

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068881.D
 Acq On : 12 Oct 2021 23:37
 Operator : JC/MD
 Sample : M4159-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:25:10 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)

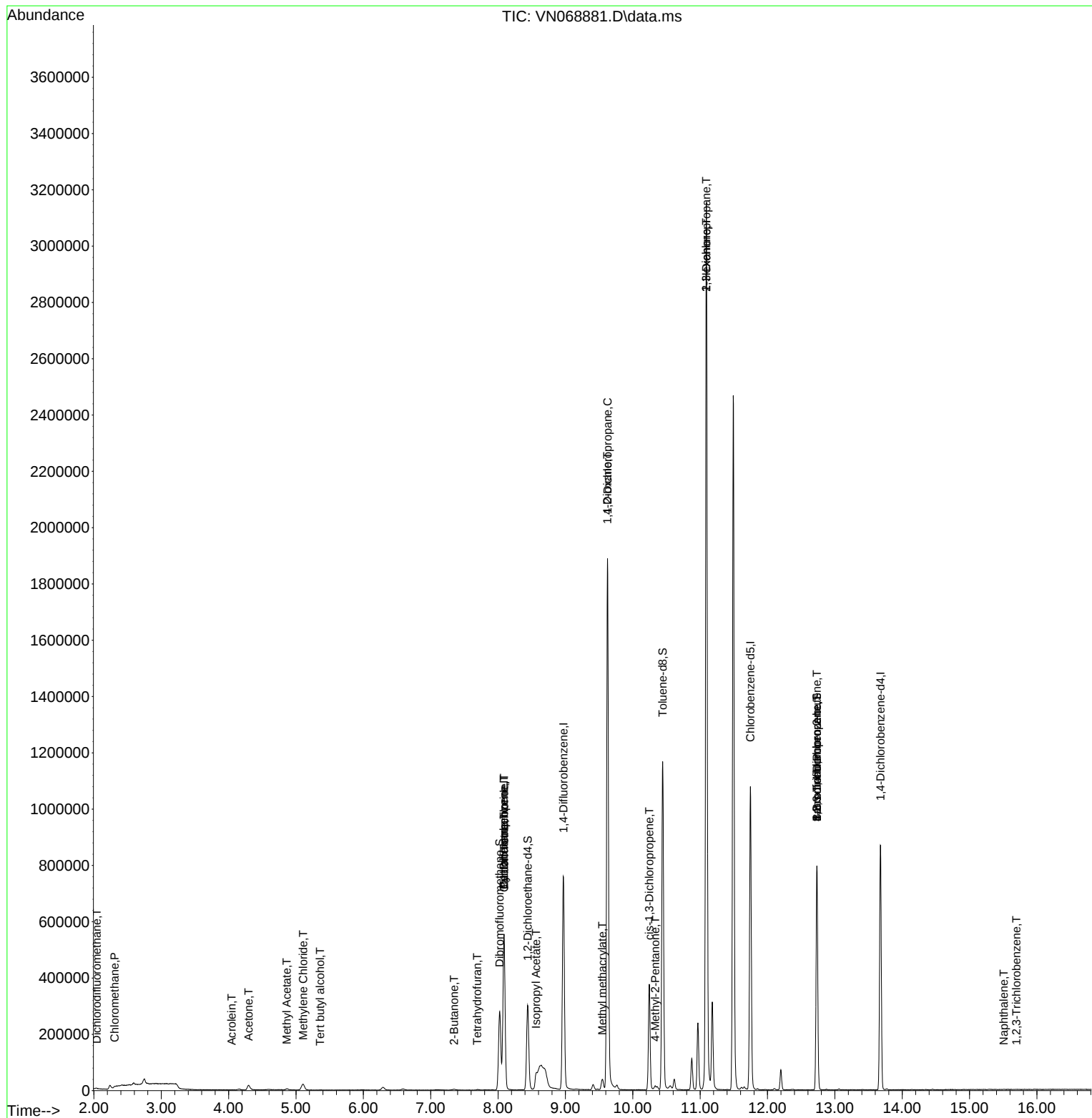
Internal Standards						
1) Pentafluorobenzene	8.088	168	426391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	689582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	633557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	241664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	250660	44.587	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.180%
35) Dibromofluoromethane	8.024	113	207890	51.816	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.640%
50) Toluene-d8	10.443	98	840346	52.349	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.700%
62) 4-Bromofluorobenzene	12.733	95	283103	46.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	55	1.253	ug/l #	42
3) Chloromethane	2.306	50	1138	0.218	ug/l	98
11) Tert butyl alcohol	5.358	59	379	0.369	ug/l #	1
13) Acrolein	4.044	56	129	0.284	ug/l #	35
16) Acetone	4.296	43	29575	14.097	ug/l	92
18) Methyl Acetate	4.865	43	4818	0.605	ug/l #	63
20) Methylene Chloride	5.106	84	17936	3.714	ug/l	94
25) 2-Butanone	7.345	43	4983	1.571	ug/l	100
29) Tetrahydrofuran	7.689	42	480	0.233	ug/l #	1
31) Cyclohexane	8.088	56	9610	1.099	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	31945	5.423	ug/l #	50
38) Carbon Tetrachloride	8.091	117	42774	6.612	ug/l #	16
43) Isopropyl Acetate	8.566	43	65673	6.119	ug/l #	80
45) 1,2-Dichloropropane	9.625	63	2436	0.523	ug/l #	43
48) Methyl methacrylate	9.547	41	9636	1.911	ug/l #	14
49) 1,4-Dioxane	9.622	88	101	36.625	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8022	1.289	ug/l #	81
54) cis-1,3-Dichloropropene	10.245	75	72082	9.290	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	34823	4.642	ug/l #	42
59) 2-Hexanone	11.092	43	502482	112.584	ug/l #	50
71) Bromoform	12.733	173	2294	0.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	145763	28.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	145763	67.821	ug/l #	12
95) Naphthalene	15.507	128	653	3.865	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.694	180	55	2.527	ug/l #	12

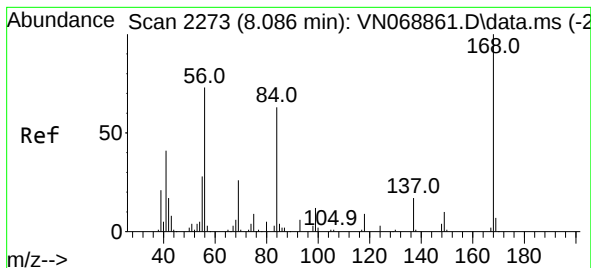
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068881.D

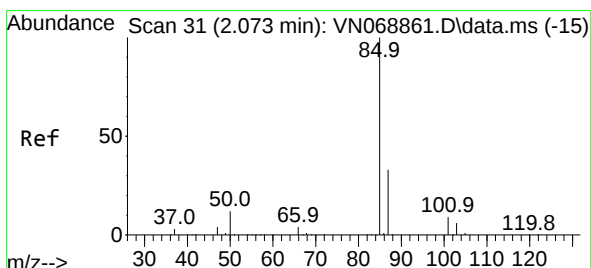
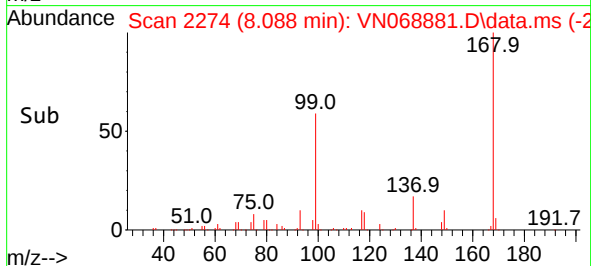
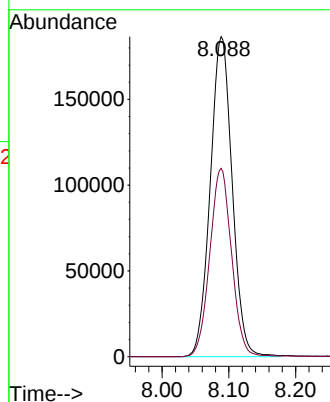
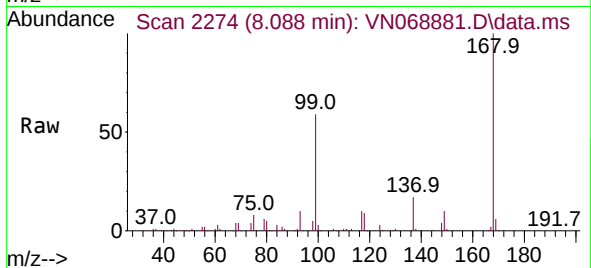
Acq: 12 Oct 2021 23:37

Tgt Ion:168 Resp: 426391

Ion Ratio Lower Upper

168 100

99 58.8 48.9 73.3



#2

Dichlorodifluoromethane

Concen: 1.253 ug/l

RT: 2.040 min Scan# 19

Delta R.T. -0.033 min

Lab File: VN068881.D

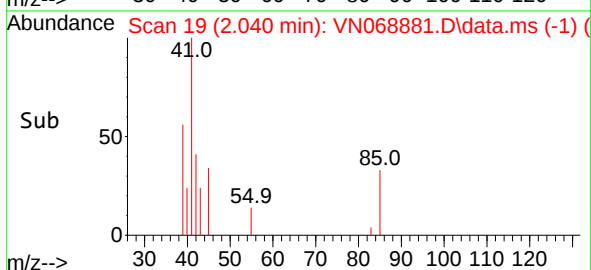
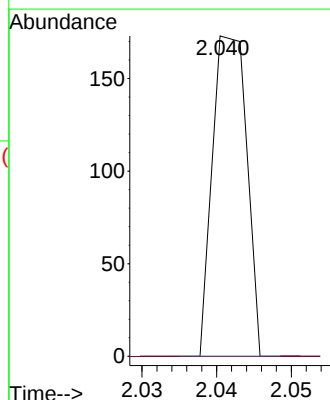
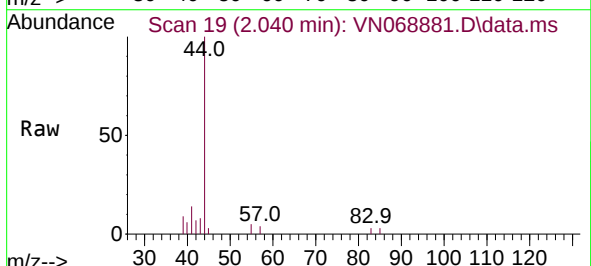
Acq: 12 Oct 2021 23:37

