

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080492.D
 Acq On : 14 Dec 2023 19:01
 Operator : JC\MD
 Sample : PB157758TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:32:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

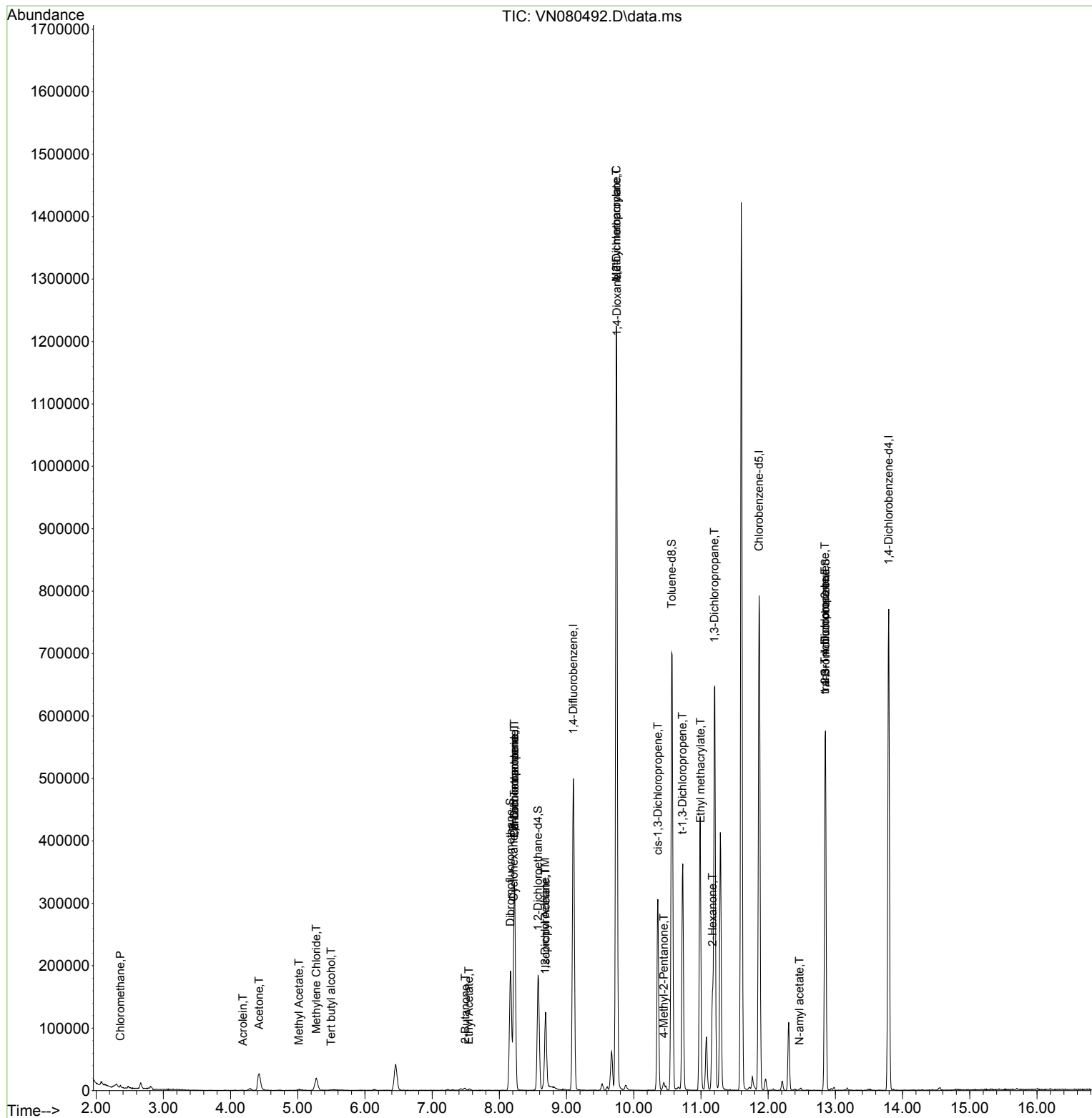
Internal Standards						
1) Pentafluorobenzene	8.224	168	233318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	424792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	458048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161823	54.303	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.600%			
35) Dibromofluoromethane	8.165	113	132118	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%			
50) Toluene-d8	10.565	98	494052	49.185	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.853	95	205746	53.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3122	0.602	ug/l #	88
11) Tert butyl alcohol	5.494	59	633	1.804	ug/l #	70
13) Acrolein	4.183	56	509	1.324	ug/l #	32
16) Acetone	4.424	43	52261	98.906	ug/l	92
18) Methyl Acetate	5.018	43	3588	1.055	ug/l #	71
20) Methylene Chloride	5.277	84	16480	5.828	ug/l	95
25) 2-Butanone	7.494	43	5640	5.541	ug/l	99
31) Cyclohexane	8.212	56	4906	1.211	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	19187	4.357	ug/l #	49
37) Ethyl Acetate	7.547	43	3199	1.160	ug/l #	75
38) Carbon Tetrachloride	8.224	117	25634	4.871	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1009	0.214	ug/l #	73
43) Isopropyl Acetate	8.688	43	137394	27.710	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1632	0.546	ug/l #	45
48) Methyl methacrylate	9.741	41	110813	37.450	ug/l #	28
49) 1,4-Dioxane	9.747	88	64	1.427	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11480	4.204	ug/l #	73
53) t-1,3-Dichloropropene	10.724	75	1002	0.201	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	58603	11.024	ug/l #	63
56) Ethyl methacrylate	10.994	69	1905	0.595	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7391	1.459	ug/l #	42
59) 2-Hexanone	11.171	43	114800	56.945	ug/l #	19
74) N-amyl acetate	12.465	43	1199	0.246	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	112748	27.237	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112748	71.514	ug/l #	15

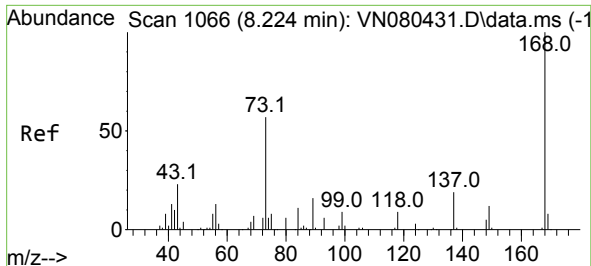
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
Data File : VN080492.D
Acq On : 14 Dec 2023 19:01
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Sample : PB157758TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

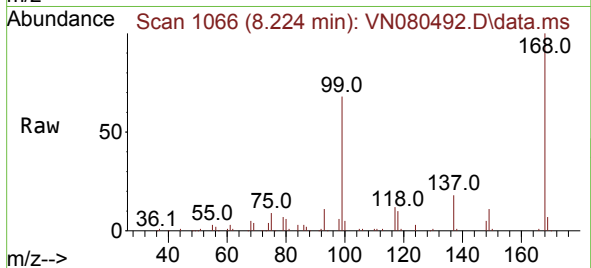
Quant Time: Dec 15 00:32:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



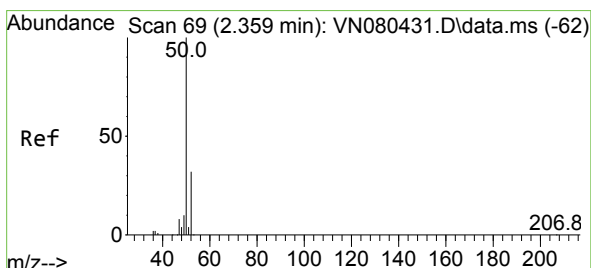
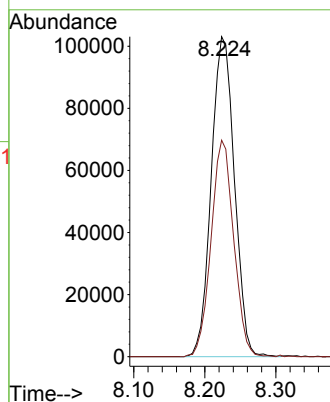
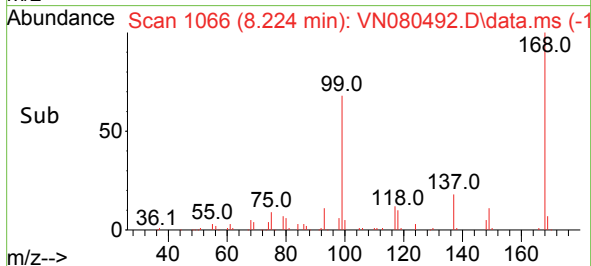


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

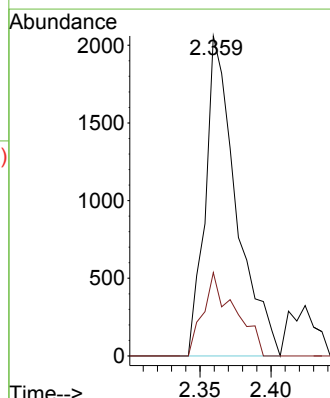
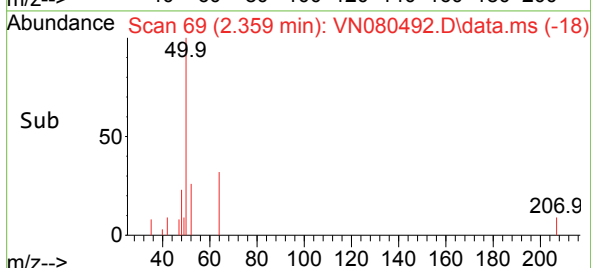
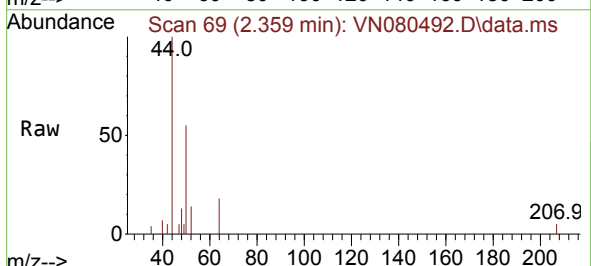


