

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078830.D
 Acq On : 10 Aug 2023 12:19
 Operator : JC\MD
 Sample : PB154726ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:49:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

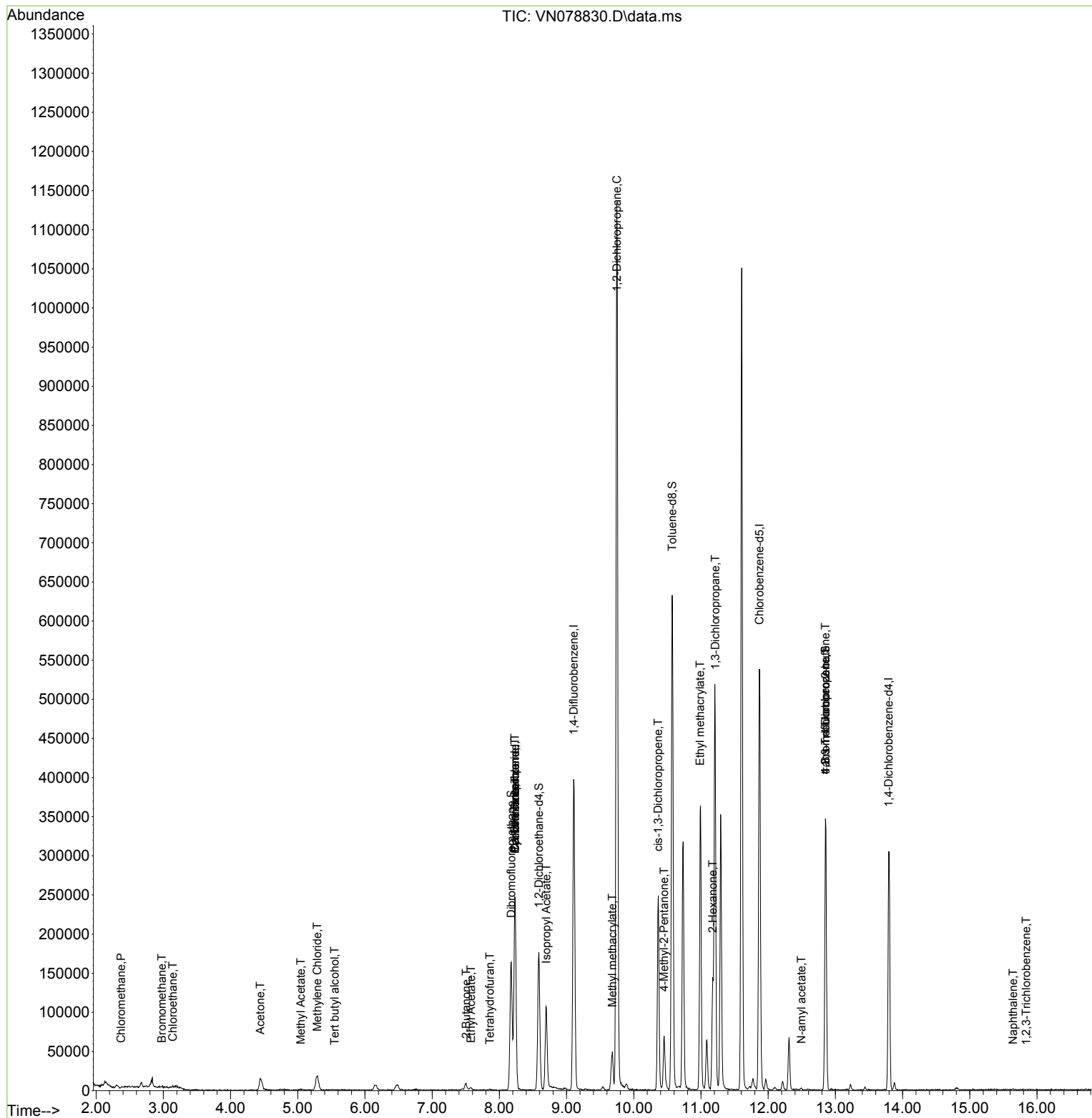
Internal Standards						
1) Pentafluorobenzene	8.235	168	170140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	330352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	304716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135108	52.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.940%	
35) Dibromofluoromethane	8.177	113	112197	50.292	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.580%	
50) Toluene-d8	10.570	98	424694	51.731	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.853	95	111553	45.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	610	0.208	ug/l #	42
5) Bromomethane	2.977	94	585	0.299	ug/l #	81
6) Chloroethane	3.142	64	471	0.259	ug/l #	43
11) Tert butyl alcohol	5.547	59	176	0.393	ug/l #	72
16) Acetone	4.441	43	28589	29.131	ug/l	97
18) Methyl Acetate	5.047	43	1686	0.383	ug/l #	55
20) Methylene Chloride	5.288	84	12986	5.343	ug/l #	70
25) 2-Butanone	7.506	43	13594	8.180	ug/l #	64
29) Tetrahydrofuran	7.859	42	710	0.638	ug/l #	20
31) Cyclohexane	8.235	56	5152	1.375	ug/l #	63
36) 1,1-Dichloropropene	8.229	75	16826	4.862	ug/l #	48
37) Ethyl Acetate	7.577	43	5177	1.407	ug/l #	72
38) Carbon Tetrachloride	8.229	117	18420	5.163	ug/l #	17
43) Isopropyl Acetate	8.700	43	119063	19.191	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1620	0.577	ug/l #	45
48) Methyl methacrylate	9.682	41	3669	1.280	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	51128	13.454	ug/l #	85
54) cis-1,3-Dichloropropene	10.365	75	39437	9.556	ug/l #	70
56) Ethyl methacrylate	10.988	69	1796	0.487	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5852	1.325	ug/l #	42
59) 2-Hexanone	11.176	43	113618	42.224	ug/l #	19
74) N-amyl acetate	12.494	43	812	0.229	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	66672	31.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	66672	83.452	ug/l #	15
95) Naphthalene	15.647	128	901	0.341	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.841	180	406	0.431	ug/l #	37

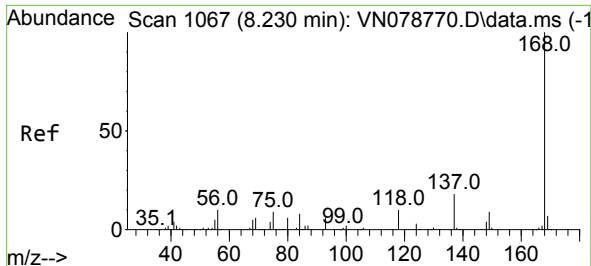
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
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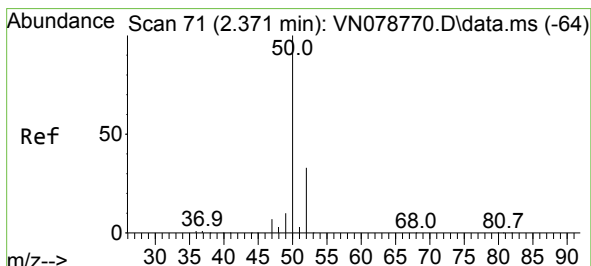
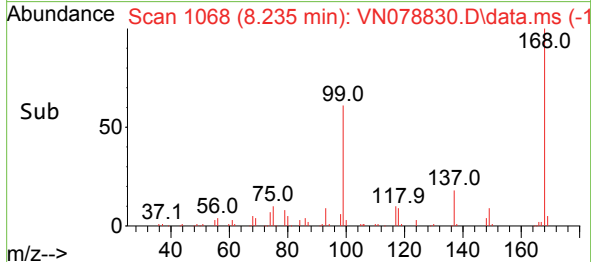
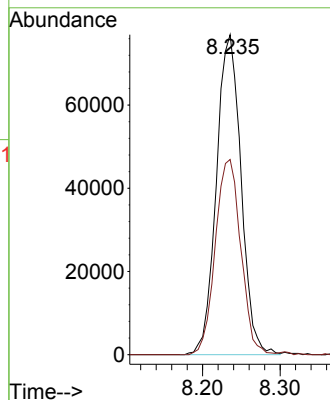
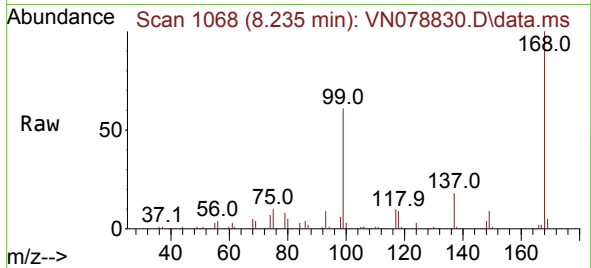




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

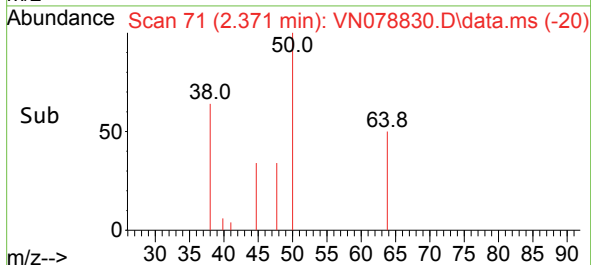
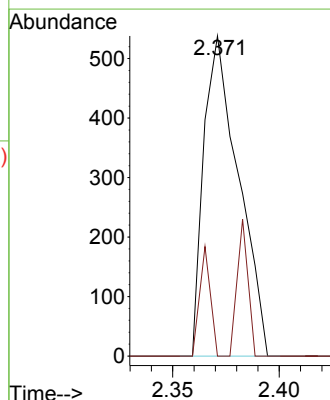
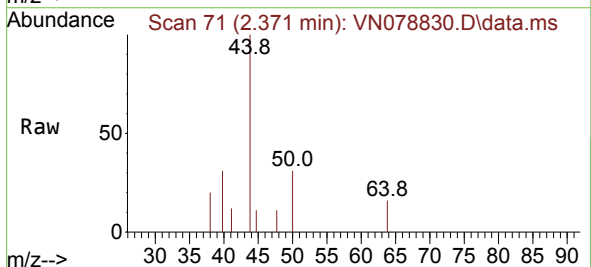
Instrument :
MSVOA_N
ClientSampleId :

