

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078849.D
 Acq On : 10 Aug 2023 19:58
 Operator : JC\MD
 Sample : 03931-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:57:04 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)

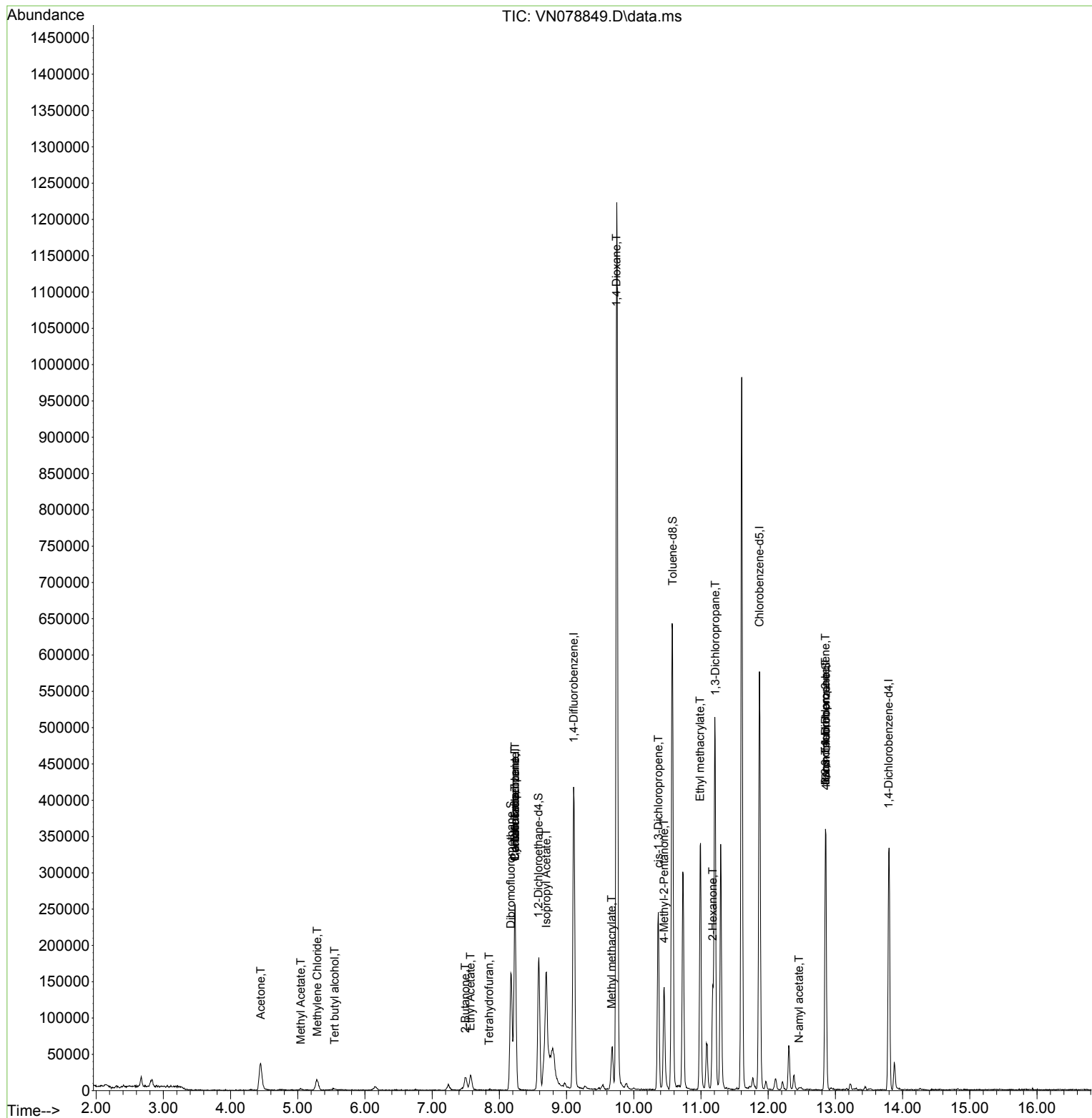
Internal Standards						
1) Pentafluorobenzene	8.235	168	173284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	314033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	141560	54.492	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.980%			
35) Dibromofluoromethane	8.171	113	111994	48.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.720%			
50) Toluene-d8	10.576	98	433712	50.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.859	95	118996	46.718	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.440%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.547	59	1875	4.113	ug/l #	72
16) Acetone	4.447	43	70004	70.037	ug/l	99
18) Methyl Acetate	5.047	43	3222	0.718	ug/l #	70
20) Methylene Chloride	5.289	84	10192	4.117	ug/l #	86
25) 2-Butanone	7.494	43	29998	17.723	ug/l #	75
29) Tetrahydrofuran	7.847	42	456	0.403	ug/l #	20
31) Cyclohexane	8.230	56	5201	1.363	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	15727	4.377	ug/l #	50
37) Ethyl Acetate	7.571	43	31566	8.263	ug/l #	90
38) Carbon Tetrachloride	8.235	117	18982	5.125	ug/l #	14
43) Isopropyl Acetate	8.700	43	239682	37.213	ug/l #	68
48) Methyl methacrylate	9.671	41	3986	1.339	ug/l #	32
49) 1,4-Dioxane	9.741	88	147	3.042	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	105580	26.762	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	41343	9.650	ug/l #	72
56) Ethyl methacrylate	10.988	69	1891	0.494	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	4465	0.973	ug/l #	42
59) 2-Hexanone	11.176	43	114599	41.023	ug/l #	19
71) Bromoform	12.853	173	1269	0.657	ug/l #	1
74) N-amyl acetate	12.459	43	2800	0.718	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	67074	28.391	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67074	76.184	ug/l #	15