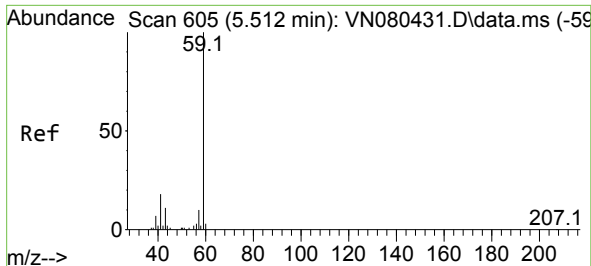
Tgt Ion:168 Resp: 233318
Ion Ratio Lower Upper
168 100
99 67.7 53.0 79.6



#3
Chloromethane
Concen: 0.602 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

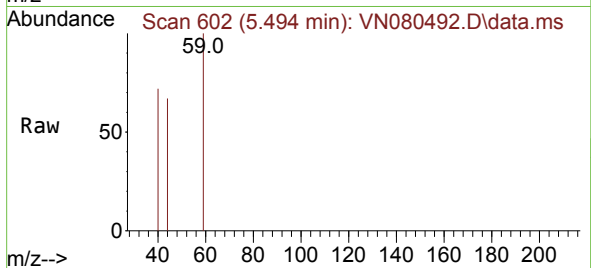
Tgt Ion: 50 Resp: 3122
Ion Ratio Lower Upper
50 100
52 26.1 26.5 39.7#



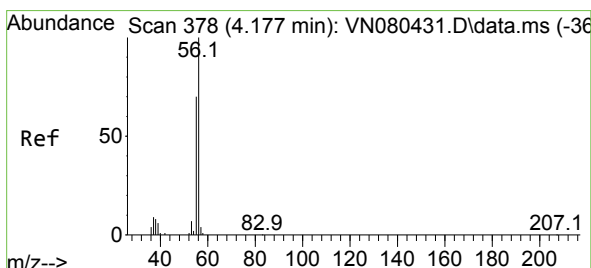
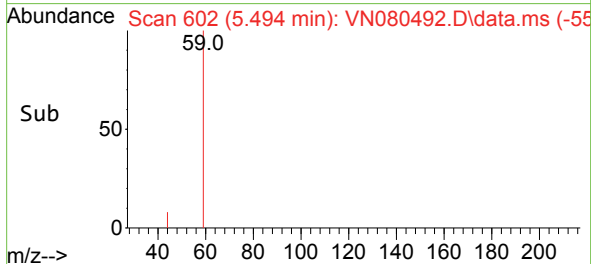
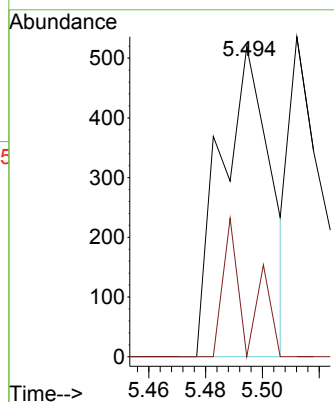


#11
Tert butyl alcohol
Concen: 1.804 ug/l
RT: 5.494 min Scan# 605
Delta R.T. -0.017 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

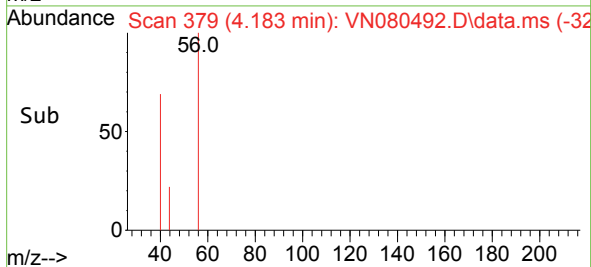
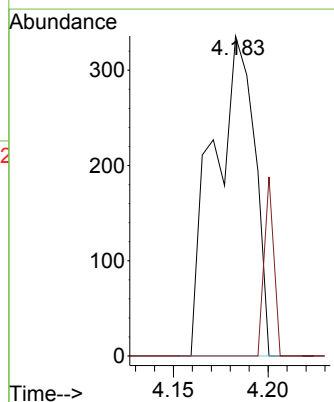
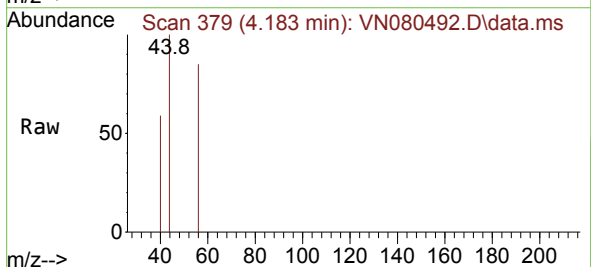


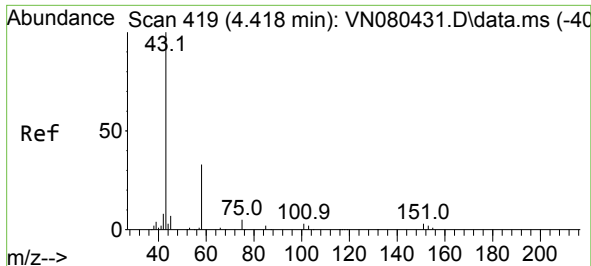
Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 21.5 8.2 12.4#



#13
Acrolein
Concen: 1.324 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 56 Resp: 509
Ion Ratio Lower Upper
56 100
55 13.0 54.5 81.7#

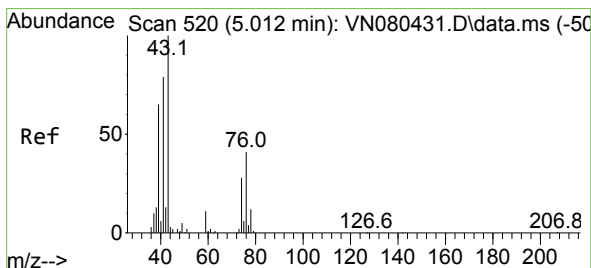
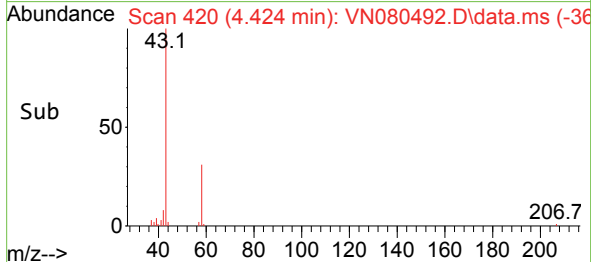
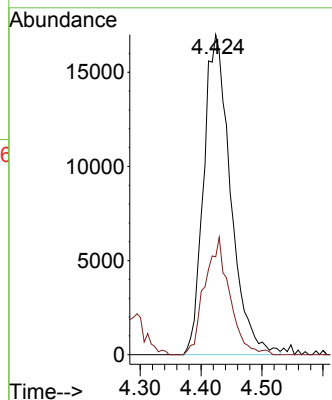
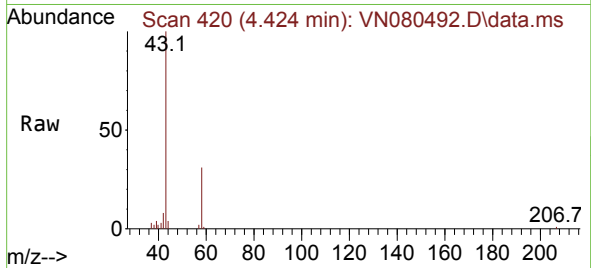




#16
Acetone
Concen: 98.906 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

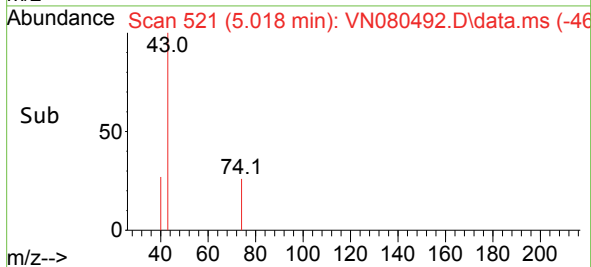
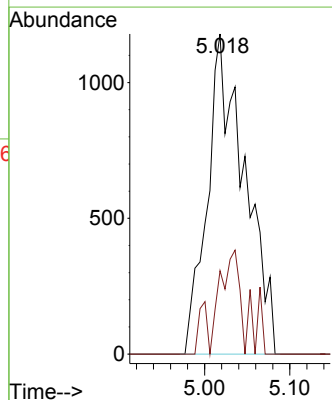
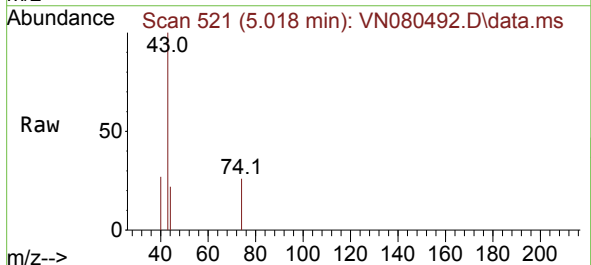
Instrument :
MSVOA_N
ClientSampleId :

