

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078834.D
 Acq On : 10 Aug 2023 13:55
 Operator : JC\MD
 Sample : PB154726ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:51:23 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

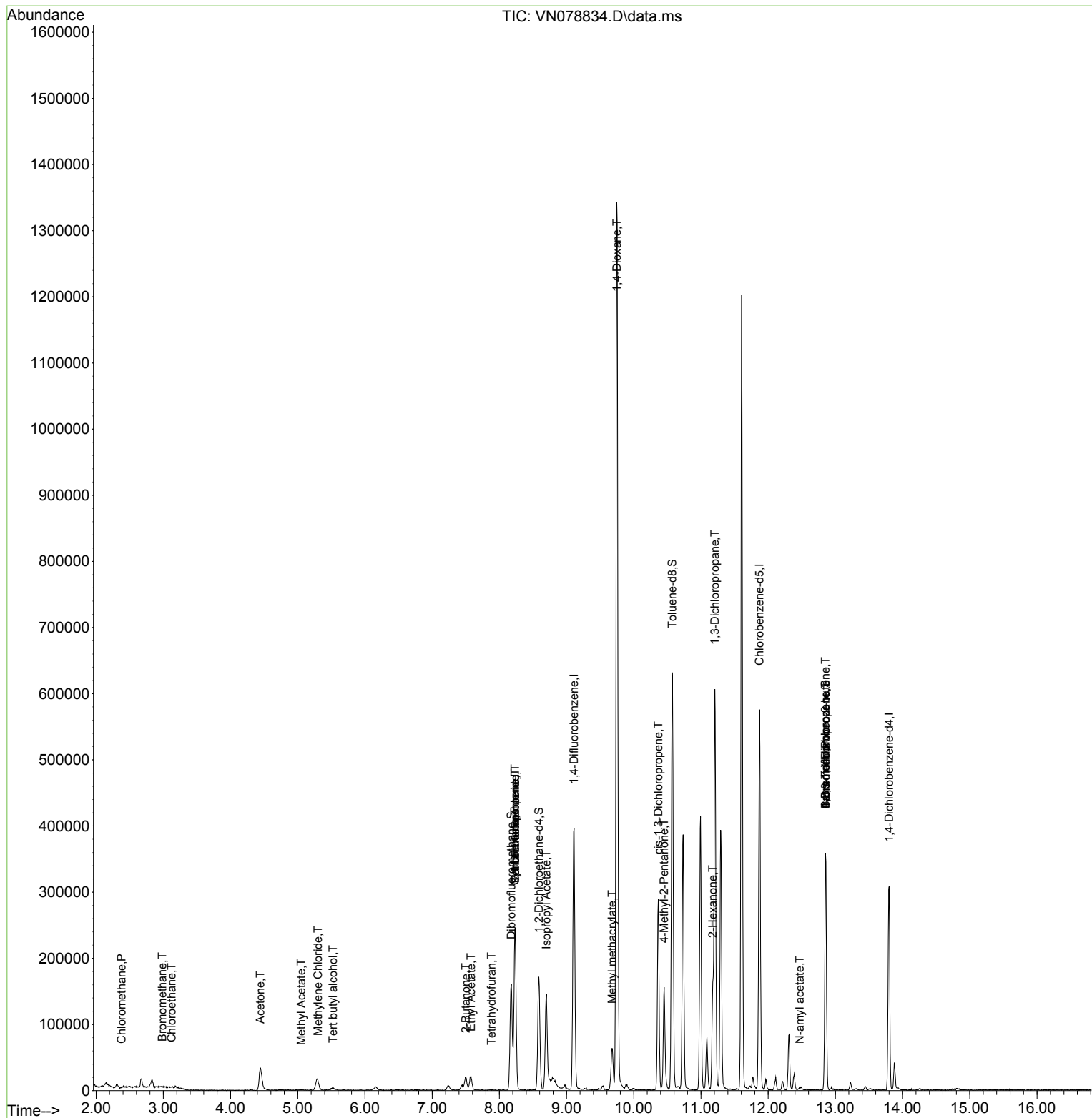
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	167872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	330186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	304917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	78140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	132470	52.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.280%	
35) Dibromofluoromethane	8.177	113	112041	50.247	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.500%	
50) Toluene-d8	10.571	98	421793	51.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	12.853	95	115200	46.976	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.960%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	719	0.249	ug/l #	42
5) Bromomethane	2.983	94	911	0.471	ug/l #	32
6) Chloroethane	3.124	64	832	0.464	ug/l #	43
11) Tert butyl alcohol	5.524	59	650	1.472	ug/l #	79
16) Acetone	4.442	43	64433	66.542	ug/l	97
18) Methyl Acetate	5.053	43	2308	0.531	ug/l #	42
20) Methylene Chloride	5.300	84	11867	4.948	ug/l #	83
25) 2-Butanone	7.500	43	31004	18.908	ug/l #	74
29) Tetrahydrofuran	7.882	42	1034	0.942	ug/l #	20
31) Cyclohexane	8.230	56	5126	1.386	ug/l #	44
36) 1,1-Dichloropropene	8.235	75	17060	4.932	ug/l #	48
37) Ethyl Acetate	7.577	43	34181	9.293	ug/l #	88
38) Carbon Tetrachloride	8.235	117	18922	5.306	ug/l #	18
43) Isopropyl Acetate	8.700	43	171482	27.653	ug/l #	76
48) Methyl methacrylate	9.676	41	4490	1.567	ug/l #	30
49) 1,4-Dioxane	9.747	88	93	1.999	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	112964	29.741	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	47256	11.457	ug/l #	72
57) 1,3-Dichloropropane	11.206	76	6068	1.374	ug/l #	42
59) 2-Hexanone	11.176	43	131433	48.869	ug/l #	19
71) Bromoform	12.853	173	897	0.478	ug/l #	28
74) N-amyl acetate	12.470	43	2800	0.803	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	63571	30.091	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63571	80.744	ug/l #	15

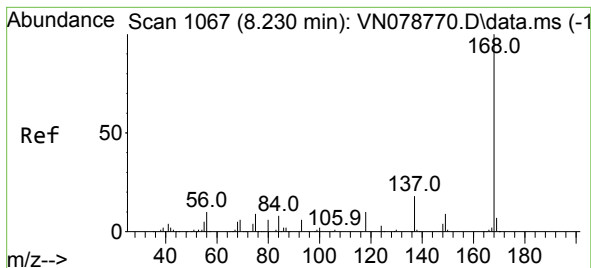
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078834.D

Acq: 10 Aug 2023 13:55

Instrument :

MSVOA_N

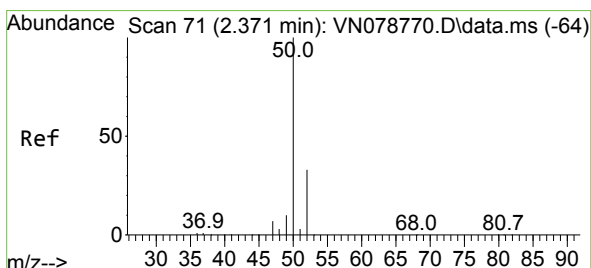
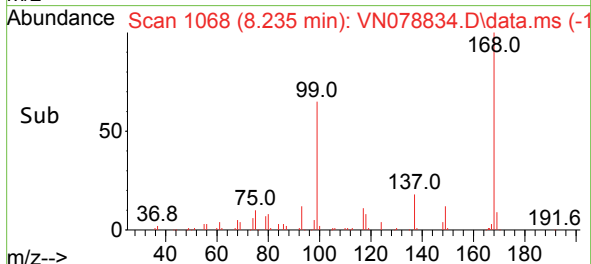
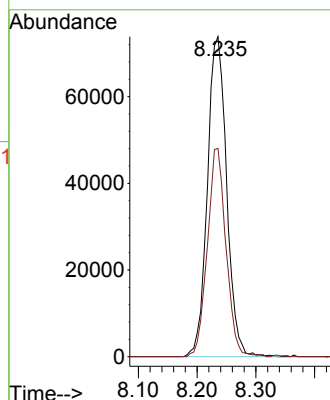
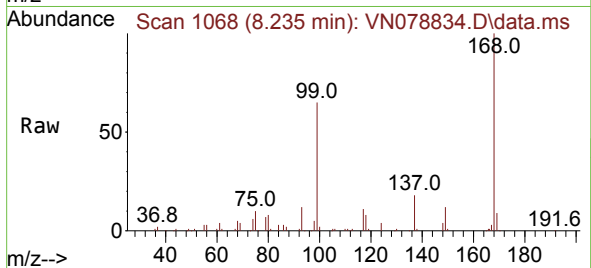
ClientSampleId :

Tgt Ion:168 Resp: 167872

Ion Ratio Lower Upper

168 100

99 65.0 53.0 79.6



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078834.D

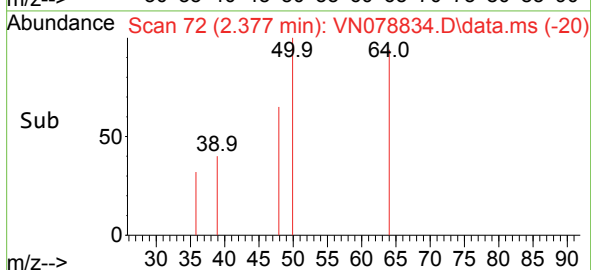
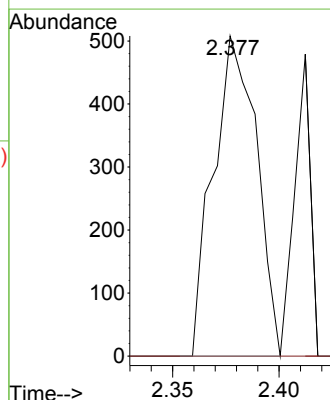
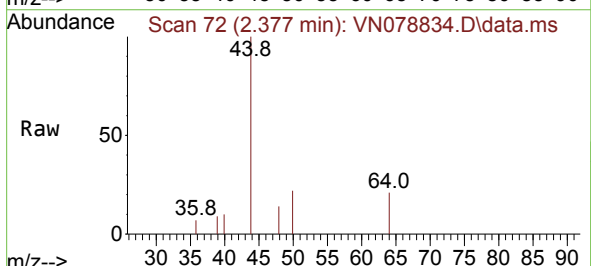
Acq: 10 Aug 2023 13:55

