

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078839.D
 Acq On : 10 Aug 2023 15:56
 Operator : JC\MD
 Sample : PB154726ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

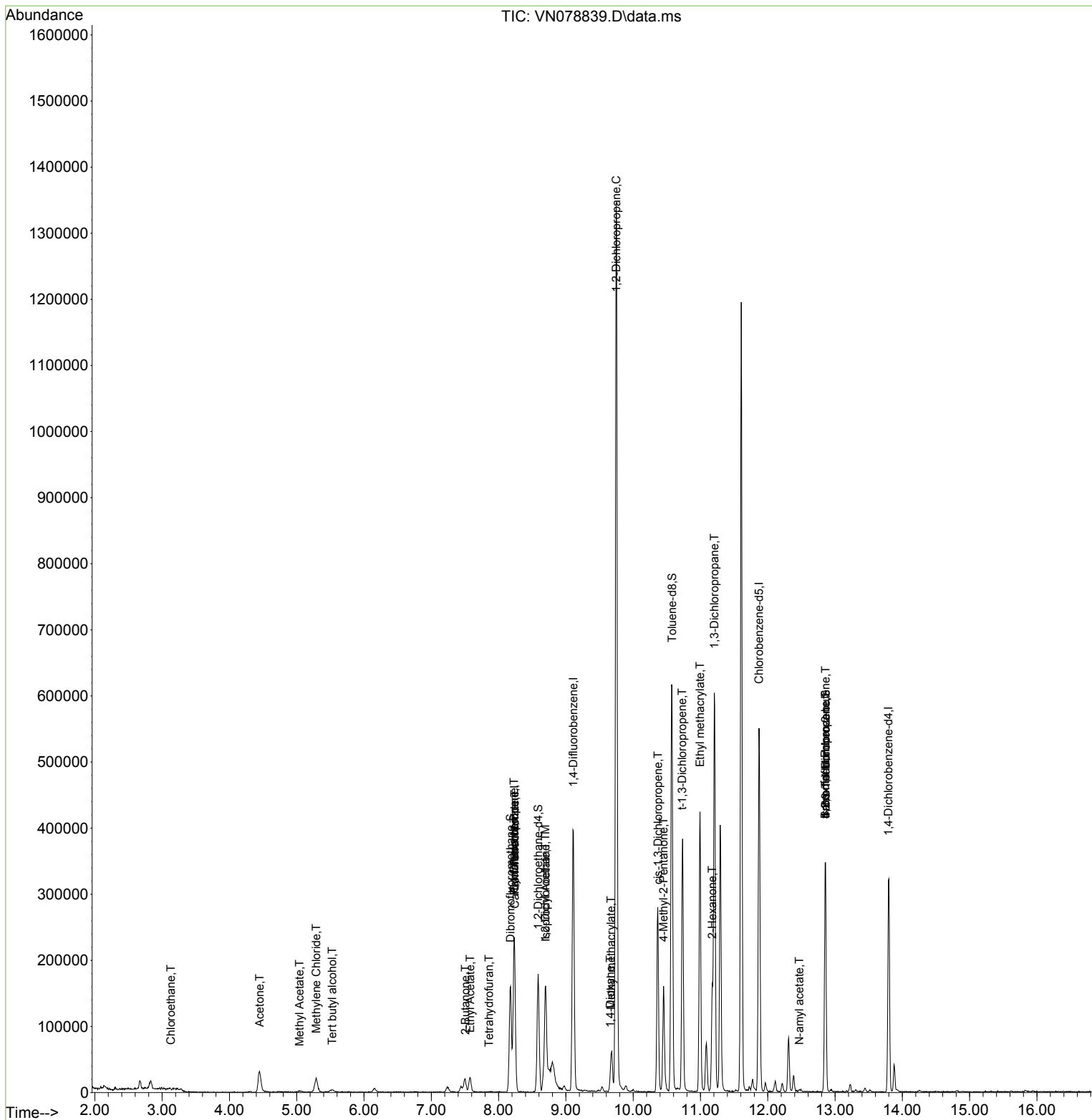
Quant Time: Aug 10 23:53:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

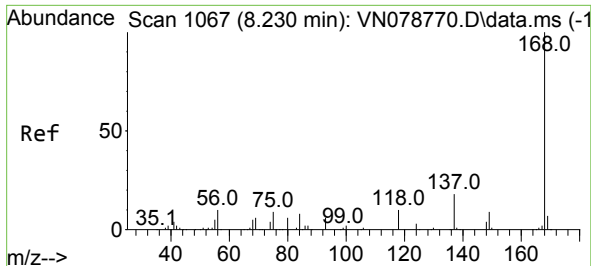
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	163678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	331741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	301719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	134008	54.613	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.220%			
35) Dibromofluoromethane	8.177	113	109176	48.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.460%			
50) Toluene-d8	10.576	98	415461	50.394	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.859	95	113756	46.170	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.340%			
Target Compounds					Qvalue	
6) Chloroethane	3.130	64	450	0.257	ug/l #	45
11) Tert butyl alcohol	5.530	59	1258	2.921	ug/l	98
16) Acetone	4.447	43	61944	65.611	ug/l #	80
18) Methyl Acetate	5.041	43	1737	0.410	ug/l #	87
20) Methylene Chloride	5.289	84	15539	6.646	ug/l	89
25) 2-Butanone	7.506	43	30132	18.847	ug/l #	76
29) Tetrahydrofuran	7.859	42	632	0.591	ug/l #	34
31) Cyclohexane	8.229	56	5239	1.453	ug/l #	32
36) 1,1-Dichloropropene	8.229	75	14452	4.158	ug/l #	50
37) Ethyl Acetate	7.577	43	31247	8.456	ug/l #	92
38) Carbon Tetrachloride	8.241	117	18457	5.151	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	949	0.251	ug/l #	73
43) Isopropyl Acetate	8.700	43	212898	34.171	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1631	0.579	ug/l #	45
48) Methyl methacrylate	9.671	41	5267	1.830	ug/l #	31
49) 1,4-Dioxane	9.659	88	60	1.284	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	115345	30.225	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	806	0.211	ug/l #	3
54) cis-1,3-Dichloropropene	10.371	75	47302	11.414	ug/l #	73
56) Ethyl methacrylate	10.994	69	2210	0.597	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5687	1.282	ug/l #	42
59) 2-Hexanone	11.176	43	129947	48.090	ug/l #	19
71) Bromoform	12.853	173	688	0.371	ug/l #	28
74) N-amyl acetate	12.470	43	2456	0.633	ug/l #	42
76) 1,2,3-Trichloropropane	12.859	75	64087	27.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	64087	73.154	ug/l #	15

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

Quant Time: Aug 10 23:53:12 2023
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Response via : Initial Calibration

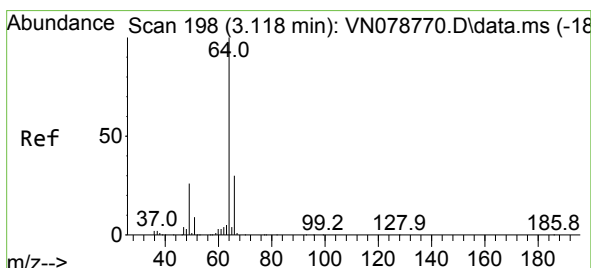
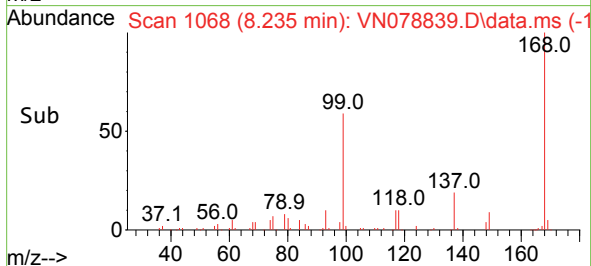
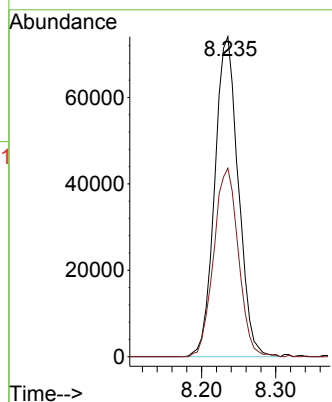
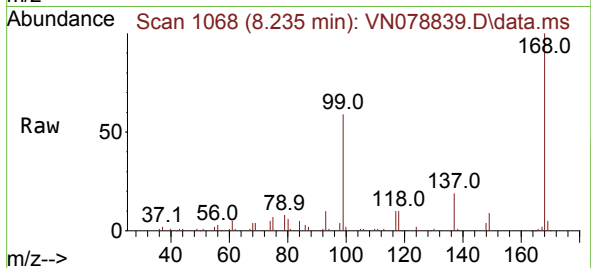




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

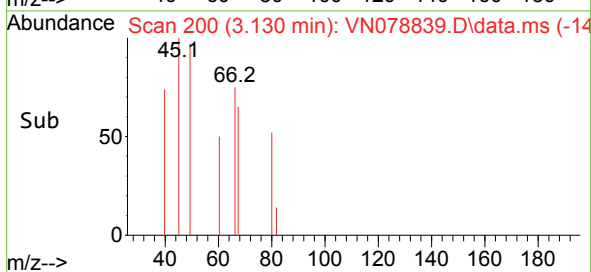
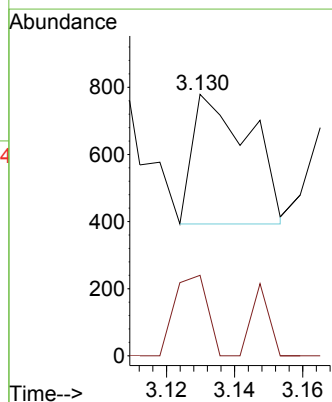
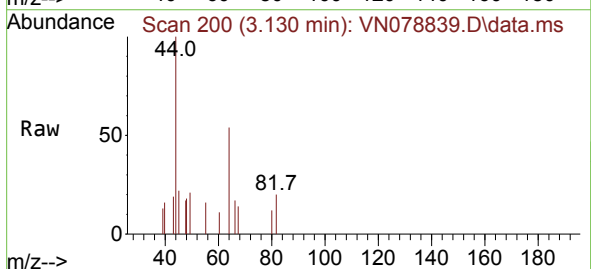
Instrument :
MSVOA_N
ClientSampleId :