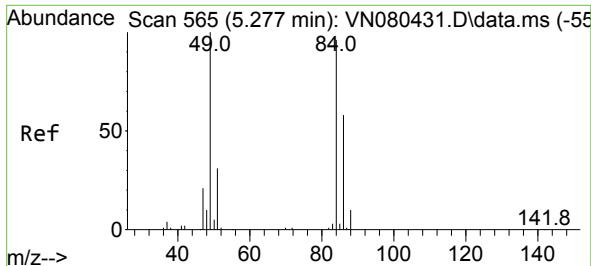
Tgt Ion: 43 Resp: 52261
Ion Ratio Lower Upper
43 100
58 30.6 28.0 42.0



#18
Methyl Acetate
Concen: 1.055 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

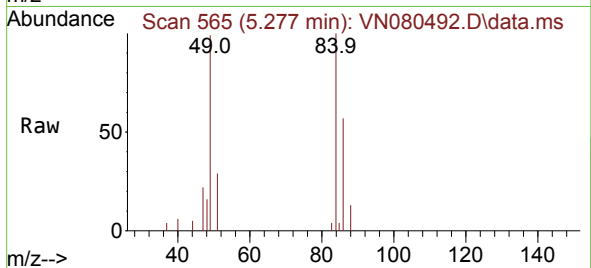
Tgt Ion: 43 Resp: 3588
Ion Ratio Lower Upper
43 100
74 16.5 26.2 39.4#



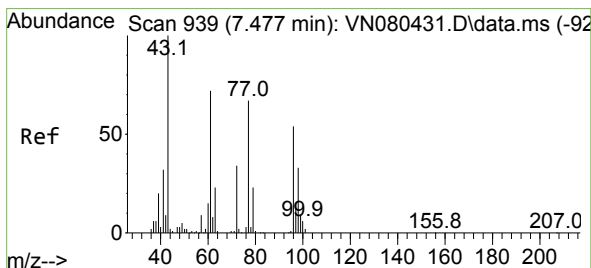
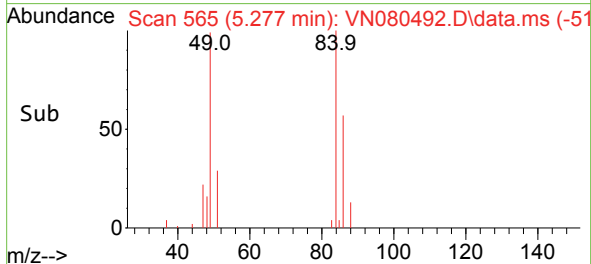
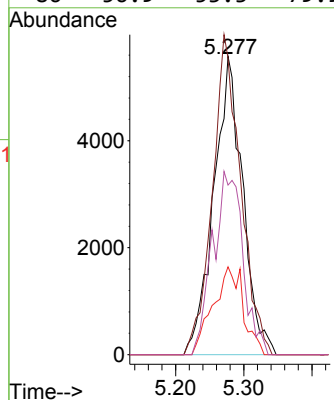


#20
Methylene Chloride
Concen: 5.828 ug/l
RT: 5.277 min Scan# 501
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

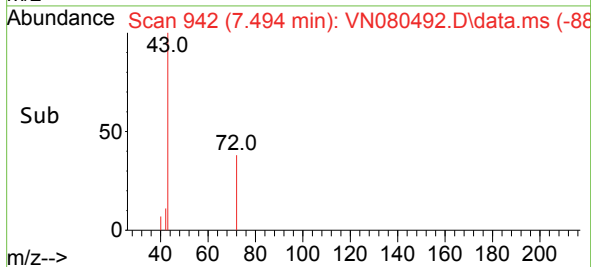
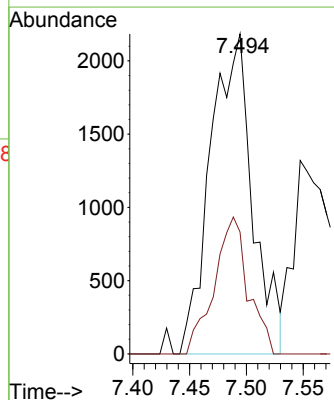
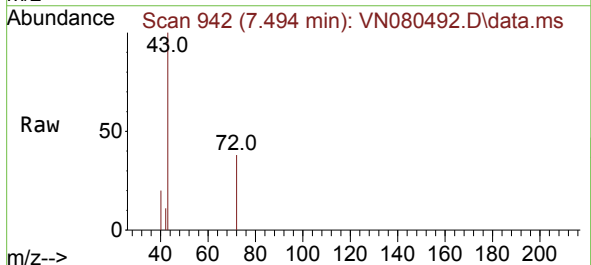


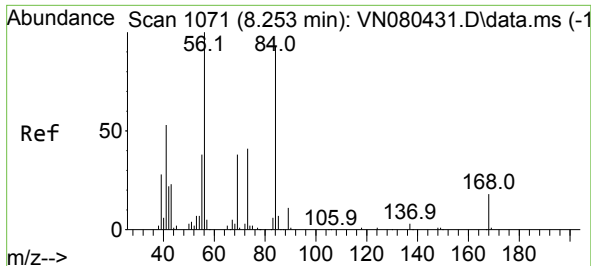
Tgt Ion: 84	Resp: 16480
Ion Ratio	Lower Upper
84 100	
49 99.4	79.7 119.5
51 29.4	25.2 37.8
86 56.9	53.3 79.9



#25
2-Butanone
Concen: 5.541 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

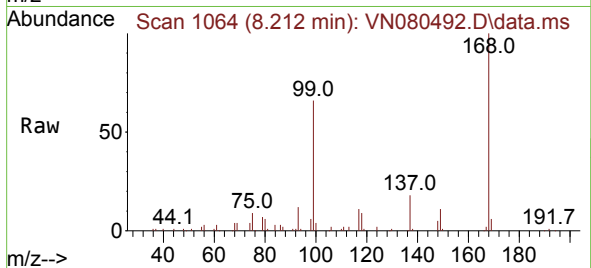
Tgt Ion: 43	Resp: 5640		
Ion Ratio	Lower	Upper	
43 100			
72 38.1	30.2	45.2	



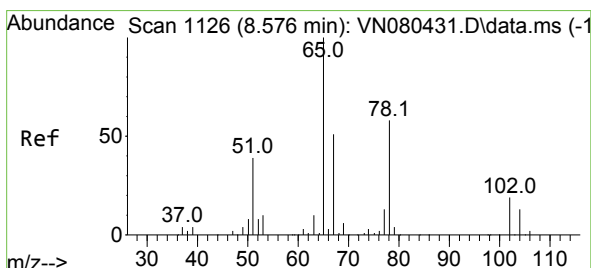
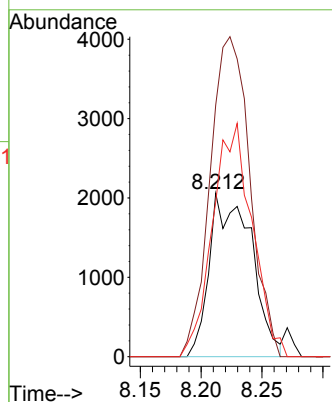
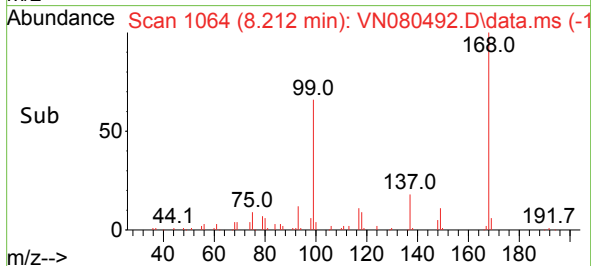


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

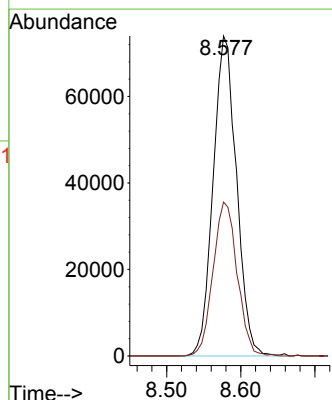
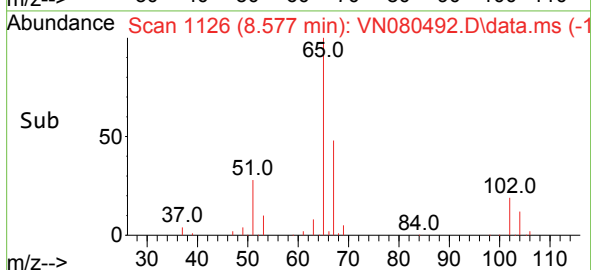
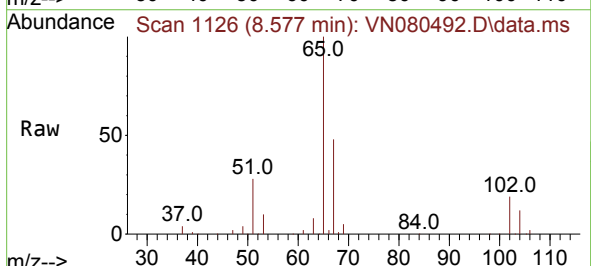


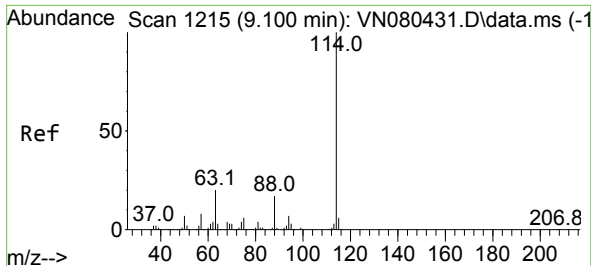
Tgt Ion: 56 Resp: 4906
Ion Ratio Lower Upper
56 100
69 154.2 26.8 40.2#
84 94.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.303 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