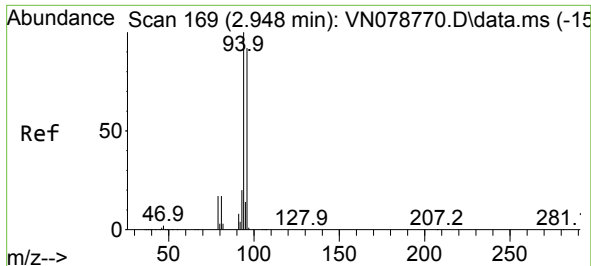
Tgt Ion:168 Resp: 170140
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

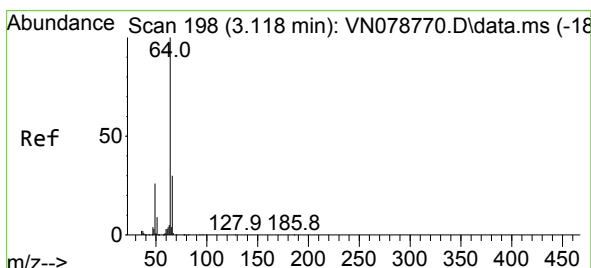
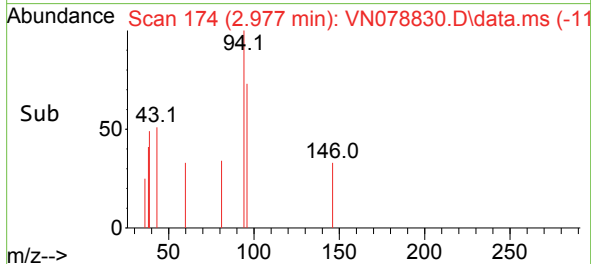
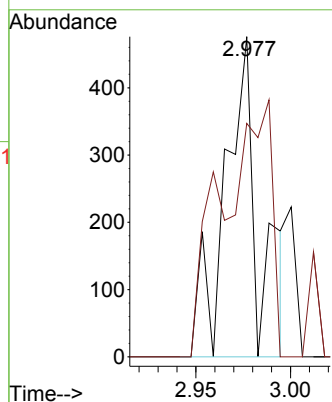
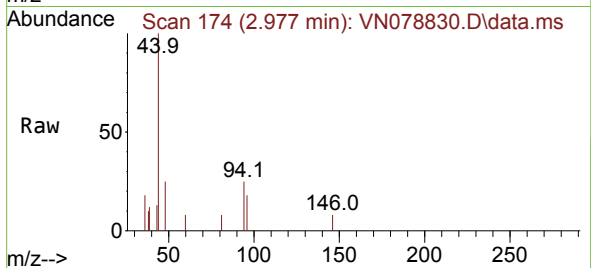




#5
Bromomethane
Concen: 0.299 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

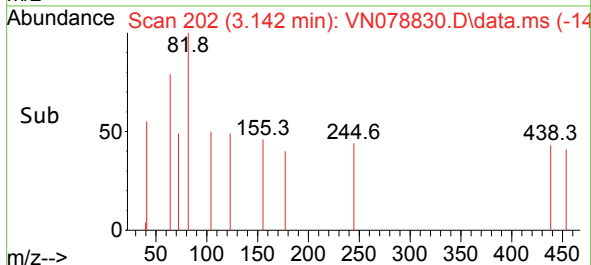
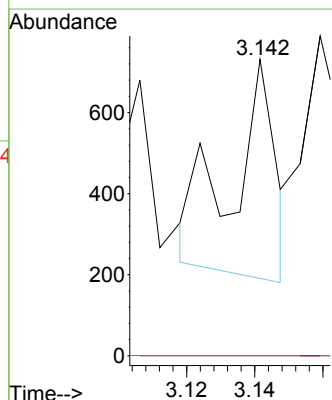
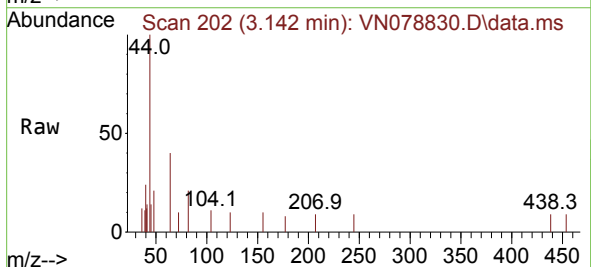
Instrument :
MSVOA_N
ClientSampleId :

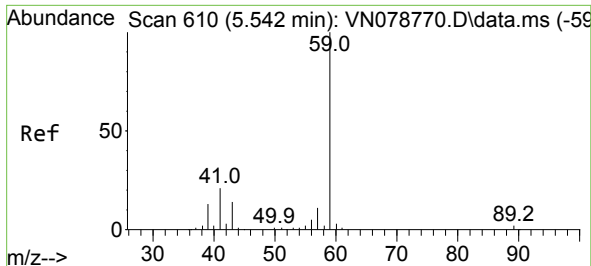
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 72.9 73.1 109.7#



#6
Chloroethane
Concen: 0.259 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.023 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion: 64 Resp: 471
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

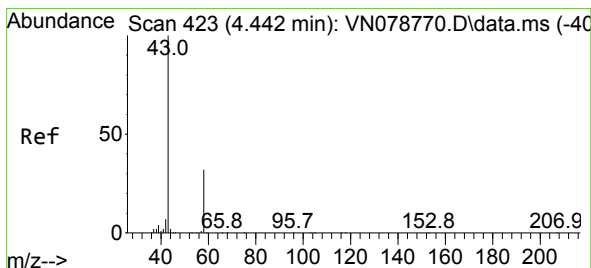
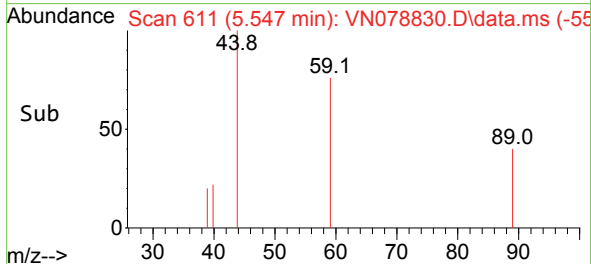
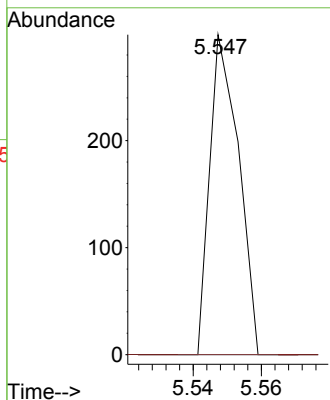
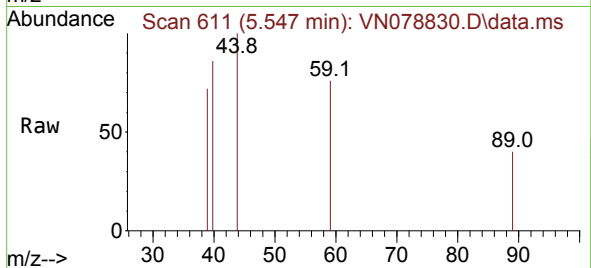




#11
Tert butyl alcohol
Concen: 0.393 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.005 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

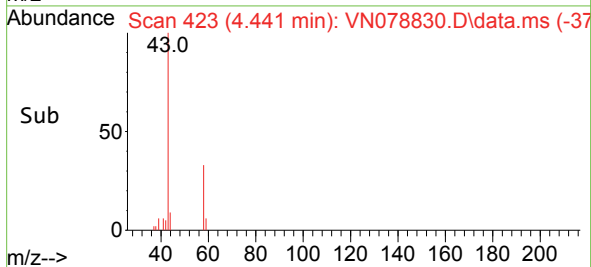
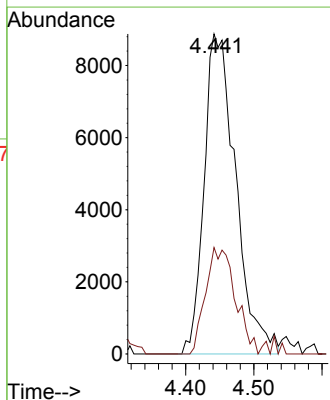
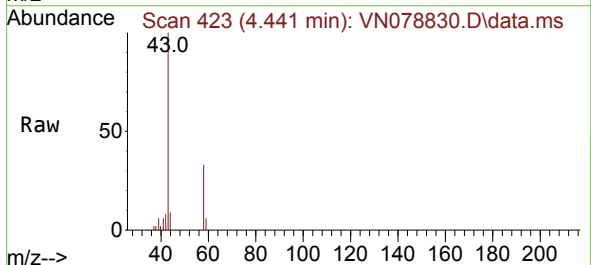
Instrument :
MSVOA_N
ClientSampleId :

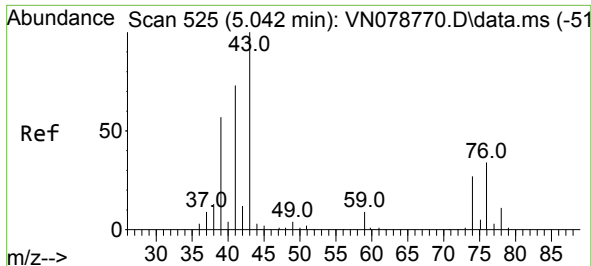
Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 29.131 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion: 43 Resp: 28589
Ion Ratio Lower Upper
43 100
58 33.3 28.0 42.0