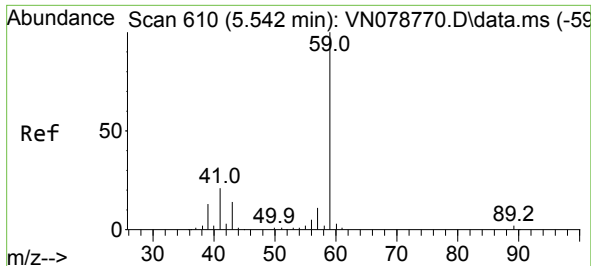
Tgt Ion:168 Resp: 163678
Ion Ratio Lower Upper
168 100
99 58.9 53.0 79.6



#6
Chloroethane
Concen: 0.257 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

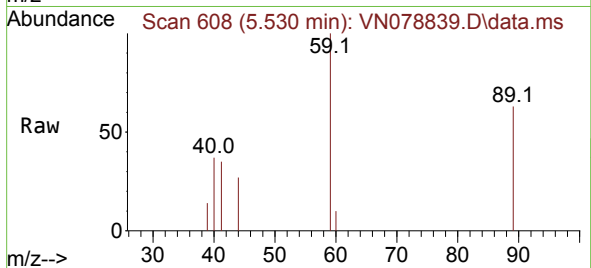
Tgt Ion: 64 Resp: 450
Ion Ratio Lower Upper
64 100
66 62.2 25.4 38.2#



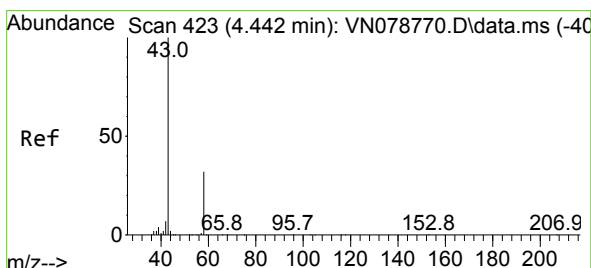
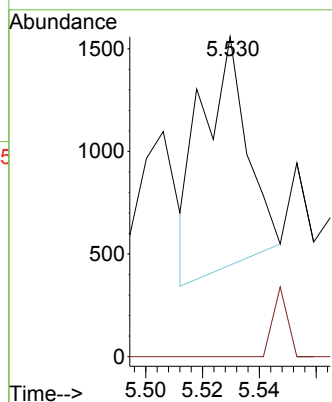
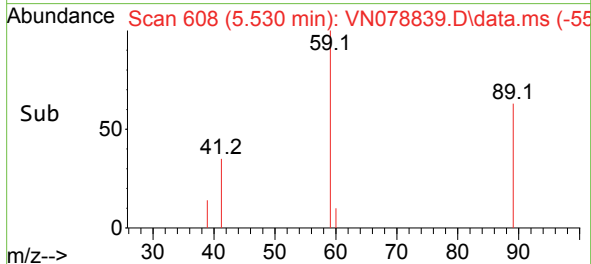


#11
Tert butyl alcohol
Concen: 2.921 ug/l
RT: 5.530 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Instrument :
MSVOA_N
ClientSampleId :

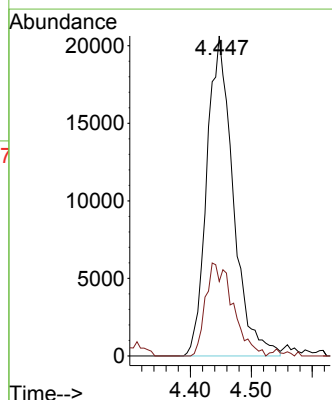
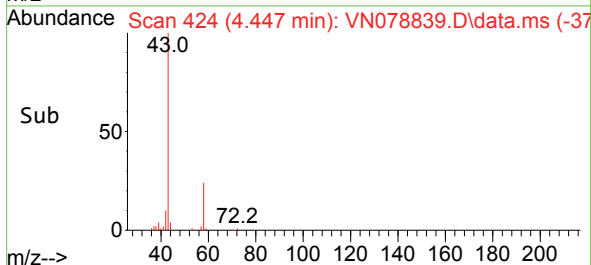
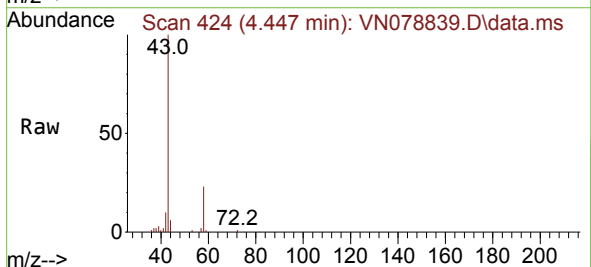


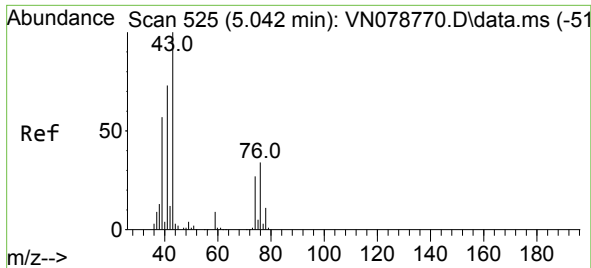
Tgt Ion: 59 Resp: 1258
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.4



#16
Acetone
Concen: 65.611 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 43 Resp: 61944
Ion Ratio Lower Upper
43 100
58 23.3 28.0 42.0#

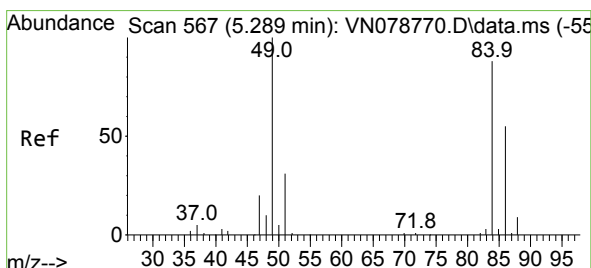
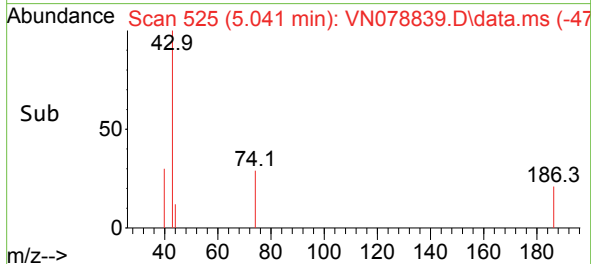
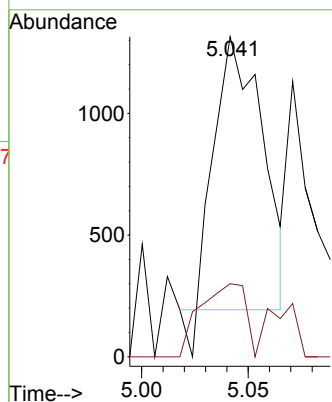
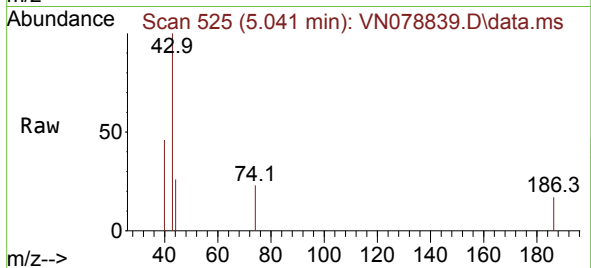




#18
Methyl Acetate
Concen: 0.410 ug/l
RT: 5.041 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

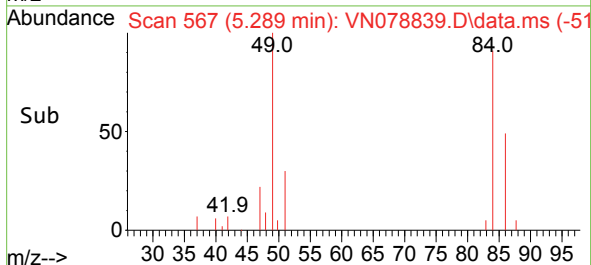
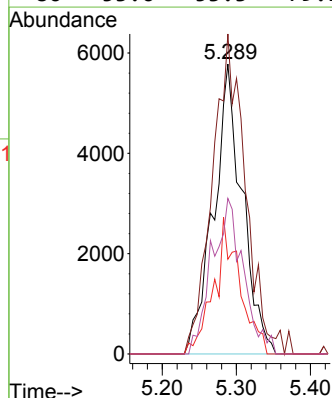
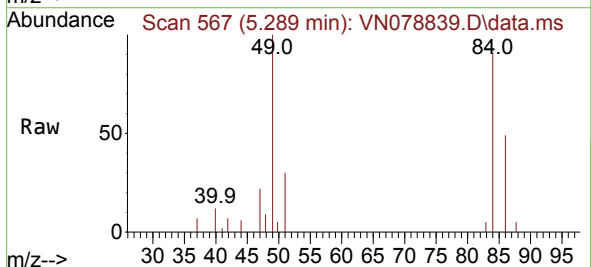
Instrument :
MSVOA_N
ClientSampleId :

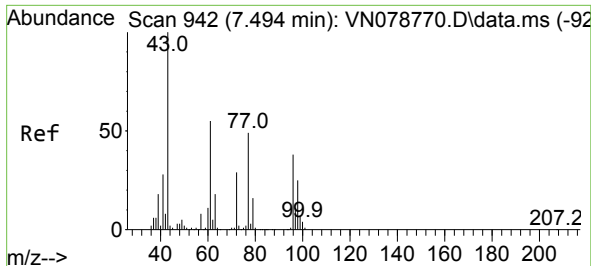
Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
74 25.6 26.2 39.4#



#20
Methylene Chloride
Concen: 6.646 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.000 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 84 Resp: 15539
Ion Ratio Lower Upper
84 100
49 110.4 79.7 119.5
51 32.7 25.2 37.8
86 53.6 53.3 79.9