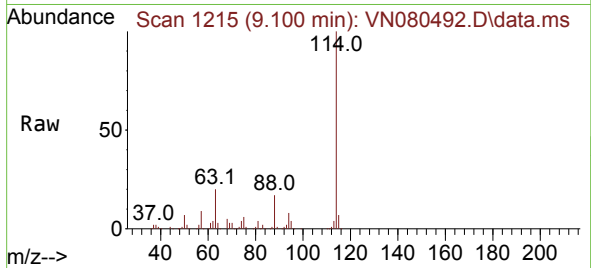
Tgt Ion: 65 Resp: 161823
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.6



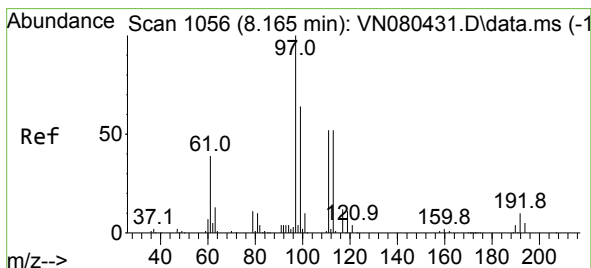
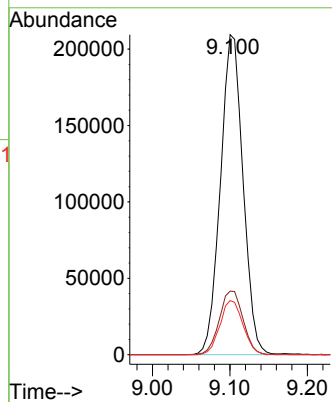
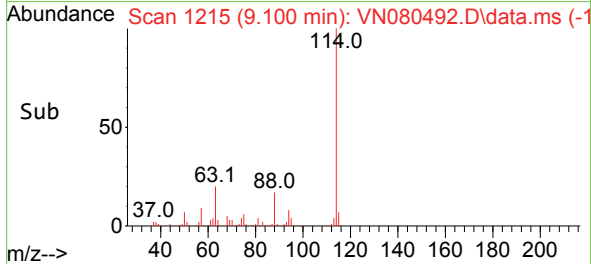


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

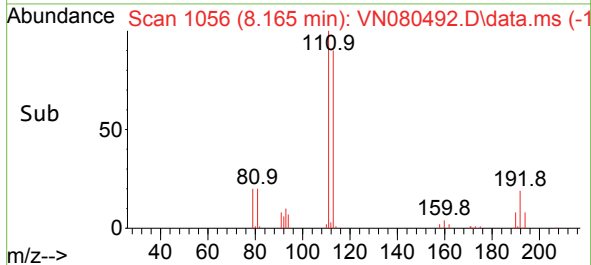
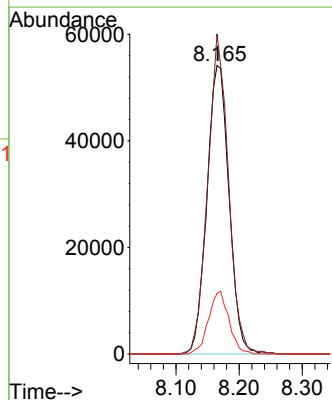
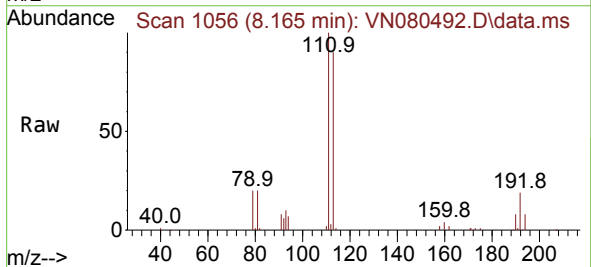


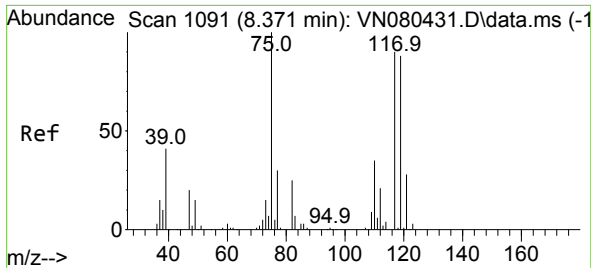
Tgt Ion:114 Resp: 424792
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.4
88 16.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.053 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

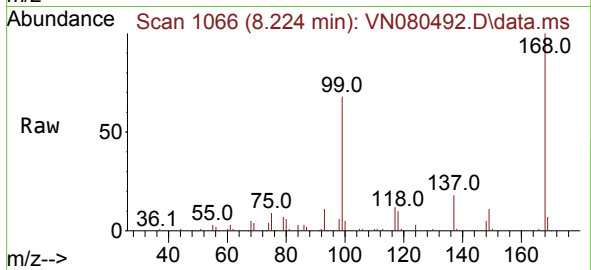
Tgt Ion:113 Resp: 132118
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 20.0 12.7 19.1#



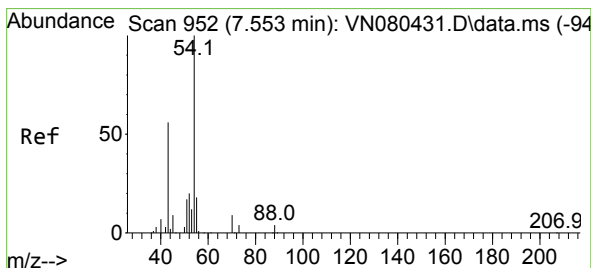
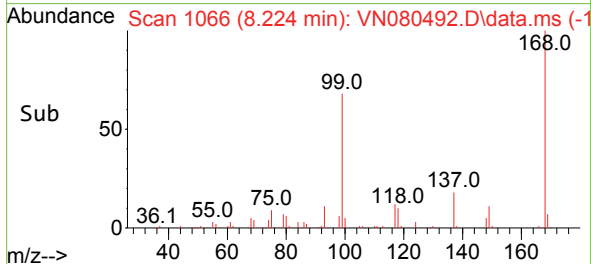
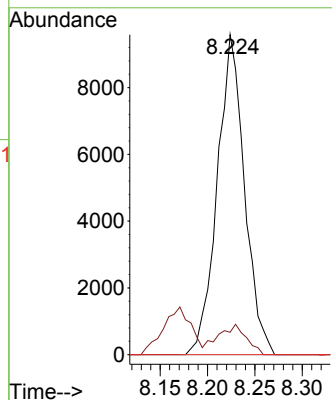


#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

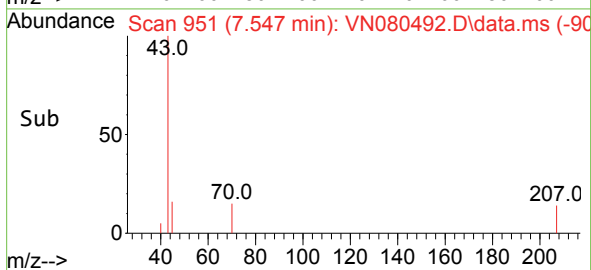
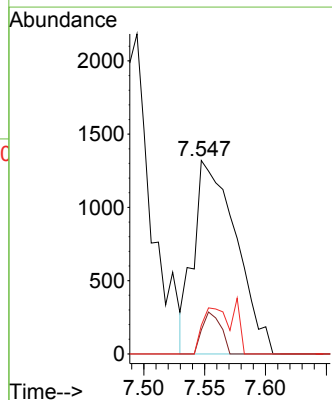
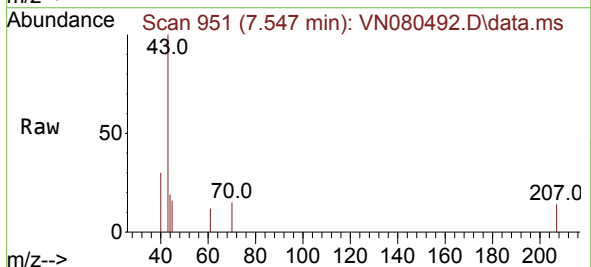


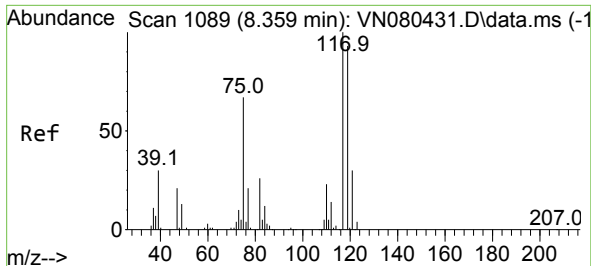
Tgt Ion: 75 Resp: 19187
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.160 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

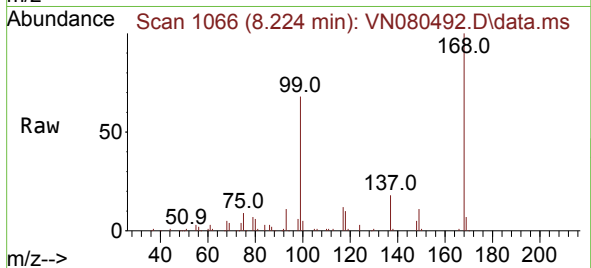
Tgt Ion: 43 Resp: 3199
Ion Ratio Lower Upper
43 100
61 9.5 13.2 19.8#
70 0.0 11.3 16.9#