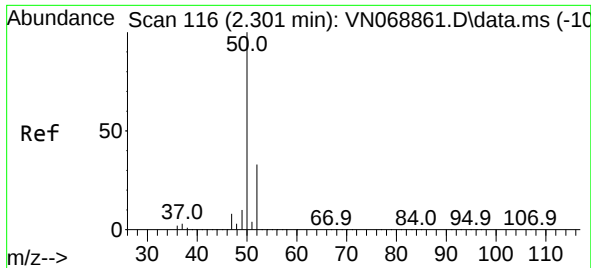
Tgt Ion: 85 Resp: 55

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#

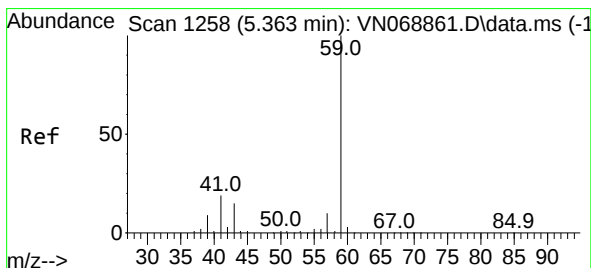
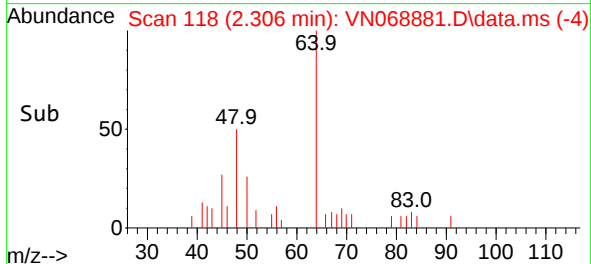
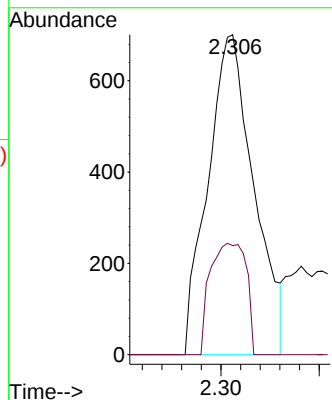
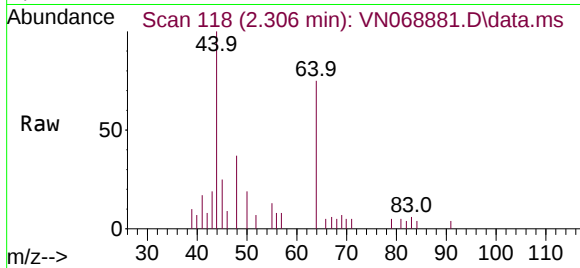




#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

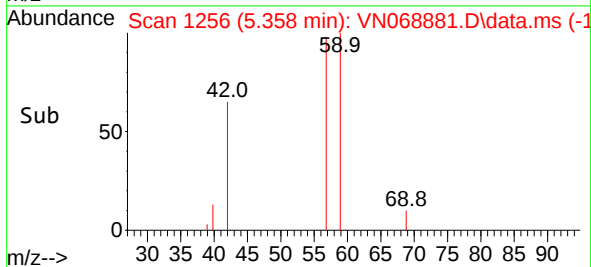
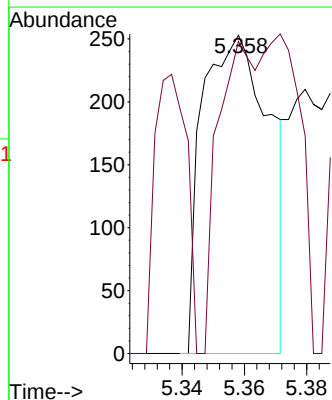
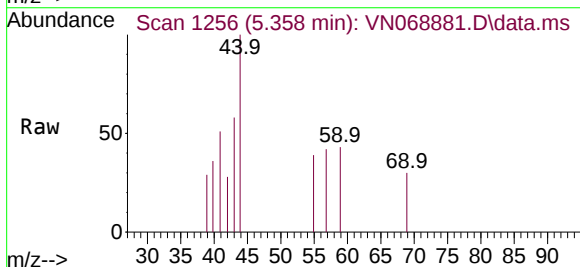
Instrument :
MSVOA_N
ClientSampled :

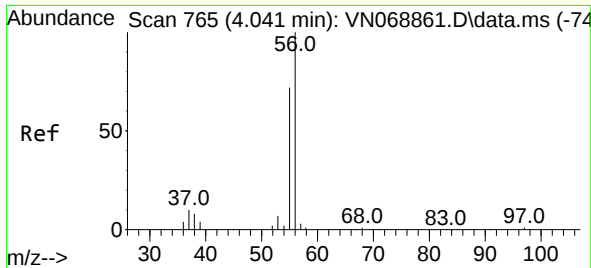
Tgt Ion: 50 Resp: 1138
Ion Ratio Lower Upper
50 100
52 34.1 26.3 39.5



#11
Tert butyl alcohol
Concen: 0.369 ug/l
RT: 5.358 min Scan# 1256
Delta R.T. -0.005 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
57 55.1 8.3 12.5#

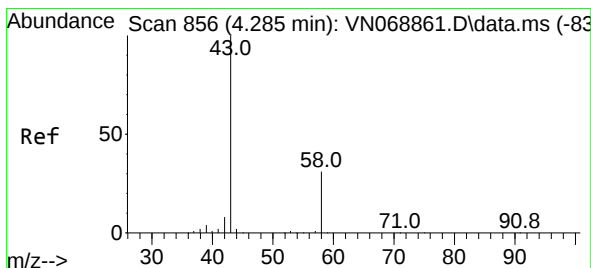
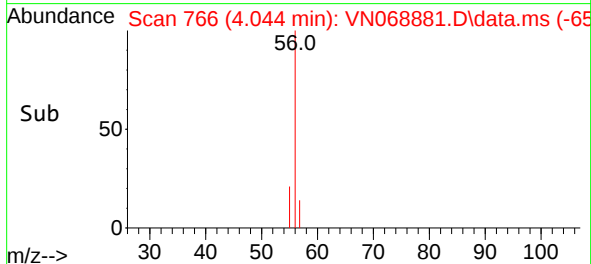
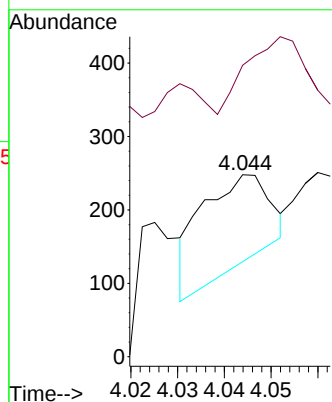
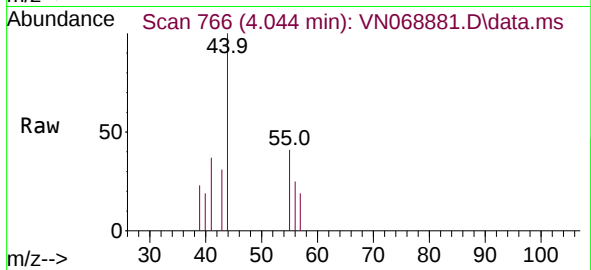




#13
Acrolein
Concen: 0.284 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

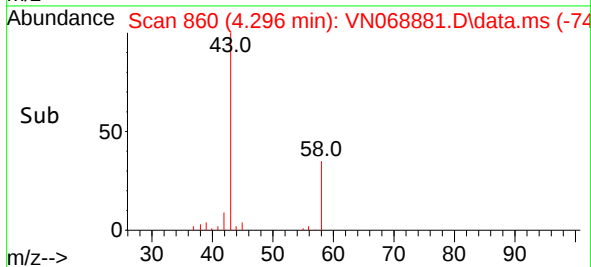
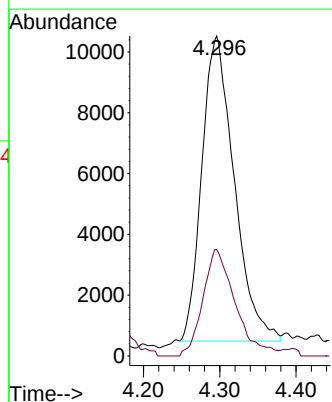
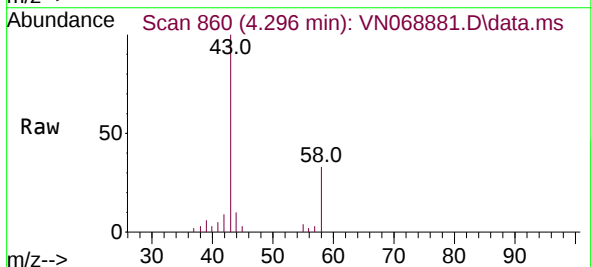
Instrument :
MSVOA_N
ClientSampled :

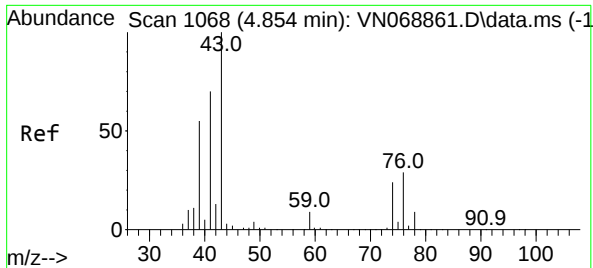
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 127.1 58.1 87.1#