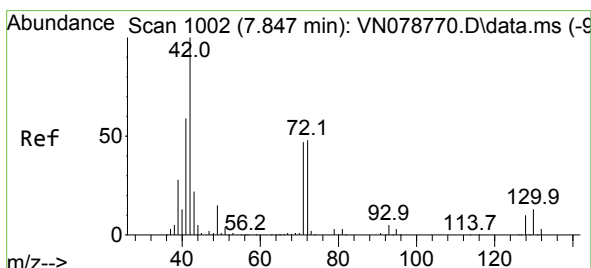
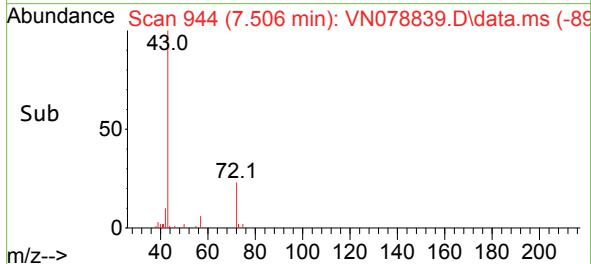
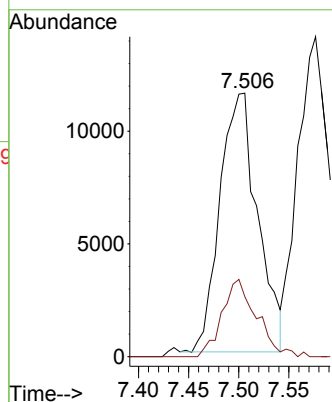
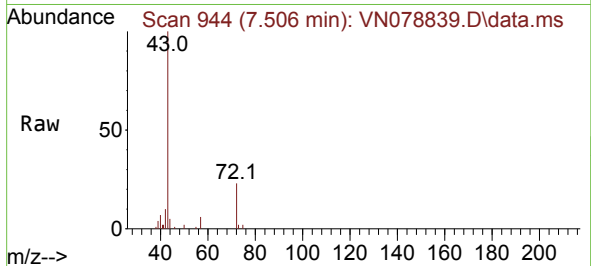




#25
2-Butanone
Concen: 18.847 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

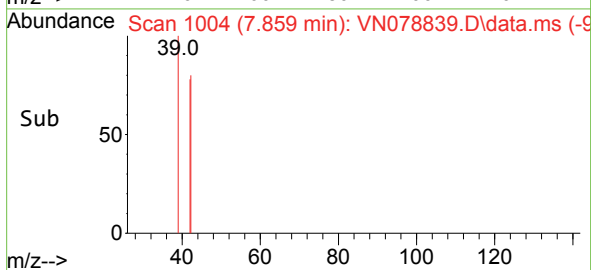
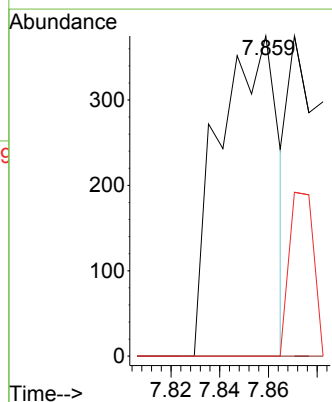
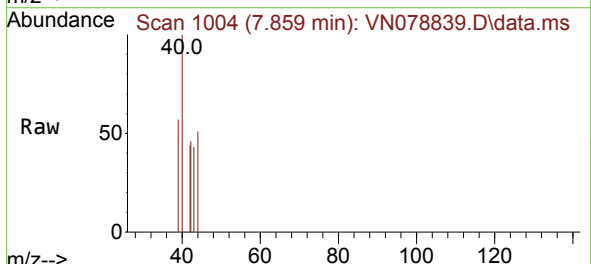
Instrument :
MSVOA_N
ClientSampleId :

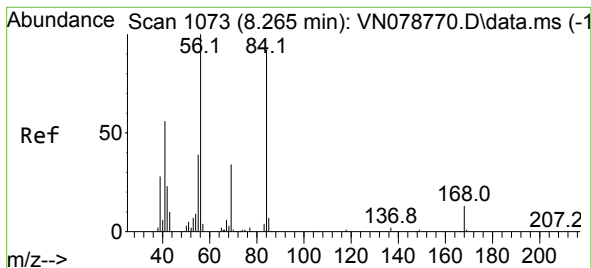
Tgt Ion: 43 Resp: 30132
Ion Ratio Lower Upper
43 100
72 23.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.591 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 42 Resp: 632
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 21.2 47.4 71.2#





#31

Cyclohexane

Concen: 1.453 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.036 min

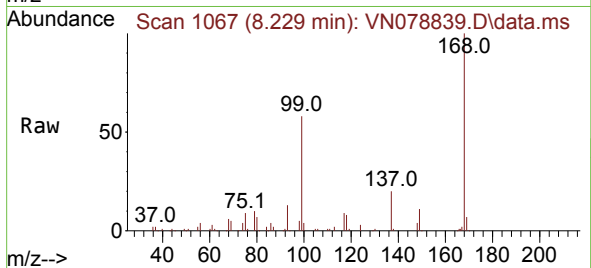
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Instrument :

MSVOA_N

ClientSampleId :



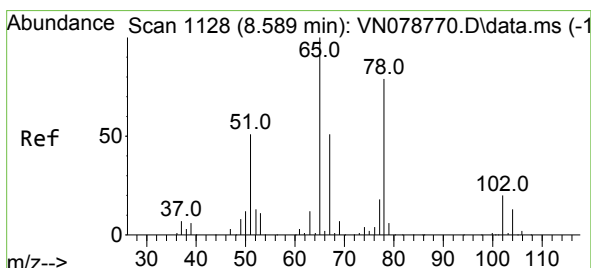
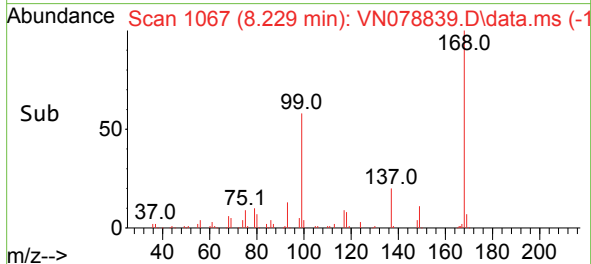
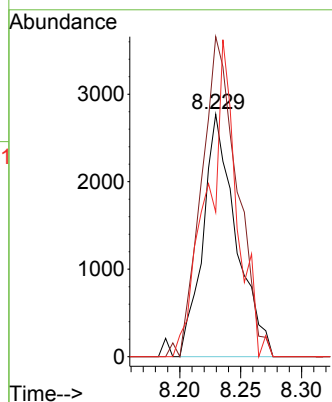
Tgt Ion: 56 Resp: 5239

Ion Ratio Lower Upper

56 100

69 132.0 26.8 40.2#

84 68.2 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 54.613 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078839.D

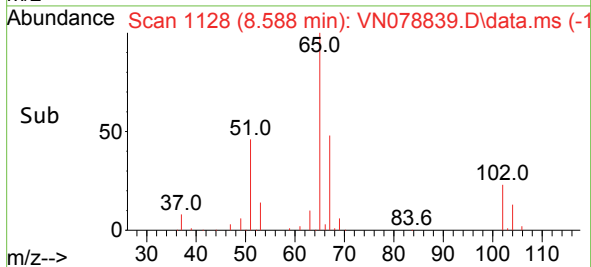
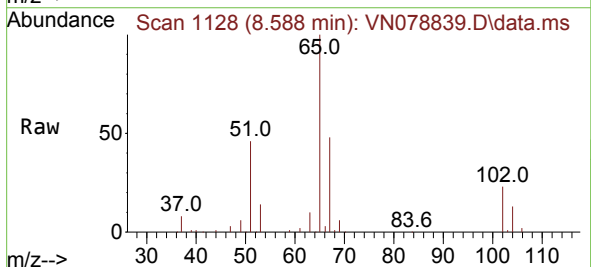
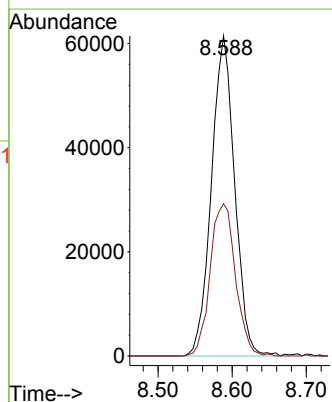
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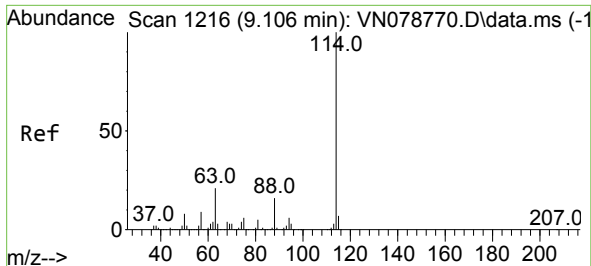
Tgt Ion: 65 Resp: 134008

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Instrument :

MSVOA_N

ClientSampleId :

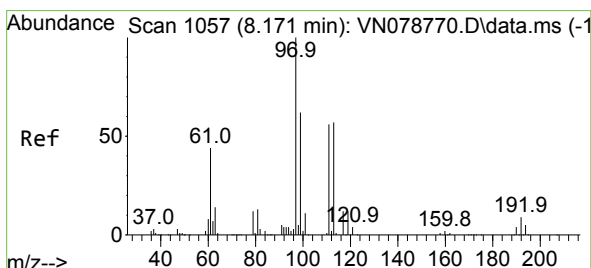
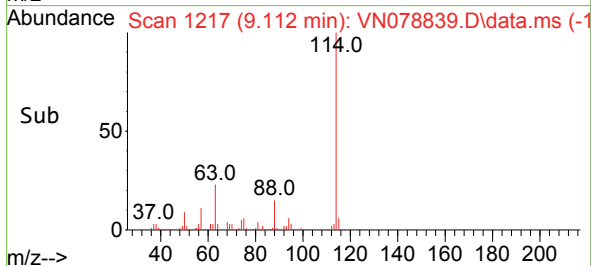
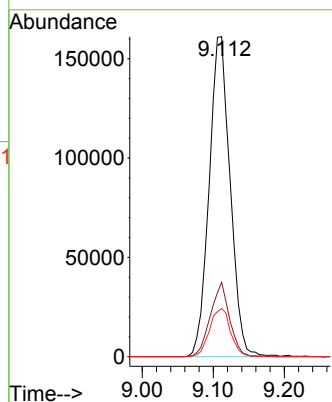
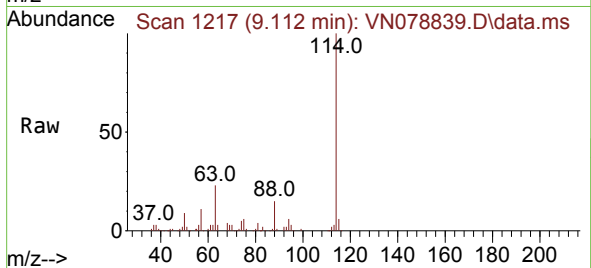
Tgt Ion:114 Resp: 331741