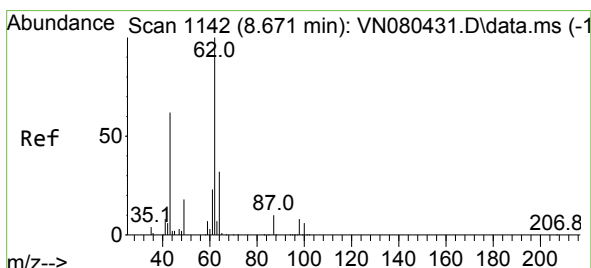
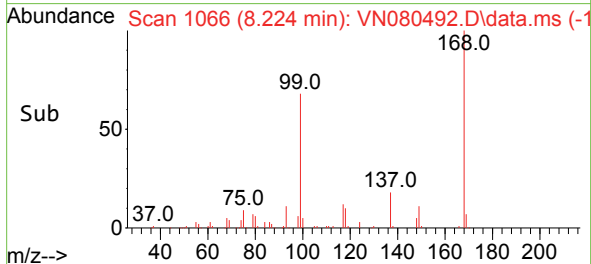
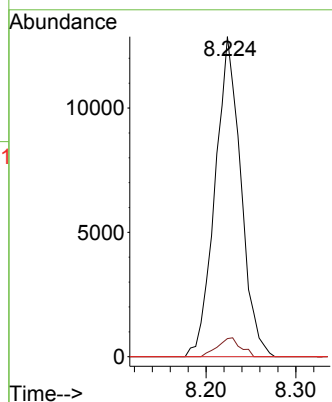


#38
Carbon Tetrachloride
Concen: 4.871 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

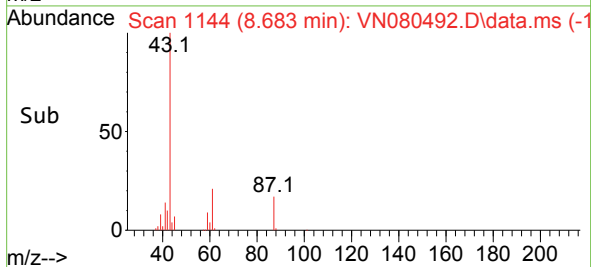
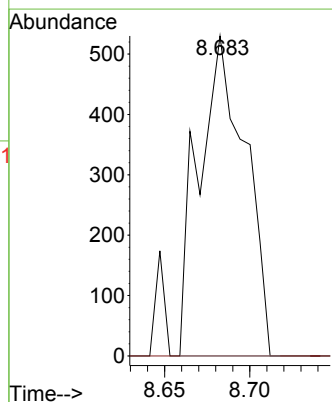
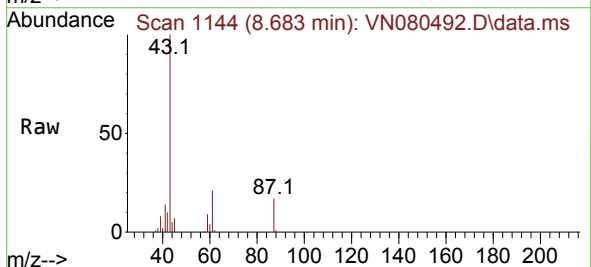


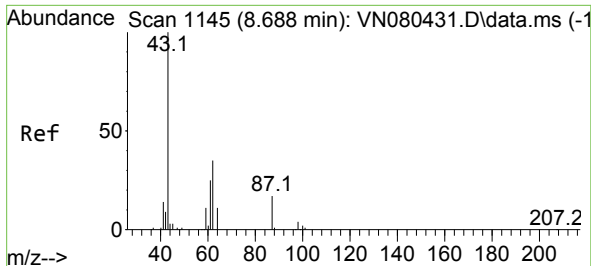
Tgt Ion:117 Resp: 25634
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

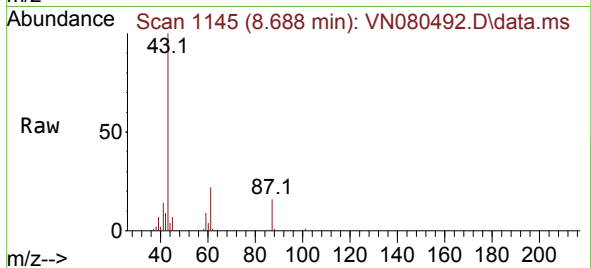
Tgt Ion: 62 Resp: 1009
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



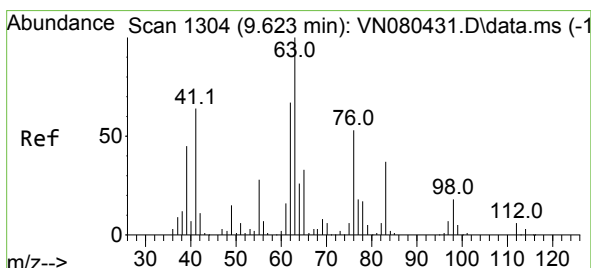
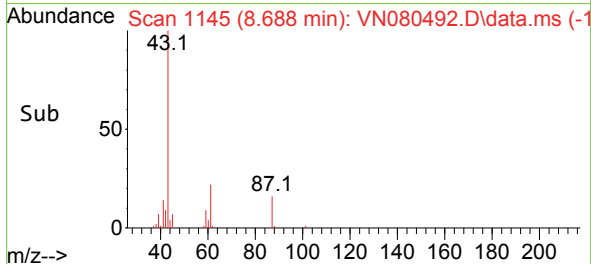
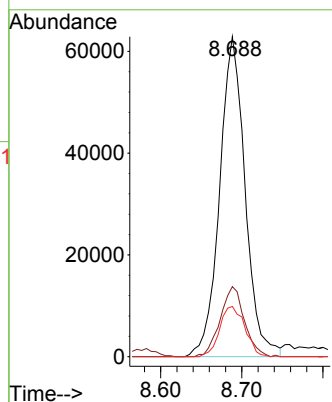


#43
Isopropyl Acetate
Concen: 27.710 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

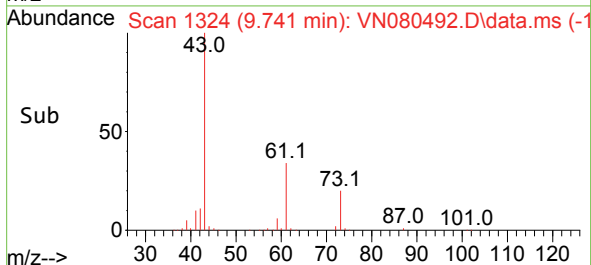
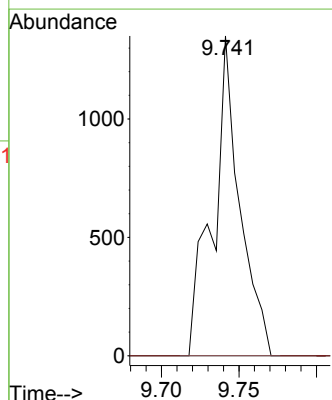
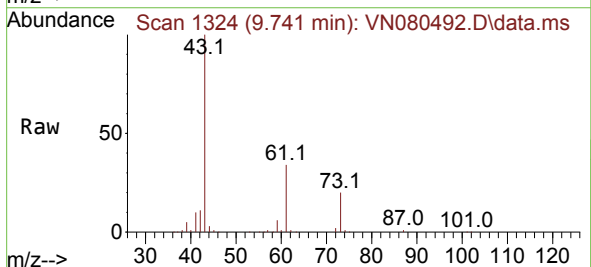


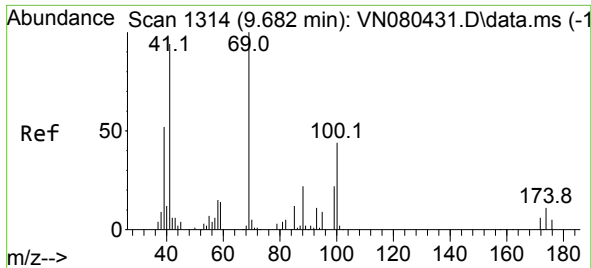
Tgt Ion: 43 Resp: 137394
Ion Ratio Lower Upper
43 100
61 20.8 24.7 37.1#
87 15.6 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.546 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 63 Resp: 1632
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

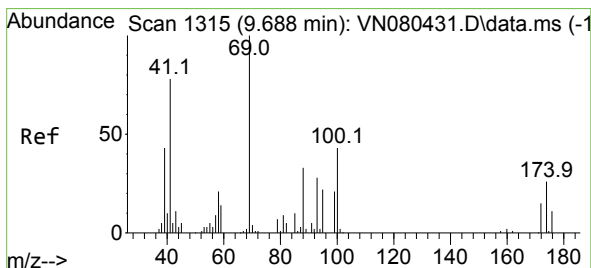
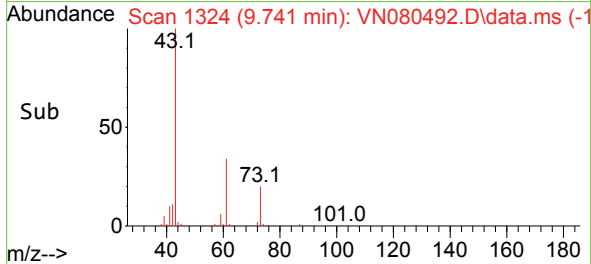
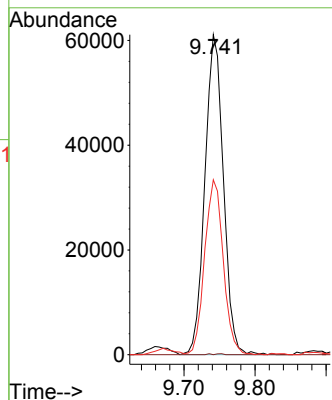
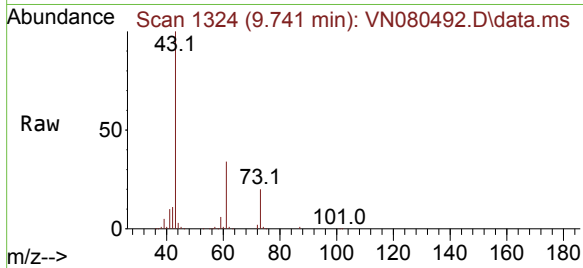