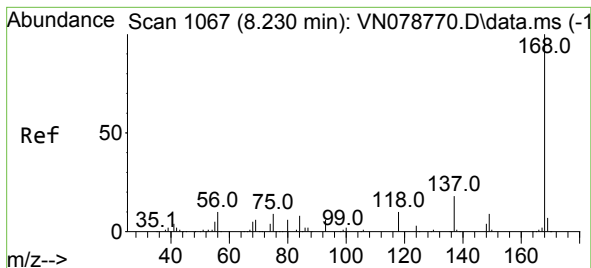
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 08 05:03:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

Instrument :

MSVOA_N

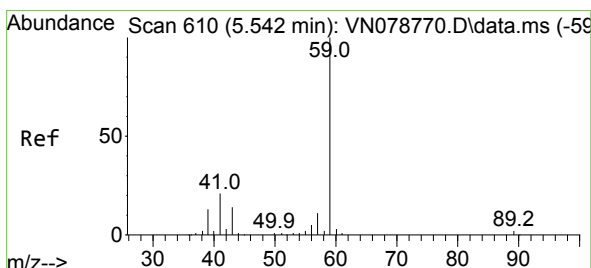
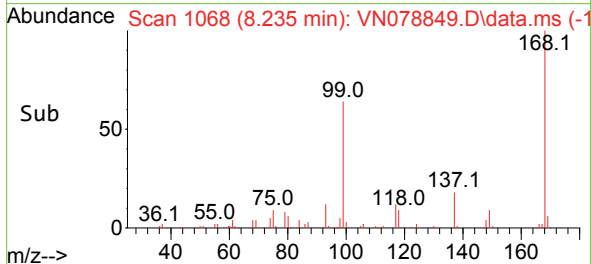
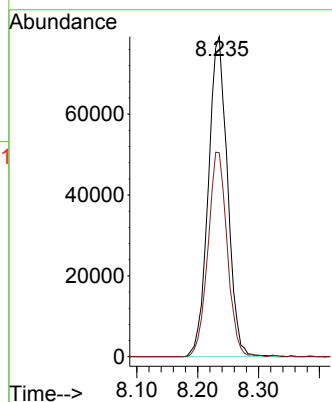
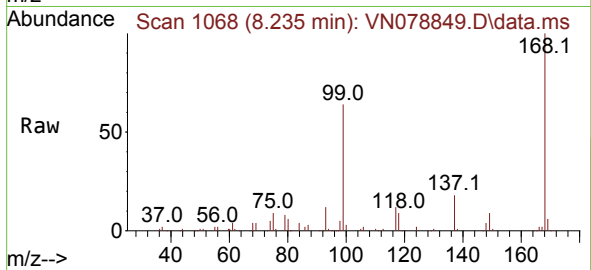
ClientSampleId :