Ion Ratio Lower Upper

114 100

63 23.2 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.733 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

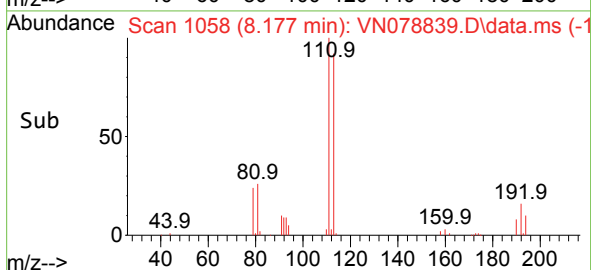
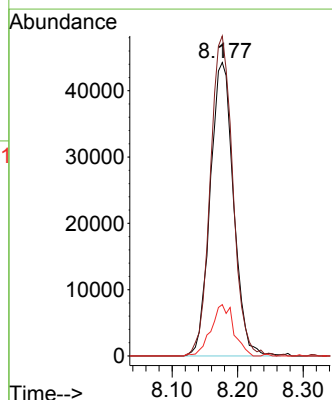
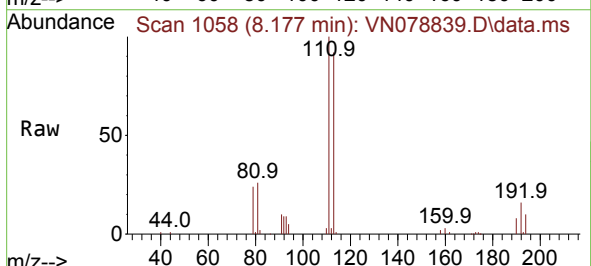
Tgt Ion:113 Resp: 109176

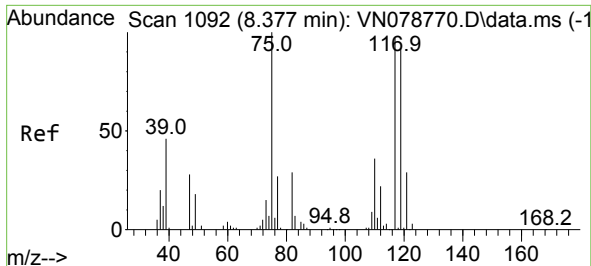
Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.158 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

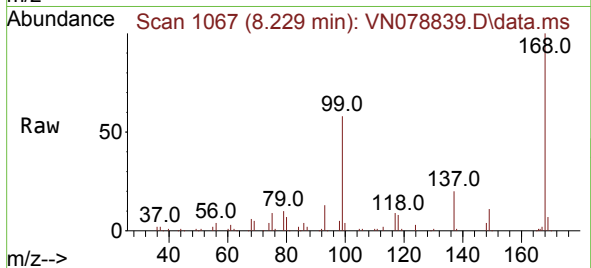
Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

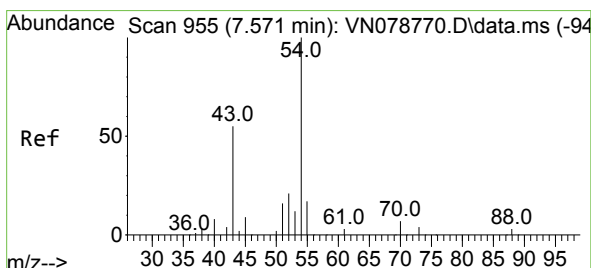
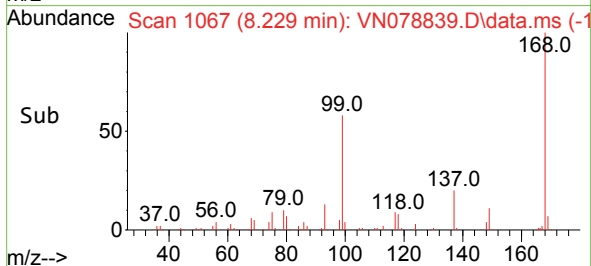
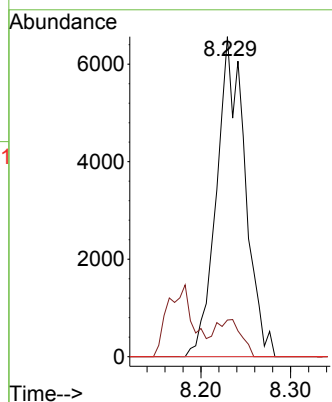
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14452
Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 8.456 ug/l

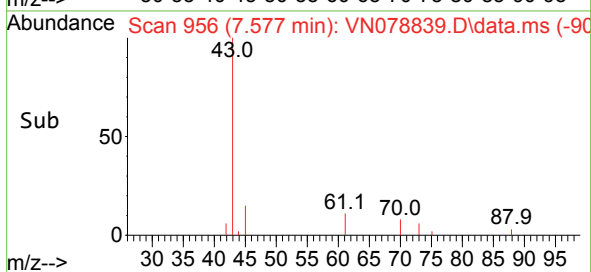
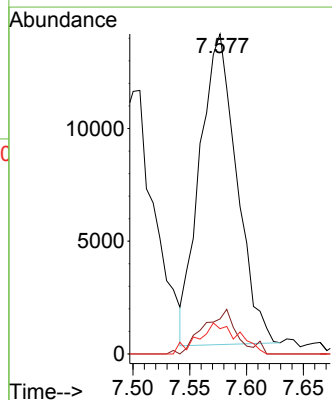
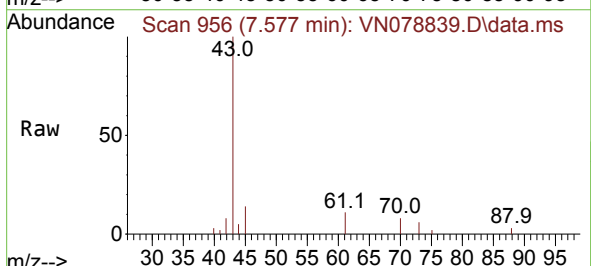
RT: 7.577 min Scan# 956

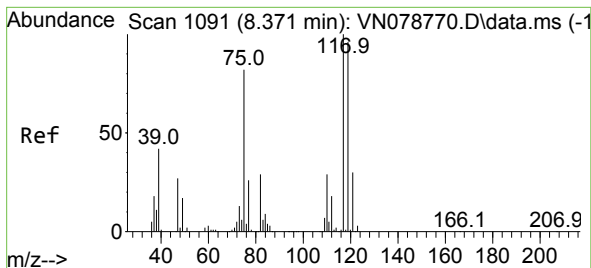
Delta R.T. 0.006 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Tgt Ion:	43	Resp:	31247
Ion	Ratio	Lower	Upper
43	100		
61	13.2	13.2	19.8#
70	10.8	11.3	16.9#





#38

Carbon Tetrachloride

Concen: 5.151 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.130 min

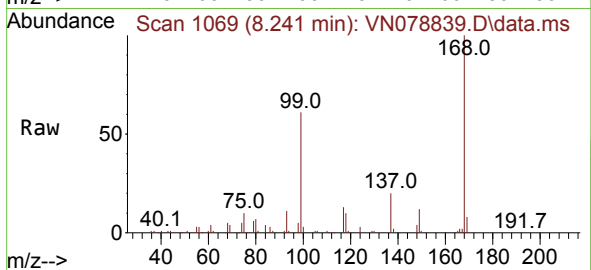
Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Instrument :

MSVOA_N

ClientSampleId :



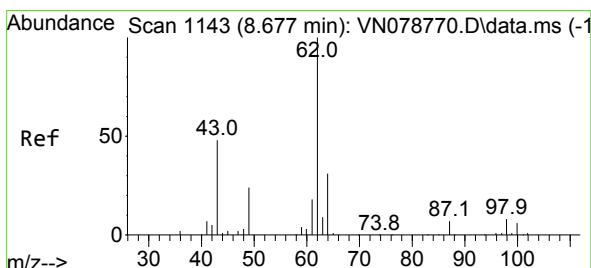
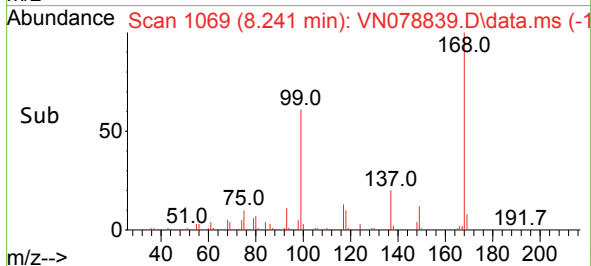
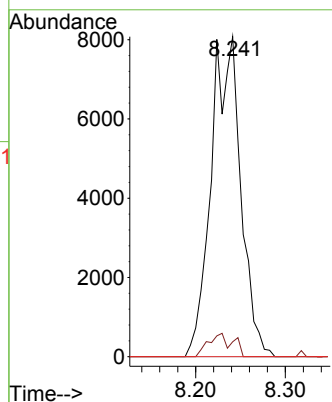
Tgt Ion:117 Resp: 18457

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.251 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078839.D

