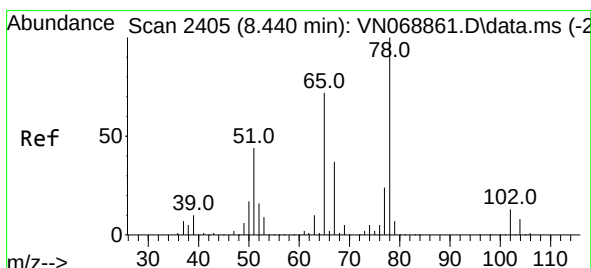
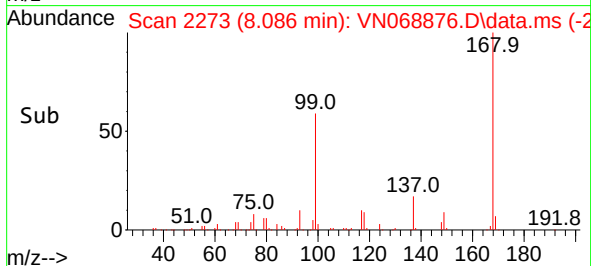
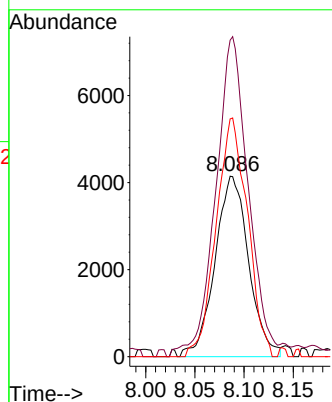
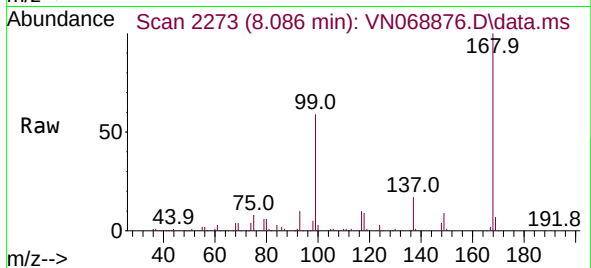




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

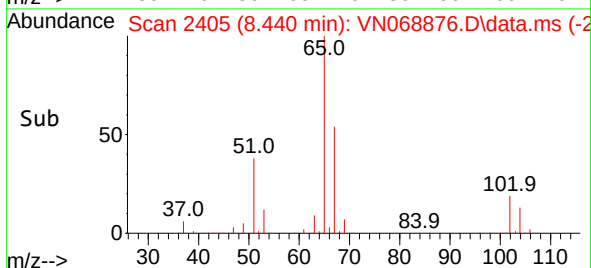
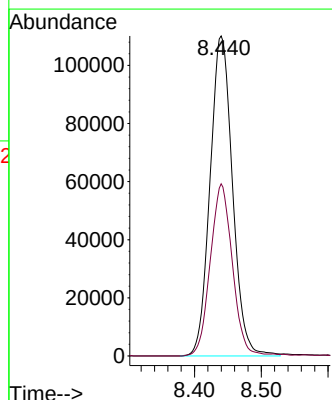
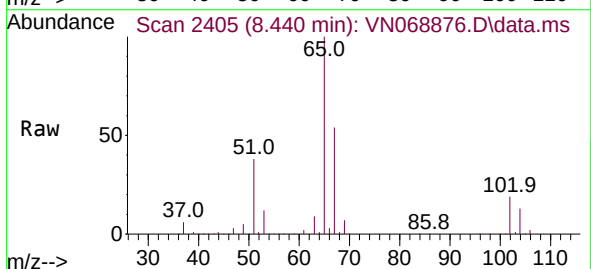
Instrument :
MSVOA_N
ClientSampled :

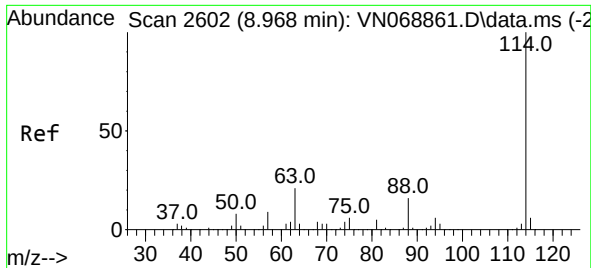
Tgt Ion: 56 Resp: 9871
Ion Ratio Lower Upper
56 100
69 170.0 26.9 40.3#
84 131.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 45.602 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 65 Resp: 257469
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8

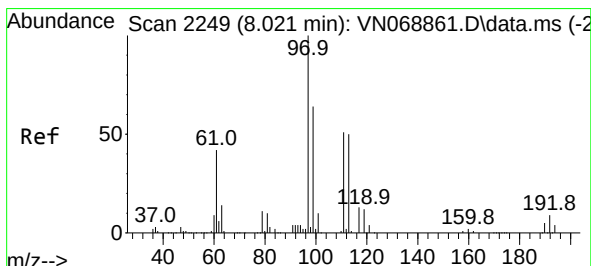
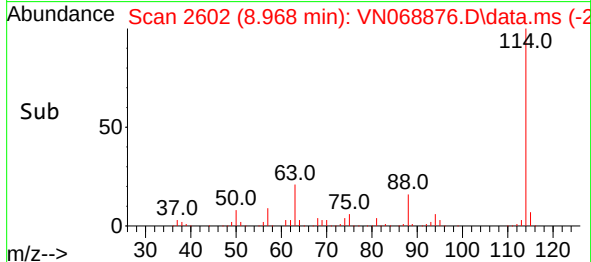
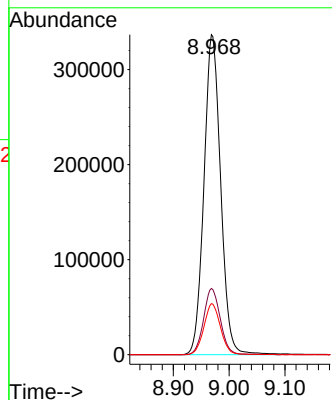
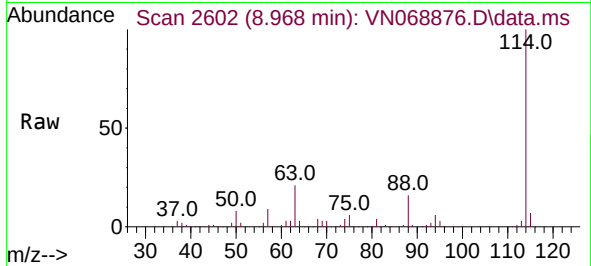