Tgt Ion:168 Resp: 173284

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#11

Tert butyl alcohol

Concen: 4.113 ug/l

RT: 5.547 min Scan# 611

Delta R.T. 0.005 min

Lab File: VN078849.D

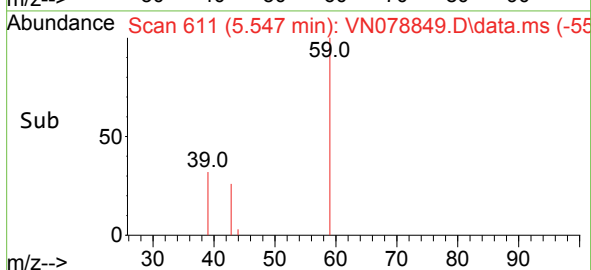
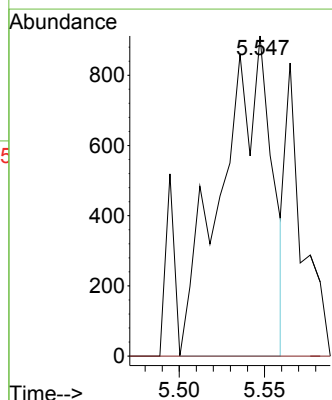
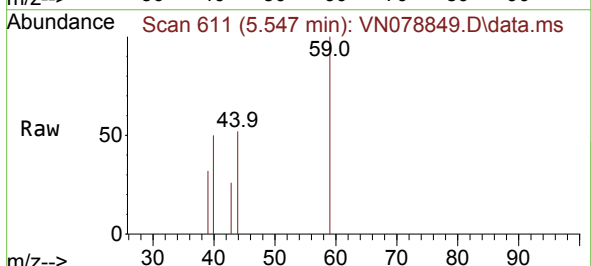
Acq: 10 Aug 2023 19:58

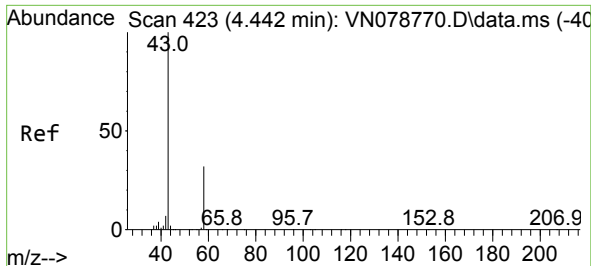
Tgt Ion: 59 Resp: 1875

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

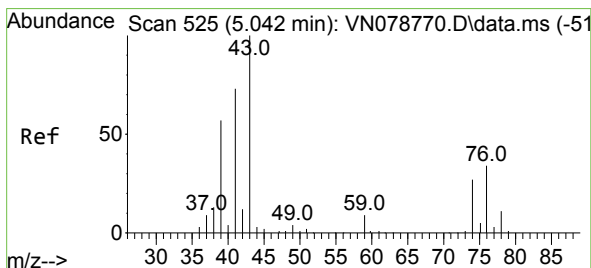
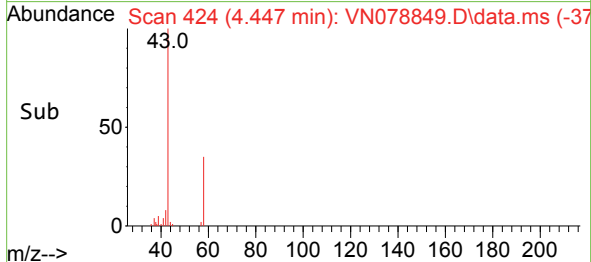
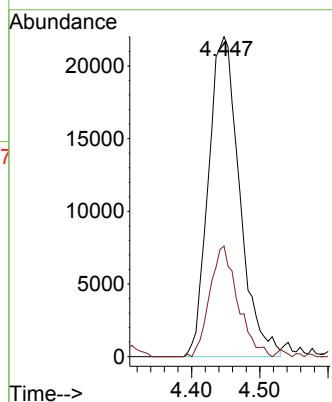
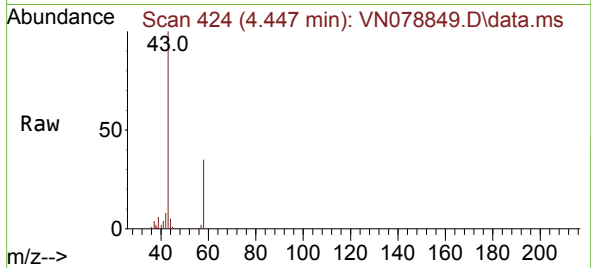