#16
Acetone
Concen: 14.097 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 43 Resp: 29575
Ion Ratio Lower Upper
43 100
58 35.0 24.5 36.7

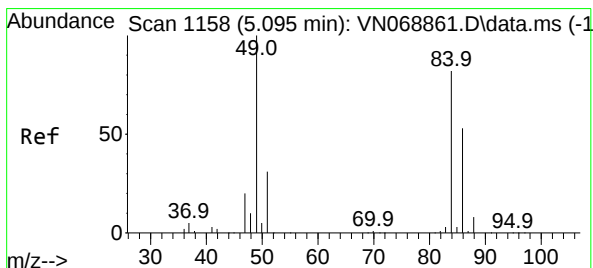
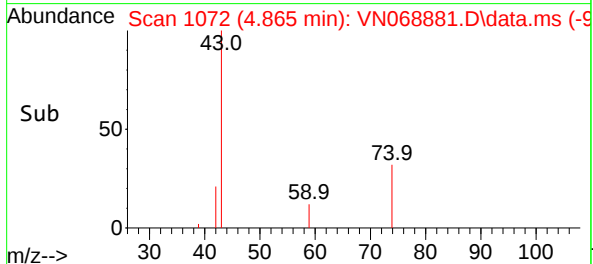
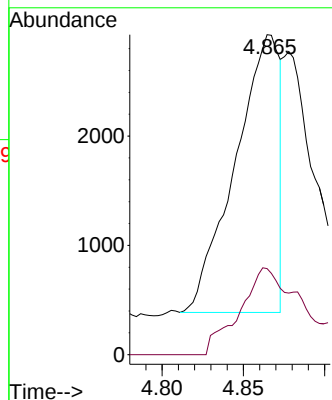
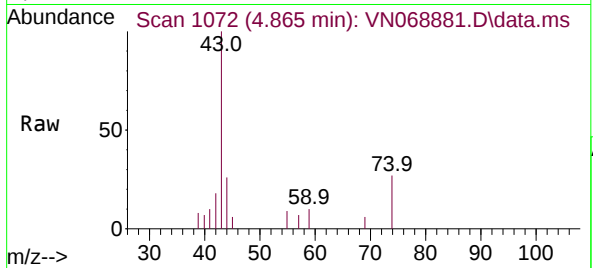




#18
Methyl Acetate
Concen: 0.605 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

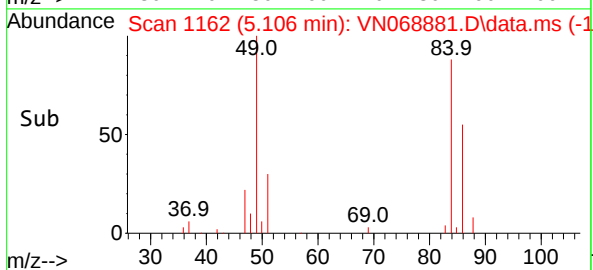
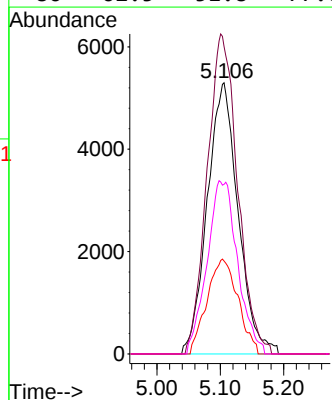
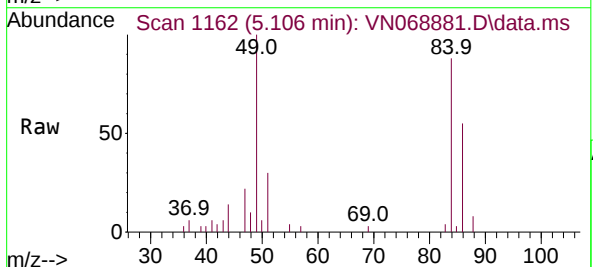
Instrument :
MSVOA_N
ClientSampled :

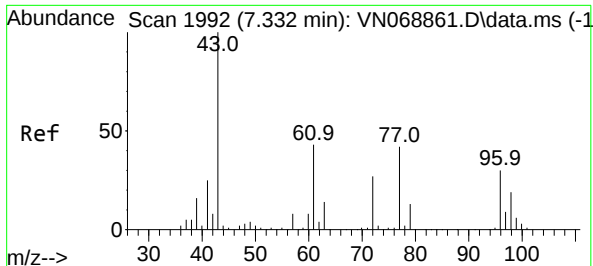
Tgt Ion: 43 Resp: 4818
Ion Ratio Lower Upper
43 100
74 41.9 18.9 28.3#



#20
Methylene Chloride
Concen: 3.714 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.011 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 84 Resp: 17936
Ion Ratio Lower Upper
84 100
49 113.4 97.6 146.4
51 34.3 30.3 45.5
86 62.5 51.8 77.6

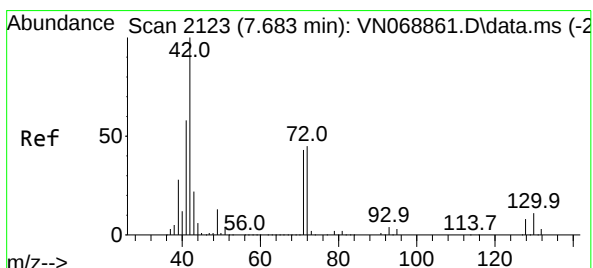
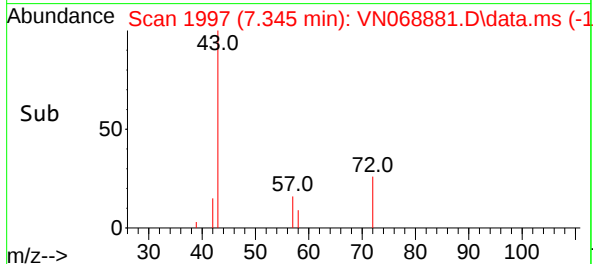
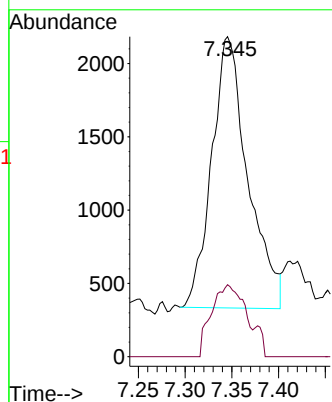
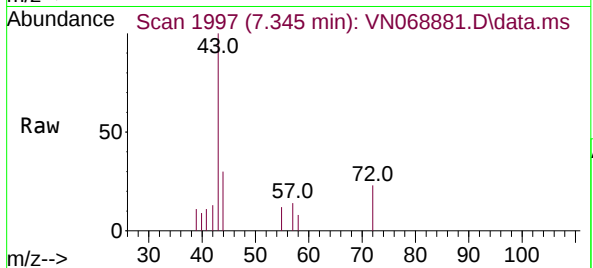




#25
2-Butanone
Concen: 1.571 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

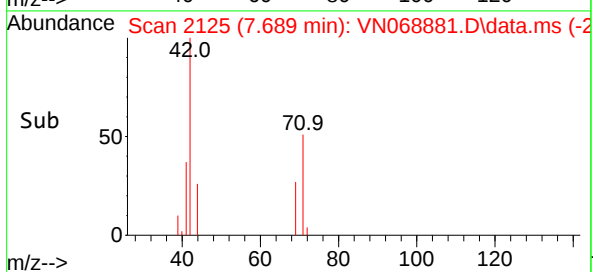
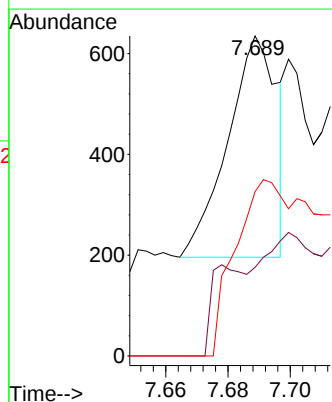
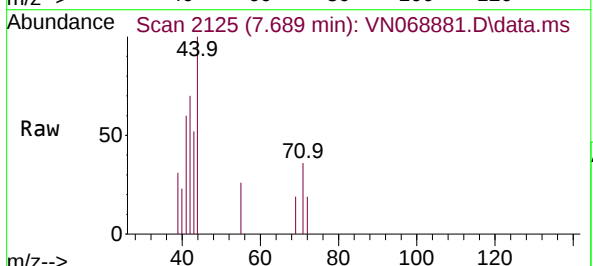
Instrument :
MSVOA_N
ClientSampled :

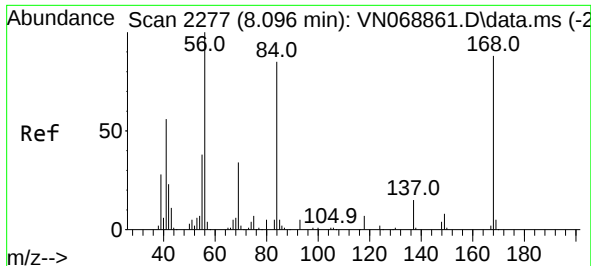
Tgt Ion: 43 Resp: 4983
Ion Ratio Lower Upper
43 100
72 26.7 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.233 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.005 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 21.9 35.4 53.2#
71 159.6 33.8 50.6#