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

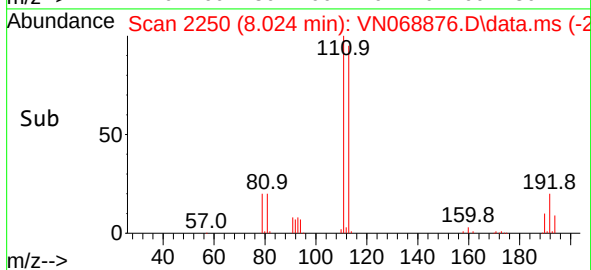
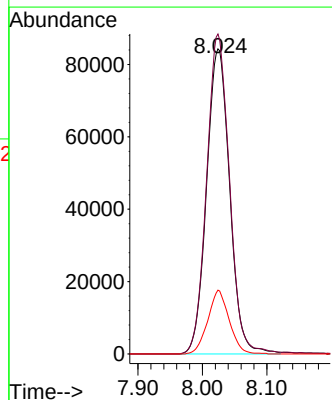
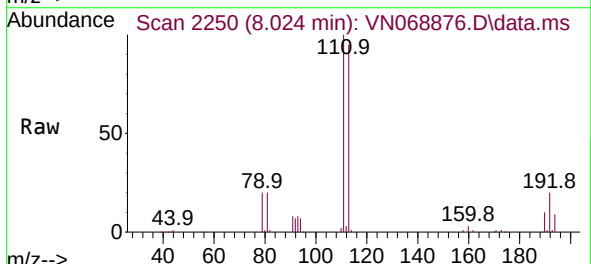
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MSVOA_N
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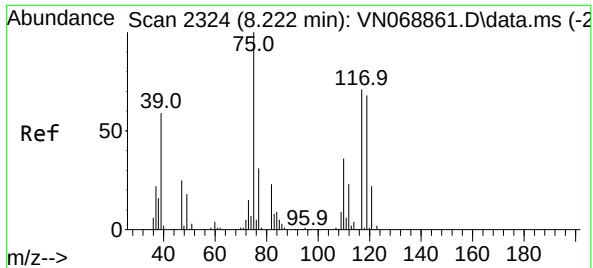
Tgt Ion:114 Resp: 700923
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.589 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion:113 Resp: 210382
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 19.3 15.0 22.4

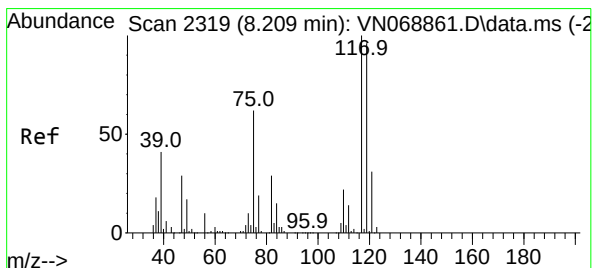
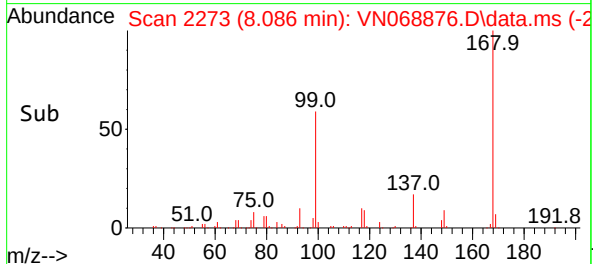
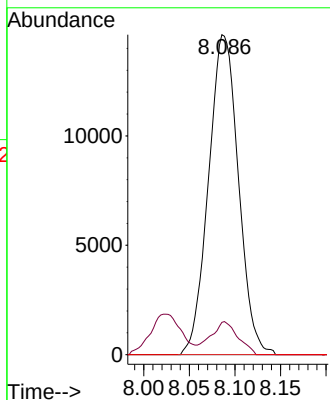
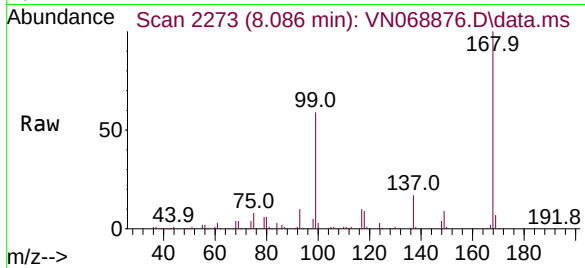




#36
1,1-Dichloropropene
Concen: 5.581 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

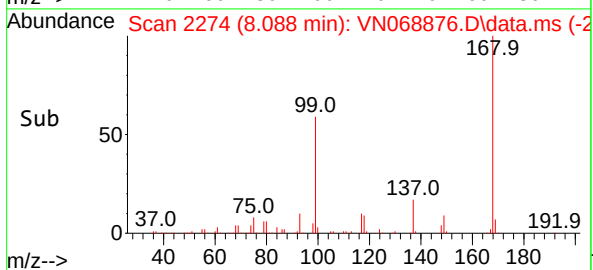
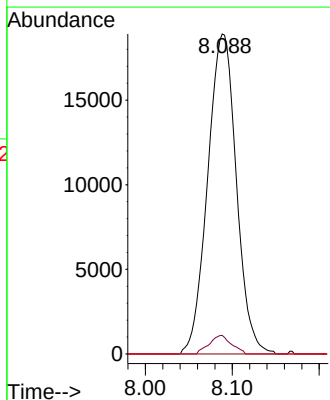
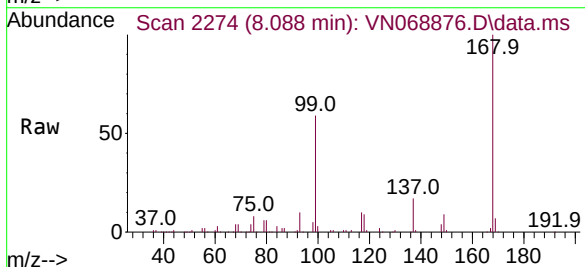
Instrument :
MSVOA_N
ClientSampled :

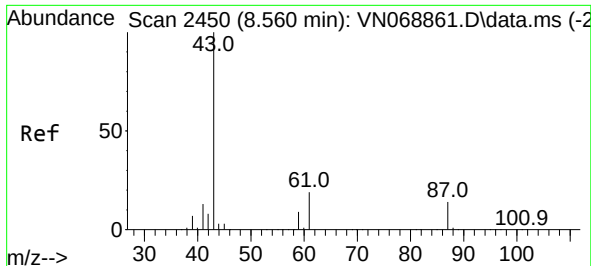
Tgt Ion: 75 Resp: 33411
Ion Ratio Lower Upper
75 100
110 9.5 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 117 Resp: 43375
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.6 37.0#