#16
 Acetone
 Concen: 70.037 ug/l
 RT: 4.447 min Scan# 41
 Delta R.T. 0.005 min
 Lab File: VN078849.D
 Acq: 10 Aug 2023 19:58

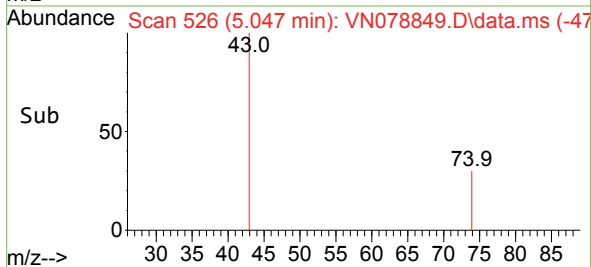
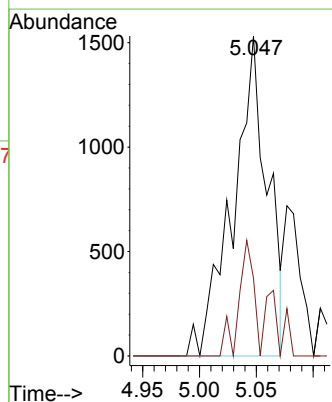
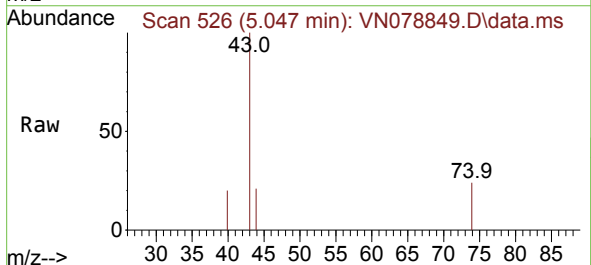
Instrument :
 MSVOA_N
 ClientSampleId :

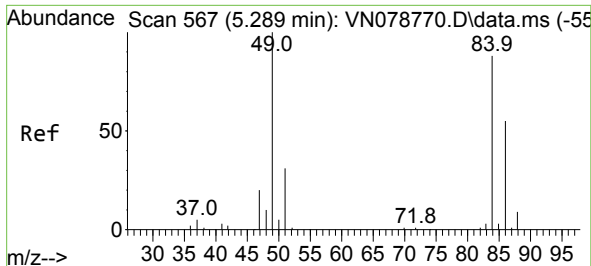
Tgt Ion: 43 Resp: 70004
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.0 42.0



#18
 Methyl Acetate
 Concen: 0.718 ug/l
 RT: 5.047 min Scan# 526
 Delta R.T. 0.006 min
 Lab File: VN078849.D
 Acq: 10 Aug 2023 19:58

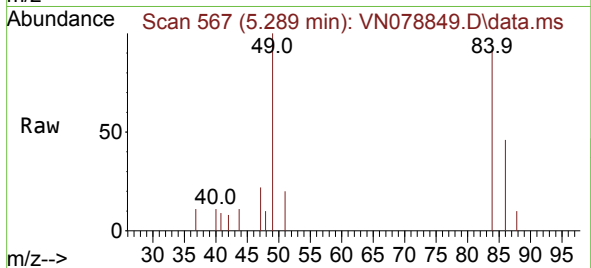
Tgt Ion: 43 Resp: 3222
 Ion Ratio Lower Upper
 43 100
 74 15.6 26.2 39.4#