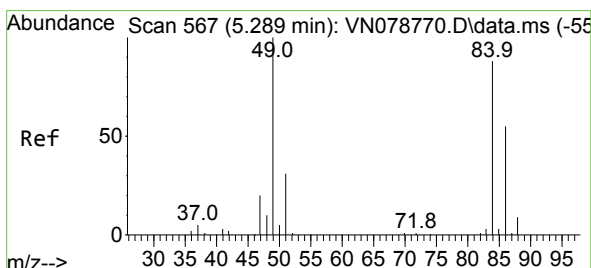
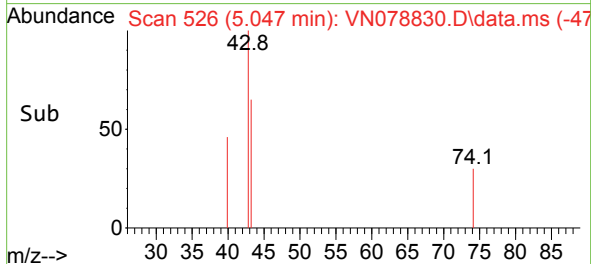
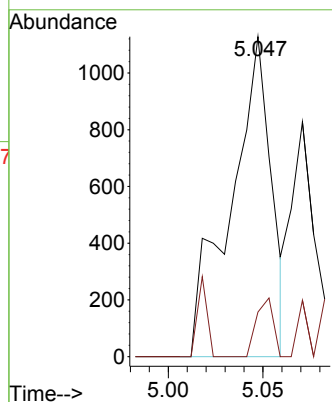
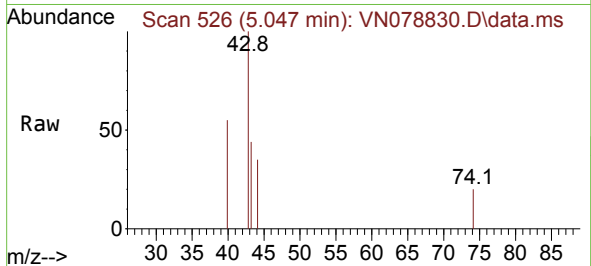




#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

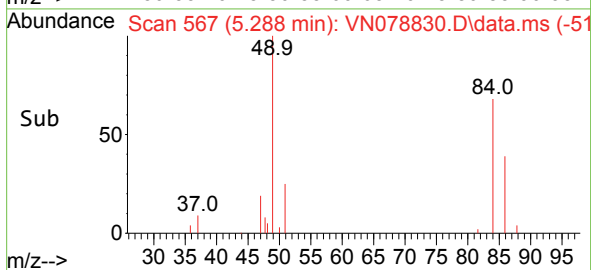
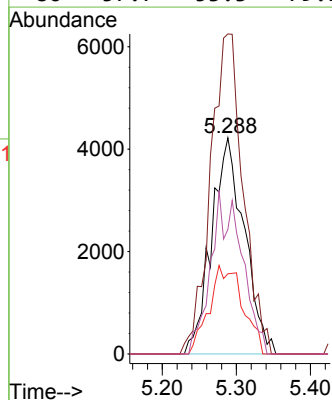
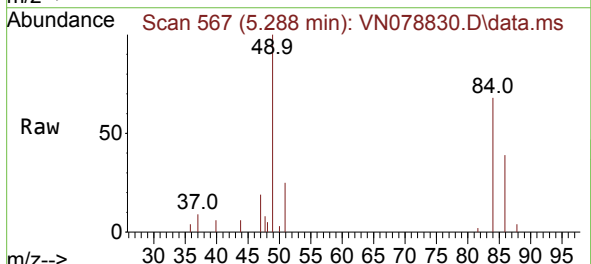
Instrument :
MSVOA_N
ClientSampleId :

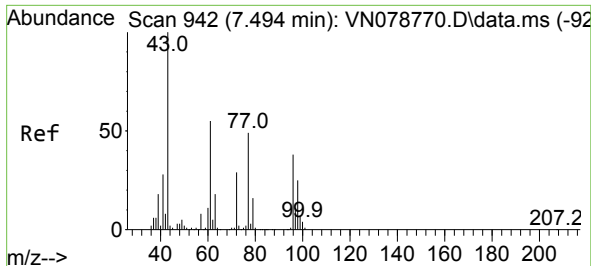
Tgt Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
74 7.6 26.2 39.4#



#20
Methylene Chloride
Concen: 5.343 ug/l
RT: 5.288 min Scan# 567
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion: 84 Resp: 12986
Ion Ratio Lower Upper
84 100
49 148.0 79.7 119.5#
51 37.0 25.2 37.8
86 57.7 53.3 79.9

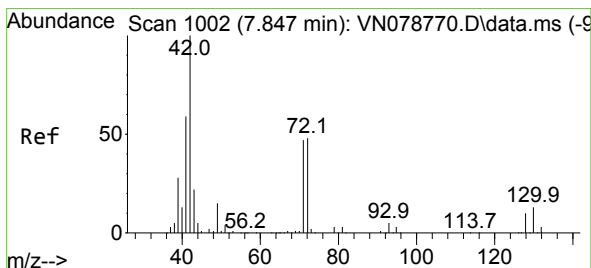
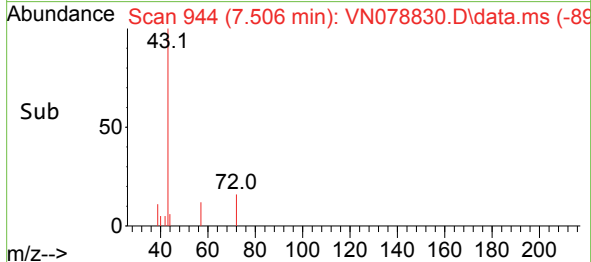
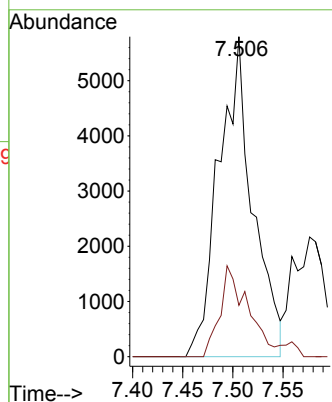
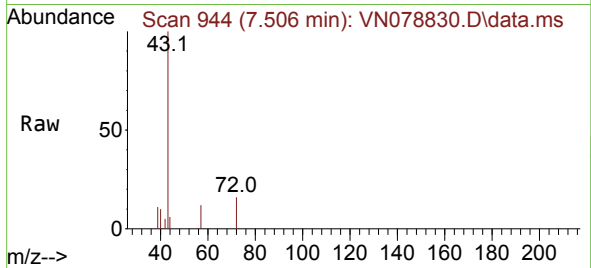




#25
2-Butanone
Concen: 8.180 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

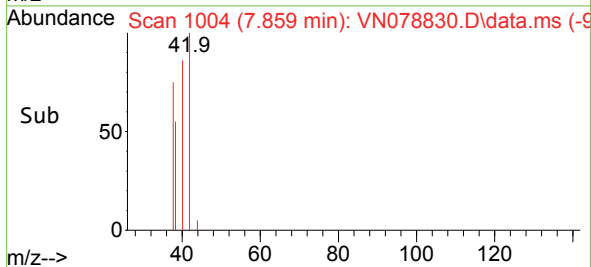
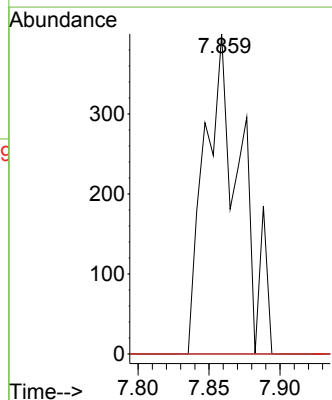
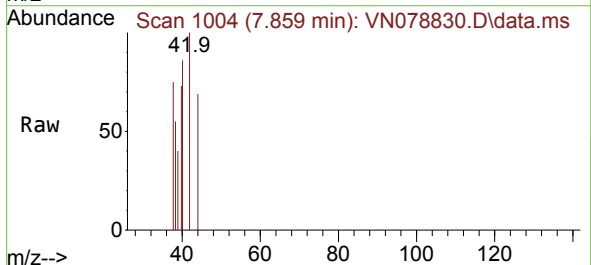
Instrument :
MSVOA_N
ClientSampleId :

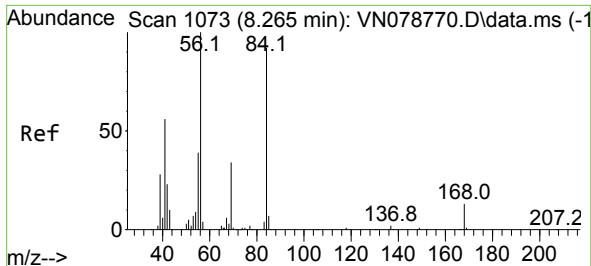
Tgt Ion: 43 Resp: 13594
Ion Ratio Lower Upper
43 100
72 16.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.638 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

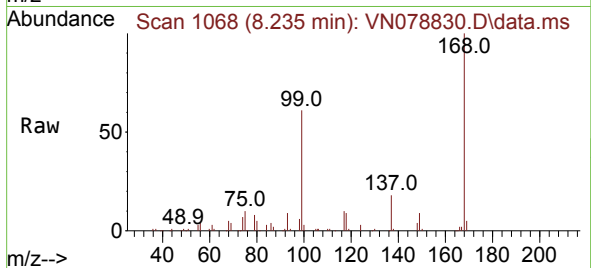
Tgt Ion: 42 Resp: 710
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