#48
Methyl methacrylate
Concen: 37.450 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

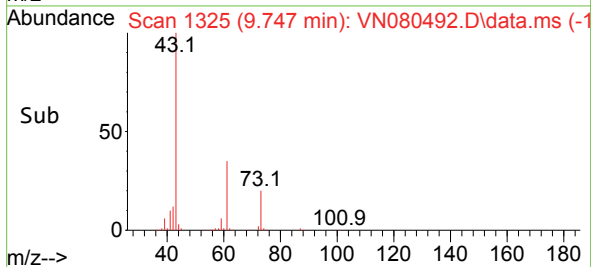
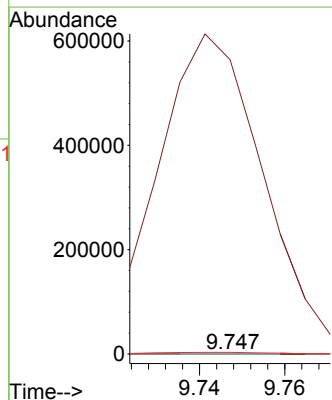
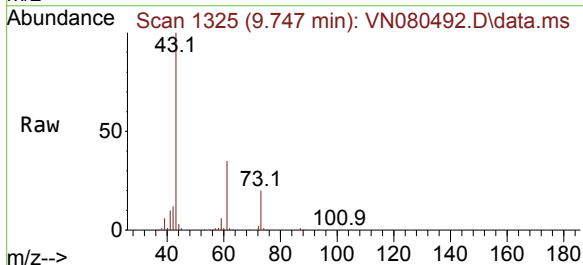
Instrument :
MSVOA_N
ClientSampleId :

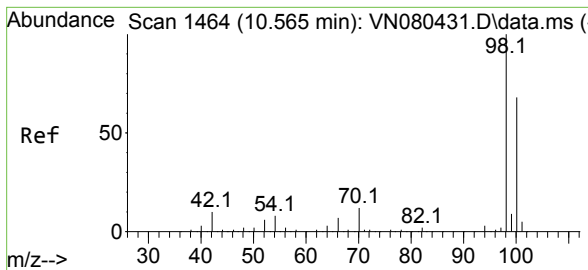
Tgt Ion: 41 Resp: 110813
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.1 54.6 81.8



#49
1,4-Dioxane
Concen: 1.427 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1703448.4 17.0 25.6#
58 9129.7 47.0 70.4#

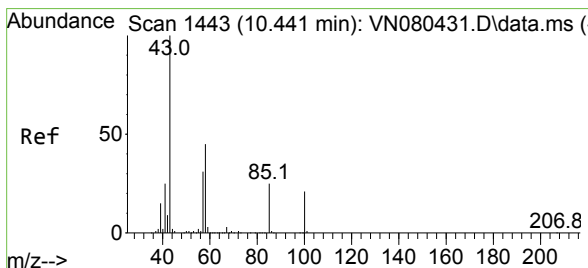
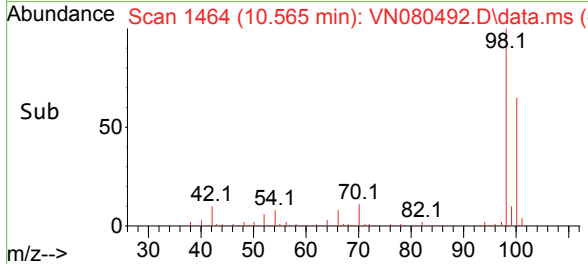
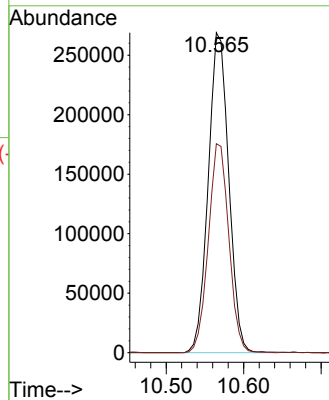
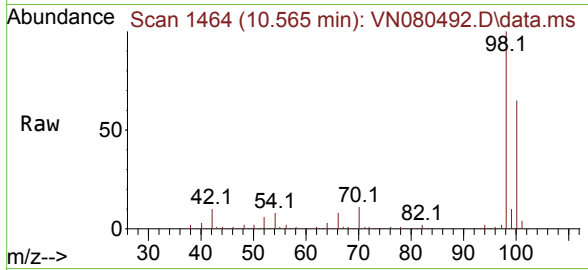




#50
Toluene-d8
Concen: 49.185 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

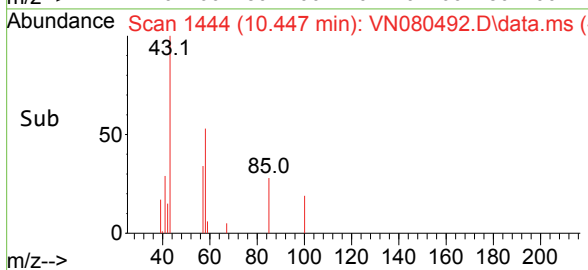
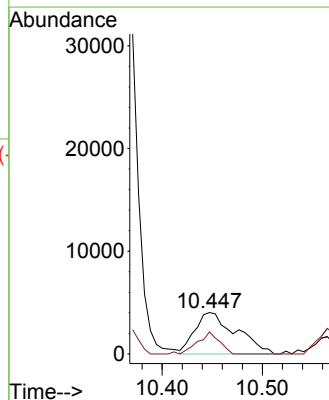
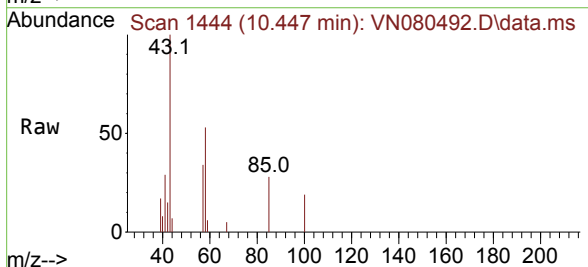
Instrument :
MSVOA_N
ClientSampleId :

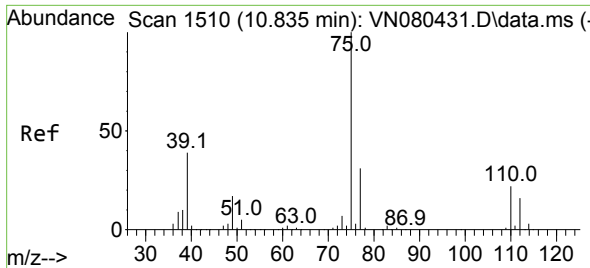
Tgt Ion: 98 Resp: 494052
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 43 Resp: 11480
Ion Ratio Lower Upper
43 100
58 28.2 36.6 54.8#

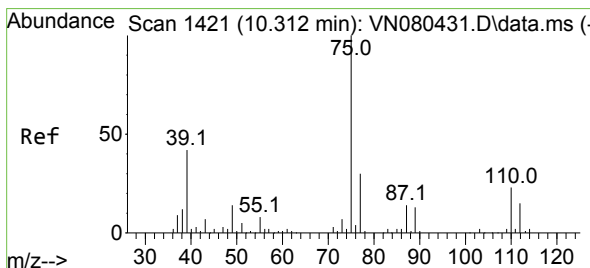
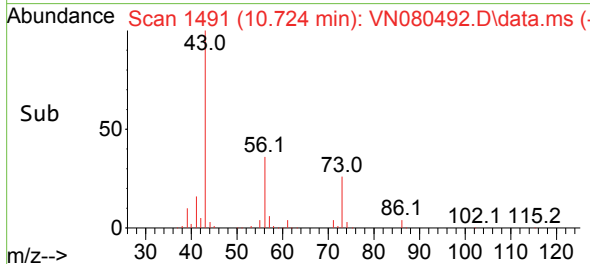
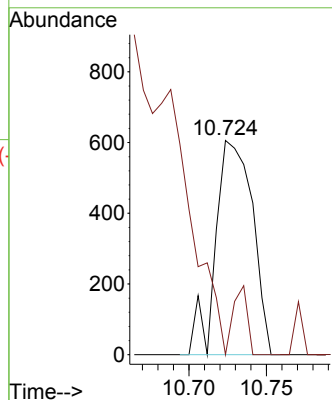
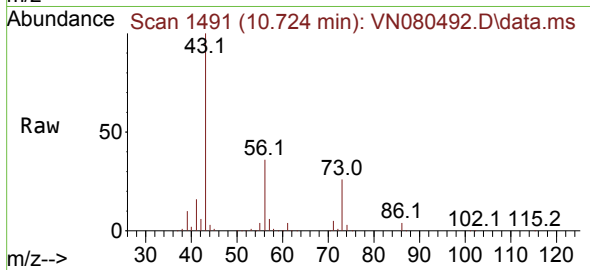




#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

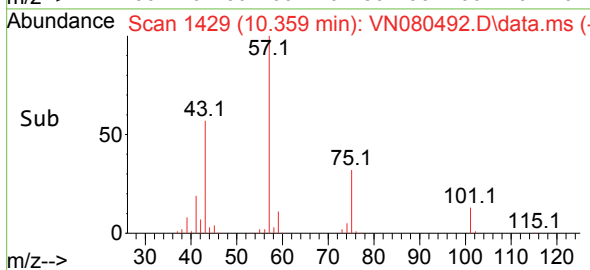
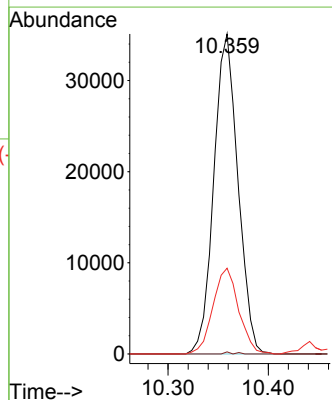
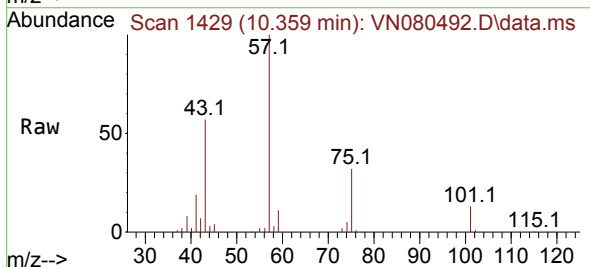
Instrument :
MSVOA_N
ClientSampleId :