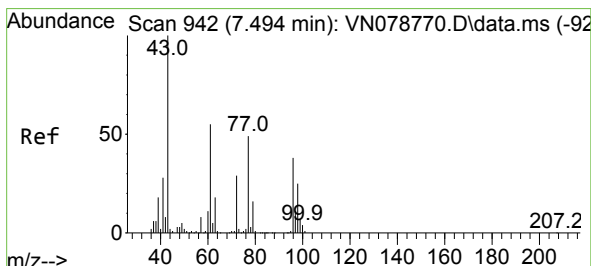
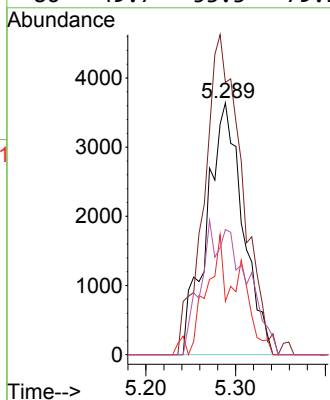
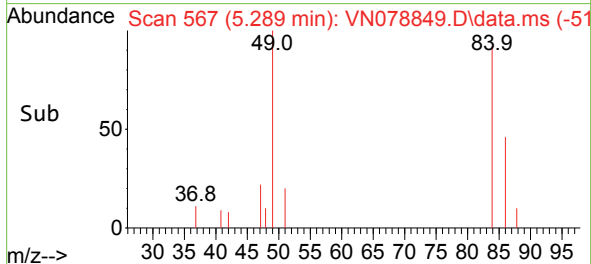


#20
Methylene Chloride
Concen: 4.117 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :

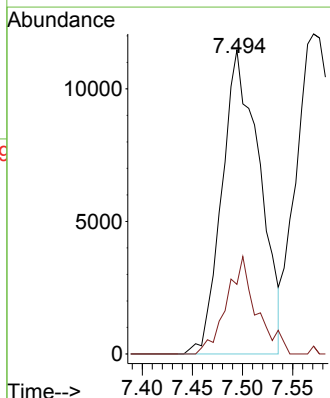
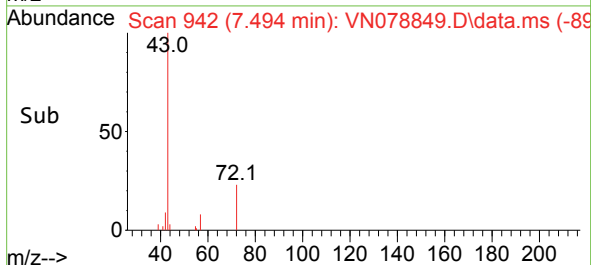
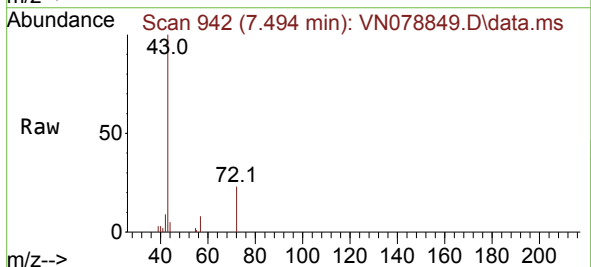


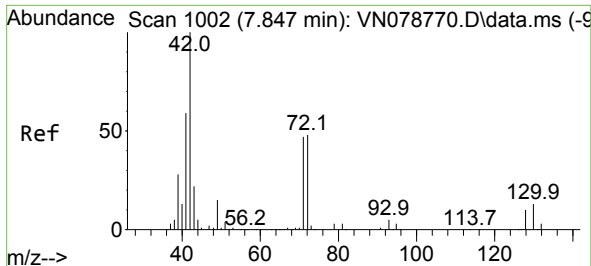
Tgt Ion: 84 Resp: 10192
Ion Ratio Lower Upper
84 100
49 108.1 79.7 119.5
51 21.1 25.2 37.8#
86 49.7 53.3 79.9#