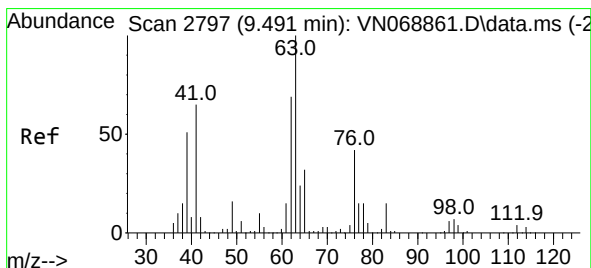
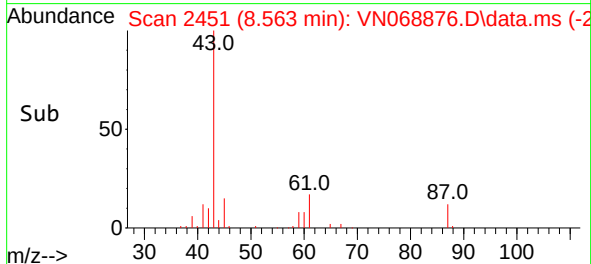
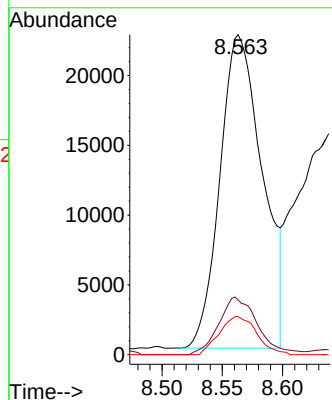
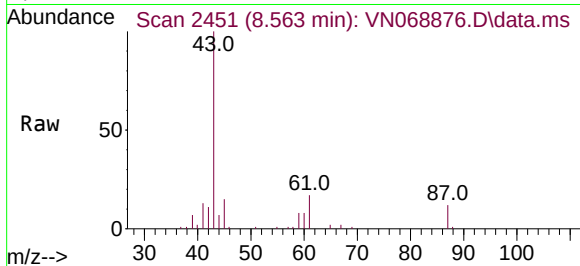




#43
Isopropyl Acetate
Concen: 5.041 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

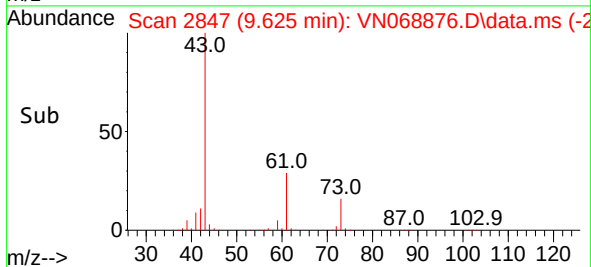
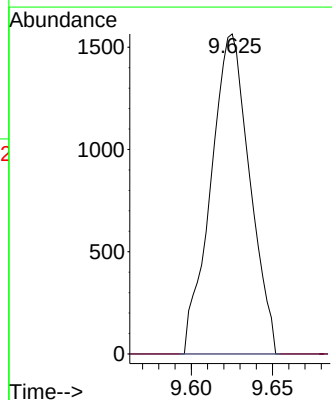
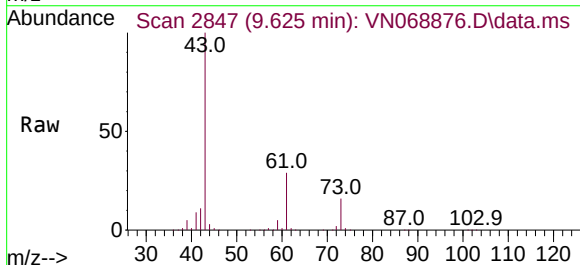
Instrument :
MSVOA_N
ClientSampled :

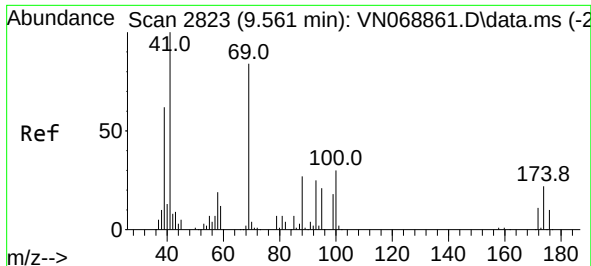
Tgt Ion: 43 Resp: 55001
Ion Ratio Lower Upper
43 100
61 16.9 20.4 30.6#
87 10.7 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.552 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 63 Resp: 2611
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

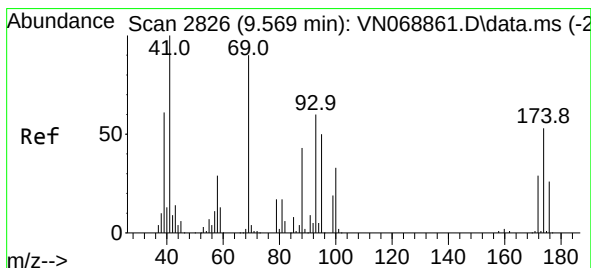
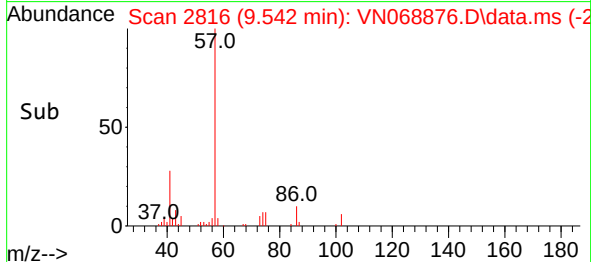
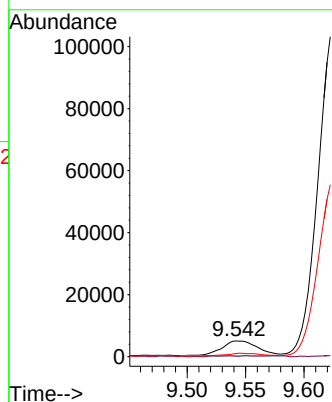
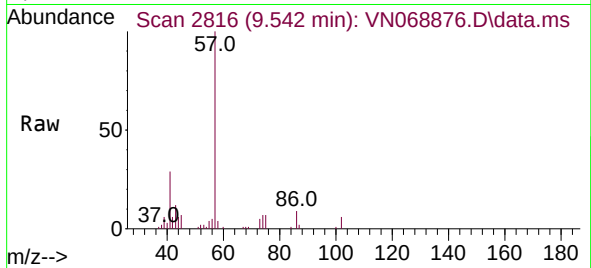