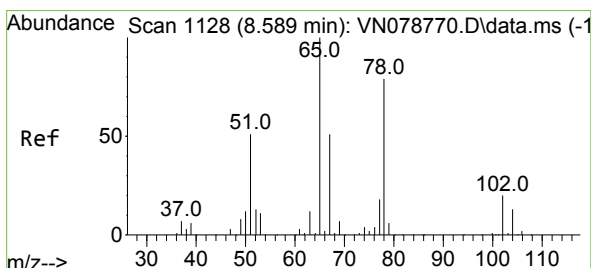
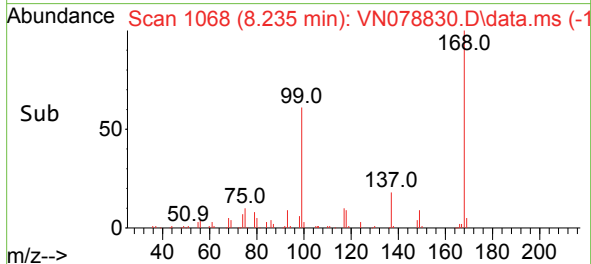
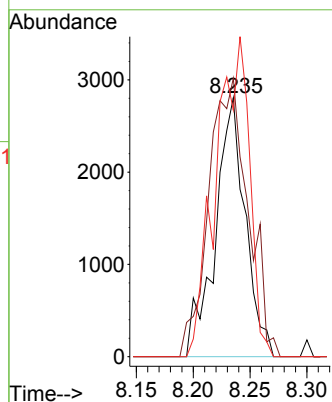


#31
Cyclohexane
Concen: 1.375 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

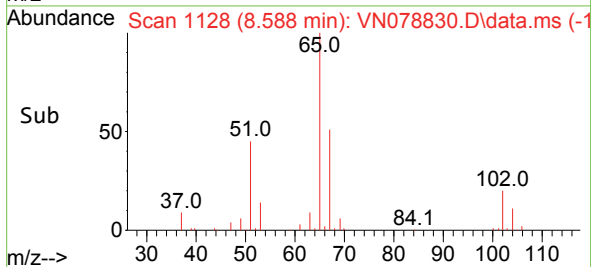
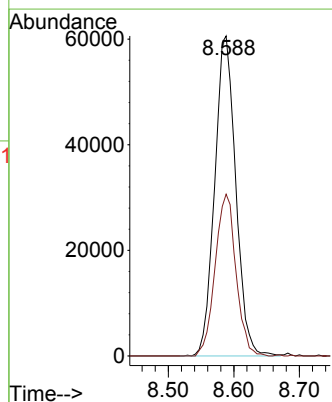
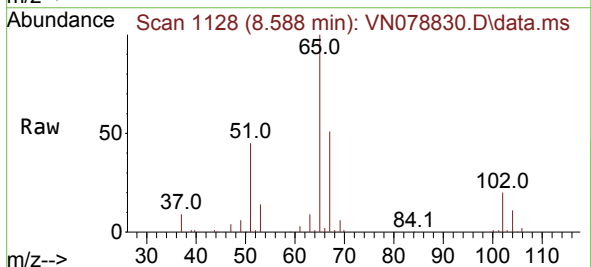


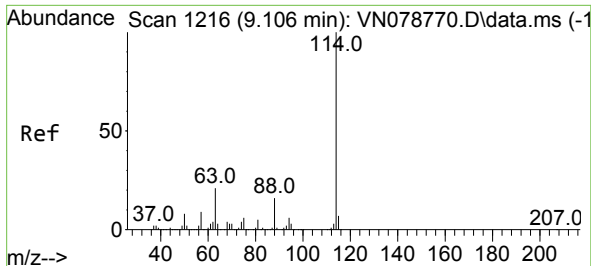
Tgt Ion: 56 Resp: 5152
Ion Ratio Lower Upper
56 100
69 107.6 26.8 40.2#
84 95.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.970 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

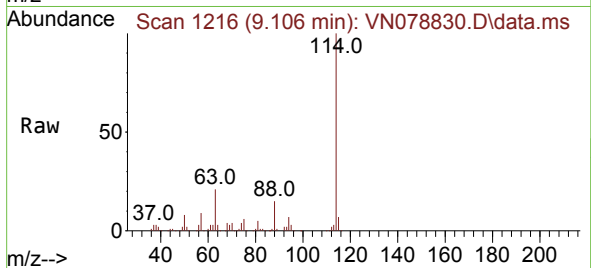
Tgt Ion: 65 Resp: 135108
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.6



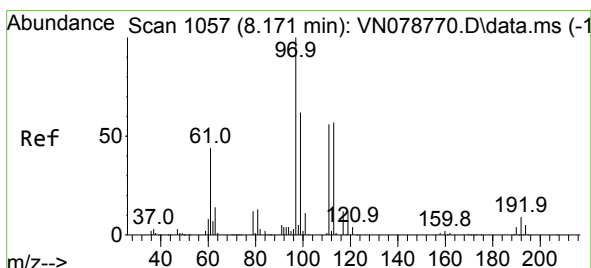
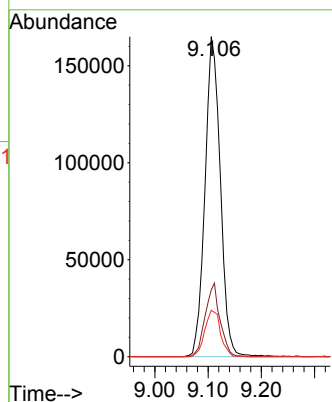
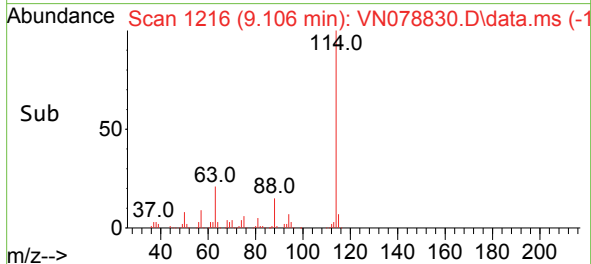


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

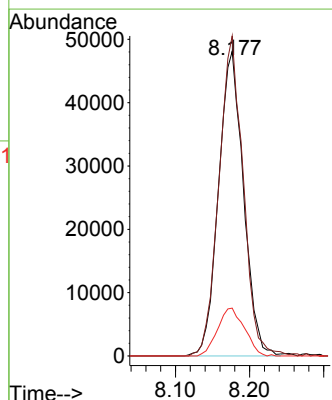
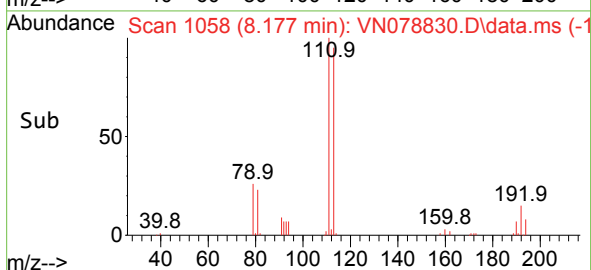
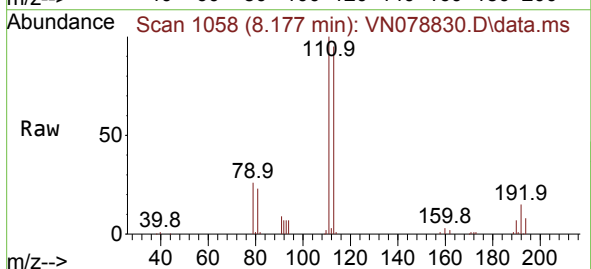


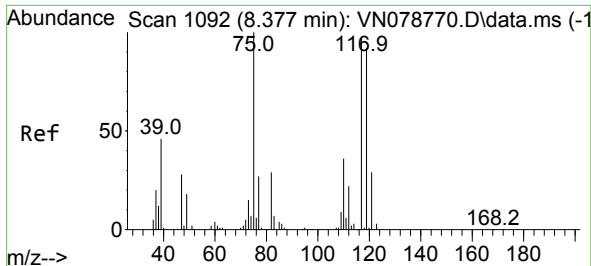
Tgt Ion:114 Resp: 330352
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.292 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion:113 Resp: 112197
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN078830.D

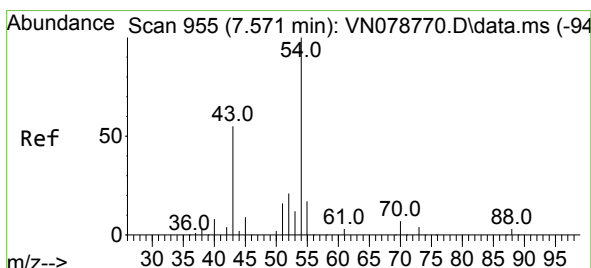
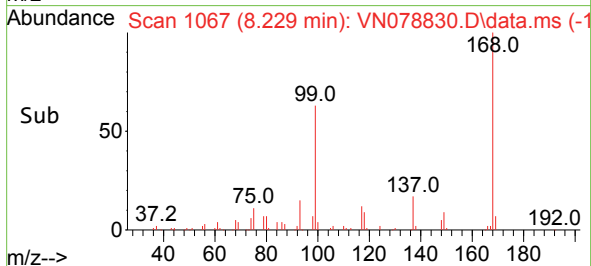
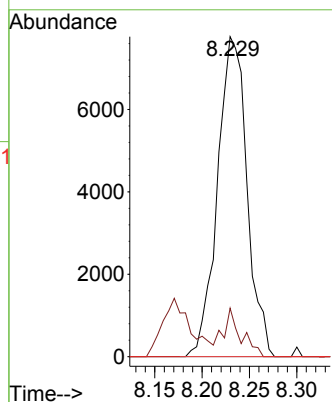
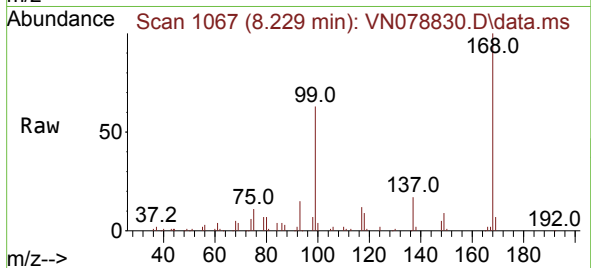
Acq: 10 Aug 2023 12:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 16826
Ion Ratio	Lower Upper
75	100
110	9.1 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.407 ug/l