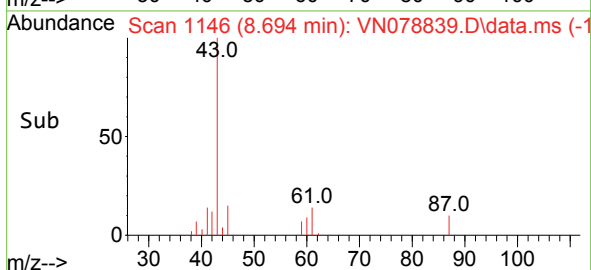
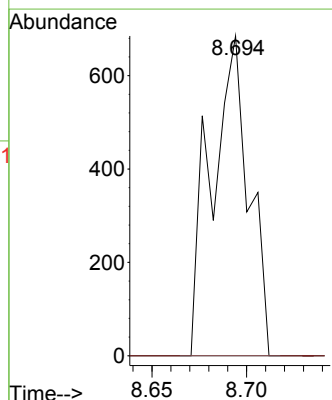
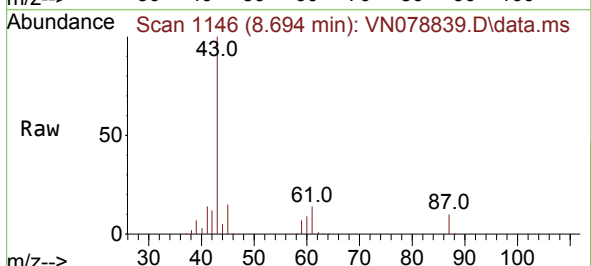
Acq: 10 Aug 2023 15:56

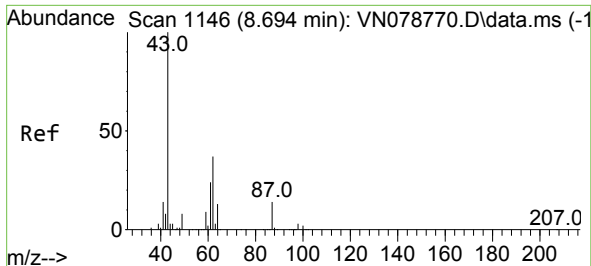
Tgt Ion: 62 Resp: 949

Ion Ratio Lower Upper

62 100

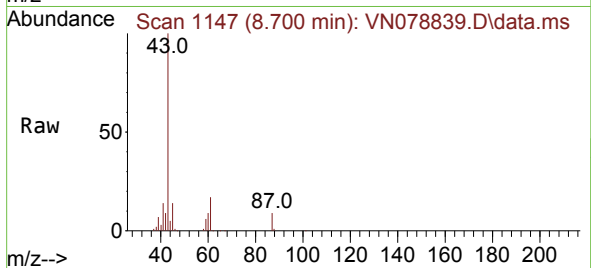
98 0.0 0.0 19.8



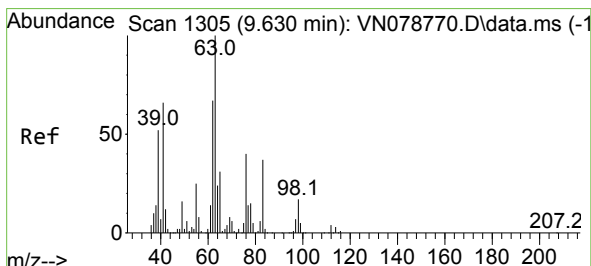
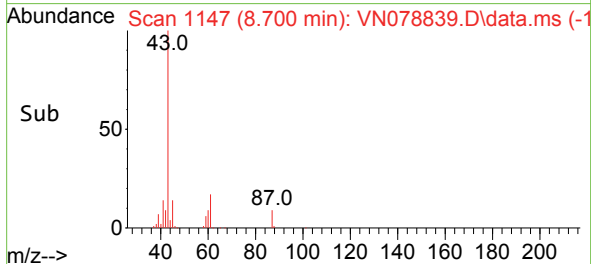
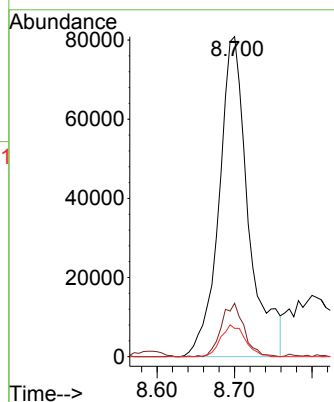


#43
Isopropyl Acetate
Concen: 34.171 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Instrument :
MSVOA_N
ClientSampleId :

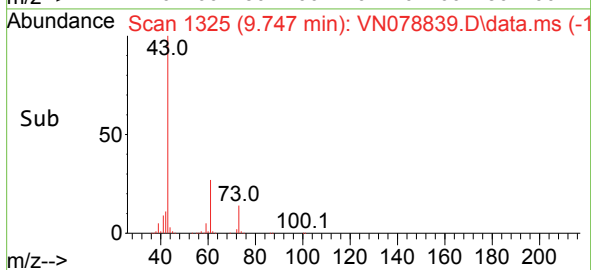
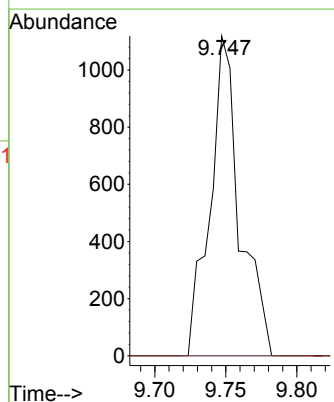
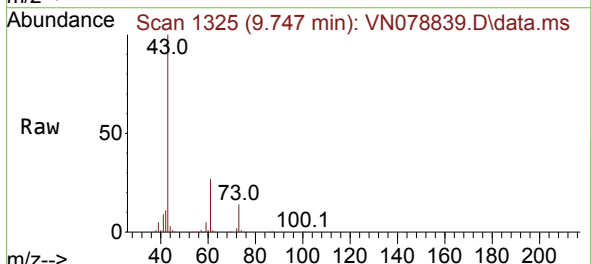


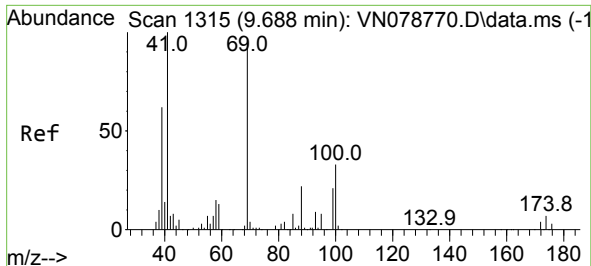
Tgt Ion: 43 Resp: 212898
Ion Ratio Lower Upper
43 100
61 13.0 24.7 37.1#
87 8.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.579 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.117 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 63 Resp: 1631
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

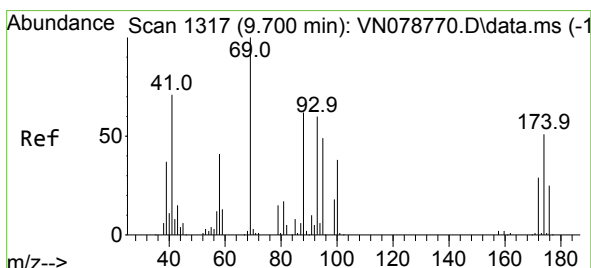
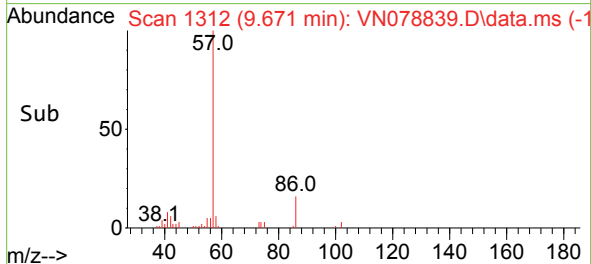
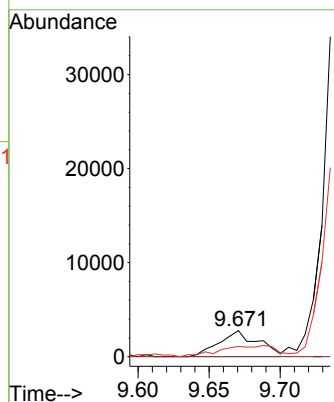
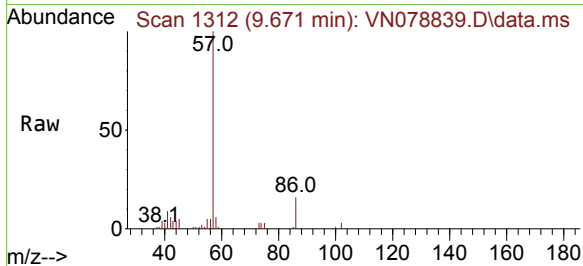




#48
Methyl methacrylate
Concen: 1.830 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

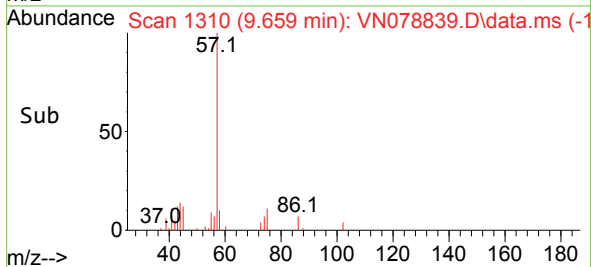
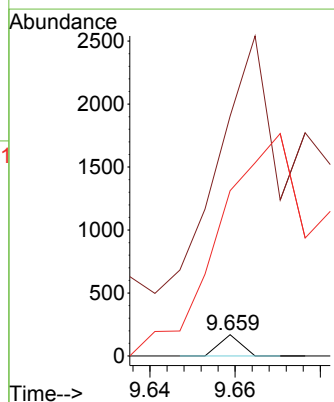
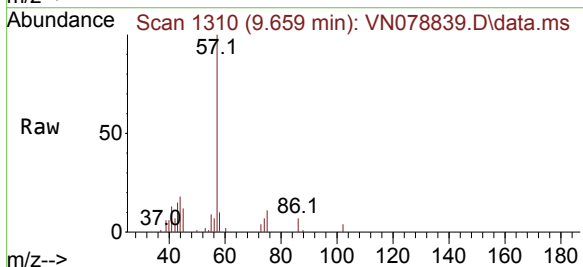
Instrument :
MSVOA_N
ClientSampleId :