#48
Methyl methacrylate
Concen: 2.008 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

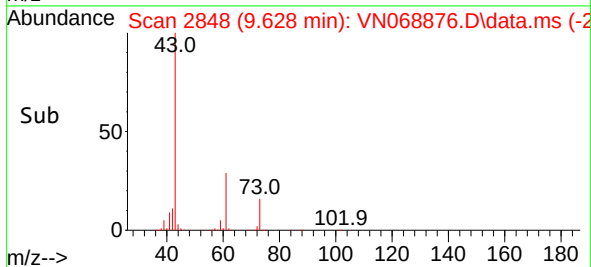
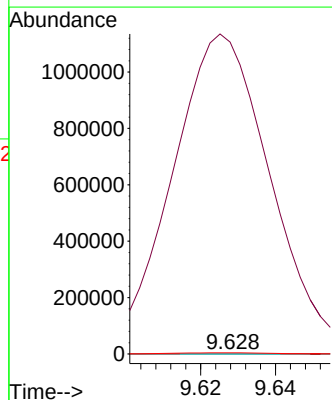
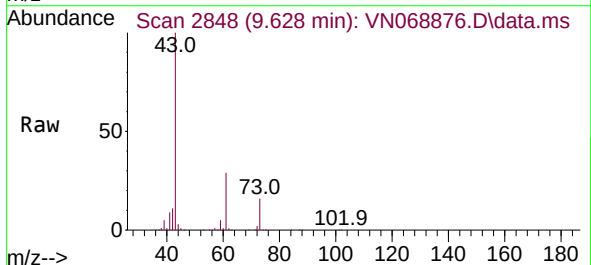
Instrument :
MSVOA_N
ClientSampled :

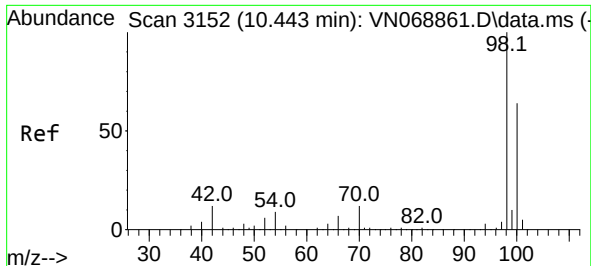
Tgt Ion: 41 Resp: 10293
Ion Ratio Lower Upper
41 100
69 1.9 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.912 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 911046.2 24.9 37.3#
58 3328.4 56.9 85.3#

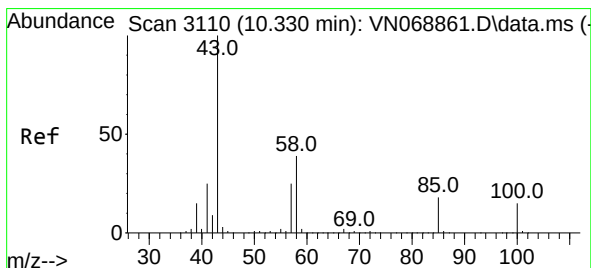
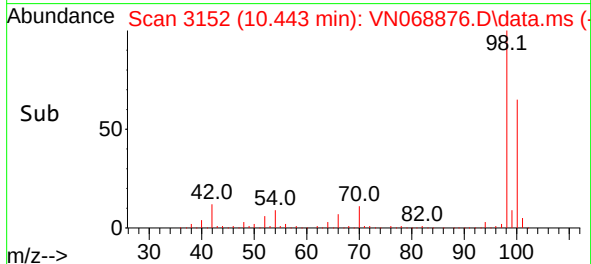
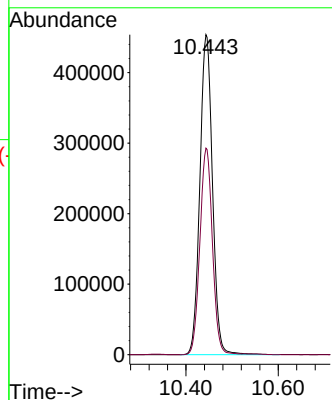
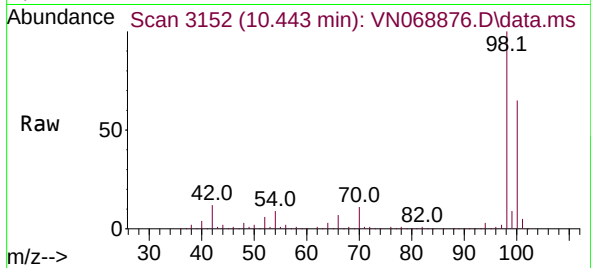




#50
Toluene-d8
Concen: 52.672 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

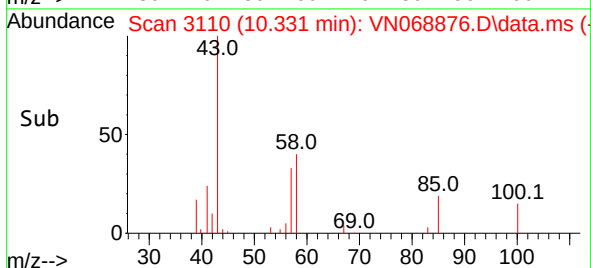
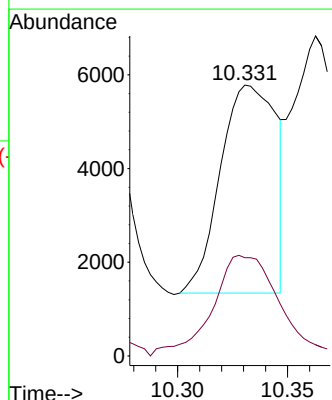
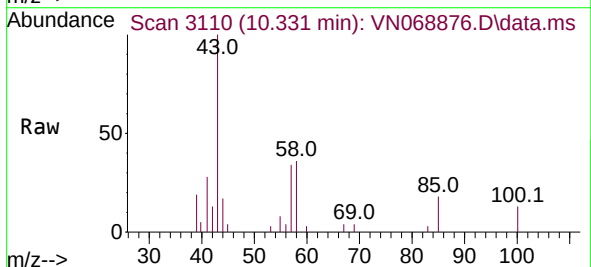
Instrument :
MSVOA_N
ClientSampled :