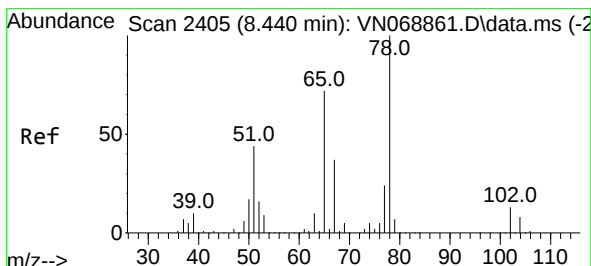
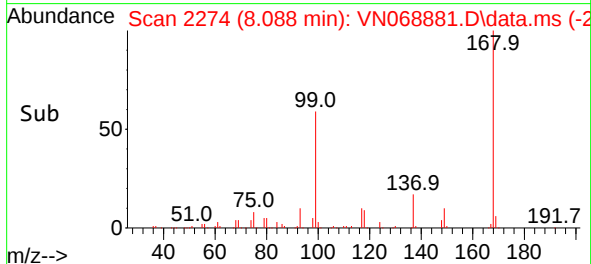
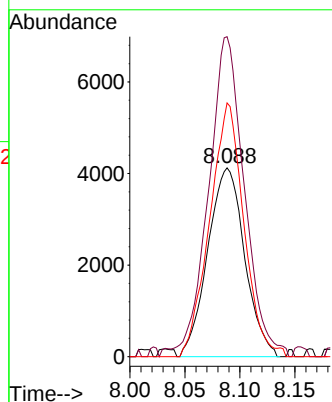
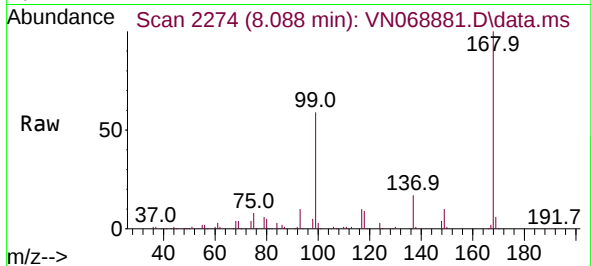




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

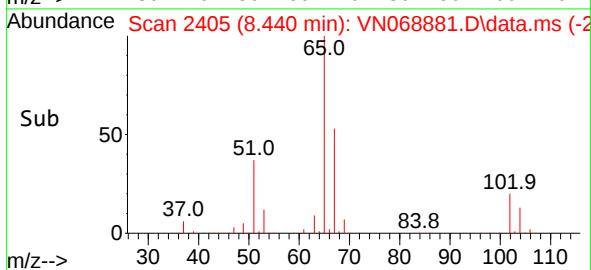
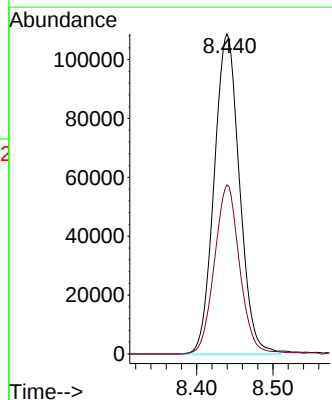
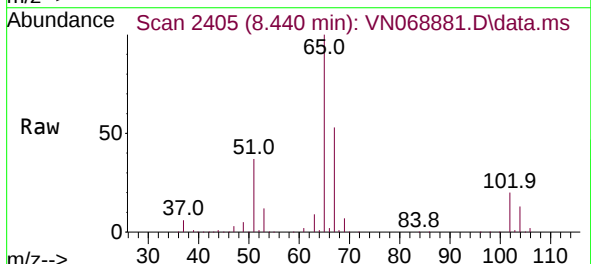
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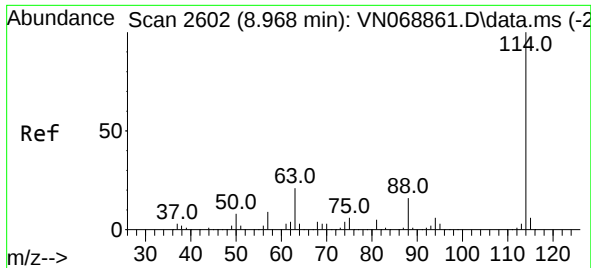
Tgt Ion: 56 Resp: 9610
Ion Ratio Lower Upper
56 100
69 163.6 26.9 40.3#
84 134.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.587 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 65 Resp: 250660
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8

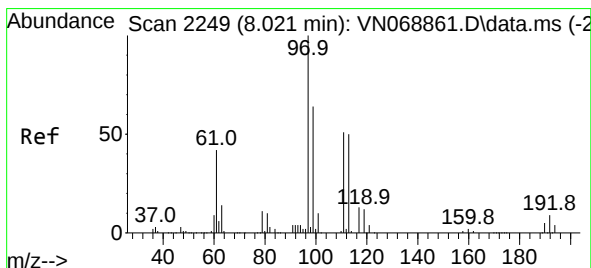
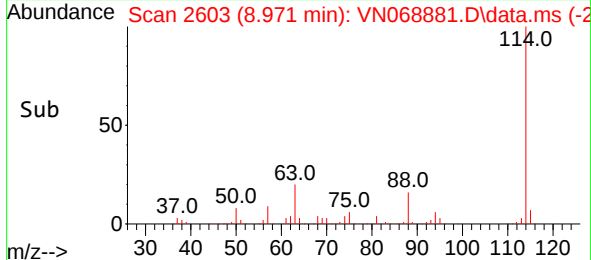
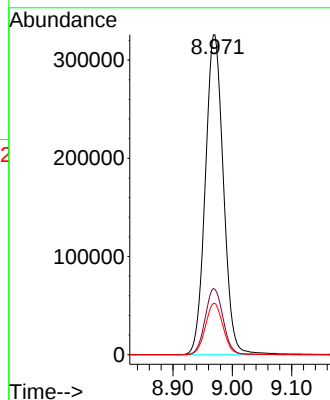
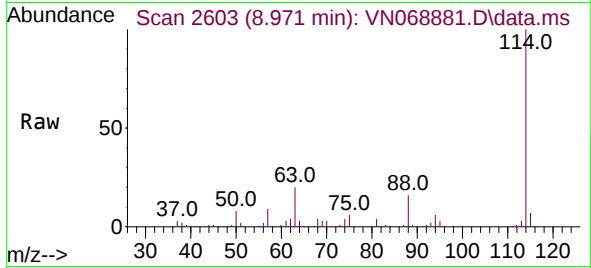




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

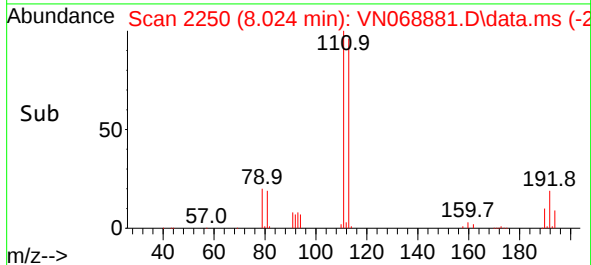
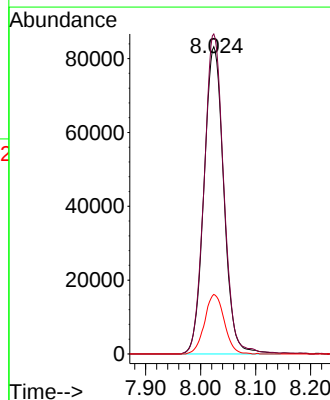
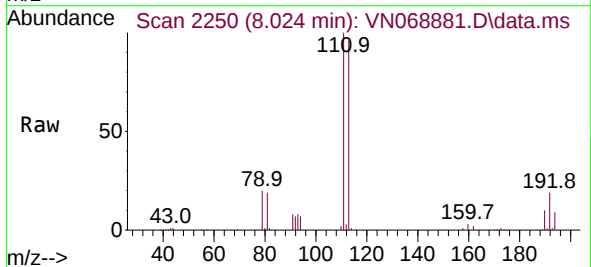
Instrument :
MSVOA_N
ClientSampled :

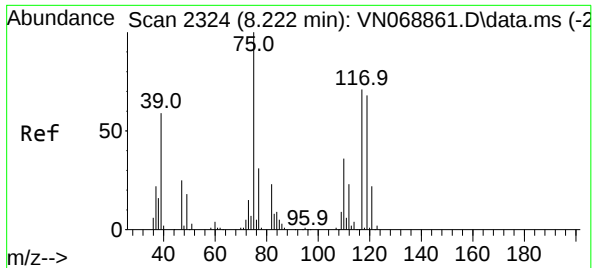
Tgt Ion:114 Resp: 689582
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.816 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion:113 Resp: 207890
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.3 15.0 22.4

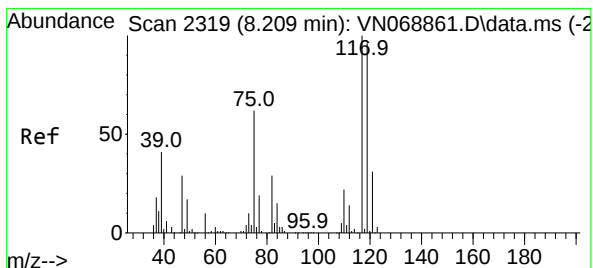
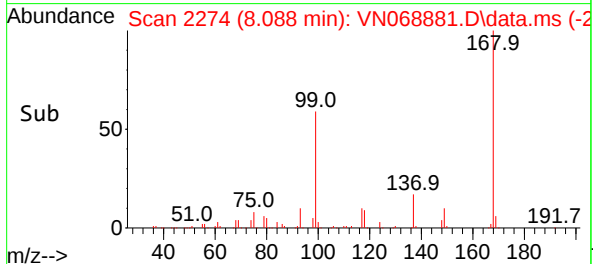
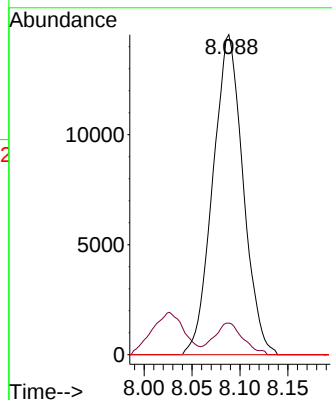
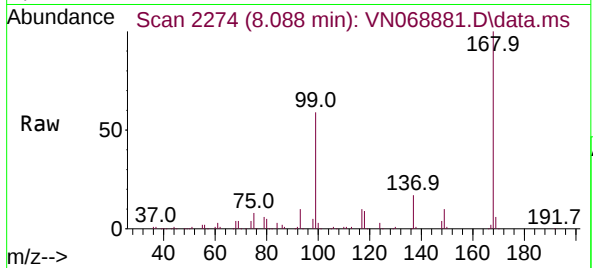