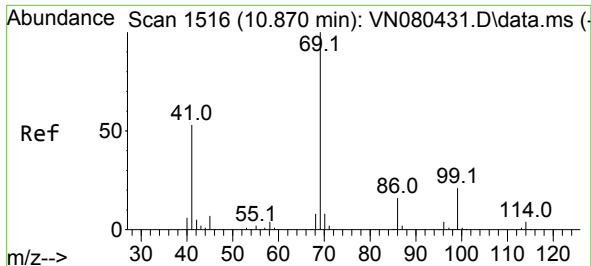
Tgt Ion: 75 Resp: 1002
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.024 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 75 Resp: 58603
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 26.8 31.6 47.4#

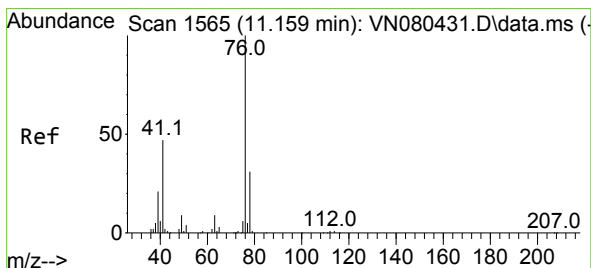
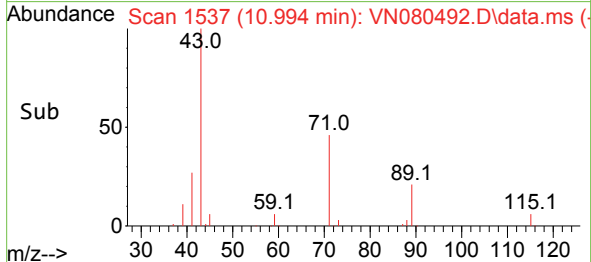
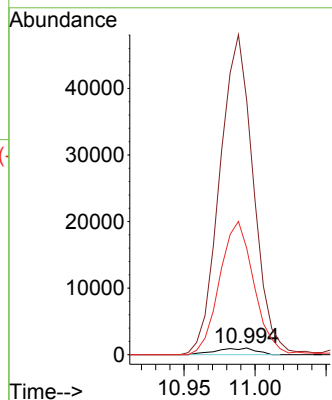
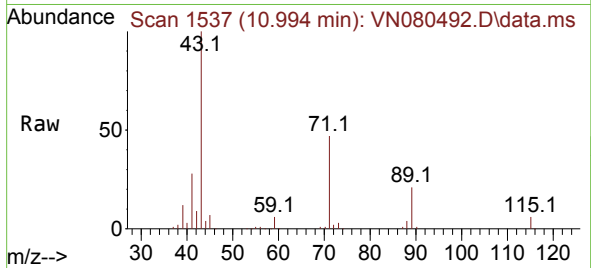




#56
Ethyl methacrylate
Concen: 0.595 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.124 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

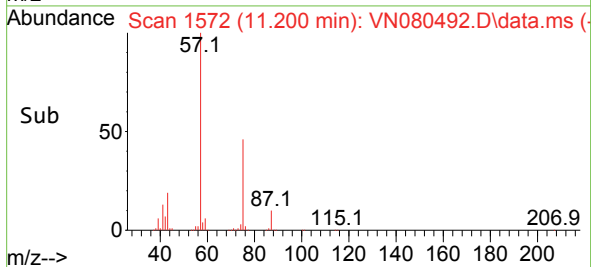
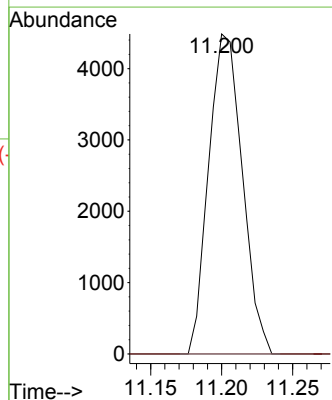
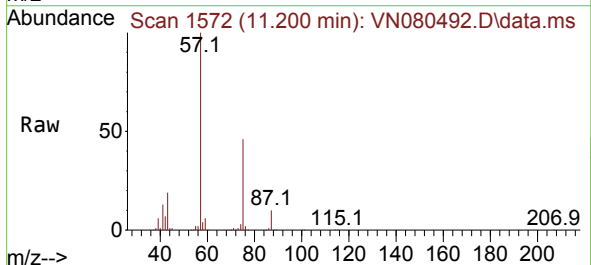
Instrument :
MSVOA_N
ClientSampleId :

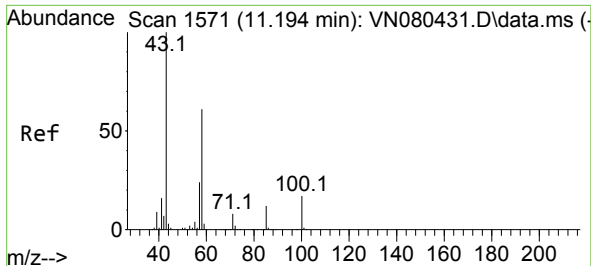
Tgt Ion: 69 Resp: 1905
Ion Ratio Lower Upper
69 100
41 4160.2 39.6 59.4#
39 1778.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.459 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 76 Resp: 7391
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

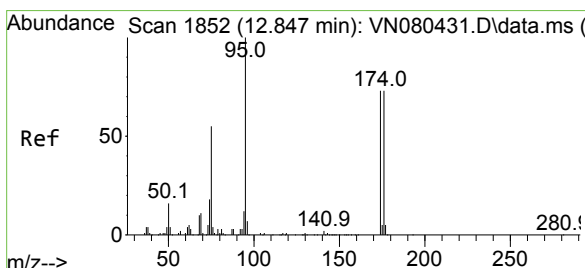
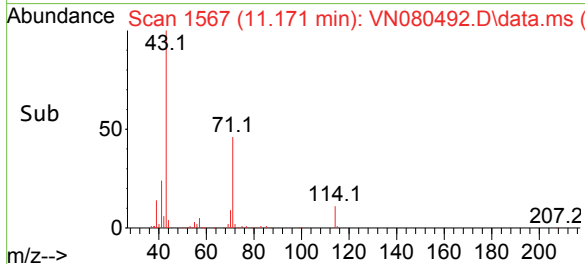
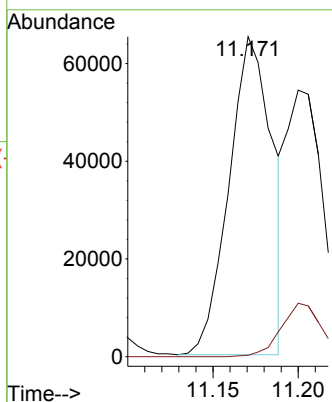
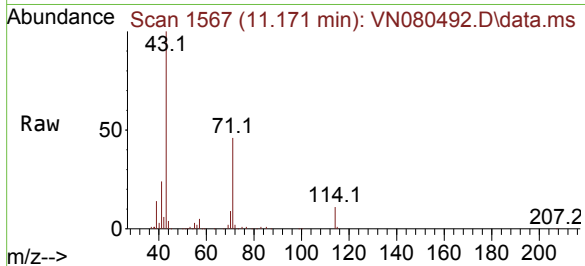




#59
2-Hexanone
Concen: 56.945 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

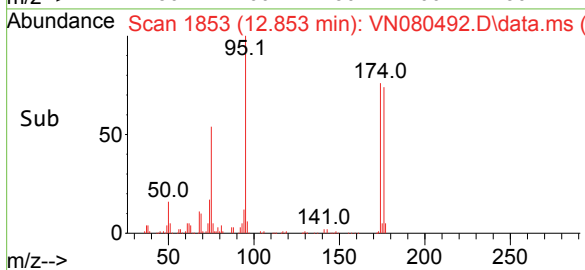
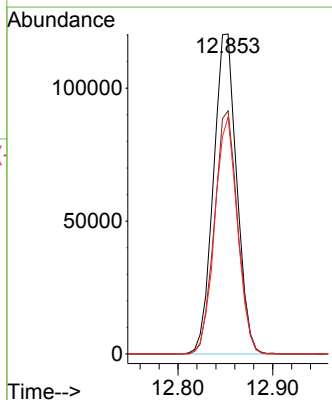
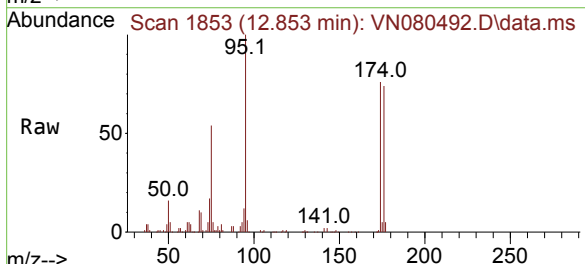
Instrument :
MSVOA_N
ClientSampleId :