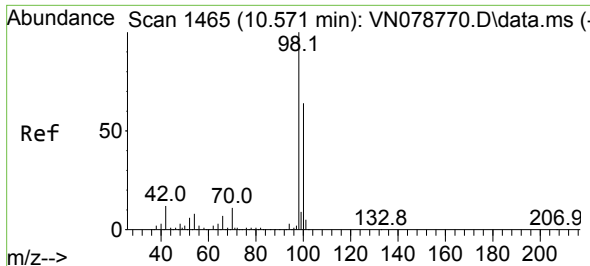
Tgt Ion: 41 Resp: 5267
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.3 54.6 81.8



#49
1,4-Dioxane
Concen: 1.284 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.041 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

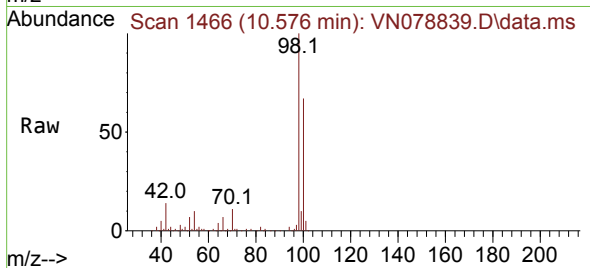
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 6128.3 47.0 70.4#



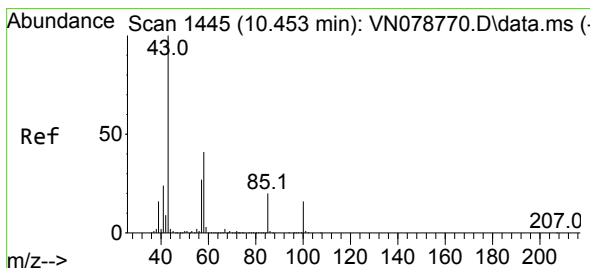
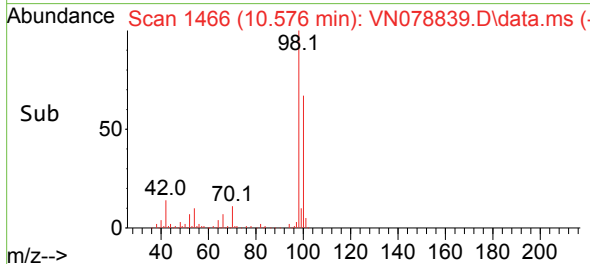
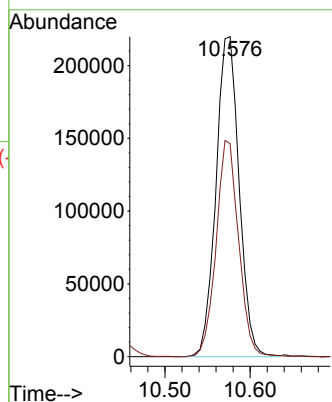


#50
Toluene-d8
Concen: 50.394 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Instrument :
MSVOA_N
ClientSampleId :

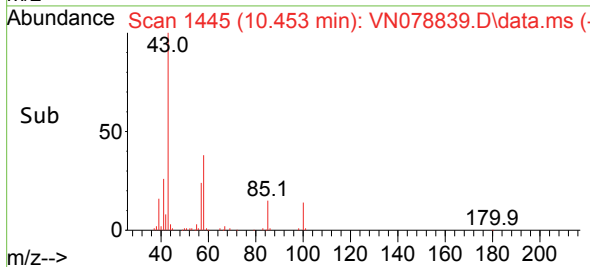
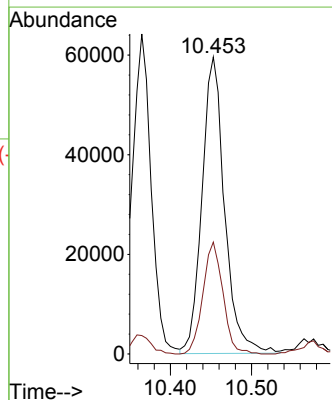
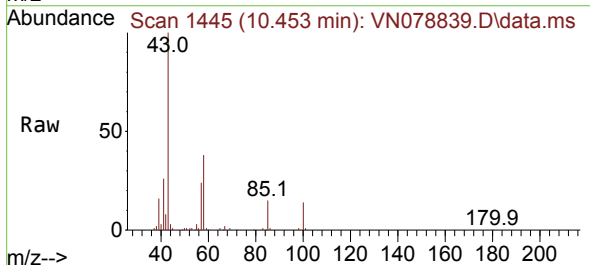


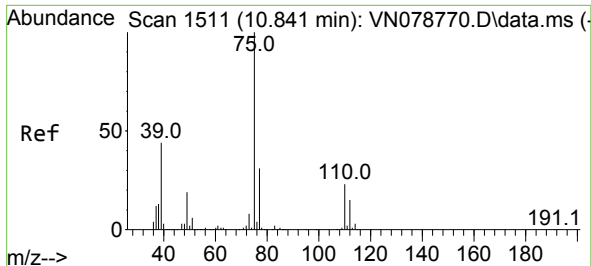
Tgt Ion: 98 Resp: 415461
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.225 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 43 Resp: 115345
Ion Ratio Lower Upper
43 100
58 33.3 36.6 54.8#

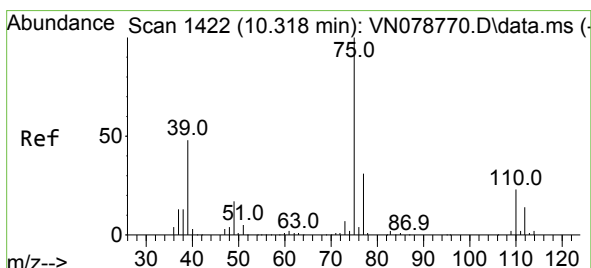
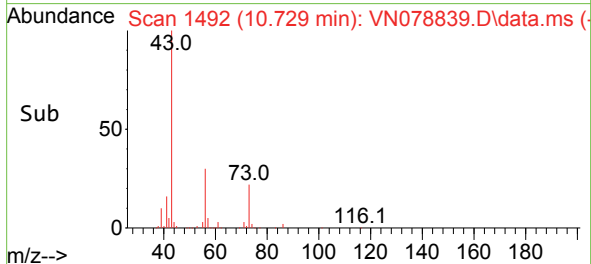
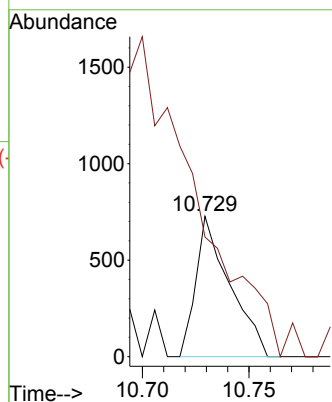
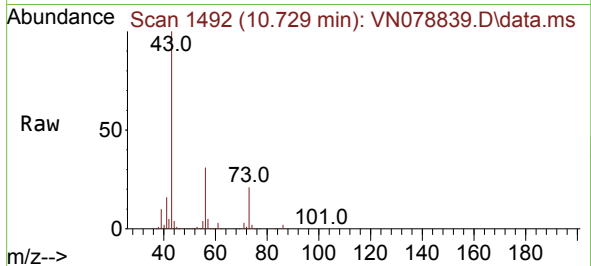




#53
 t-1,3-Dichloropropene
 Concen: 0.211 ug/l
 RT: 10.729 min Scan# 1430
 Delta R.T. -0.112 min
 Lab File: VN078839.D
 Acq: 10 Aug 2023 15:56

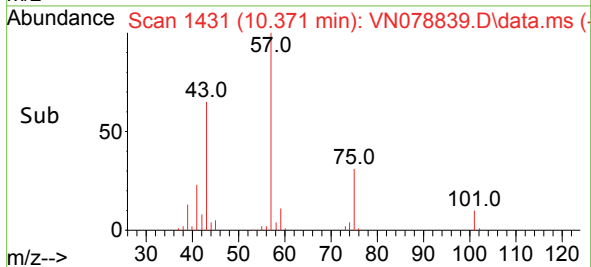
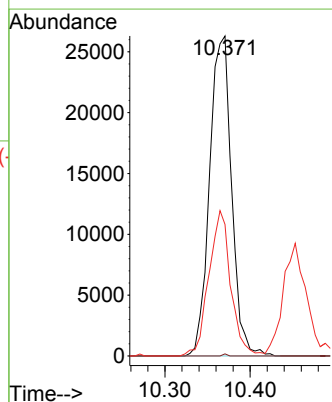
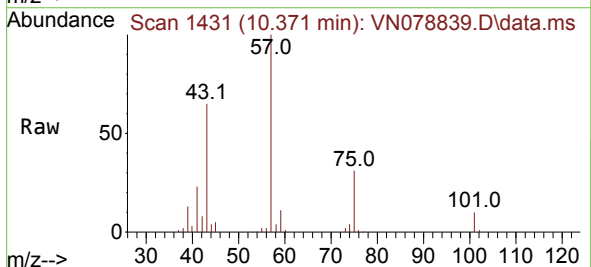
Instrument :
 MSVOA_N
 ClientSampleId :

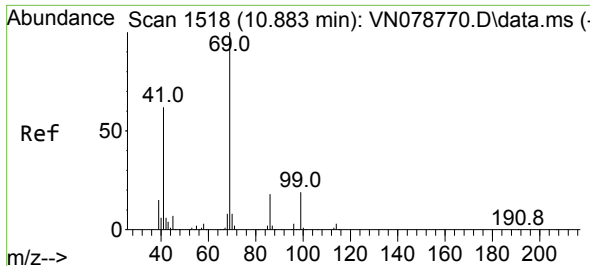
Tgt Ion: 75 Resp: 806
 Ion Ratio Lower Upper
 75 100
 77 85.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.414 ug/l
 RT: 10.371 min Scan# 1431
 Delta R.T. 0.053 min
 Lab File: VN078839.D
 Acq: 10 Aug 2023 15:56