#36
 1,1-Dichloropropene
 Concen: 5.423 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

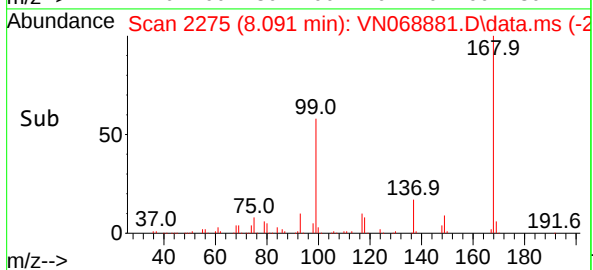
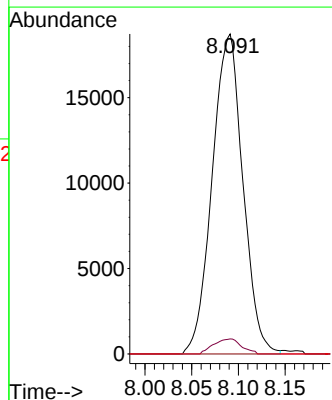
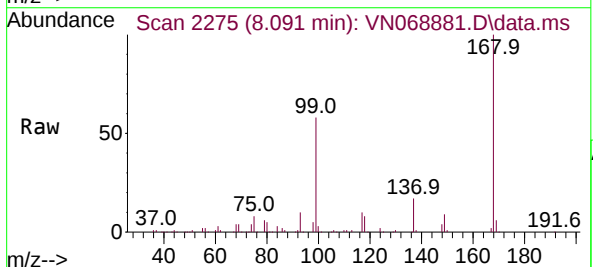
Instrument :
 MSVOA_N
 ClientSampled :

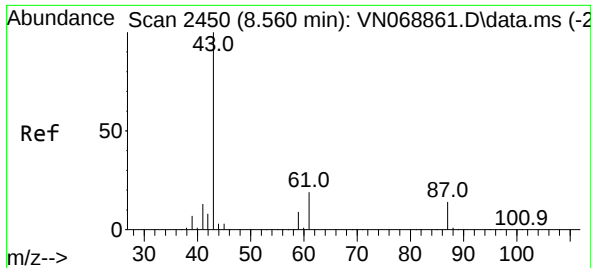
Tgt Ion: 75 Resp: 31945
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.612 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.118 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

Tgt Ion: 117 Resp: 42774
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.9 115.3#
 121 0.0 24.6 37.0#

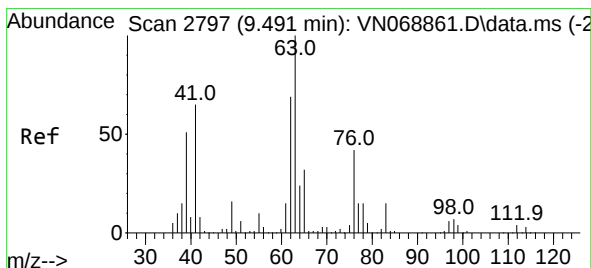
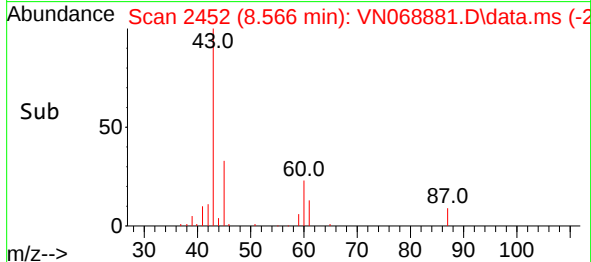
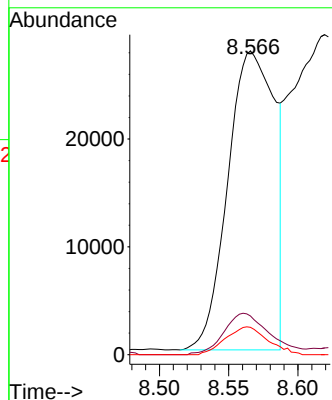
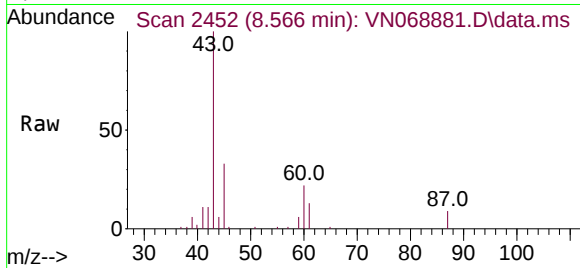




#43
Isopropyl Acetate
Concen: 6.119 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

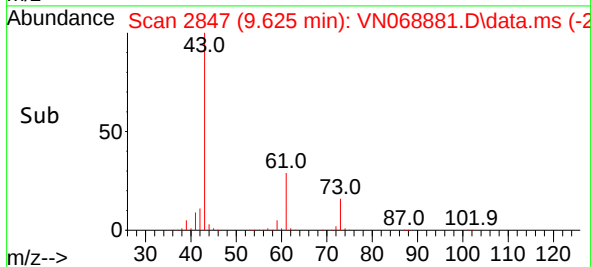
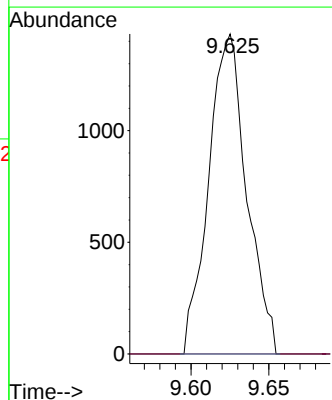
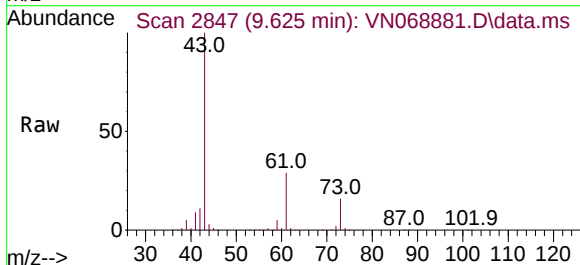
Instrument :
MSVOA_N
ClientSampled :

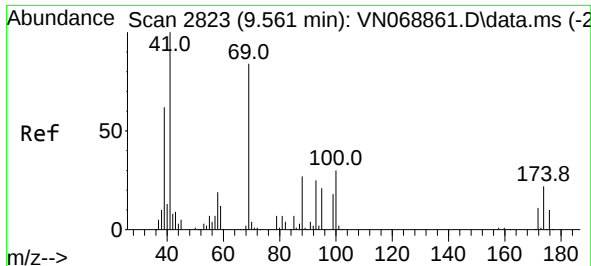
Tgt Ion: 43 Resp: 65673
Ion Ratio Lower Upper
43 100
61 13.5 20.4 30.6#
87 8.3 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.523 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 63 Resp: 2436
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

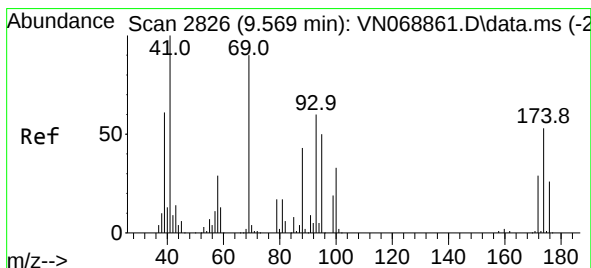
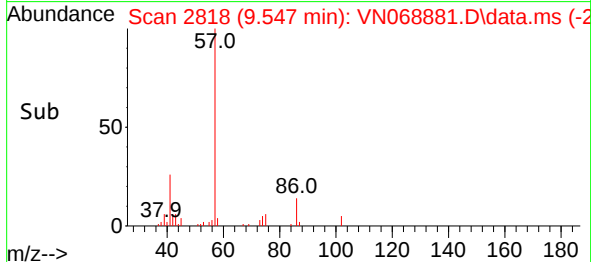
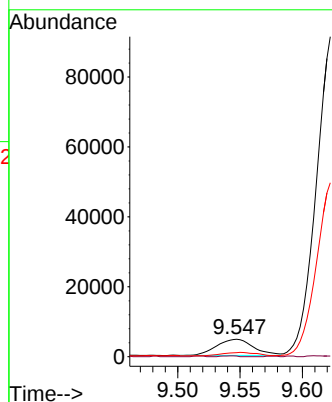
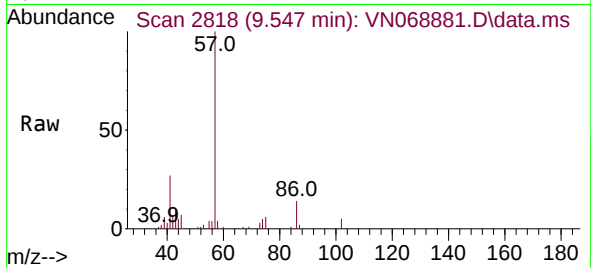




#48
Methyl methacrylate
Concen: 1.911 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