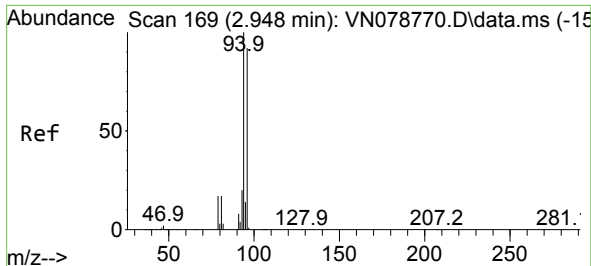
Tgt Ion: 50 Resp: 719

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

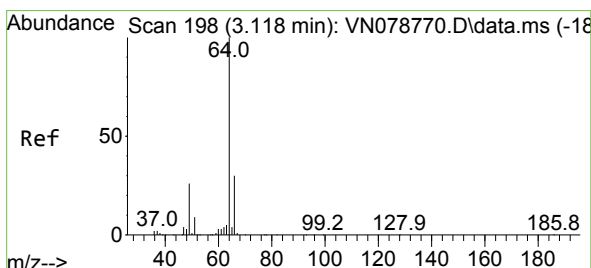
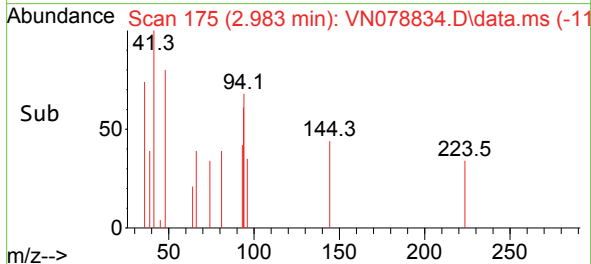
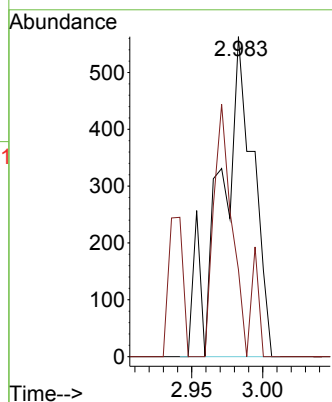
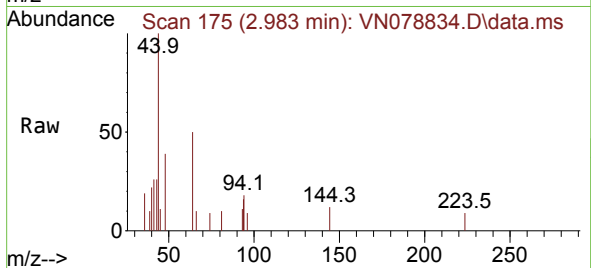




#5
Bromomethane
Concen: 0.471 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

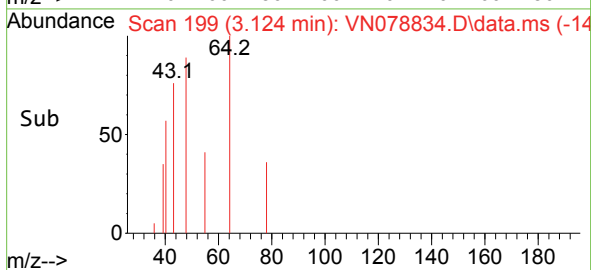
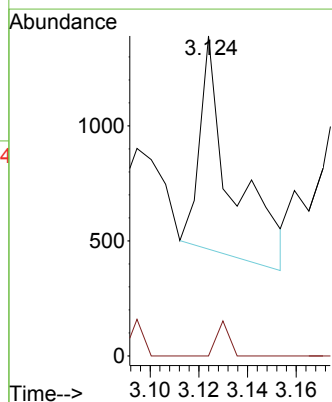
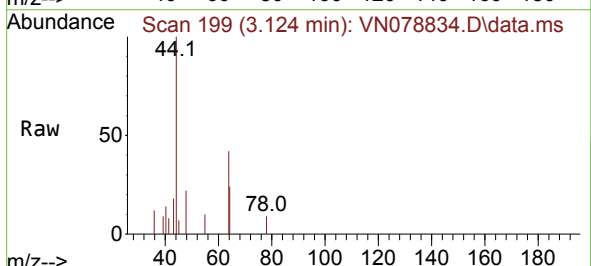
Instrument :
MSVOA_N
ClientSampleId :

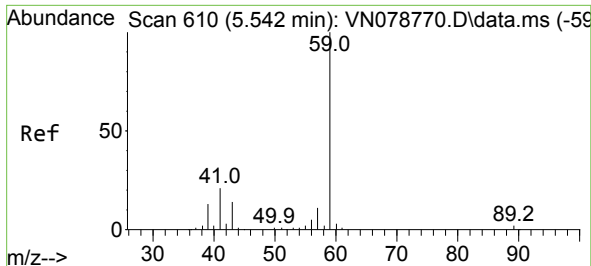
Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 27.2 73.1 109.7#



#6
Chloroethane
Concen: 0.464 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 1.472 ug/l

RT: 5.524 min Scan# 610

Delta R.T. -0.018 min

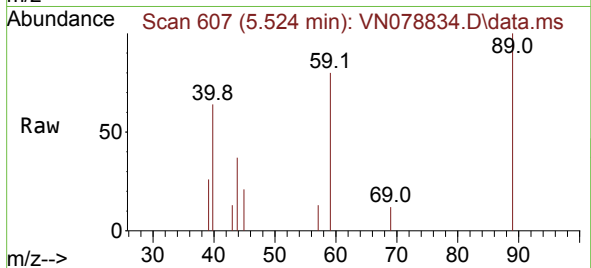
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Acq: 10 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

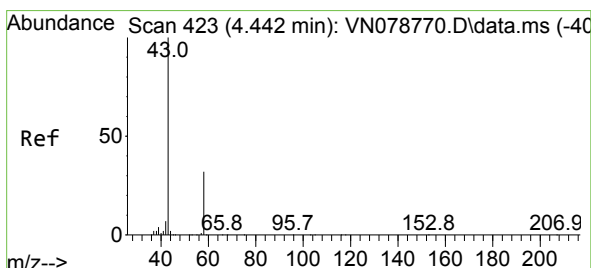
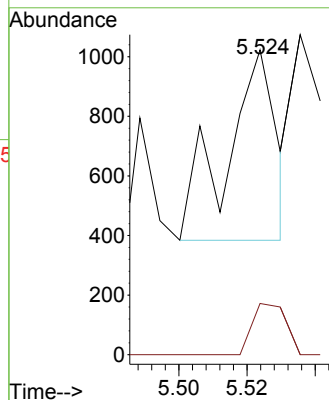
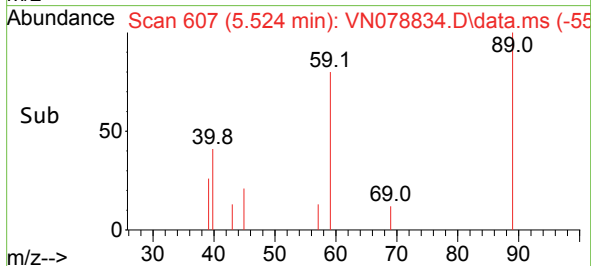


Tgt Ion: 59 Resp: 650

Ion Ratio Lower Upper

59 100

57 18.0 8.2 12.4#



#16

Acetone

Concen: 66.542 ug/l

RT: 4.442 min Scan# 423

Delta R.T. -0.000 min

Lab File: VN078834.D

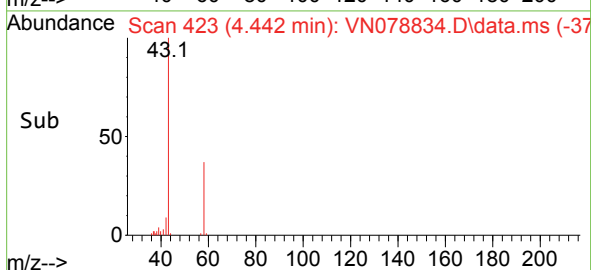
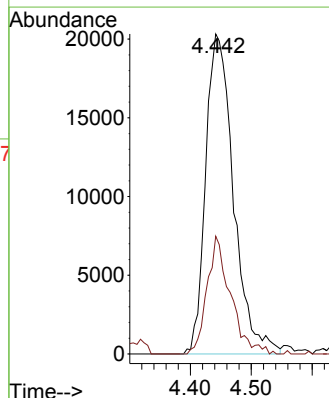
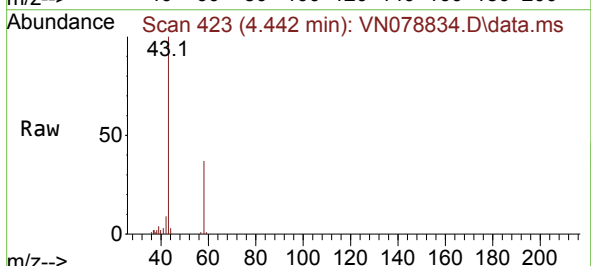
Acq: 10 Aug 2023 13:55