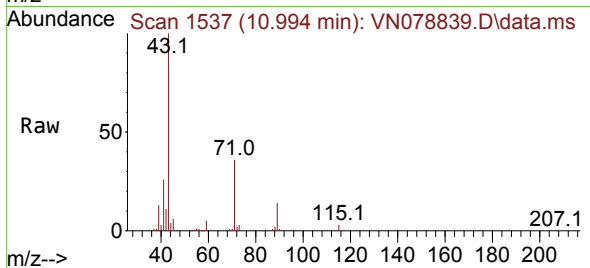
Tgt Ion: 75 Resp: 47302
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 41.1 31.6 47.4



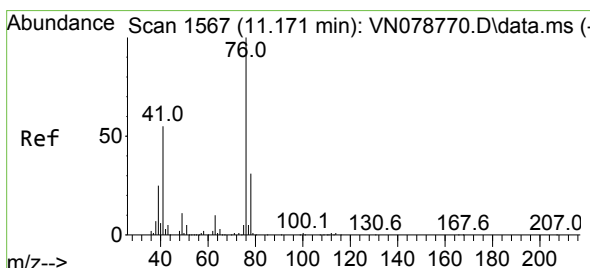
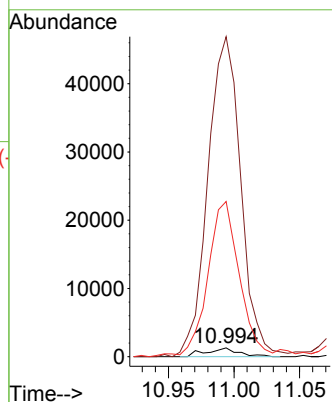
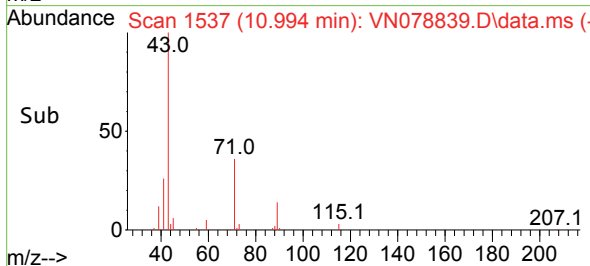


#56
Ethyl methacrylate
Concen: 0.597 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Instrument :
MSVOA_N
ClientSampleId :

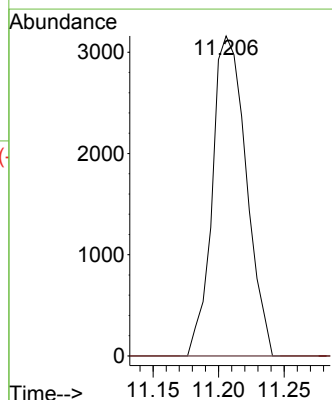
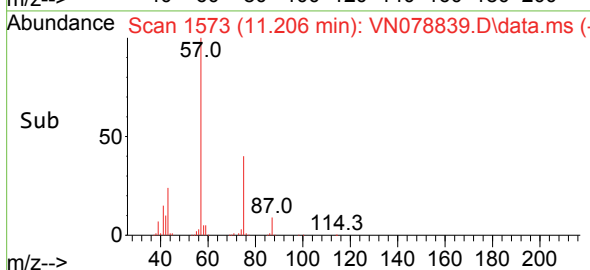
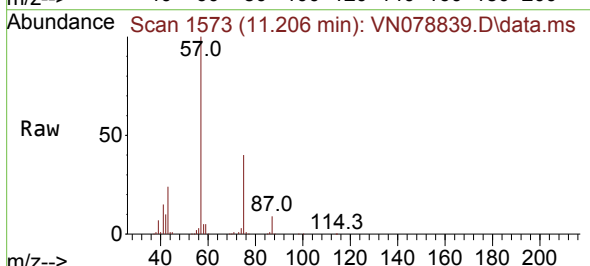


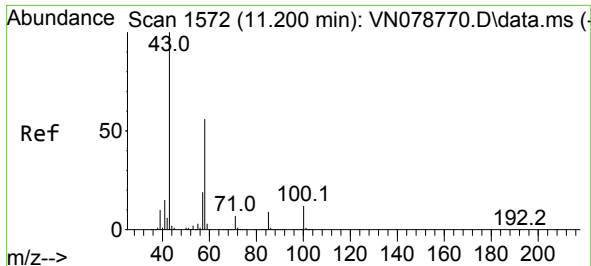
Tgt Ion: 69 Resp: 2210
Ion Ratio Lower Upper
69 100
41 3709.9 39.6 59.4#
39 1728.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.282 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

Tgt Ion: 76 Resp: 5687
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 48.090 ug/l

RT: 11.176 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Instrument :

MSVOA_N

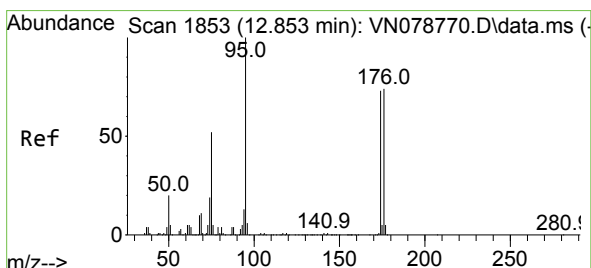
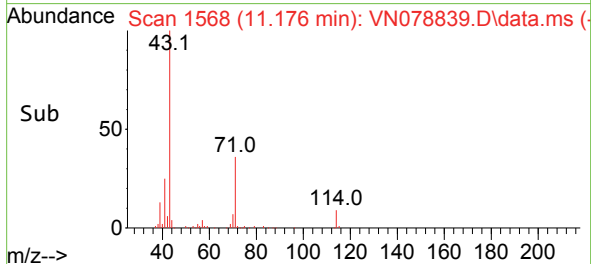
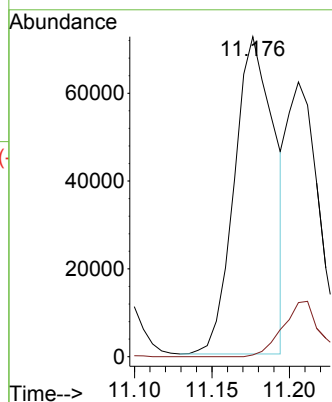
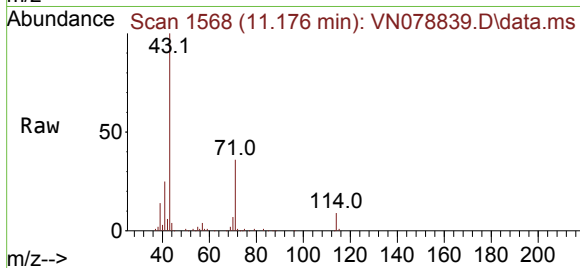
ClientSampleId :

Tgt Ion: 43 Resp: 129947

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#



#62

4-Bromofluorobenzene

Concen: 46.170 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

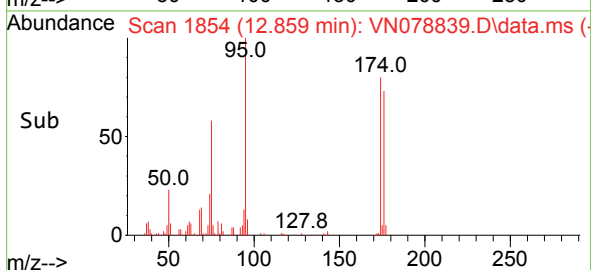
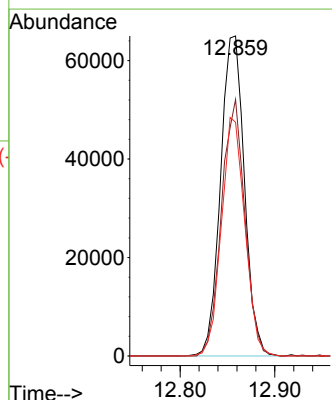
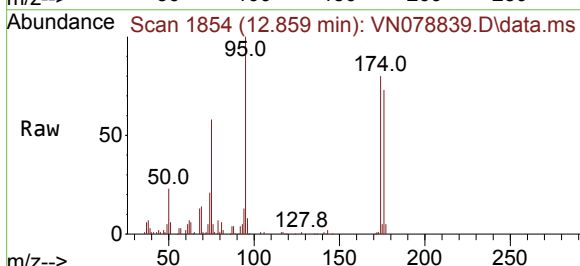
Tgt Ion: 95 Resp: 113756

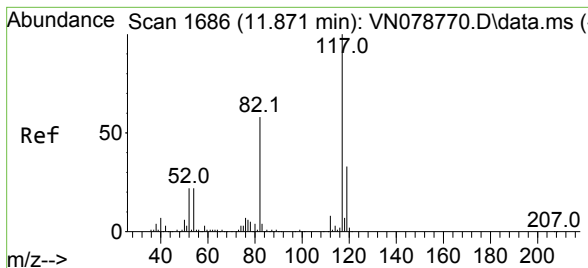
Ion Ratio Lower Upper

95 100

174 78.5 0.0 143.8

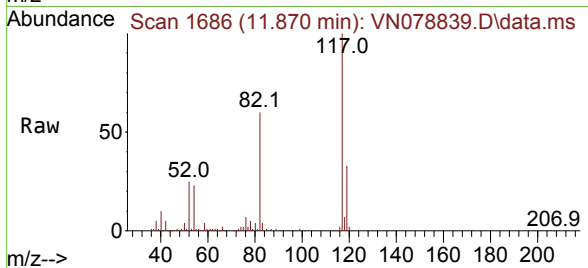
176 73.5 0.0 135.8



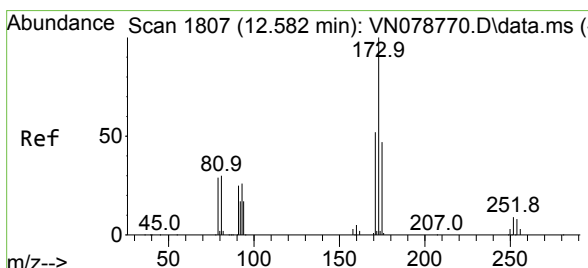
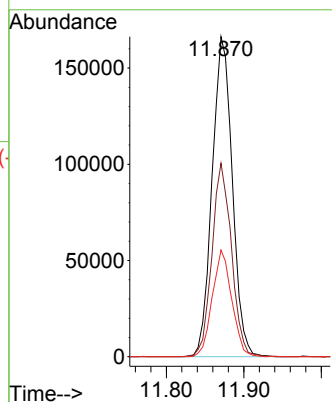
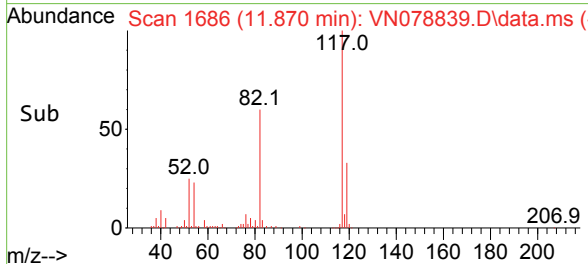