#25
2-Butanone
Concen: 17.723 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Tgt Ion: 43 Resp: 29998
Ion Ratio Lower Upper
43 100
72 22.9 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.403 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

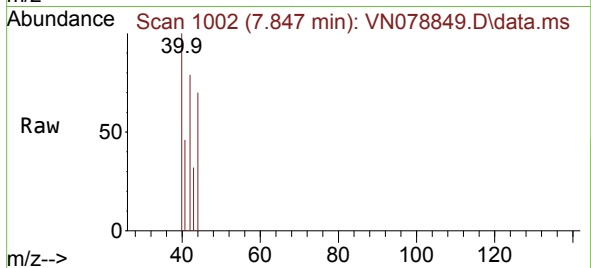
Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

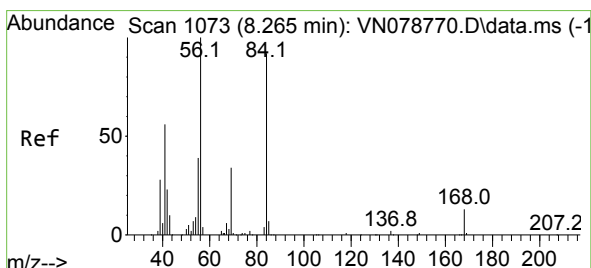
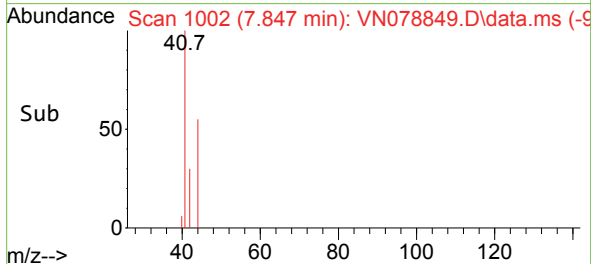
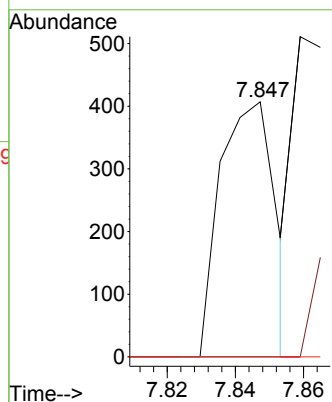
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	456
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.363 ug/l

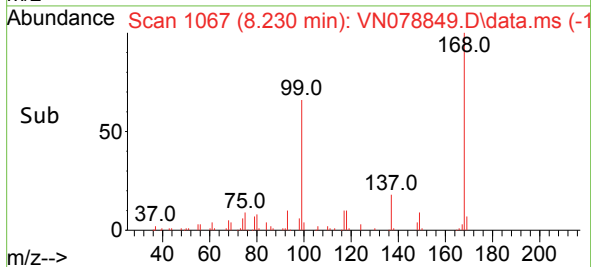
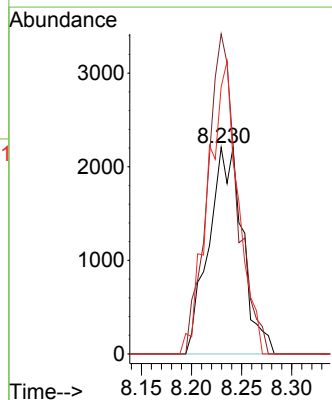
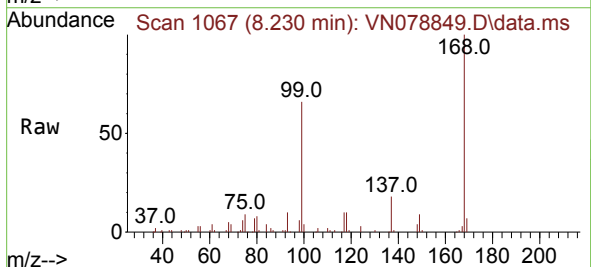
RT: 8.230 min Scan# 1067