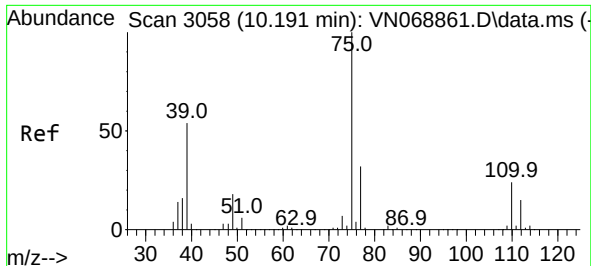
Tgt Ion: 98 Resp: 859438
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.230 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 43 Resp: 7782
Ion Ratio Lower Upper
43 100
58 57.8 31.0 46.4#

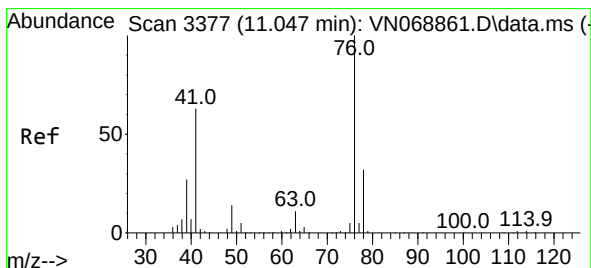
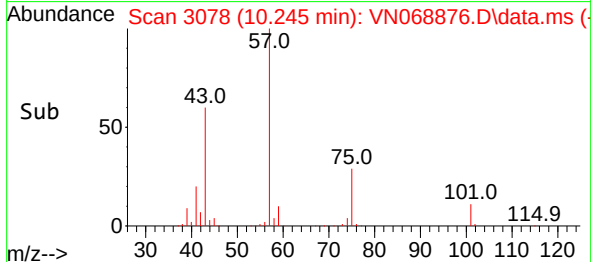
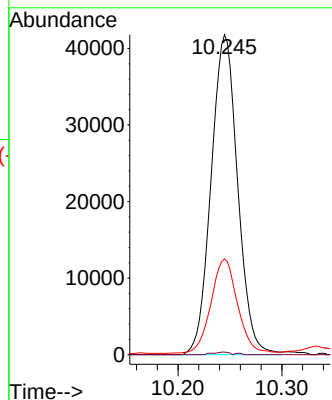
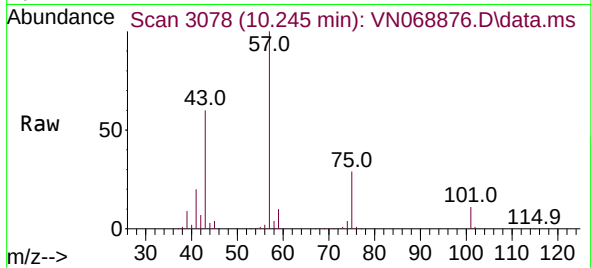




#54
 cis-1,3-Dichloropropene
 Concen: 9.393 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068876.D
 Acq: 12 Oct 2021 21:31

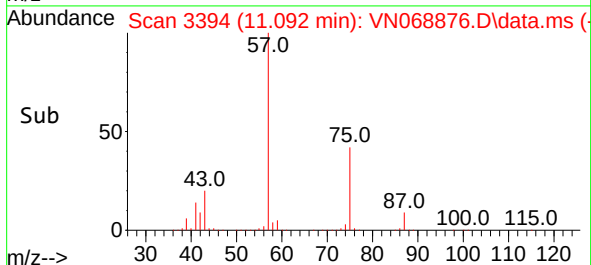
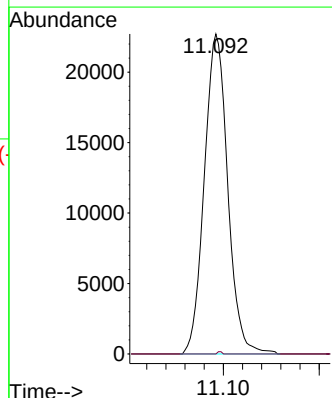
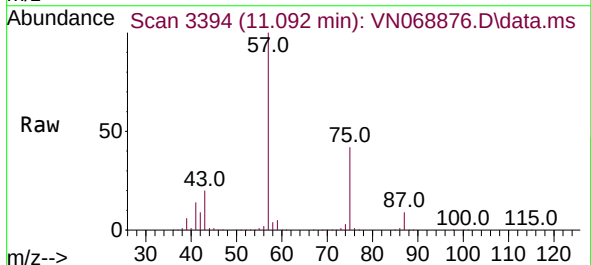
Instrument :
 MSVOA_N
 ClientSampled :

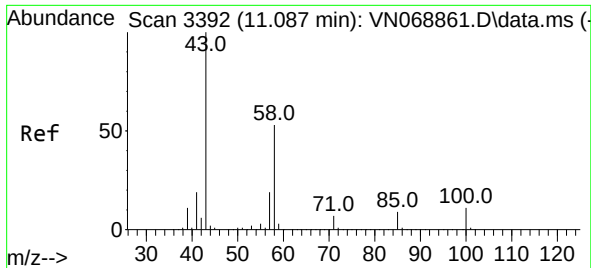
Tgt Ion: 75 Resp: 74075
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.6 38.4#
 39 29.4 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.060 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068876.D
 Acq: 12 Oct 2021 21:31

Tgt Ion: 76 Resp: 38585
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.8 38.8#

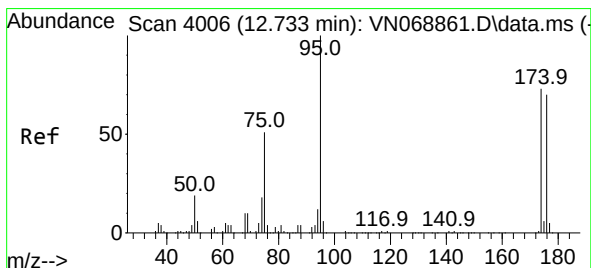
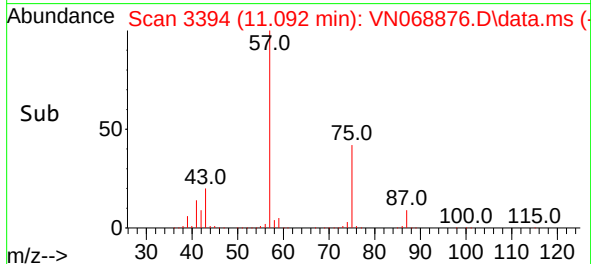
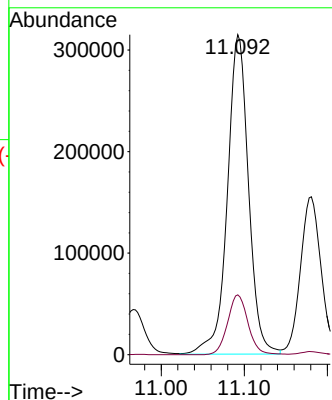
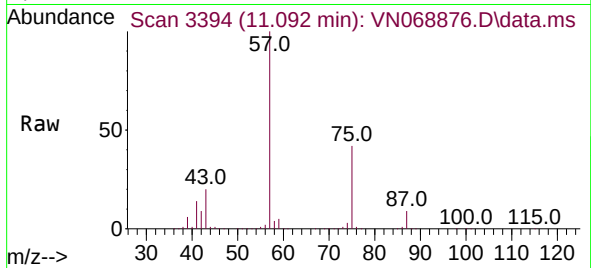