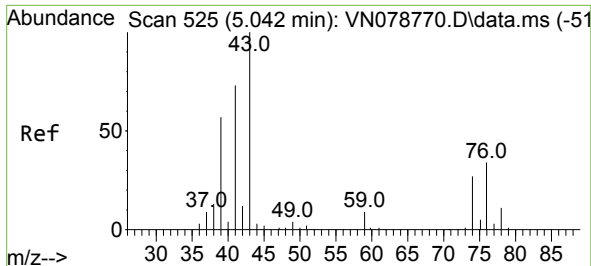
Tgt Ion: 43 Resp: 64433

Ion Ratio Lower Upper

43 100

58 36.8 28.0 42.0

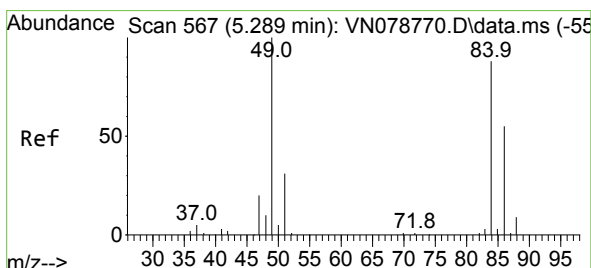
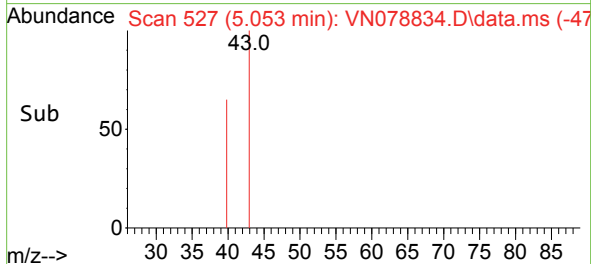
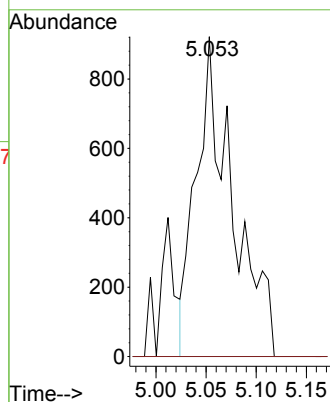
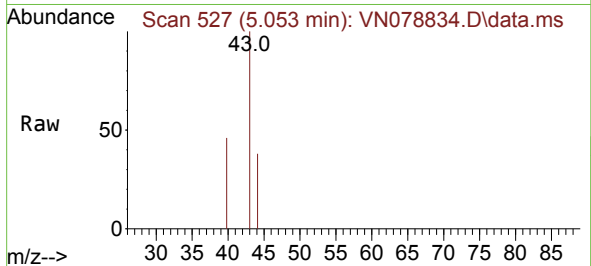




#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

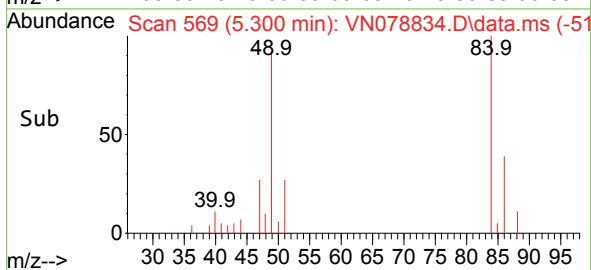
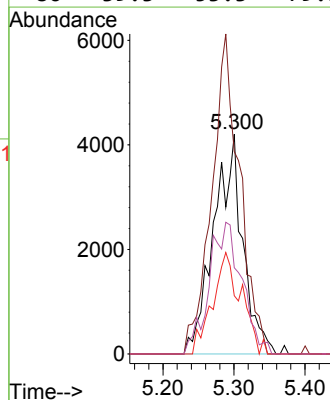
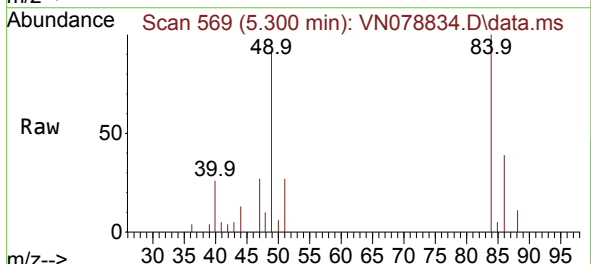
Instrument :
MSVOA_N
ClientSampleId :

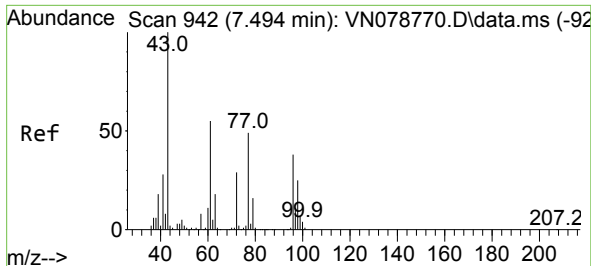
Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 4.948 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.012 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

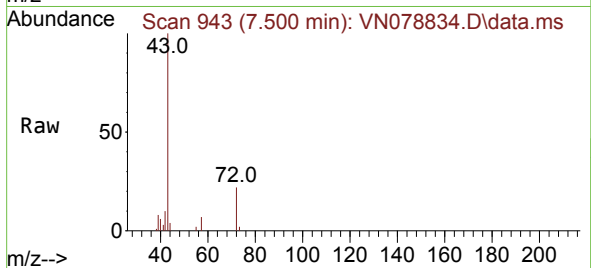
Tgt Ion: 84 Resp: 11867
Ion Ratio Lower Upper
84 100
49 92.1 79.7 119.5
51 26.5 25.2 37.8
86 39.3 53.3 79.9#



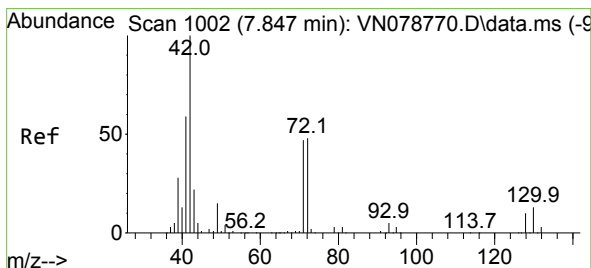
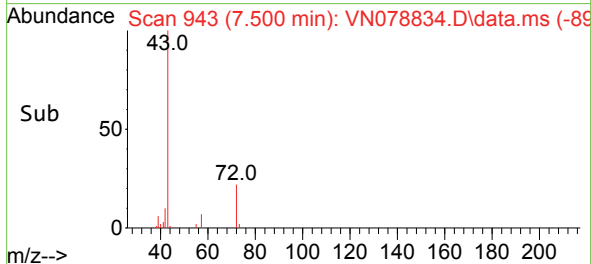
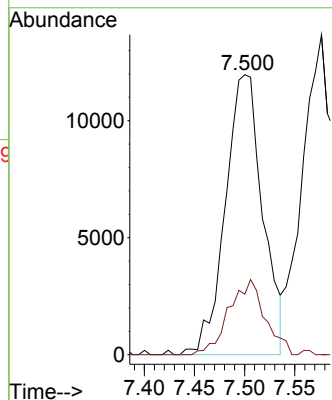


#25
2-Butanone
Concen: 18.908 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :

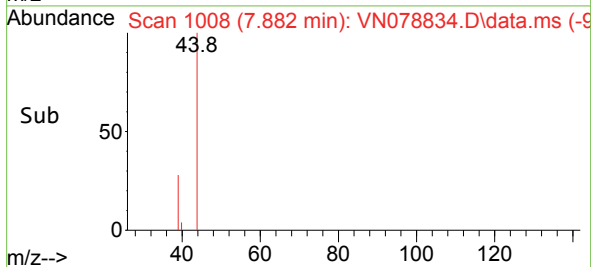
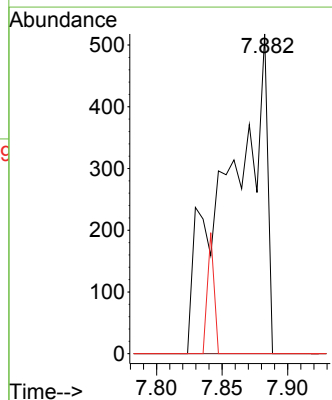
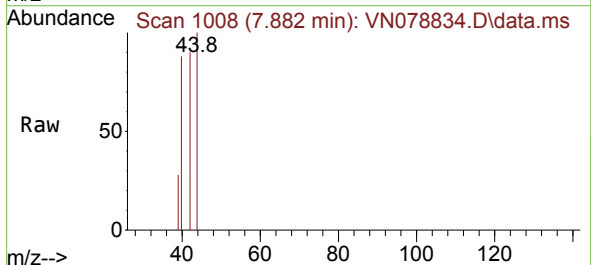