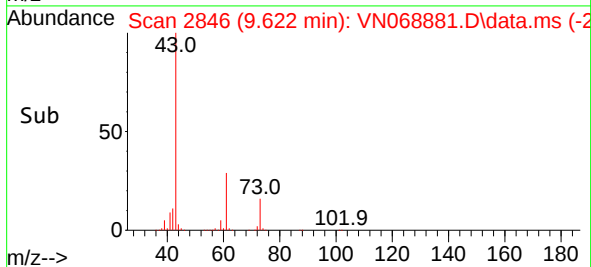
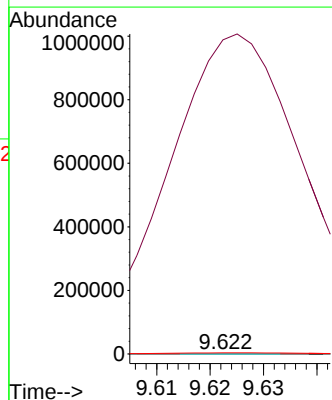
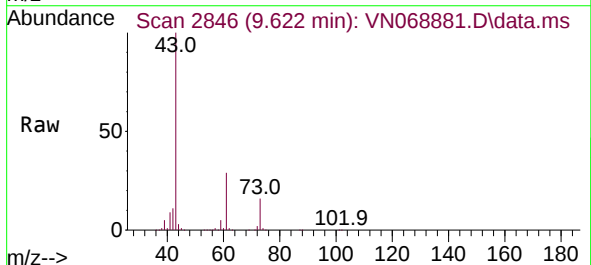
Instrument :
MSVOA_N
ClientSampled :

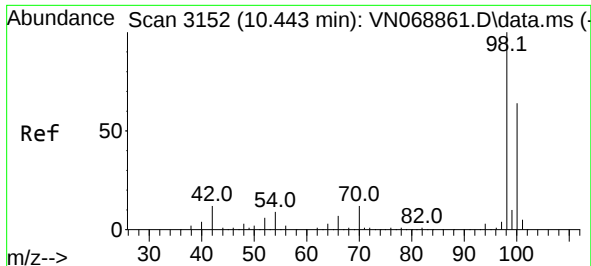
Tgt Ion: 41 Resp: 9636
Ion Ratio Lower Upper
41 100
69 2.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.625 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 1902782.2 24.9 37.3#
58 7012.9 56.9 85.3#

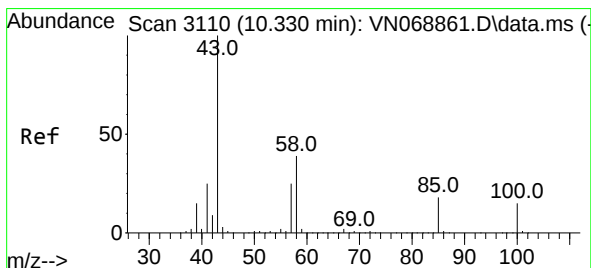
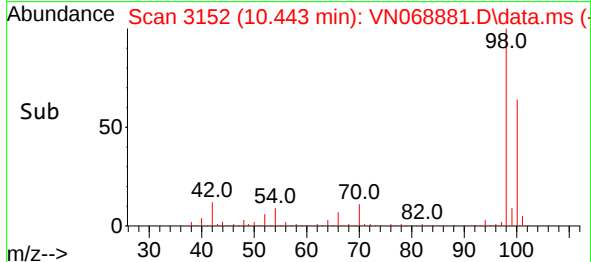
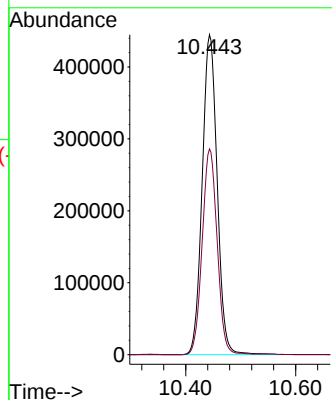
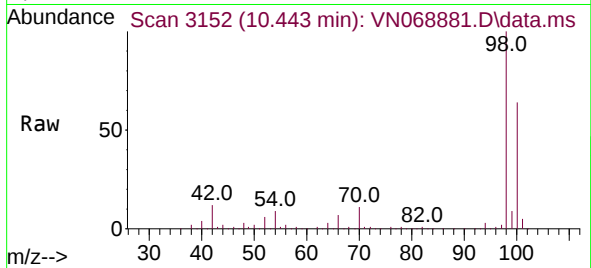




#50
Toluene-d8
Concen: 52.349 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

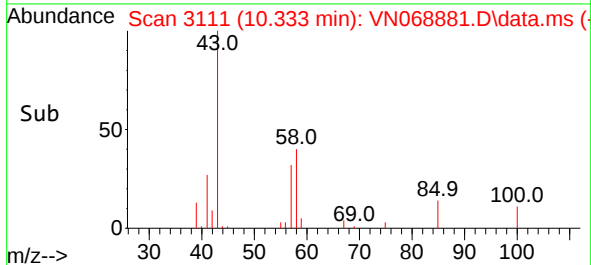
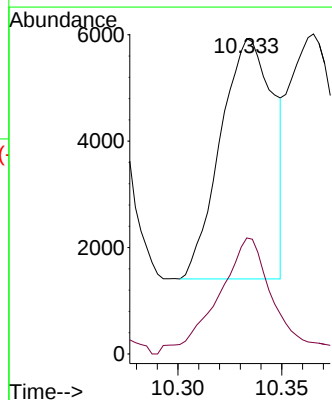
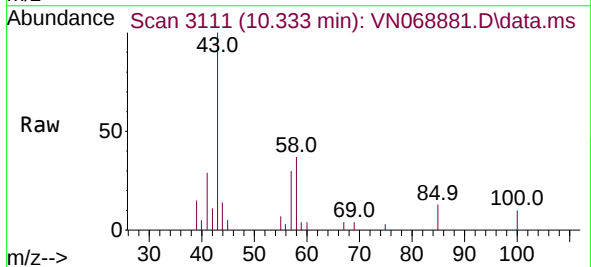
Instrument :
MSVOA_N
ClientSampled :

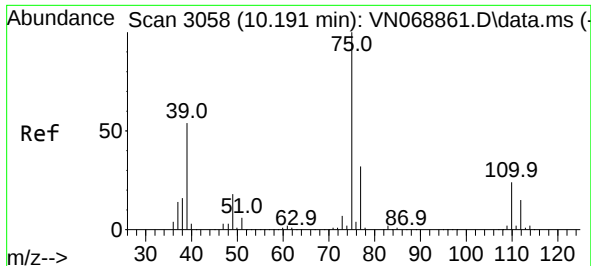
Tgt Ion: 98 Resp: 840346
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.289 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
58 50.3 31.0 46.4#

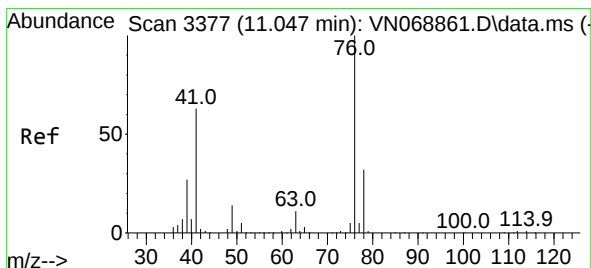
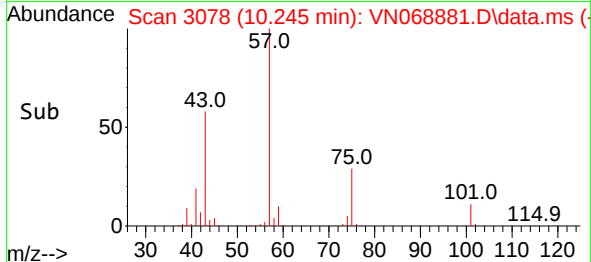
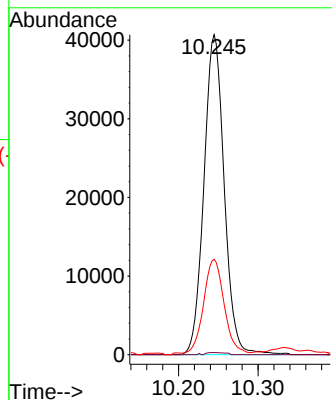
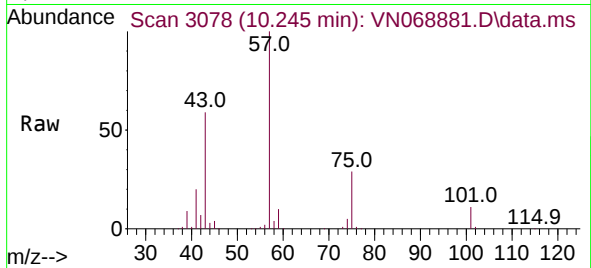




#54
 cis-1,3-Dichloropropene
 Concen: 9.290 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

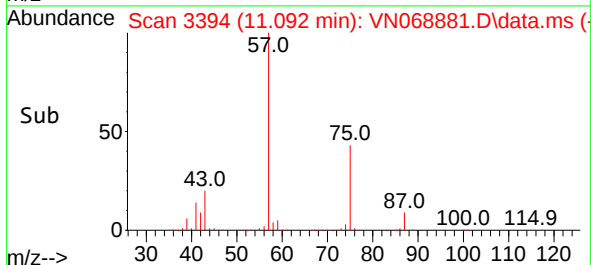
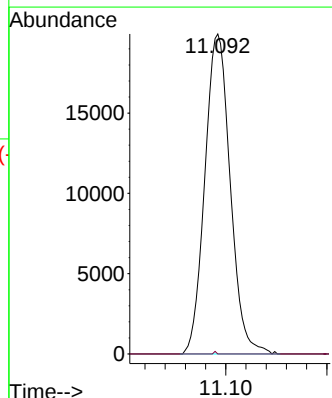
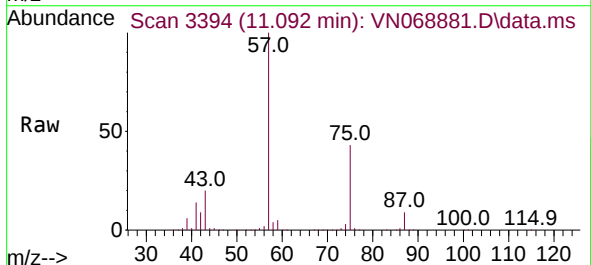
Instrument :
 MSVOA_N
 ClientSampled :