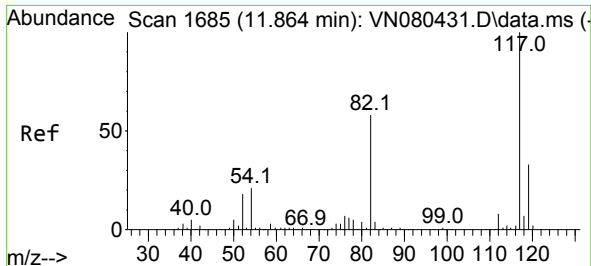
Tgt Ion: 43 Resp: 114800
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.941 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Tgt Ion: 95 Resp: 205746
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 72.2 0.0 135.8

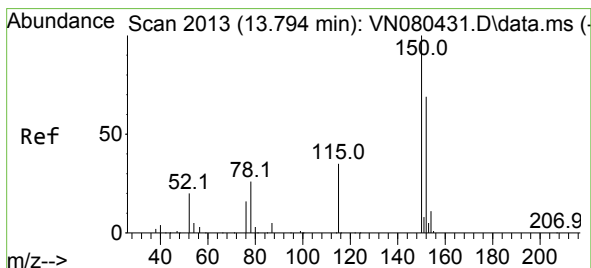
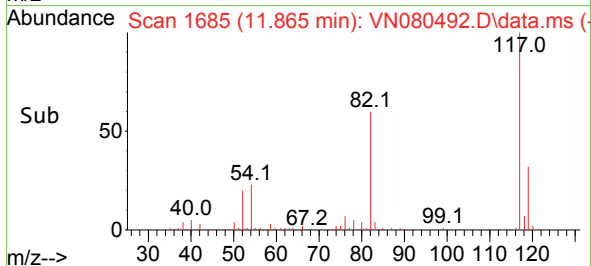
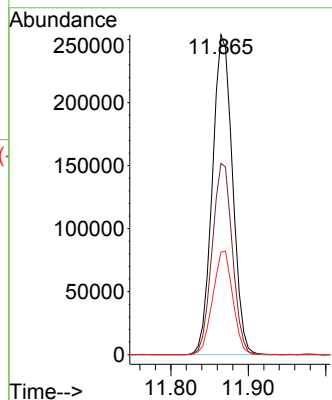
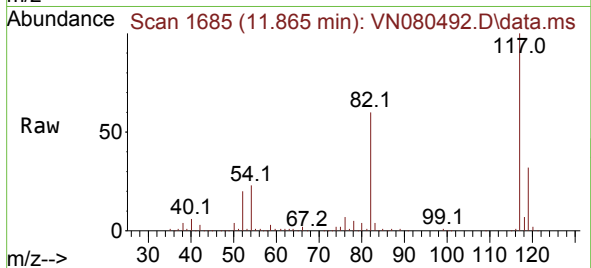




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

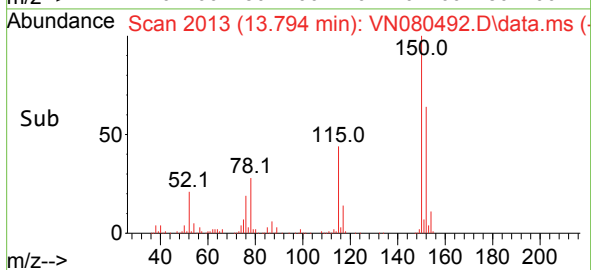
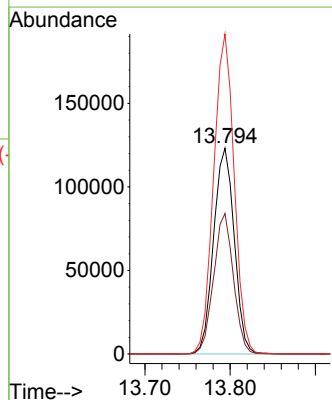
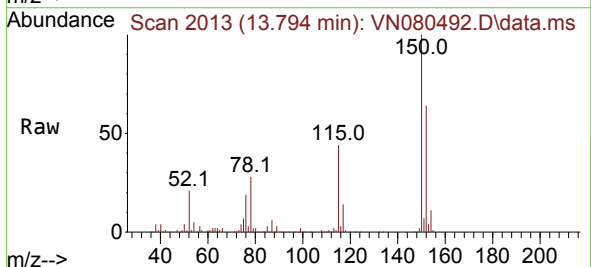
Instrument :
MSVOA_N
ClientSampleId :

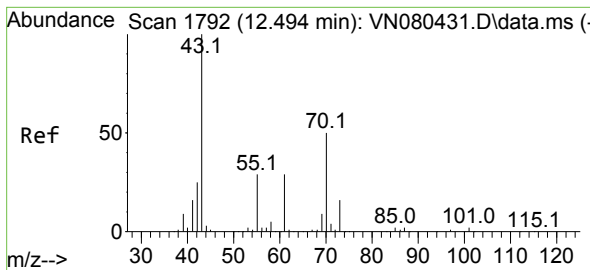
Tgt Ion:117 Resp: 458048
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

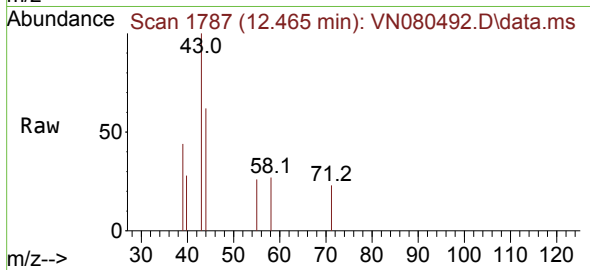
Tgt Ion:152 Resp: 207497
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 154.7 0.0 355.8



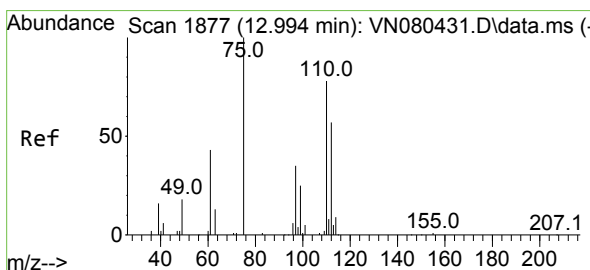
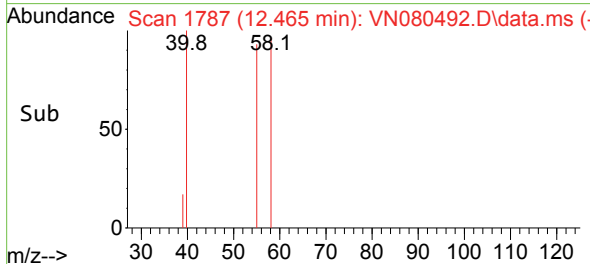
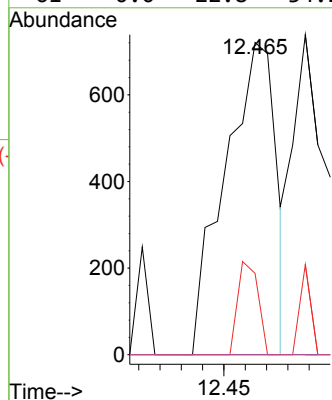


#74
N-amy1 acetate
Concen: 0.246 ug/l
RT: 12.465 min Scan# 1199
Delta R.T. -0.029 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

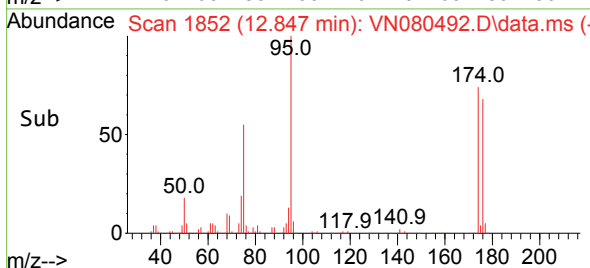
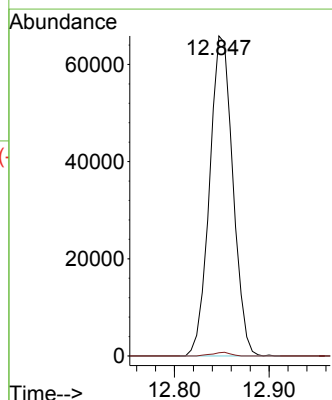
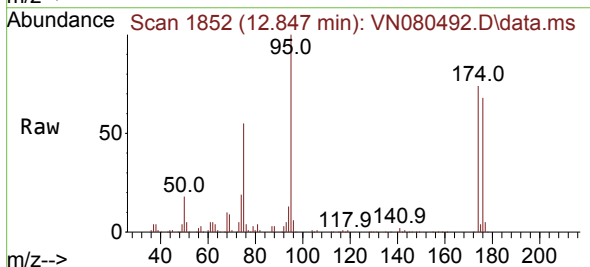


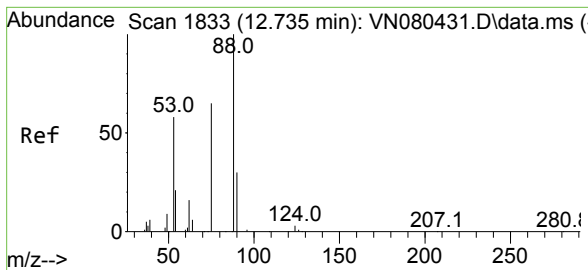
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	11.8	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080492.D
Acq: 14 Dec 2023 19:01

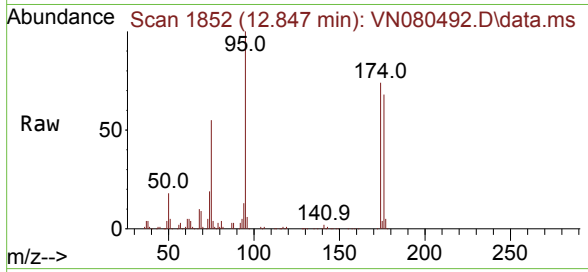
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.514 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080492.D
 Acq: 14 Dec 2023 19:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 112748

Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