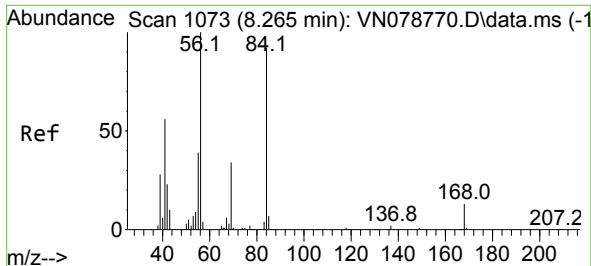
Tgt Ion: 43 Resp: 31004
Ion Ratio Lower Upper
43 100
72 22.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.942 ug/l
RT: 7.882 min Scan# 1008
Delta R.T. 0.035 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

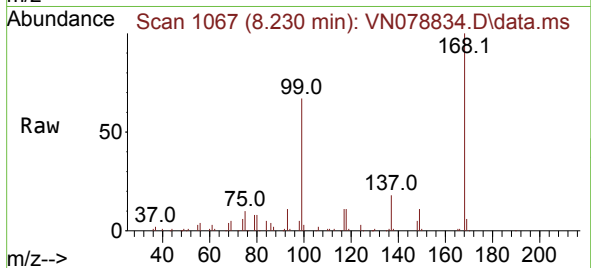
Tgt Ion: 42 Resp: 1034
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



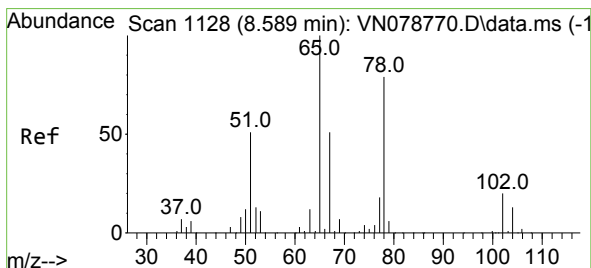
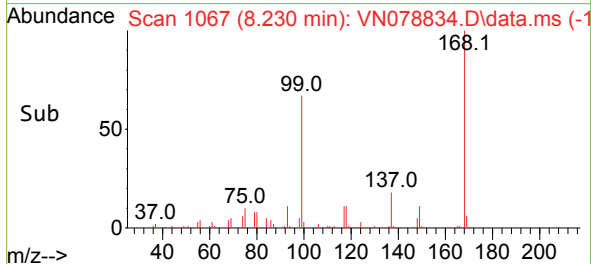
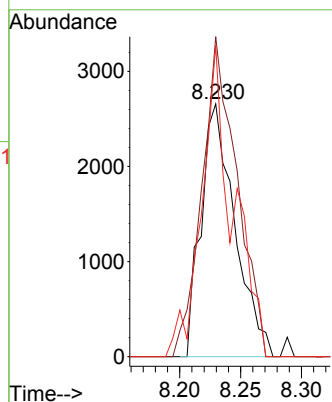


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.036 min
Lab File: VN078834.D
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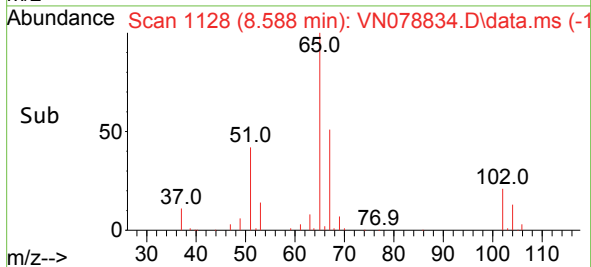
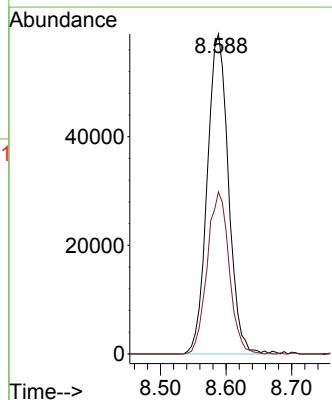
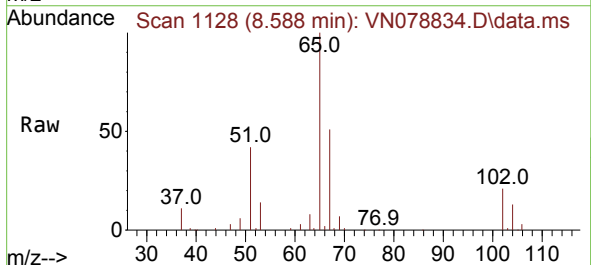


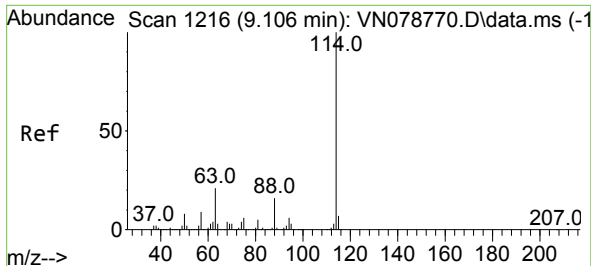
Tgt Ion: 56 Resp: 5126
Ion Ratio Lower Upper
56 100
69 126.6 26.8 40.2#
84 123.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.637 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Tgt Ion: 65 Resp: 132470
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

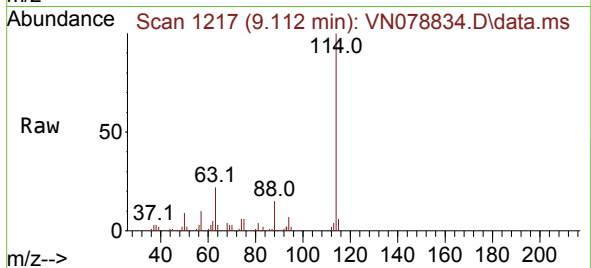
Lab File: VN078834.D

Acq: 10 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :



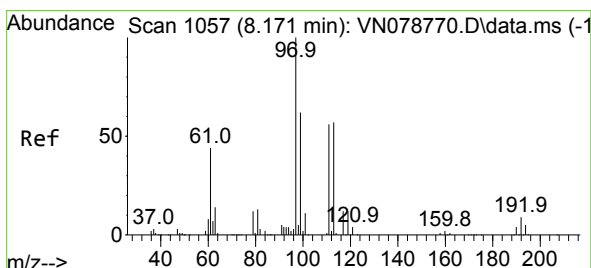
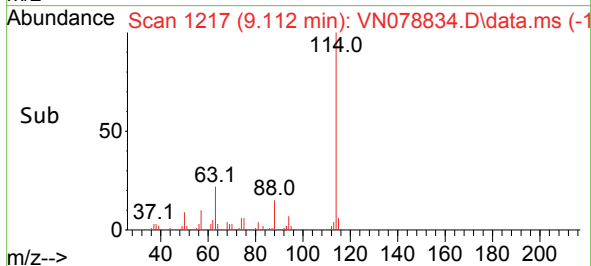
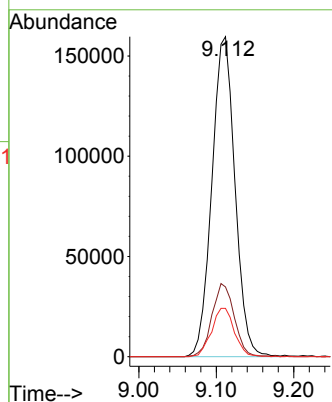
Tgt Ion:114 Resp: 330186

Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.247 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078834.D

Acq: 10 Aug 2023 13:55

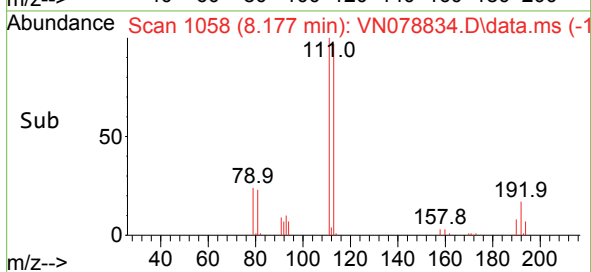
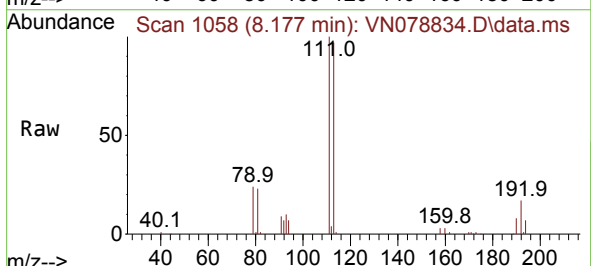
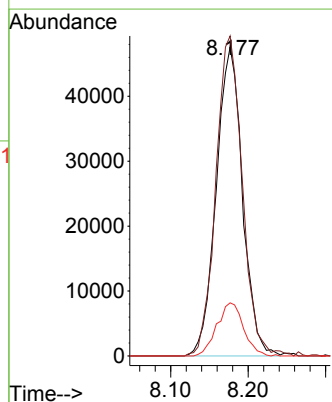
Tgt Ion:113 Resp: 112041

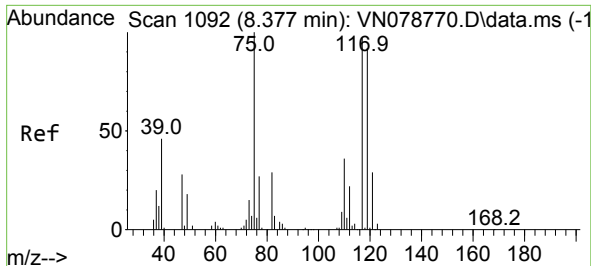
Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