#59
2-Hexanone
Concen: 122.752 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

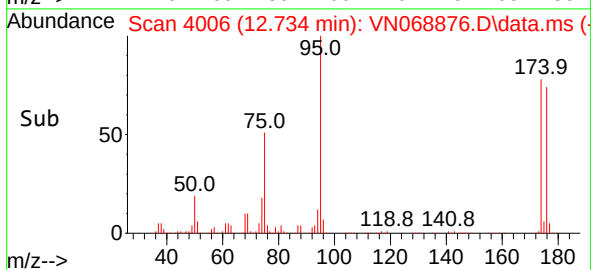
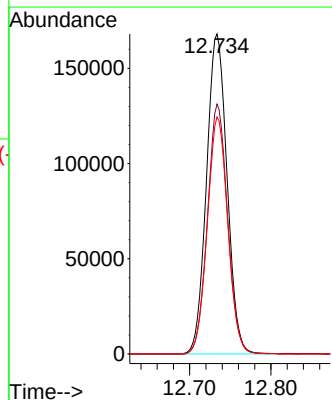
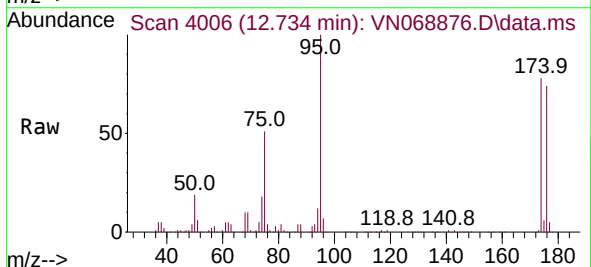
Instrument :
MSVOA_N
ClientSampled :

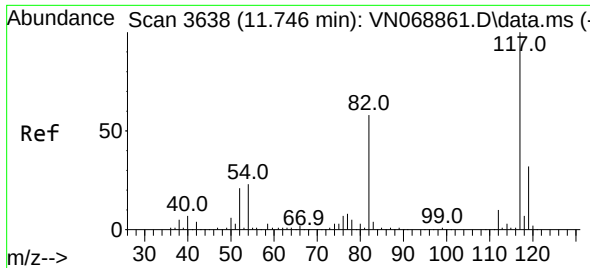
Tgt Ion: 43 Resp: 556873
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.929 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion: 95 Resp: 295057
Ion Ratio Lower Upper
95 100
174 76.7 0.0 144.8
176 73.6 0.0 140.0

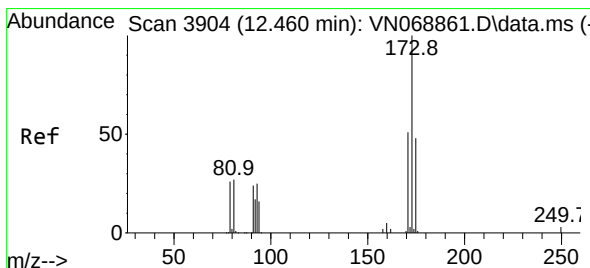
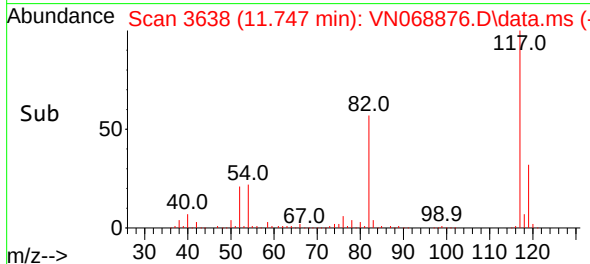
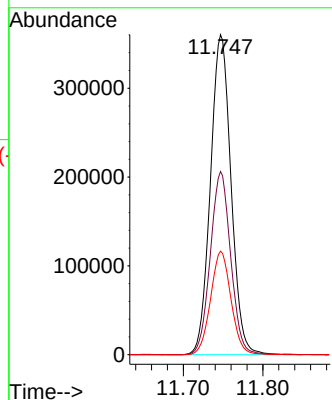
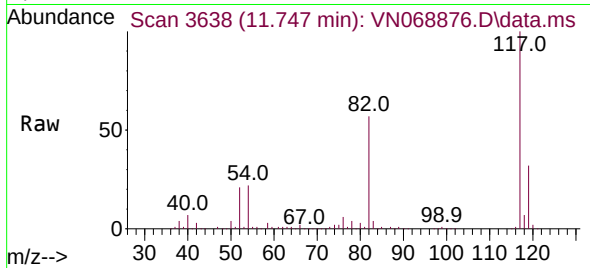




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

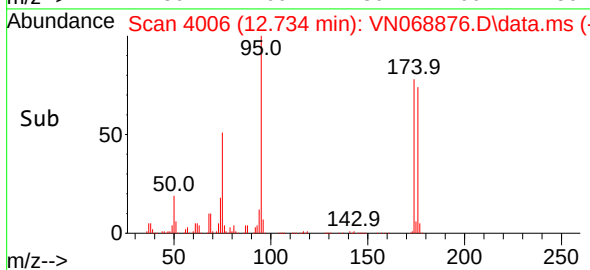
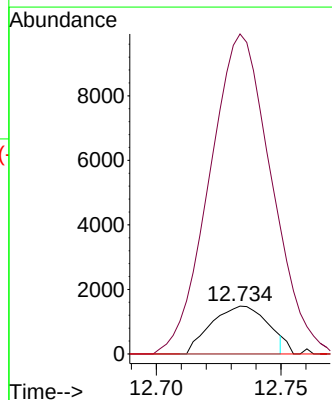
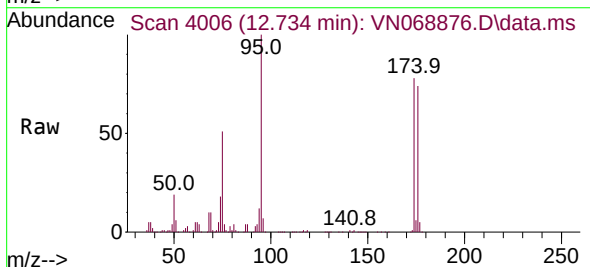
Instrument :
MSVOA_N
ClientSampleId :