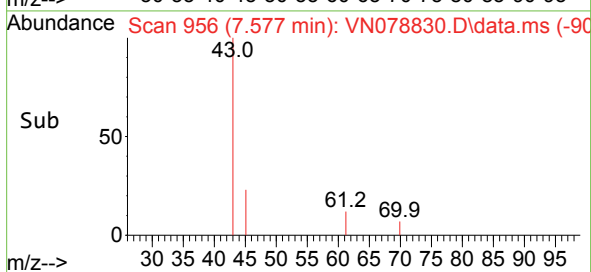
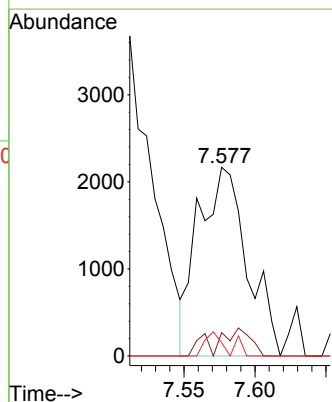
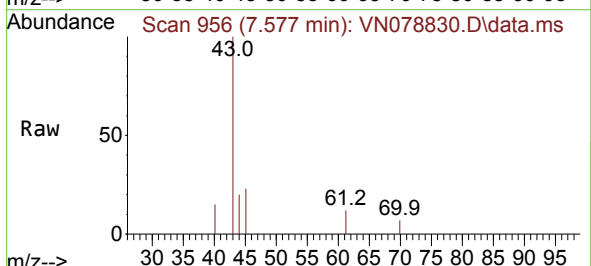
RT: 7.577 min Scan# 956

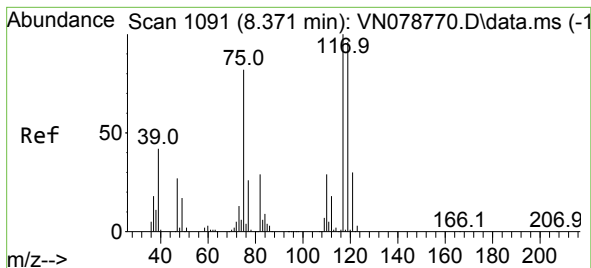
Delta R.T. 0.006 min

Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

Tgt Ion: 43	Resp: 5177
Ion Ratio	Lower Upper
43	100
61	3.0 13.2 19.8#
70	4.2 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.163 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.141 min

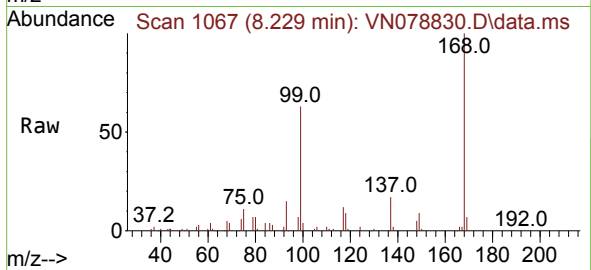
Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

Instrument :

MSVOA_N

ClientSampleId :



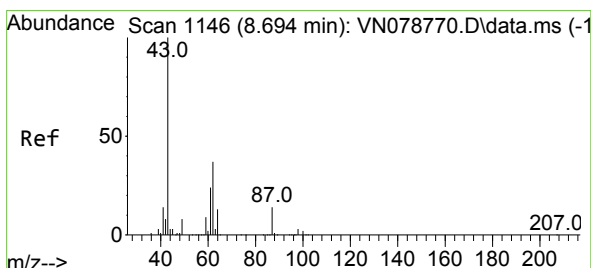
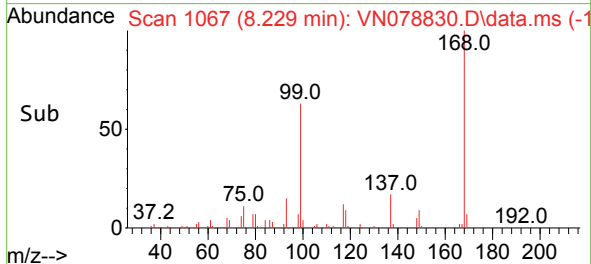
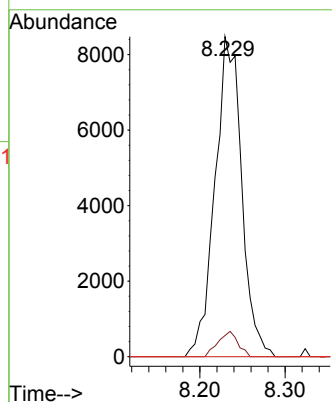
Tgt Ion:117 Resp: 18420

Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 19.191 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

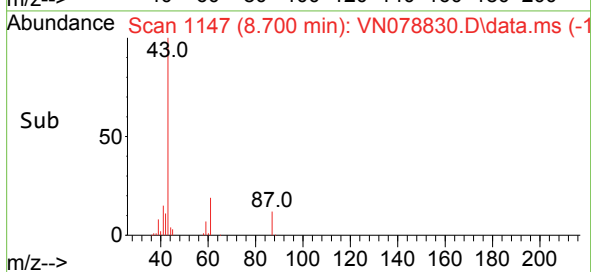
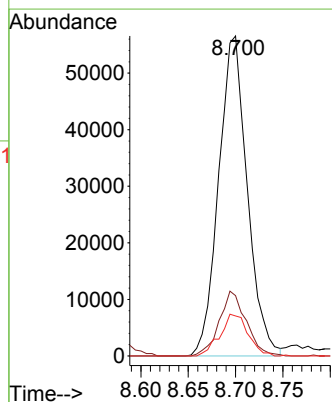
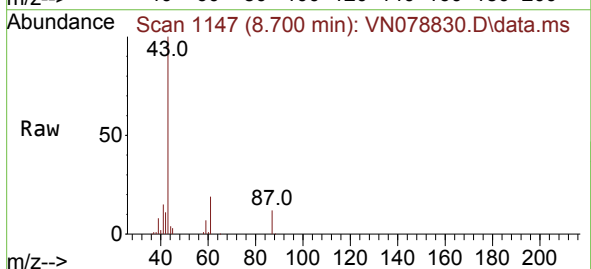
Tgt Ion: 43 Resp: 119063

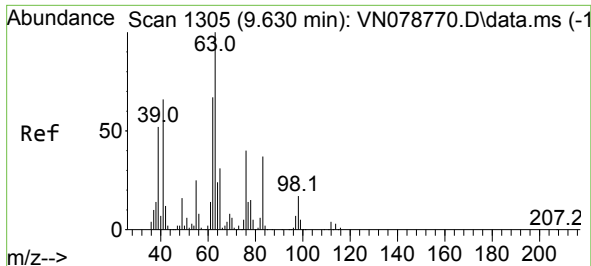
Ion Ratio Lower Upper

43 100

61 19.0 24.7 37.1#

87 12.8 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.577 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.117 min

Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

Instrument :

MSVOA_N

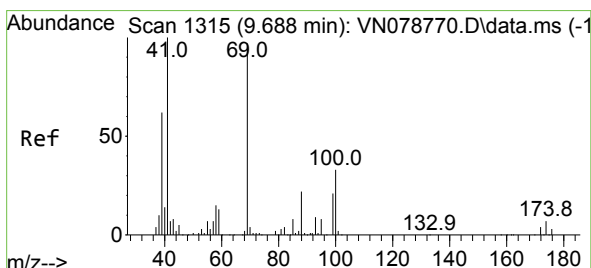
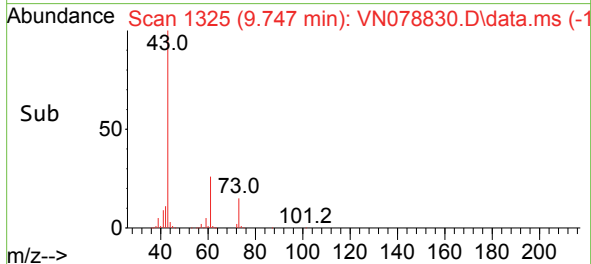
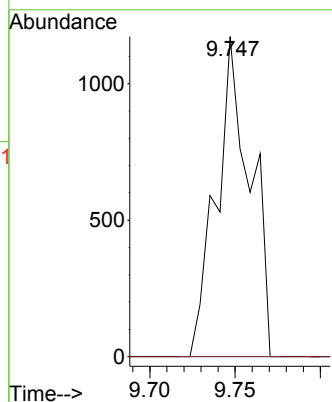
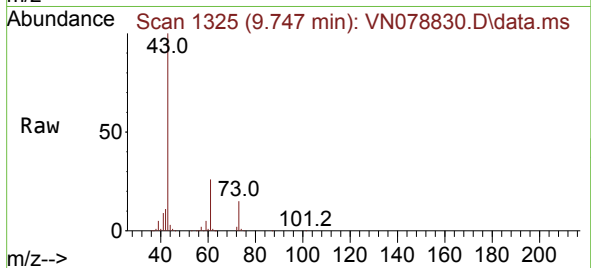
ClientSampleId :

Tgt Ion: 63 Resp: 1620

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.280 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

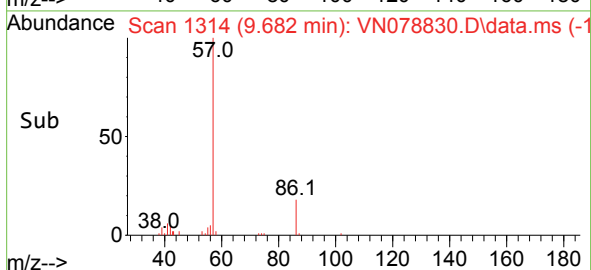
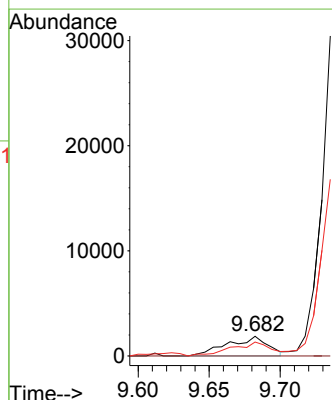
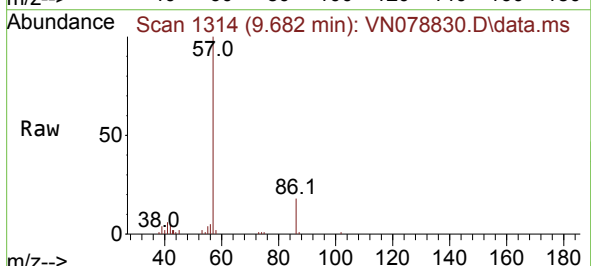
Tgt Ion: 41 Resp: 3669