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56

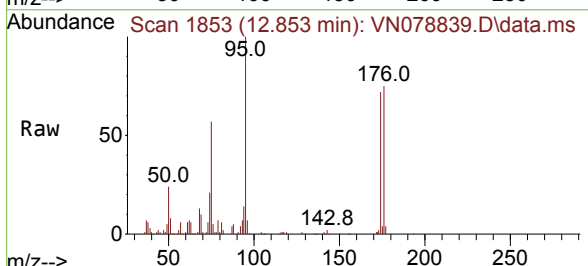
Instrument :
MSVOA_N
ClientSampleId :



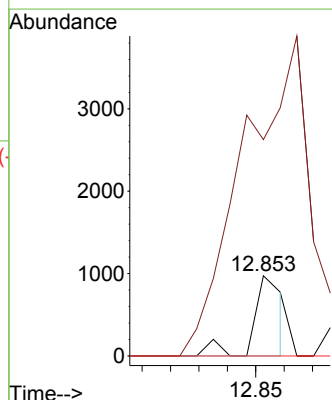
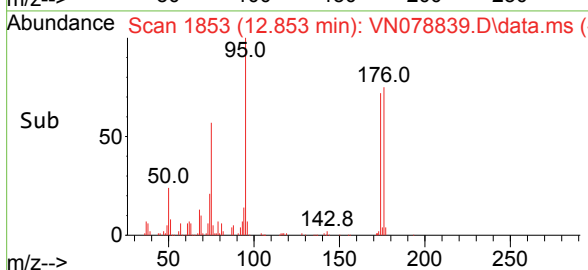
Tgt Ion:117 Resp: 301719
Ion Ratio Lower Upper
117 100
82 60.4 44.0 66.0
119 33.3 25.6 38.4

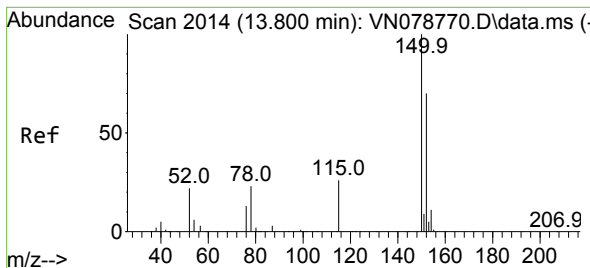


#71
Bromoform
Concen: 0.371 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078839.D
Acq: 10 Aug 2023 15:56



Tgt Ion:173 Resp: 688
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: 13.794 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Instrument :

MSVOA_N

ClientSampleId :

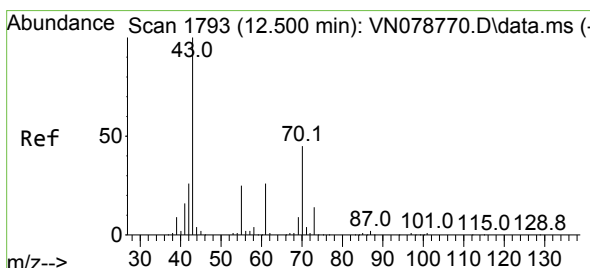
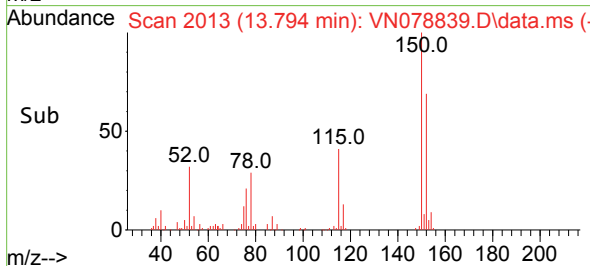
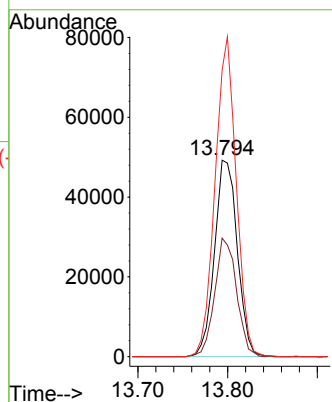
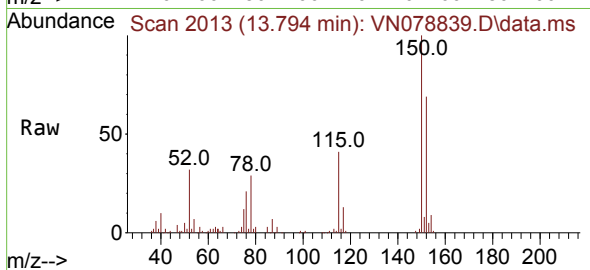
Tgt Ion:152 Resp: 86947

Ion Ratio Lower Upper

152 100

115 58.1 32.3 96.8

150 150.9 0.0 355.8



#74

N-ethyl acetate

Concen: 0.633 ug/l

RT: 12.470 min Scan# 1788

Delta R.T. -0.030 min

Lab File: VN078839.D

Acq: 10 Aug 2023 15:56

Tgt Ion: 43 Resp: 2456

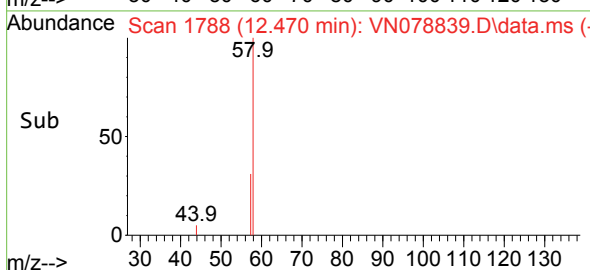
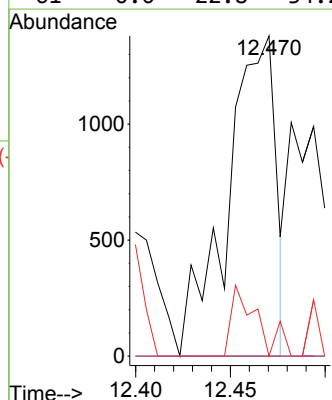
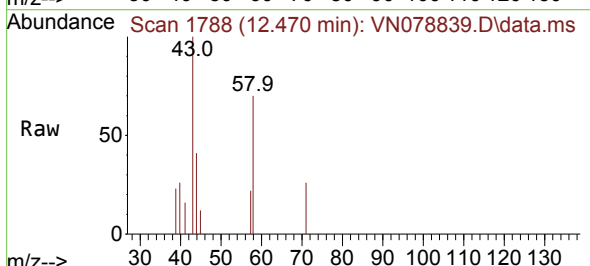
Ion Ratio Lower Upper

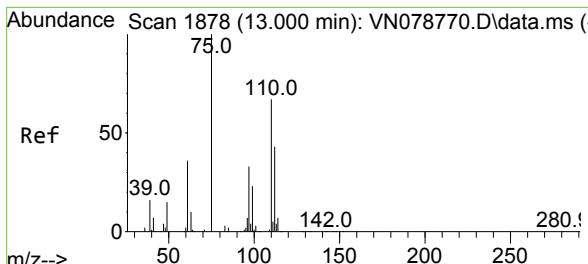
43 100

70 0.0 43.4 65.2#

55 12.0 21.4 32.0#

61 0.0 22.8 34.2#

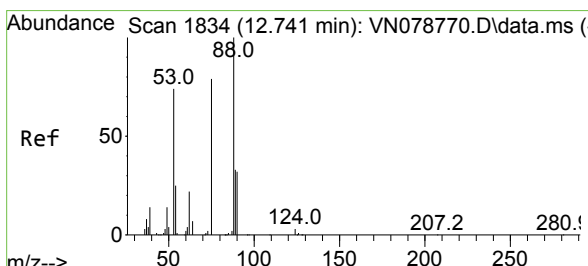
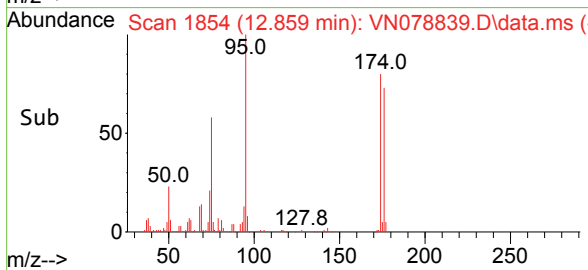
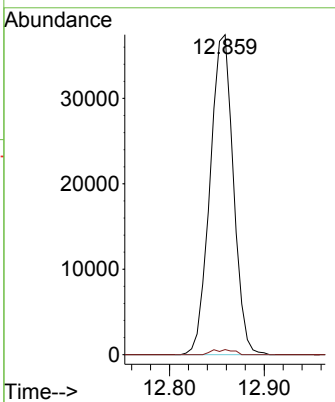
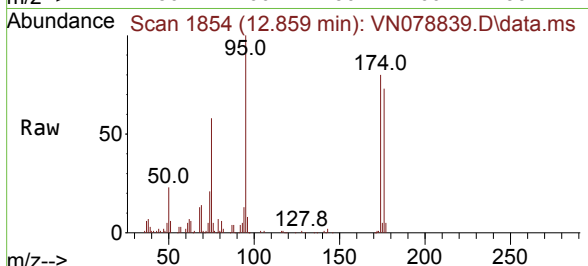




#76
 1,2,3-Trichloropropane
 Concen: 27.262 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN078839.D
 Acq: 10 Aug 2023 15:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 64087
 Ion Ratio Lower Upper
 75 100
 77 1.5 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.154 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.117 min
 Lab File: VN078839.D
 Acq: 10 Aug 2023 15:56

Tgt Ion: 75 Resp: 64087
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