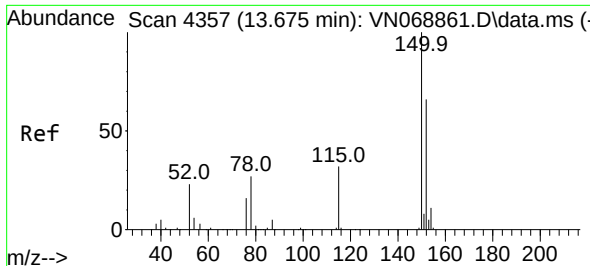
Tgt Ion:117 Resp: 647507
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 32.4 26.0 39.0



#71
Bromoform
Concen: 0.604 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion:173 Resp: 2322
Ion Ratio Lower Upper
173 100
175 680.7 23.8 71.5#
254 0.0 0.0 0.0

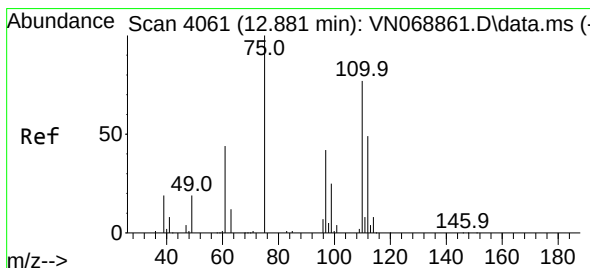
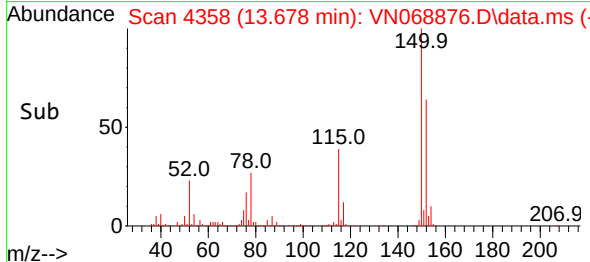
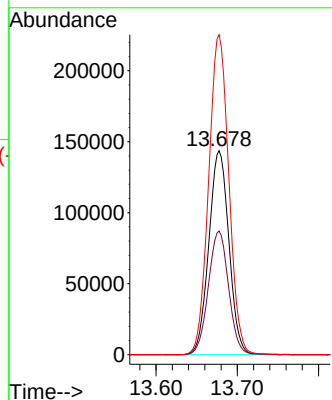
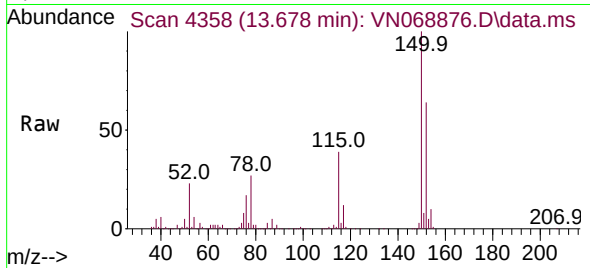




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068876.D
 Acq: 12 Oct 2021 21:31

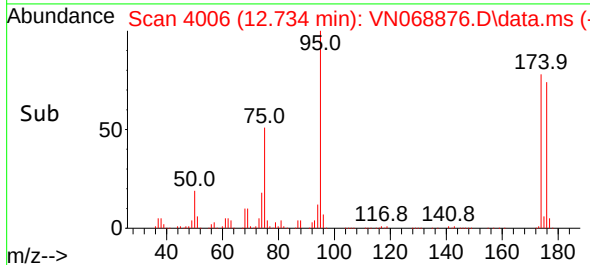
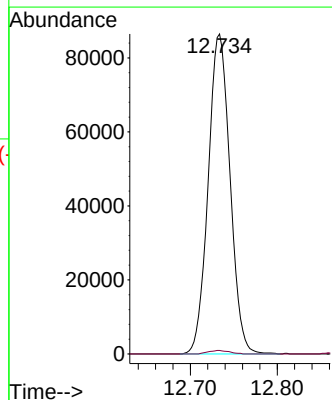
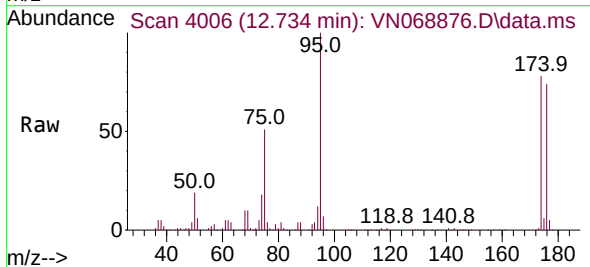
Instrument :
 MSVOA_N
 ClientSampled :

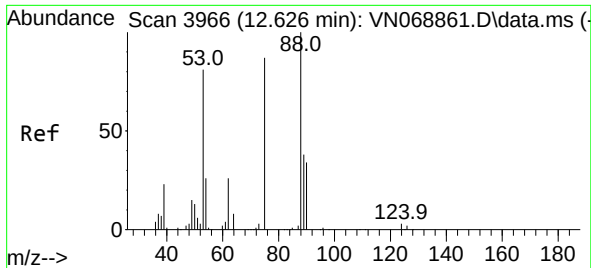
Tgt Ion:152 Resp: 246577
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.4 94.3
 150 157.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.800 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN068876.D
 Acq: 12 Oct 2021 21:31