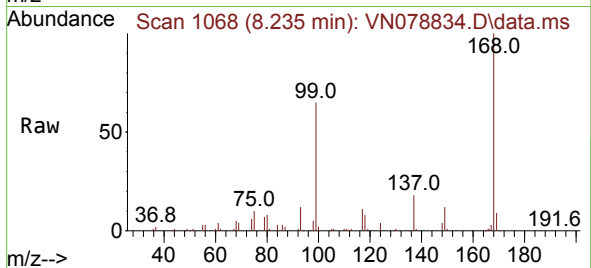
192 17.4 12.7 19.1



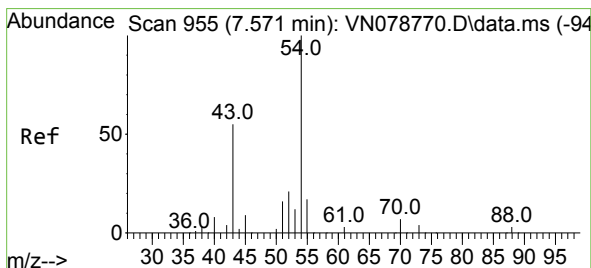
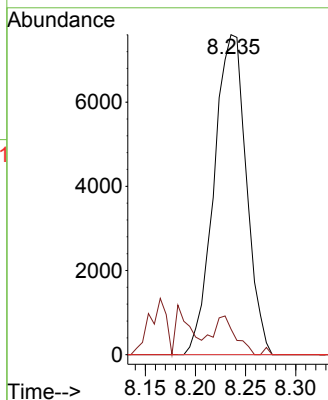
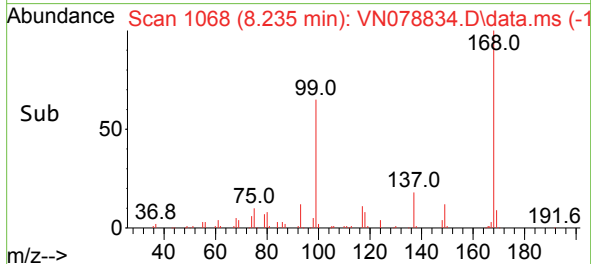


#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

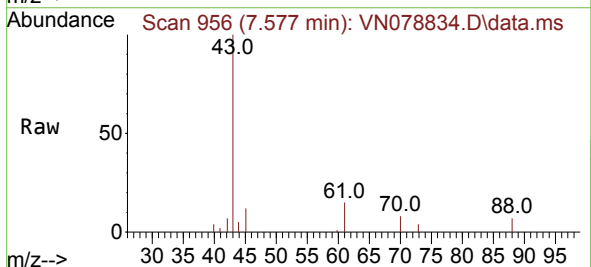
Instrument :
MSVOA_N
ClientSampleId :



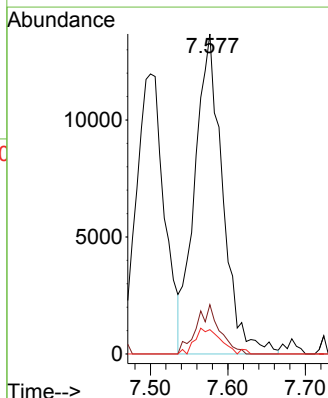
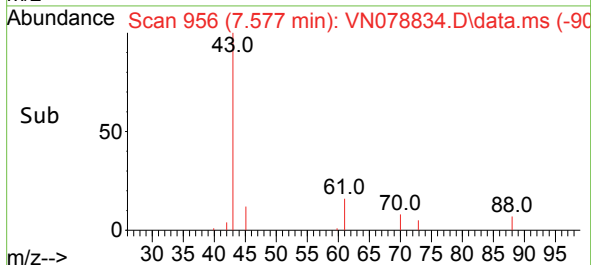
Tgt Ion: 75 Resp: 17060
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#

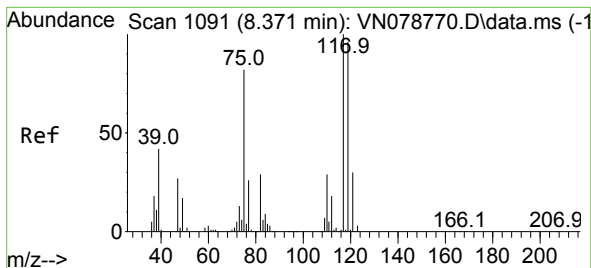


#37
Ethyl Acetate
Concen: 9.293 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55



Tgt Ion: 43 Resp: 34181
Ion Ratio Lower Upper
43 100
61 12.9 13.2 19.8#
70 7.2 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.306 ug/l

RT: 8.235 min Scan# 1107

Delta R.T. -0.136 min

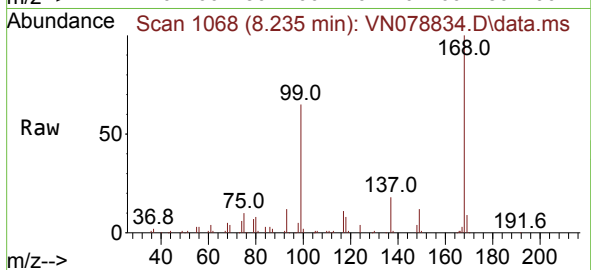
Lab File: VN078834.D

Acq: 10 Aug 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :



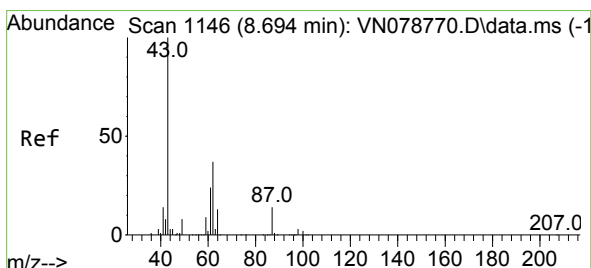
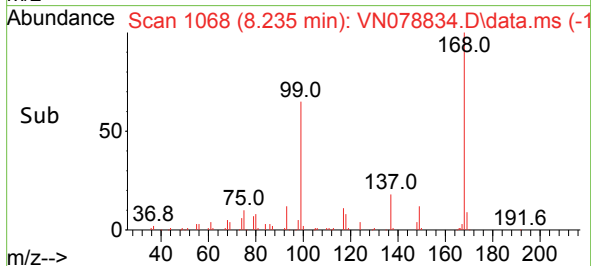
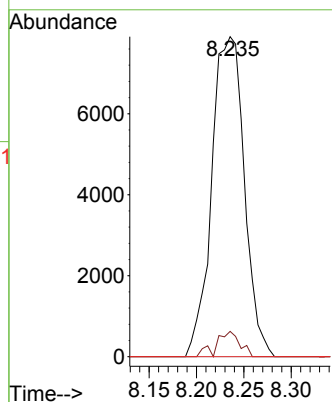
Tgt Ion:117 Resp: 18922

Ion Ratio Lower Upper

117 100

119 7.9 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 27.653 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN078834.D

Acq: 10 Aug 2023 13:55

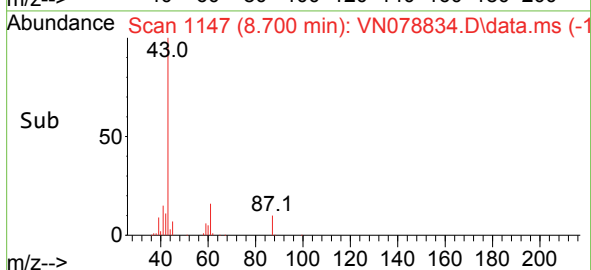
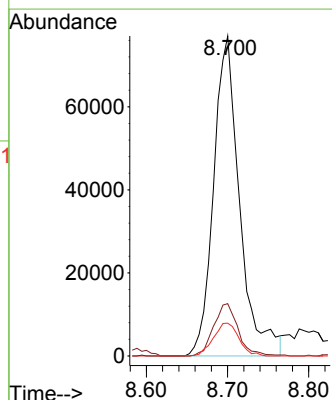
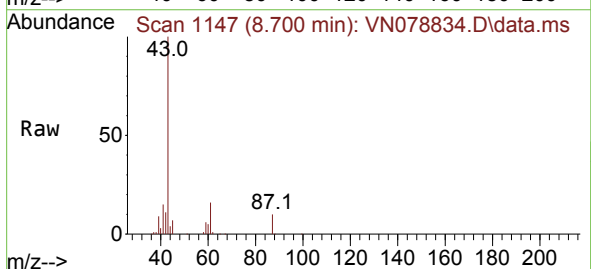
Tgt Ion: 43 Resp: 171482