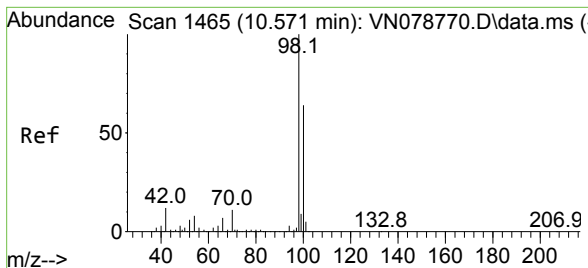
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 68.2 54.6 81.8

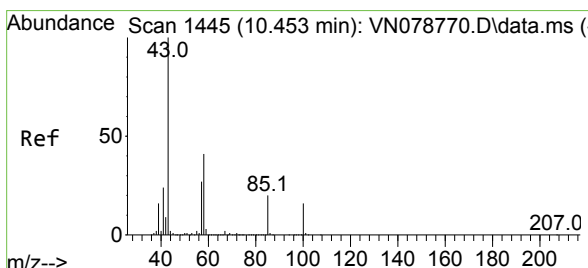
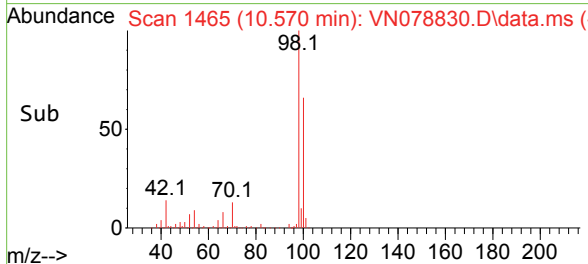
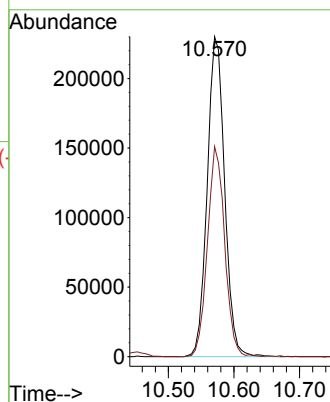
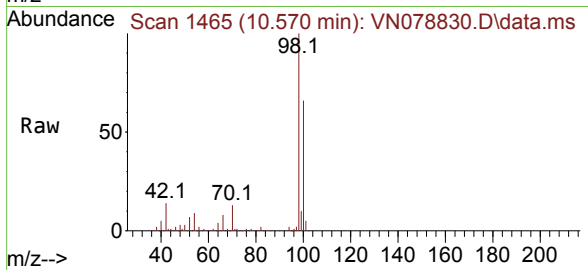




#50
Toluene-d8
Concen: 51.731 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

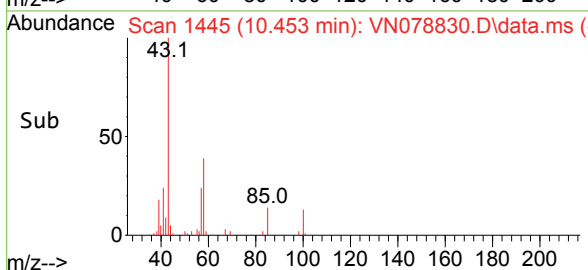
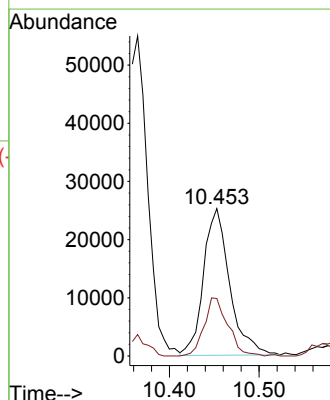
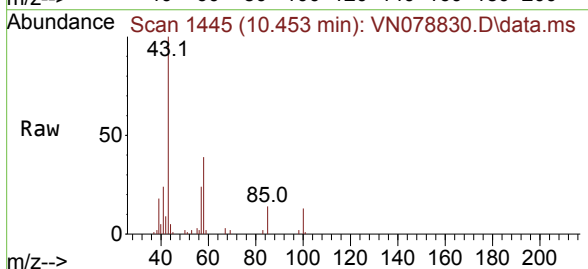
Instrument :
MSVOA_N
ClientSampleId :

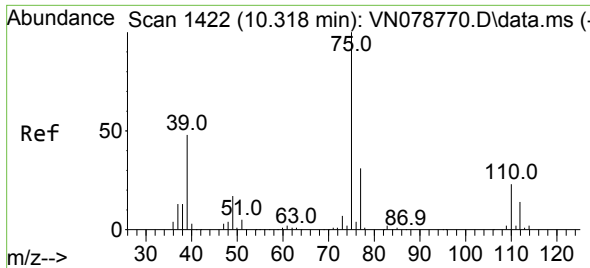
Tgt Ion: 98 Resp: 424694
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 13.454 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion: 43 Resp: 51128
Ion Ratio Lower Upper
43 100
58 35.9 36.6 54.8#

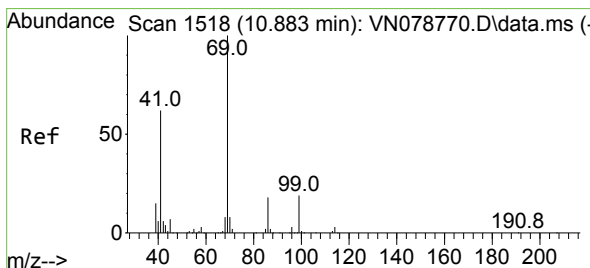
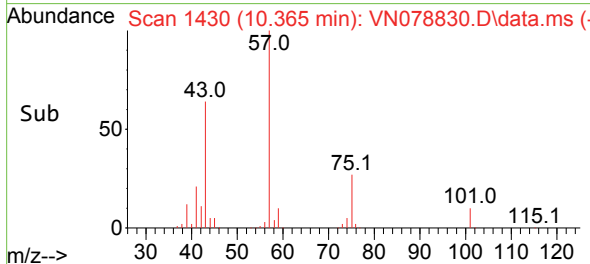
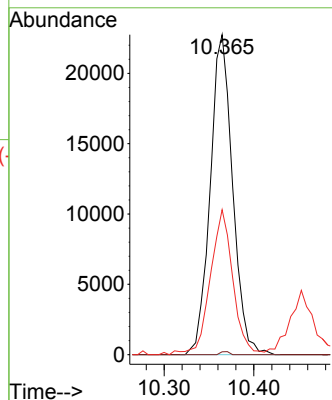
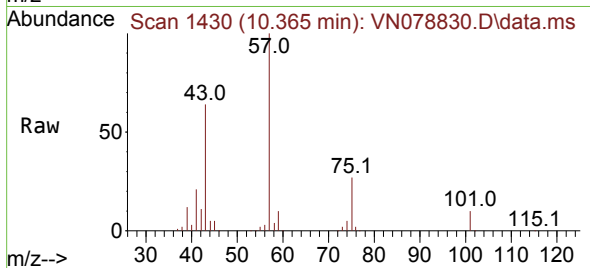




#54
 cis-1,3-Dichloropropene
 Concen: 9.556 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078830.D
 Acq: 10 Aug 2023 12:19

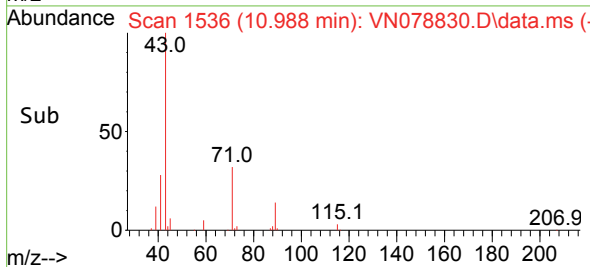
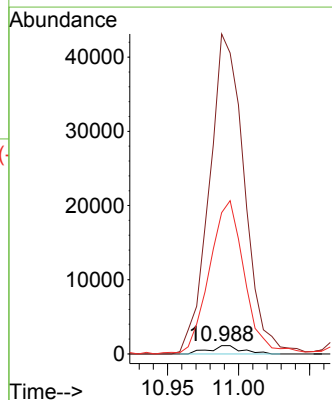
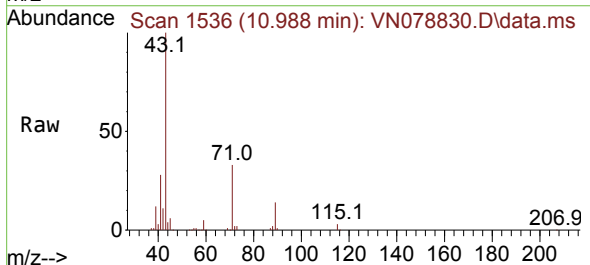
Instrument :
 MSVOA_N
 ClientSampleId :

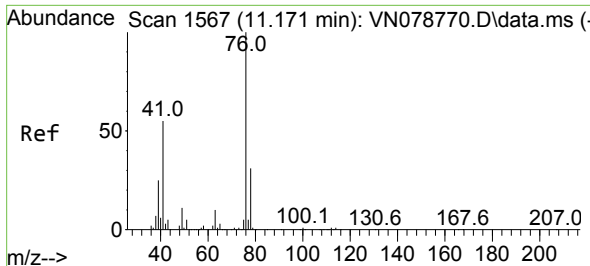
Tgt Ion: 75 Resp: 39437
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 44.3 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.487 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078830.D
 Acq: 10 Aug 2023 12:19

Tgt Ion: 69 Resp: 1796
 Ion Ratio Lower Upper
 69 100
 41 4112.8 39.6 59.4#
 39 1980.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.325 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078830.D

Acq: 10 Aug 2023 12:19

Instrument :