Tgt Ion: 75 Resp: 151096
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

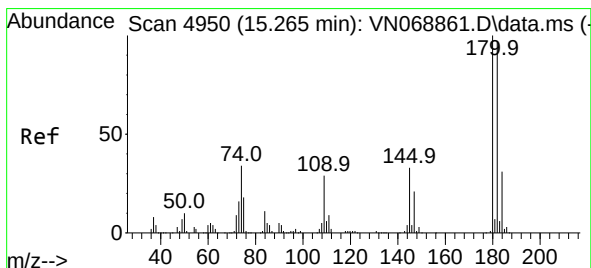
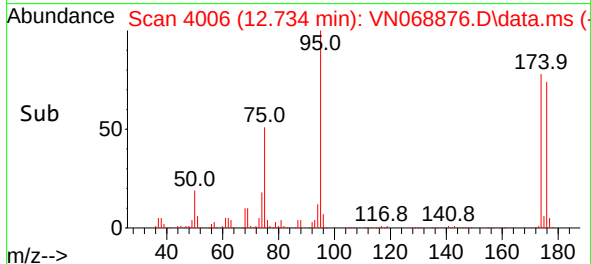
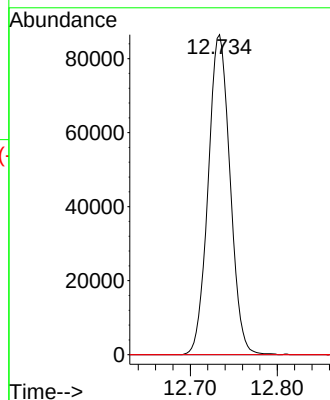
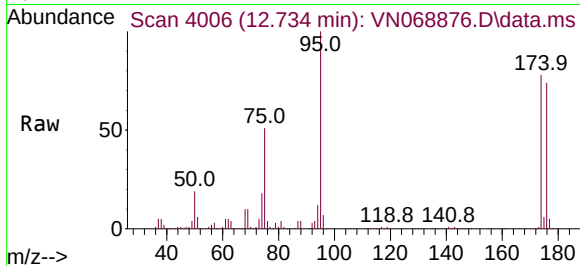




#81
trans-1,4-Dichloro-2-butene
Concen: 68.901 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

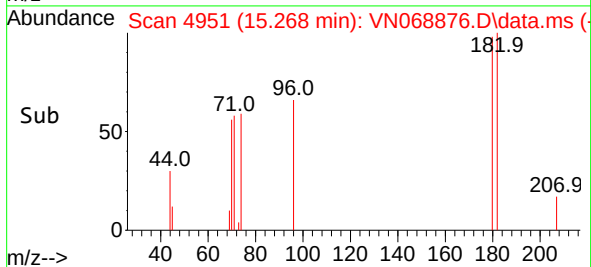
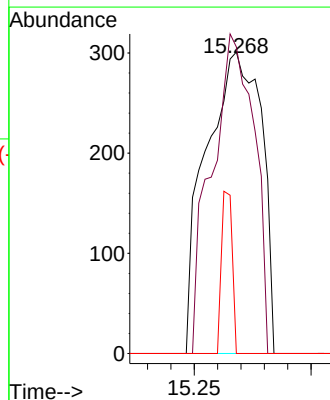
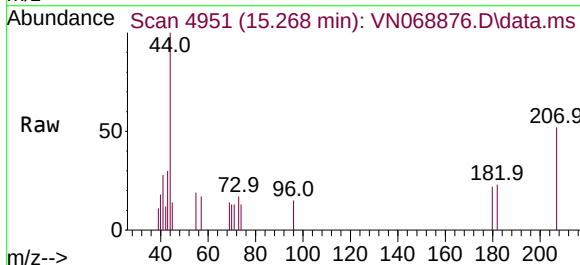
Instrument :
MSVOA_N
ClientSampleId :

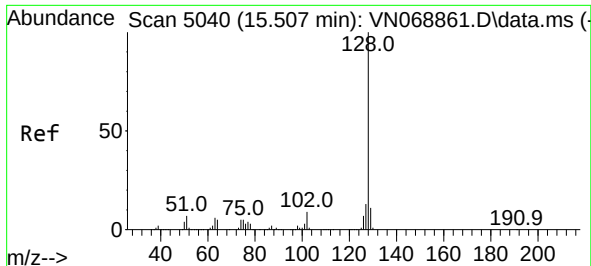
Tgt Ion: 75 Resp: 151096
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.715 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion:180 Resp: 494
Ion Ratio Lower Upper
180 100
182 81.6 47.9 143.7
145 10.3 16.4 49.2#

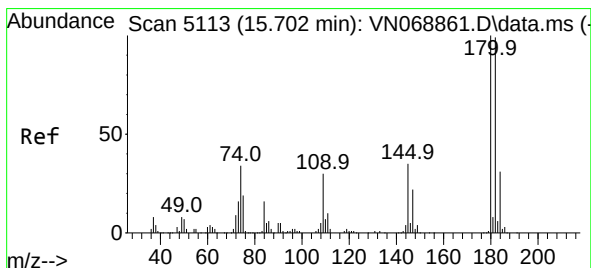
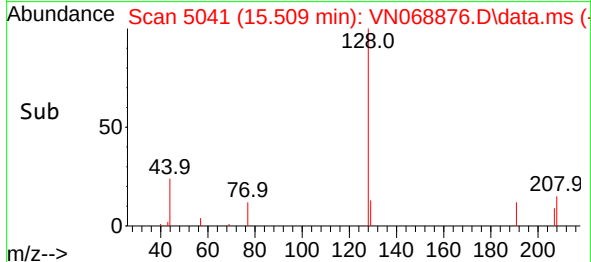
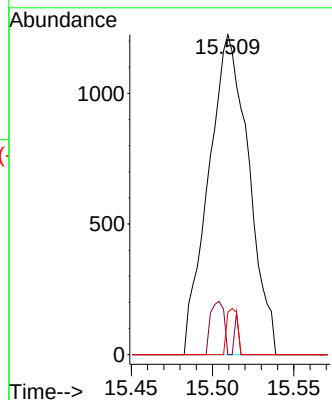
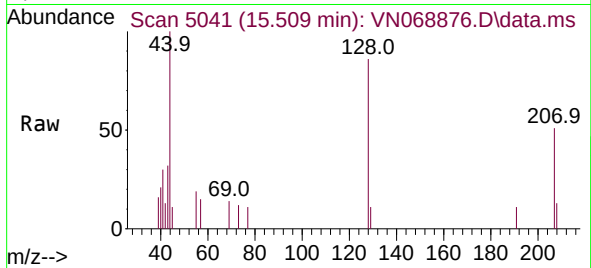




#95
Naphthalene
Concen: 3.982 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2108
Ion Ratio Lower Upper
128 100
127 1.2 10.5 15.7#
129 3.8 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.623 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068876.D
Acq: 12 Oct 2021 21:31

Tgt Ion:180 Resp: 454
Ion Ratio Lower Upper
180 100
182 44.7 48.1 144.3#
145 0.0 17.4 52.2#