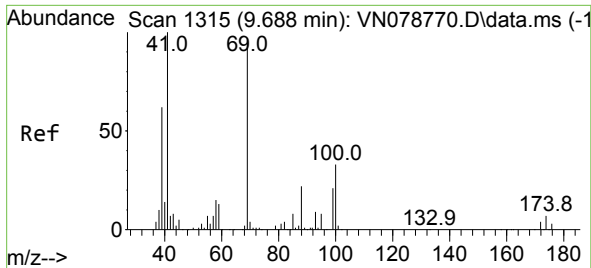
Ion Ratio Lower Upper

43 100

61 15.5 24.7 37.1#

87 10.1 14.6 21.8#

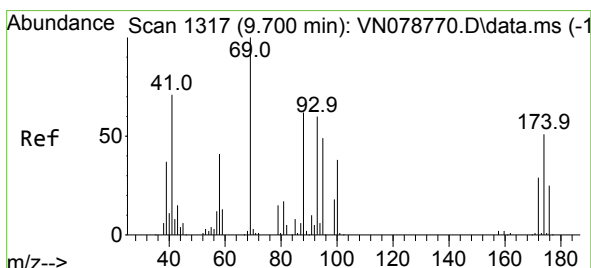
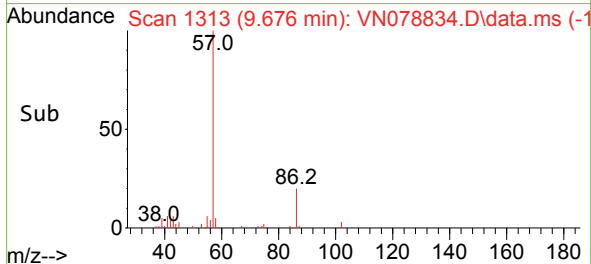
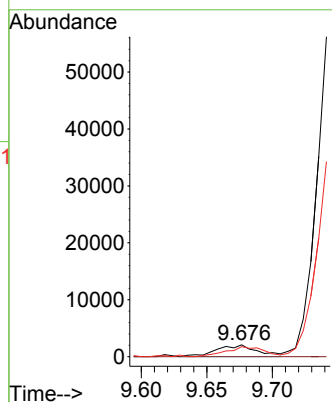
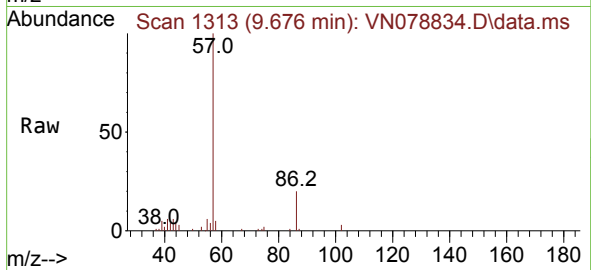




#48
Methyl methacrylate
Concen: 1.567 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

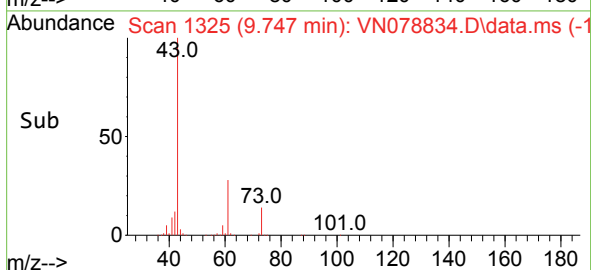
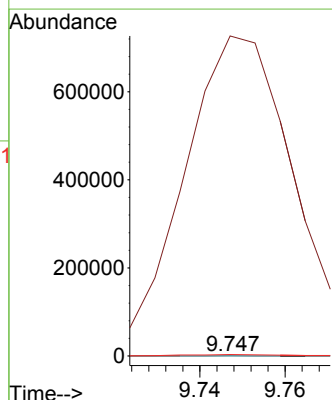
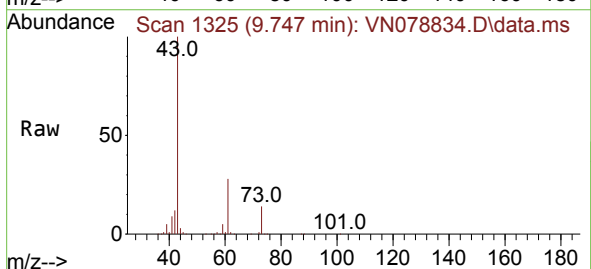
Instrument :
MSVOA_N
ClientSampleId :

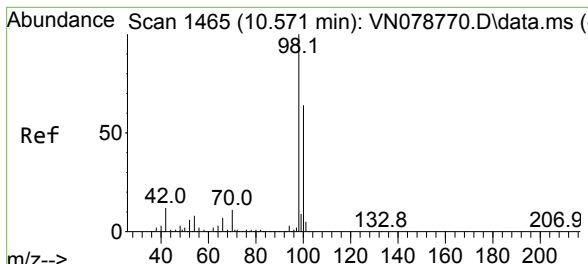
Tgt Ion: 41 Resp: 4490
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 78.3 54.6 81.8



#49
1,4-Dioxane
Concen: 1.999 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 1442817.2 17.0 25.6#
58 6450.5 47.0 70.4#

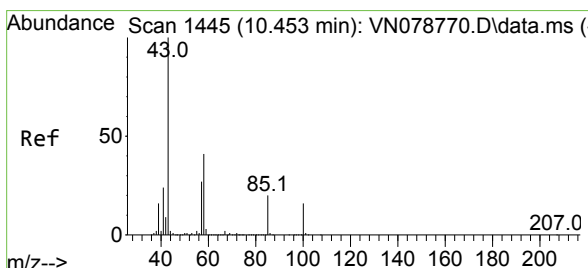
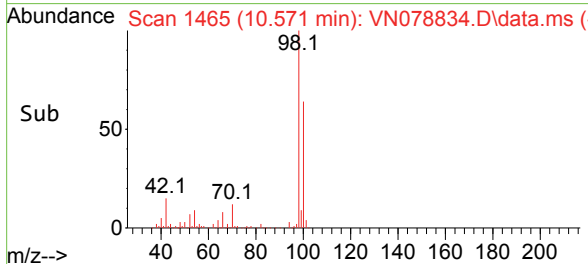
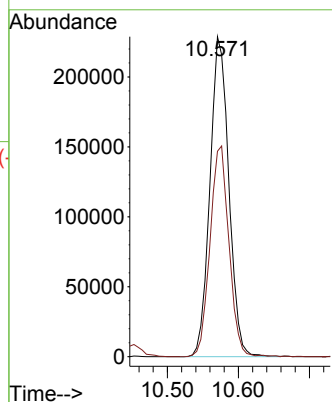
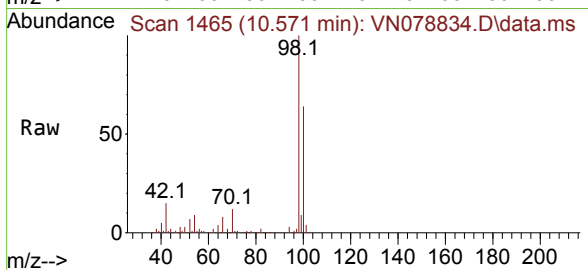




#50
Toluene-d8
Concen: 51.403 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

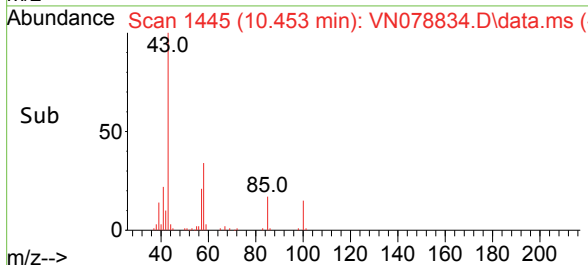
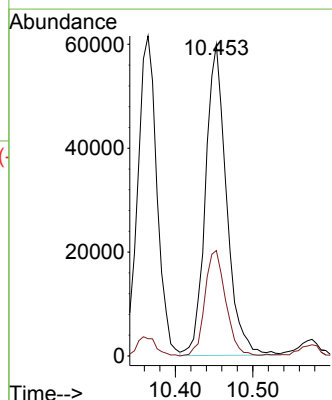
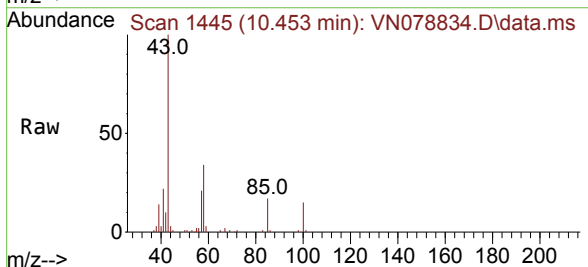
Instrument :
MSVOA_N
ClientSampleId :

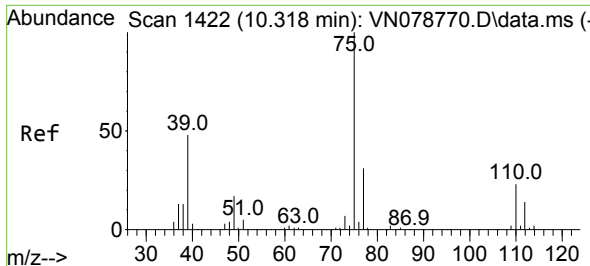
Tgt Ion: 98 Resp: 421793
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.741 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Tgt Ion: 43 Resp: 112964
Ion Ratio Lower Upper
43 100
58 33.6 36.6 54.8#

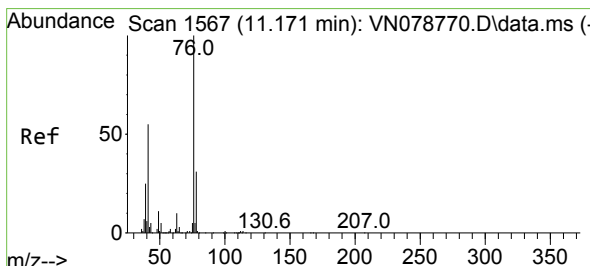
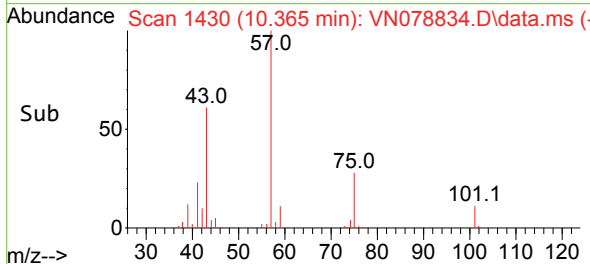
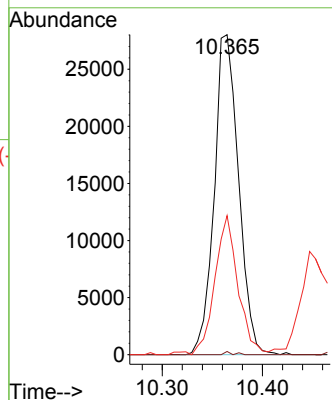
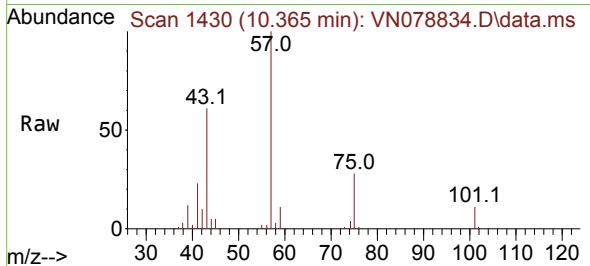