MSVOA_N

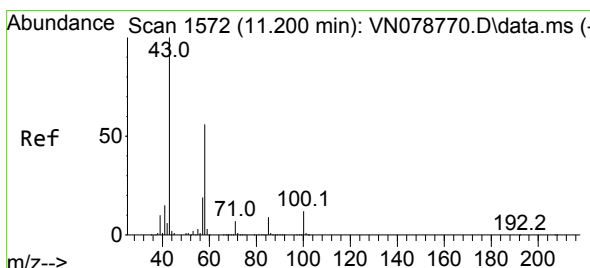
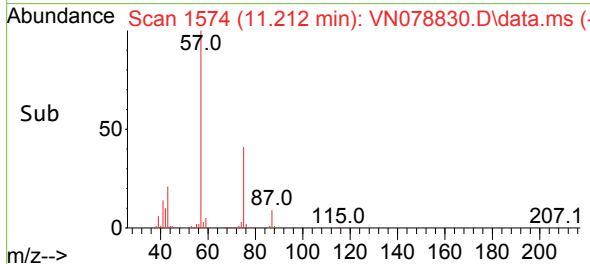
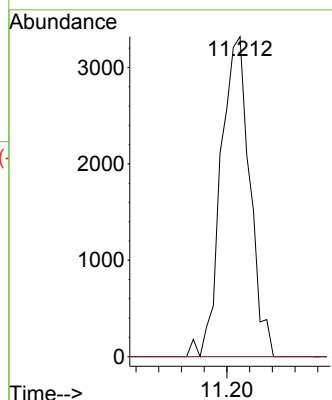
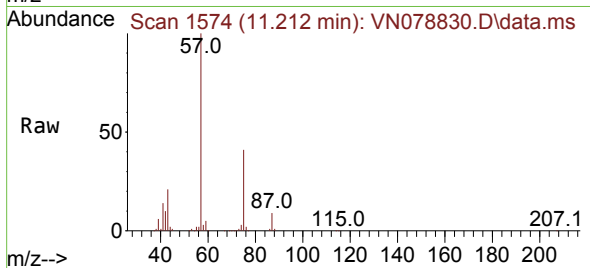
ClientSampleId :

Tgt Ion: 76 Resp: 5852

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.224 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078830.D

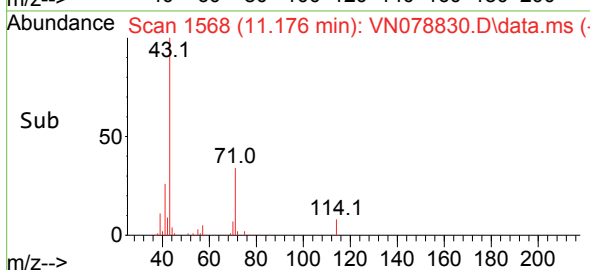
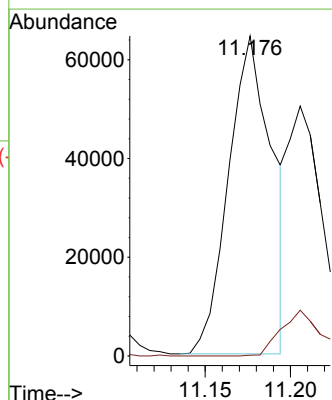
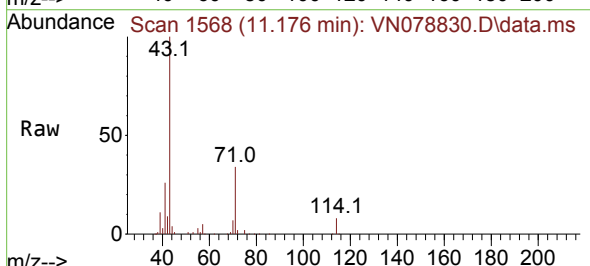
Acq: 10 Aug 2023 12:19

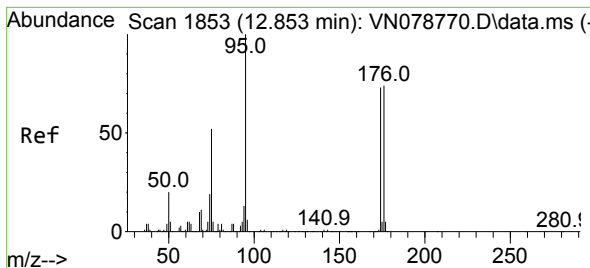
Tgt Ion: 43 Resp: 113618

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

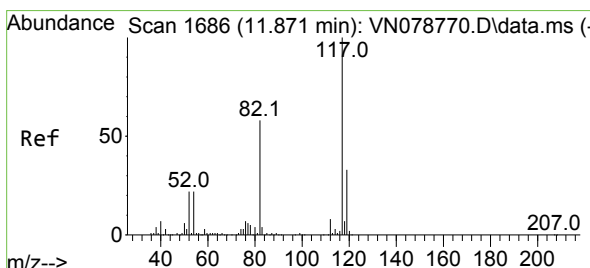
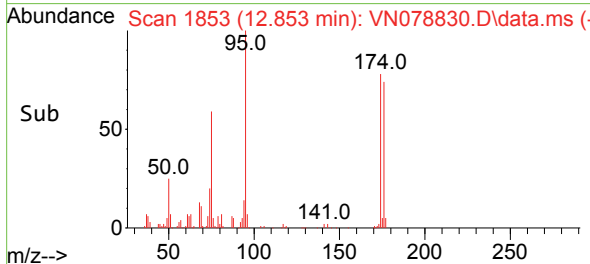
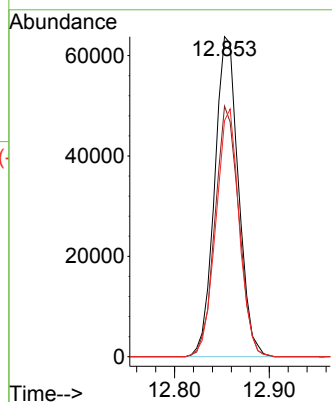
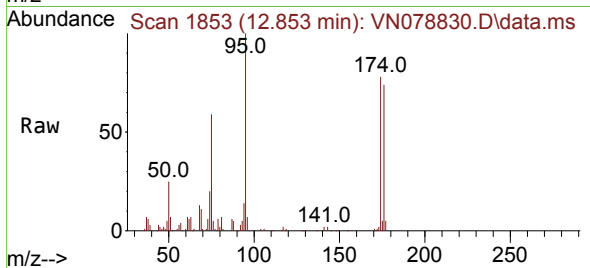




#62
4-Bromofluorobenzene
Concen: 45.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

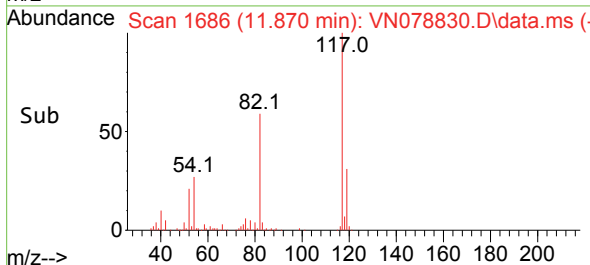
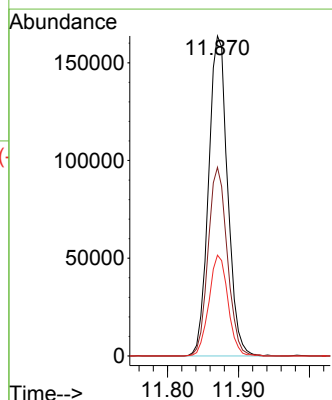
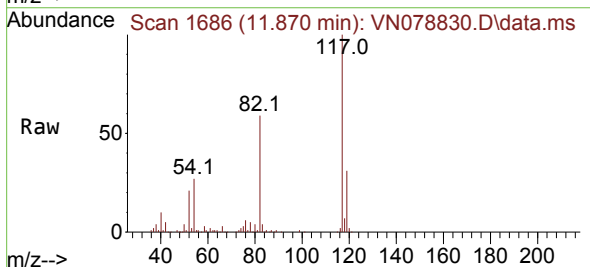
Instrument :
MSVOA_N
ClientSampleId :

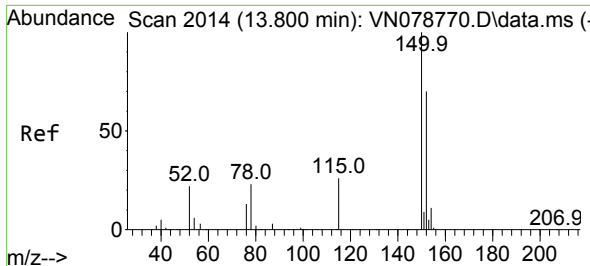
Tgt Ion: 95 Resp: 111553
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 76.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

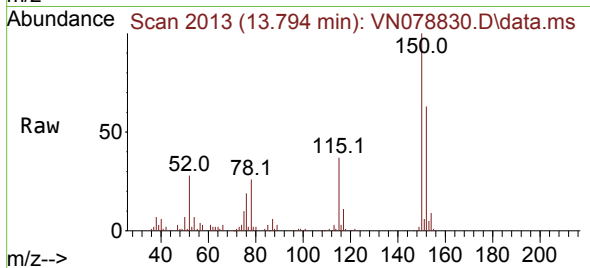
Tgt Ion: 117 Resp: 304716
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 31.5 25.6 38.4