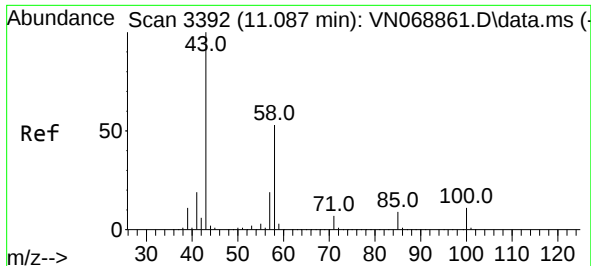
Tgt Ion: 75 Resp: 72082
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.6 38.4#
 39 29.3 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.642 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

Tgt Ion: 76 Resp: 34823
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.8 38.8#

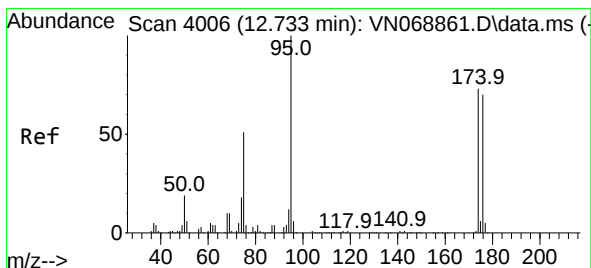
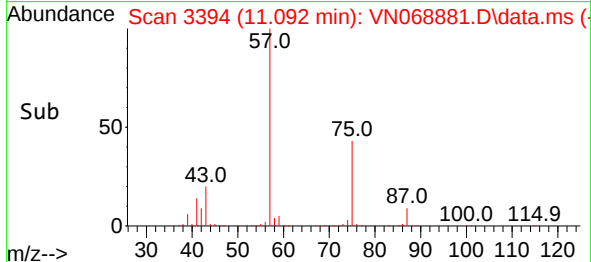
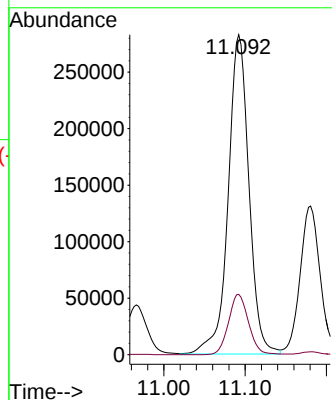
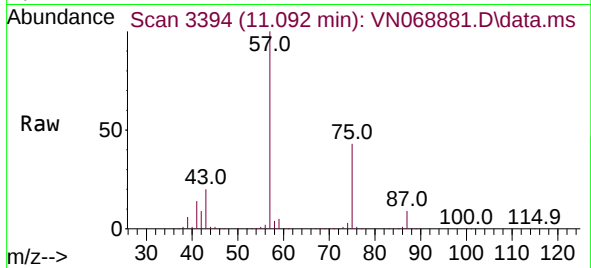




#59
2-Hexanone
Concen: 112.584 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

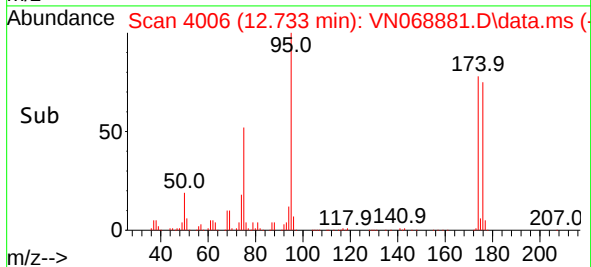
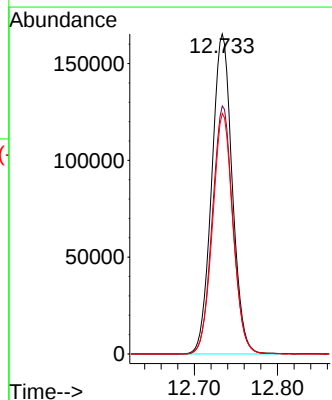
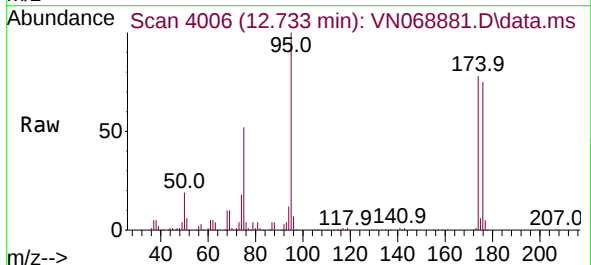
Instrument :
MSVOA_N
ClientSampled :

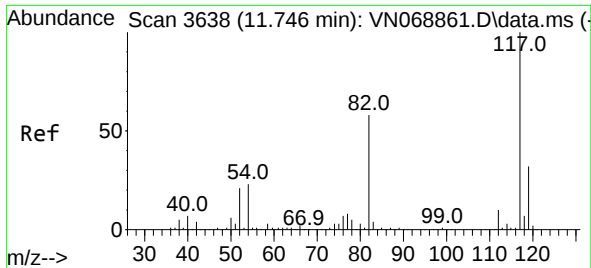
Tgt Ion: 43 Resp: 502482
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.743 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion: 95 Resp: 283103
Ion Ratio Lower Upper
95 100
174 77.8 0.0 144.8
176 74.9 0.0 140.0

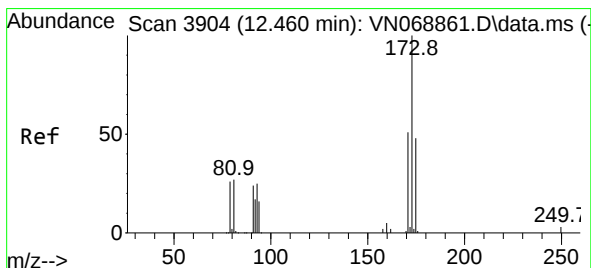
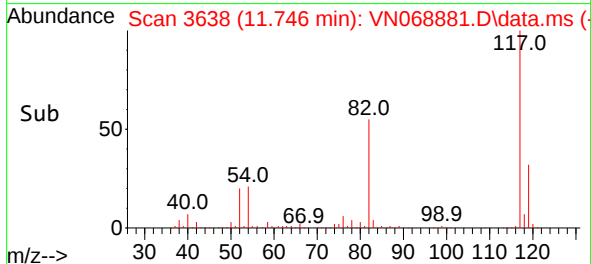
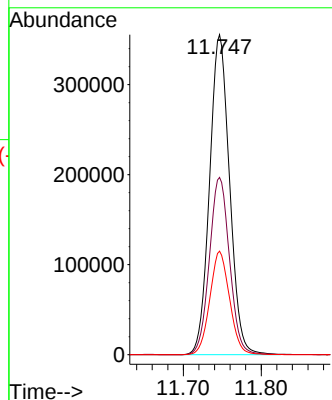
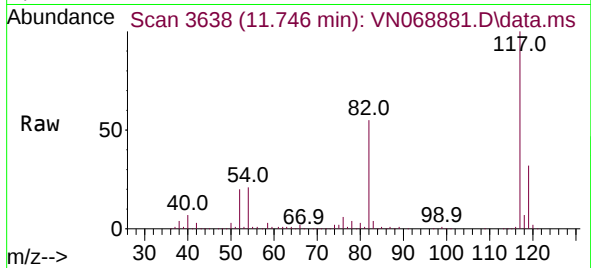




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

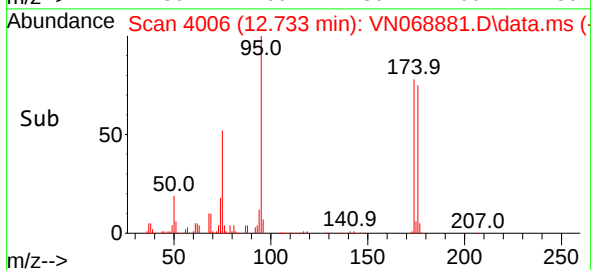
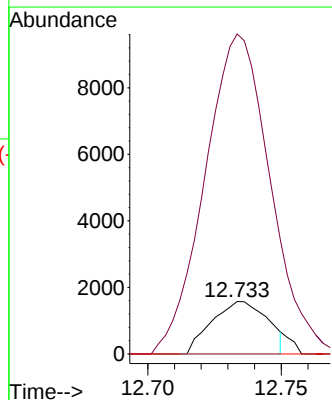
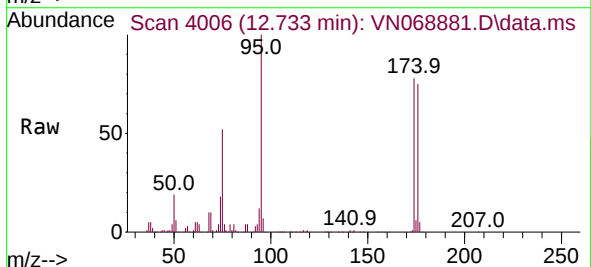
Instrument :
MSVOA_N
ClientSampled :

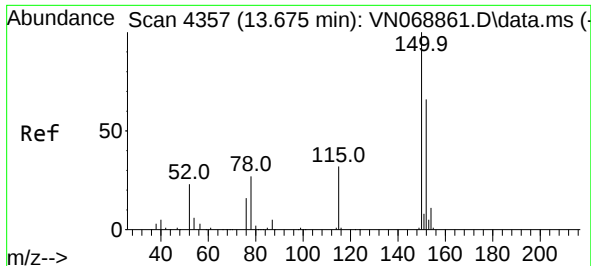
Tgt Ion:117 Resp: 633557
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 32.4 26.0 39.0