#54
 cis-1,3-Dichloropropene
 Concen: 11.457 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078834.D
 Acq: 10 Aug 2023 13:55

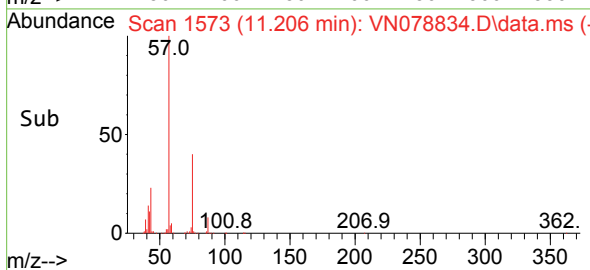
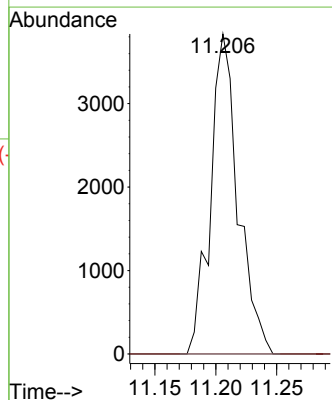
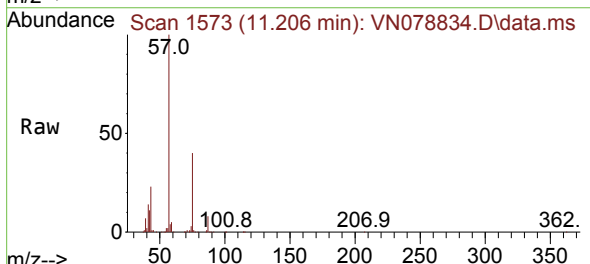
Instrument :
 MSVOA_N
 ClientSampleId :

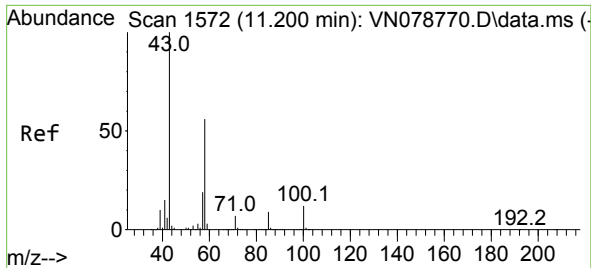
Tgt Ion: 75 Resp: 47256
 Ion Ratio Lower Upper
 75 100
 77 1.0 26.1 39.1#
 39 42.7 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.374 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078834.D
 Acq: 10 Aug 2023 13:55

Tgt Ion: 76 Resp: 6068
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

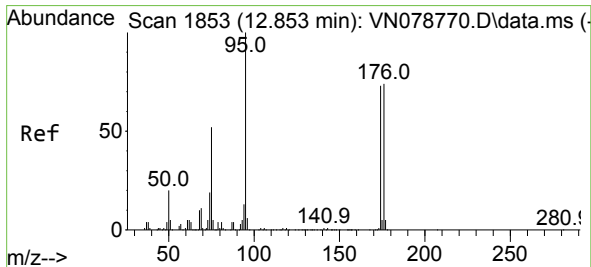
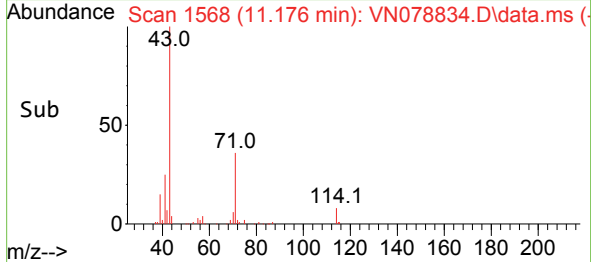
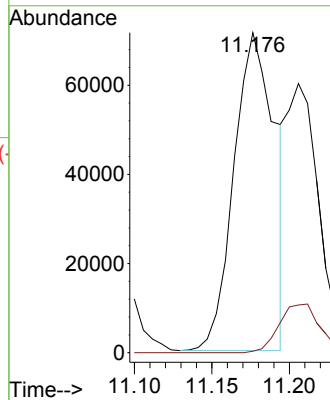
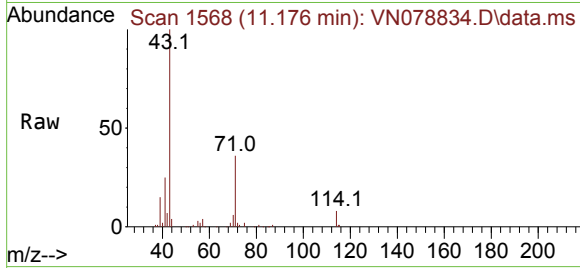




#59
2-Hexanone
Concen: 48.869 ug/l
RT: 11.176 min Scan# 1117
Delta R.T. -0.024 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

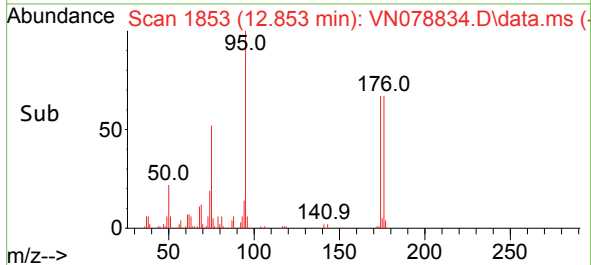
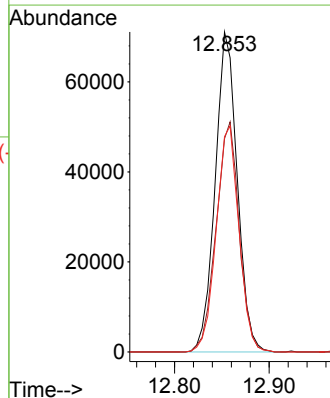
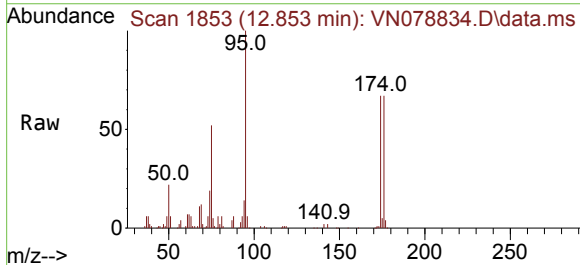
Instrument :
MSVOA_N
ClientSampleId :

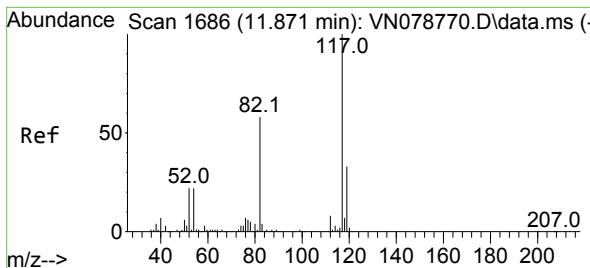
Tgt Ion: 43 Resp: 131433
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.976 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

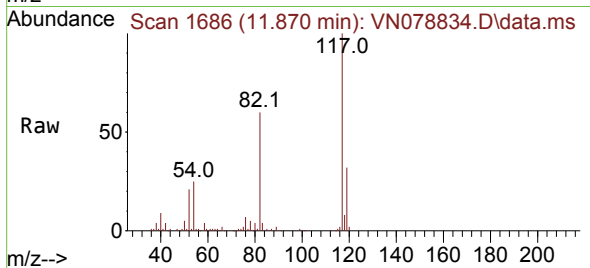
Tgt Ion: 95 Resp: 115200
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 72.5 0.0 135.8



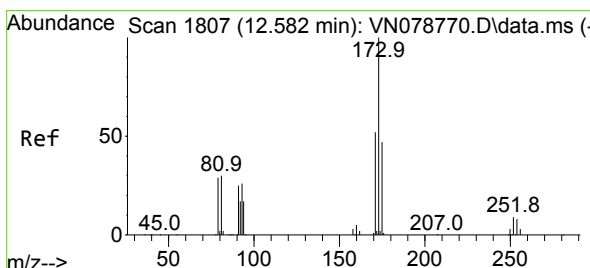
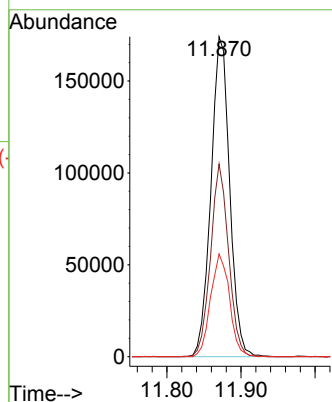
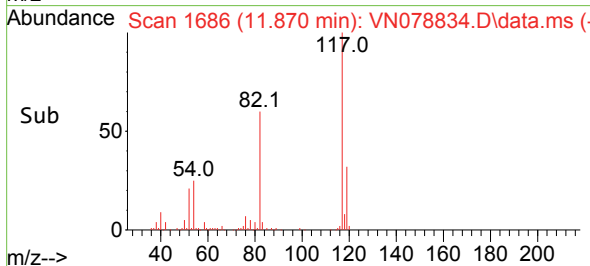