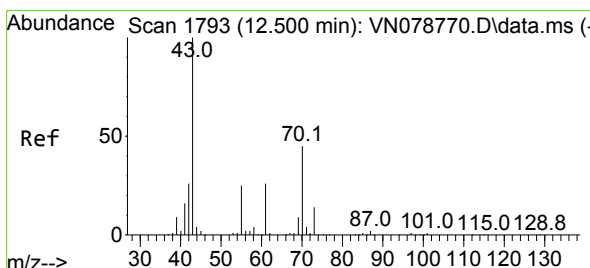
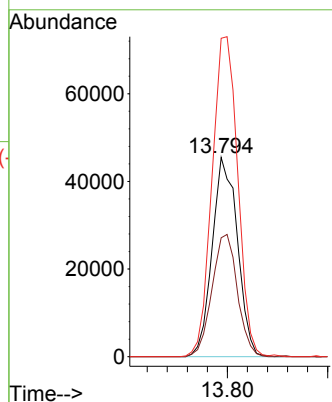
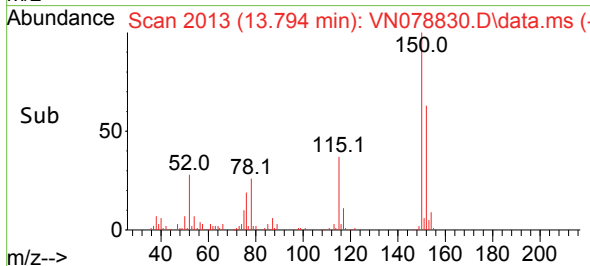


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2014
Delta R.T. -0.006 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

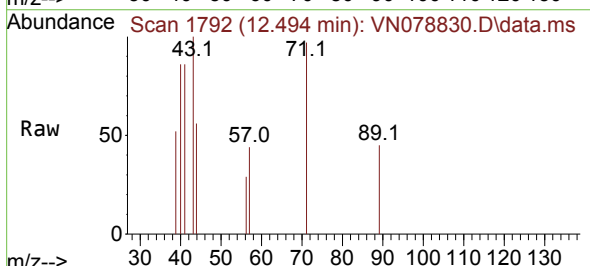
Instrument :
MSVOA_N
ClientSampleId :



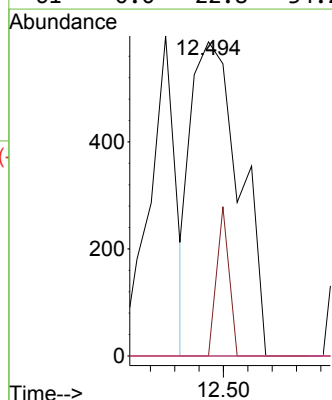
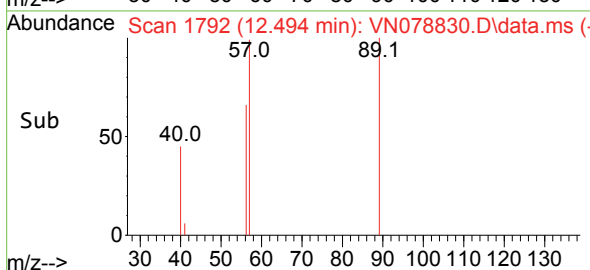
Tgt Ion:152 Resp: 79292
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 164.1 0.0 355.8

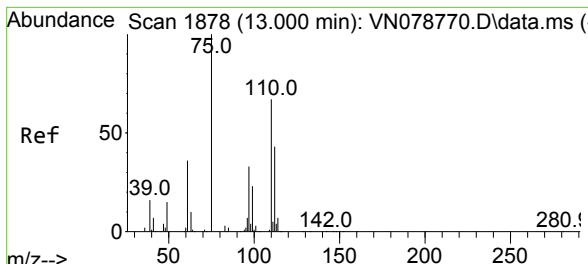


#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19



Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
70 12.1 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

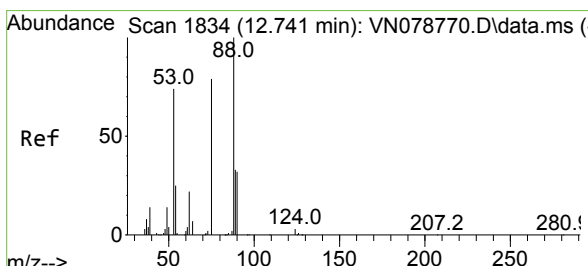
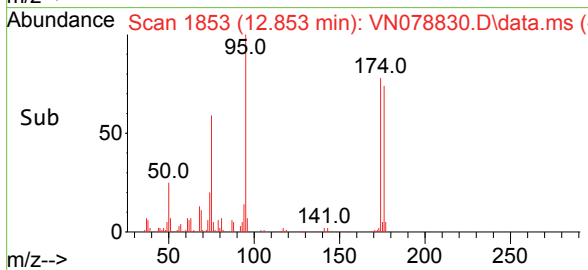
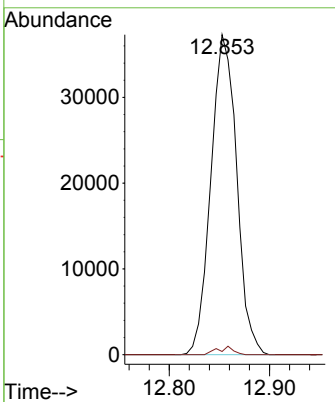
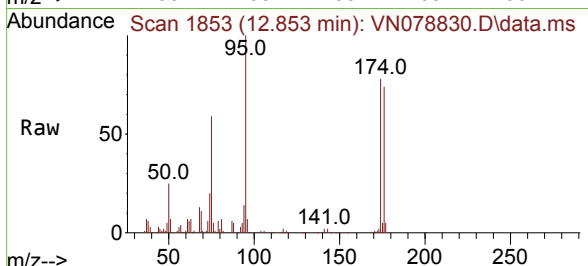




#76
 1,2,3-Trichloropropane
 Concen: 31.100 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078830.D
 Acq: 10 Aug 2023 12:19

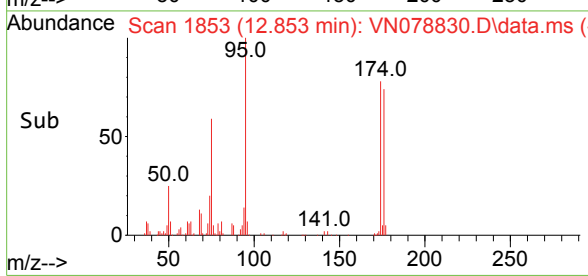
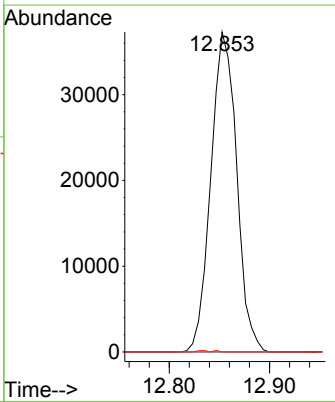
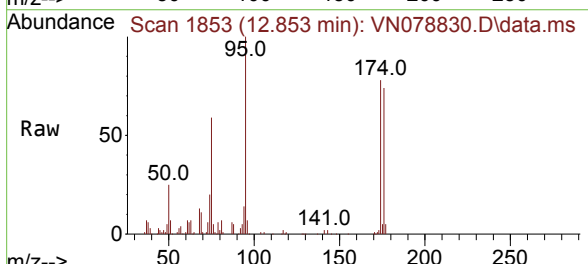
Instrument :
 MSVOA_N
 ClientSampleId :

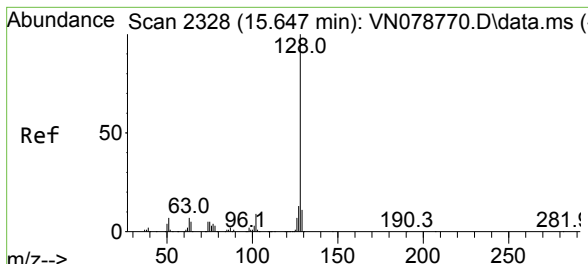
Tgt Ion: 75 Resp: 66672
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.452 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.111 min
 Lab File: VN078830.D
 Acq: 10 Aug 2023 12:19

Tgt Ion: 75 Resp: 66672
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.3 38.8 58.2#

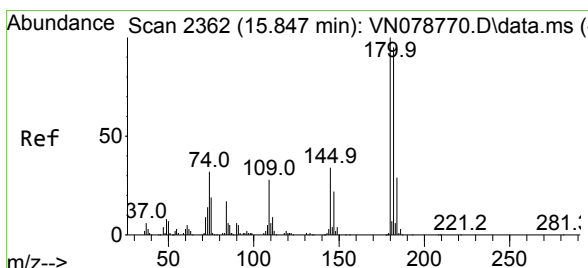
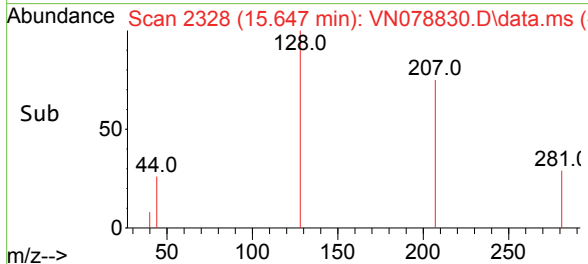
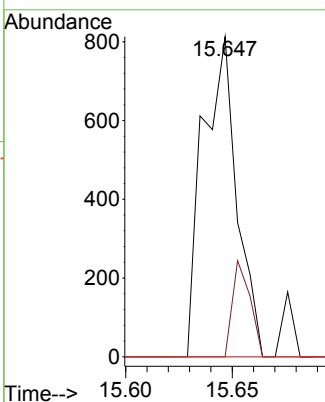
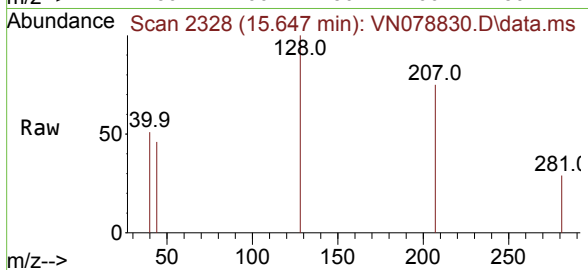




#95
Naphthalene
Concen: 0.341 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	901
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.0	15.0#
129	0.0	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.431 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078830.D
Acq: 10 Aug 2023 12:19

Tgt Ion:	180	Resp:	406
Ion	Ratio	Lower	Upper
180	100		
182	31.3	46.2	138.6#
145	0.0	17.5	52.6#