#71
Bromoform
Concen: 0.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

Tgt Ion:173 Resp: 2294
Ion Ratio Lower Upper
173 100
175 662.6 23.8 71.5#
254 0.0 0.0 0.0

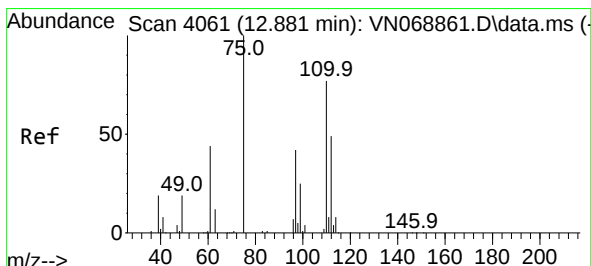
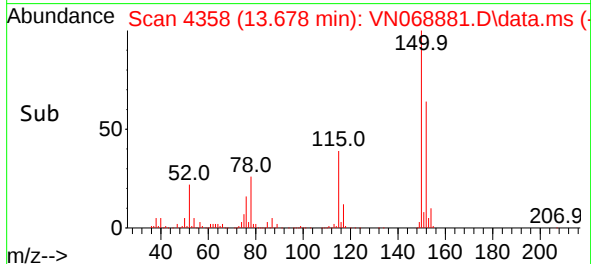
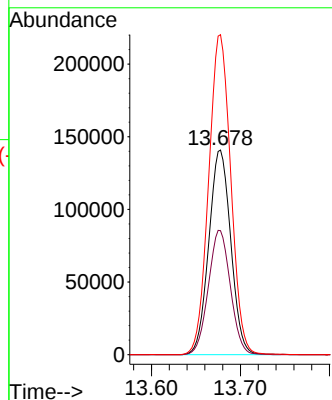
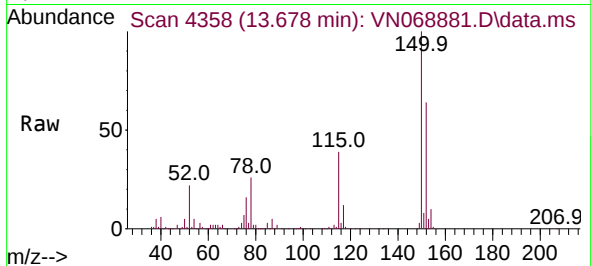




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

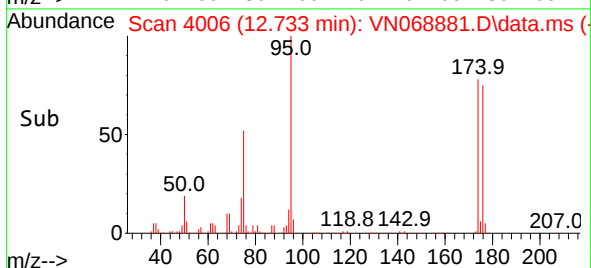
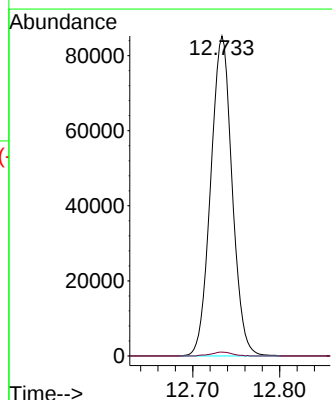
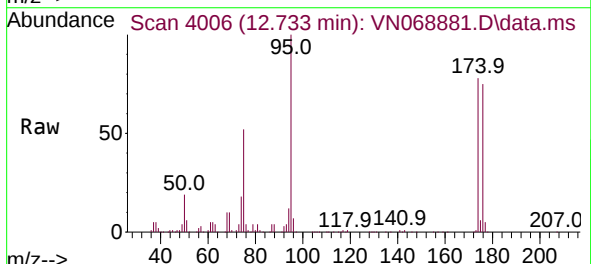
Instrument :
 MSVOA_N
 ClientSampled :

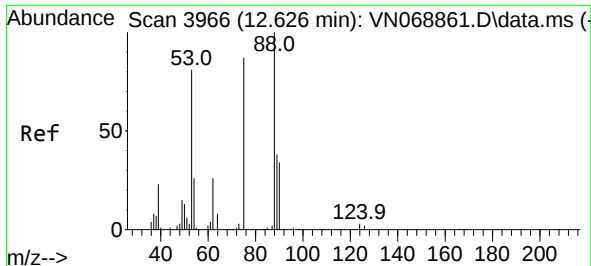
Tgt Ion:152 Resp: 241664
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.4 94.3
 150 157.4 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.348 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

Tgt Ion: 75 Resp: 145763
 Ion Ratio Lower Upper
 75 100
 77 1.2 96.2 288.4#

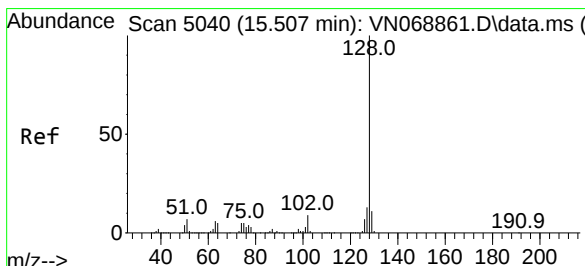
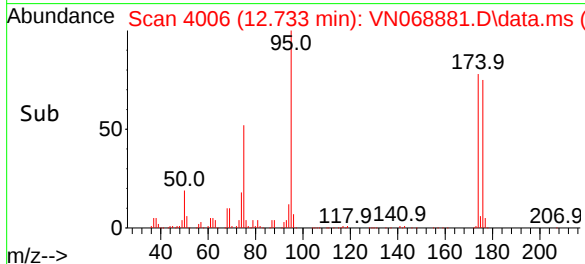
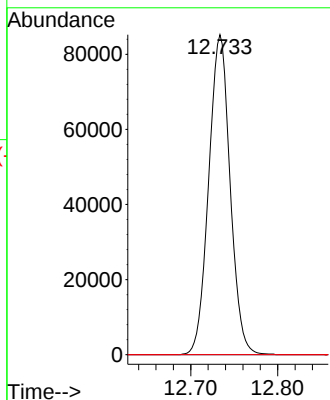
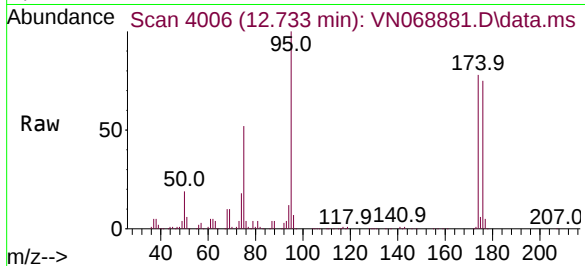




#81
trans-1,4-Dichloro-2-butene
Concen: 67.821 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

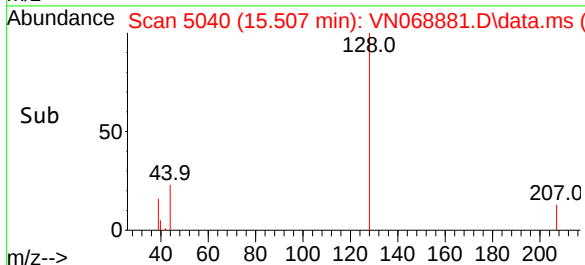
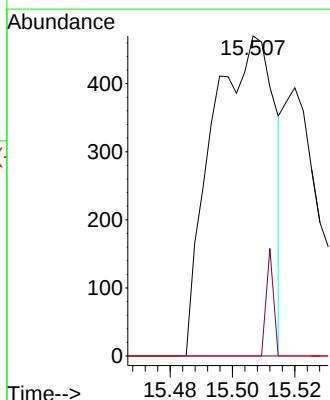
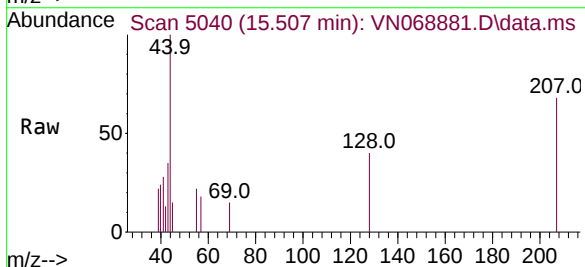
Instrument :
MSVOA_N
ClientSampleId :

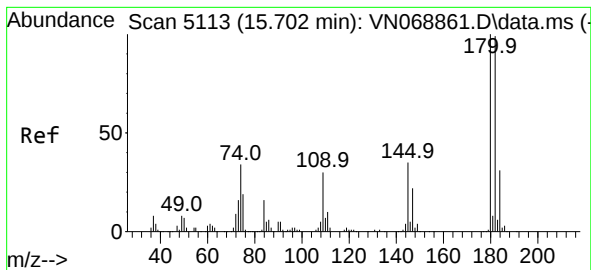
Tgt Ion: 75 Resp: 145763
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.865 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068881.D
Acq: 12 Oct 2021 23:37

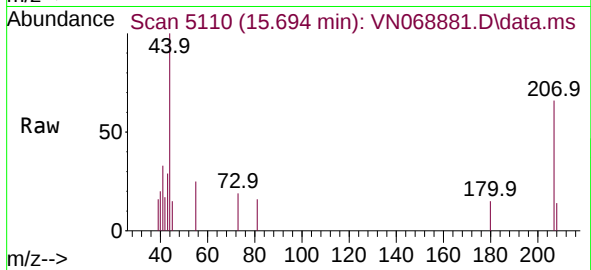
Tgt Ion:128 Resp: 653
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.527 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.008 min
 Lab File: VN068881.D
 Acq: 12 Oct 2021 23:37

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 55
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.3#
 145 0.0 17.4 52.2#