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :

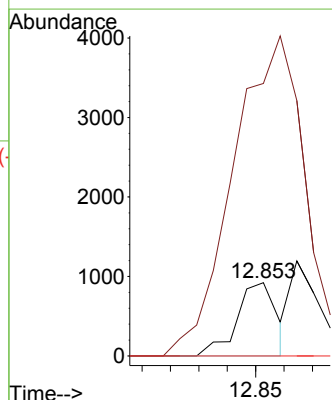
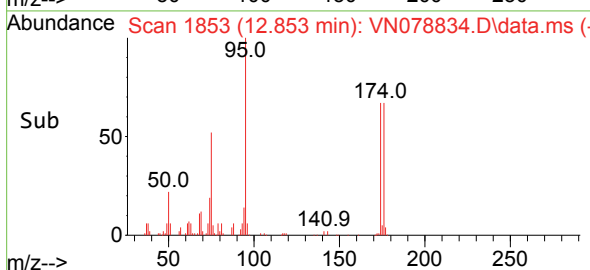
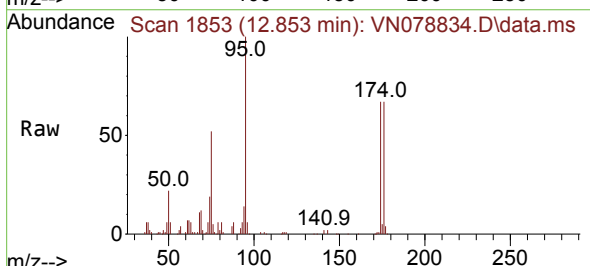


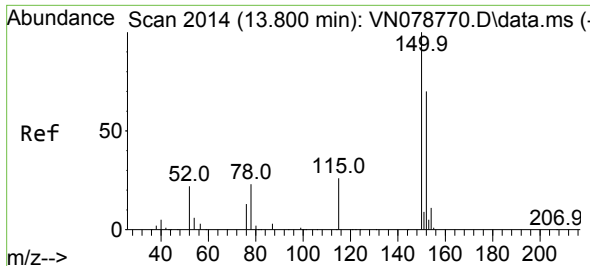
Tgt Ion:117 Resp: 304917
Ion Ratio Lower Upper
117 100
82 60.2 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.478 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

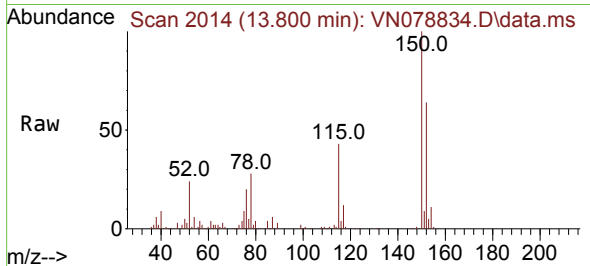
Tgt Ion:173 Resp: 897
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



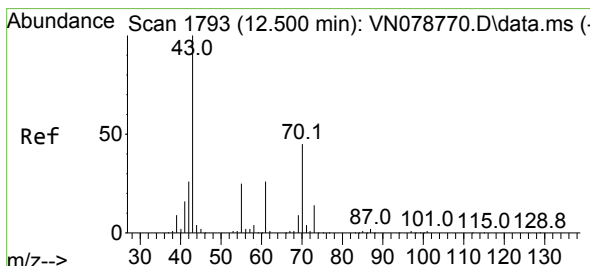
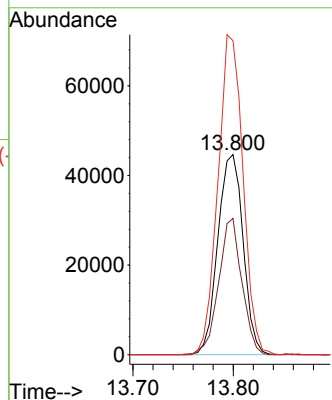
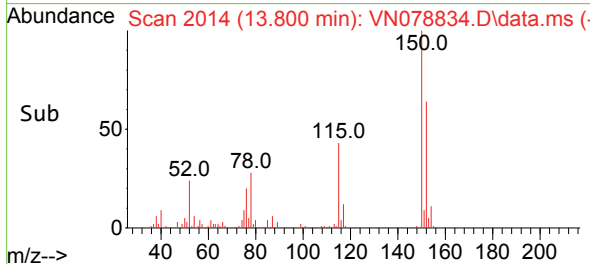


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

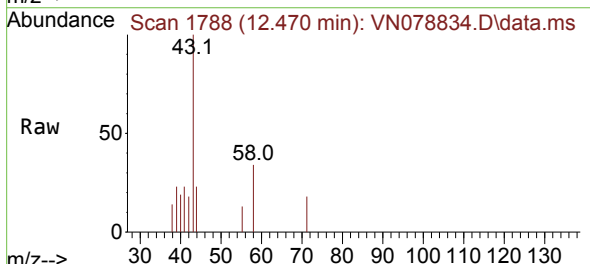
Instrument :
MSVOA_N
ClientSampleId :



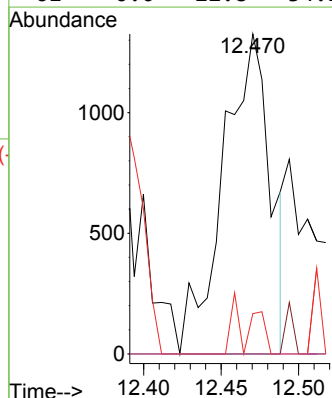
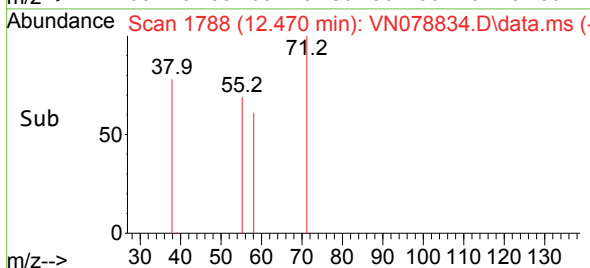
Tgt Ion:152 Resp: 78140
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 158.4 0.0 355.8

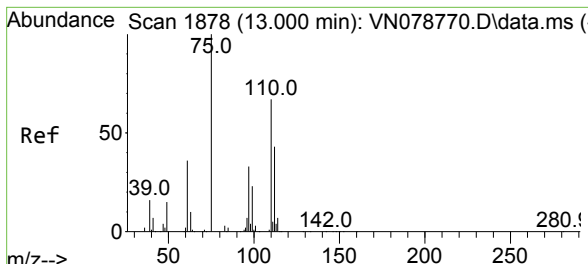


#74
N-ethyl acetate
Concen: 0.803 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.030 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55



Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.2 21.4 32.0#
61 0.0 22.8 34.2#

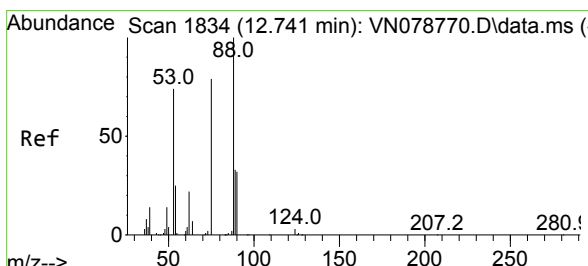
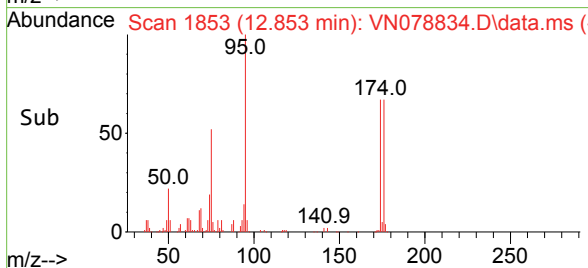
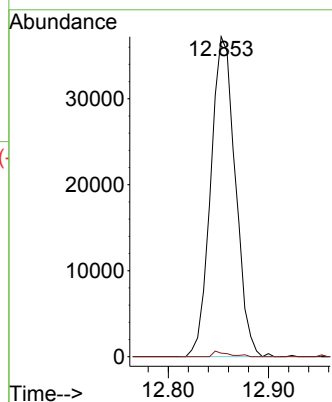
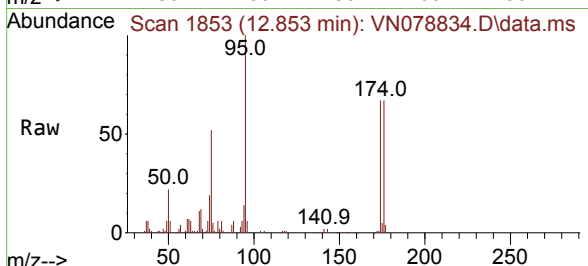




#76
1,2,3-Trichloropropane
Concen: 30.091 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63571
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.744 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078834.D
Acq: 10 Aug 2023 13:55

Tgt Ion: 75 Resp: 63571
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