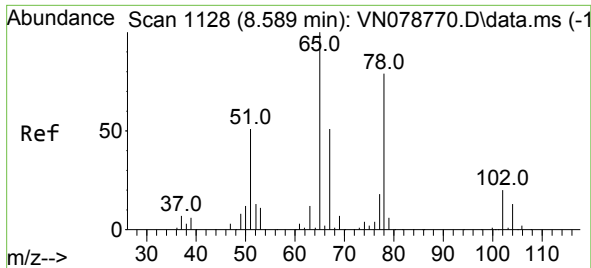
Delta R.T. -0.035 min

Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

Tgt Ion:	56	Resp:	5201
Ion	Ratio	Lower	Upper
56	100		
69	154.9	26.8	40.2#
84	129.3	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.492 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

Instrument :

MSVOA_N

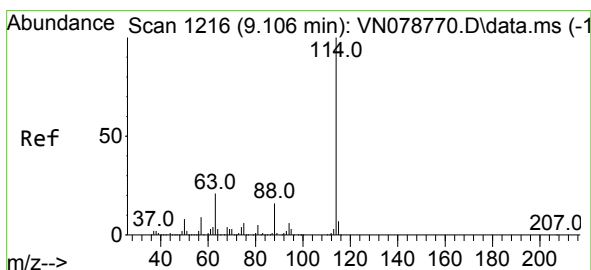
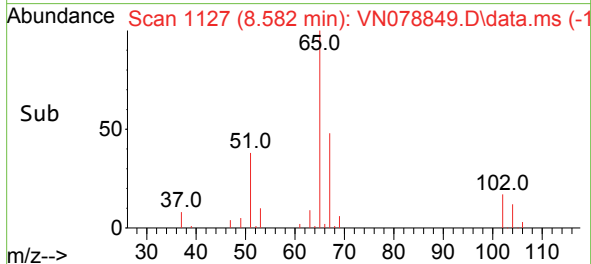
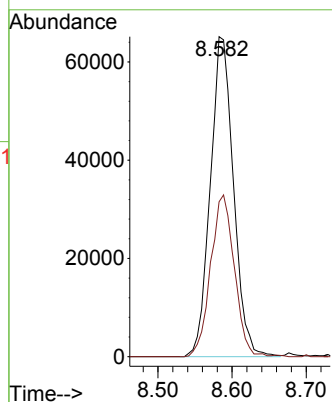
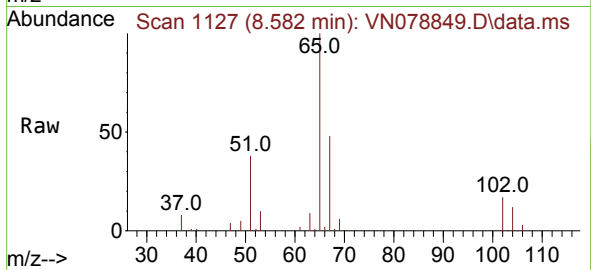
ClientSampleId :

Tgt Ion: 65 Resp: 141560

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

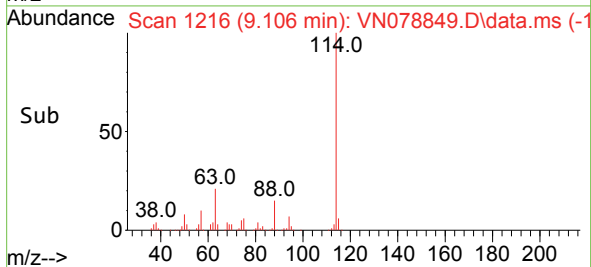
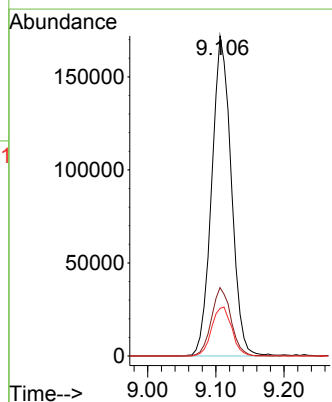
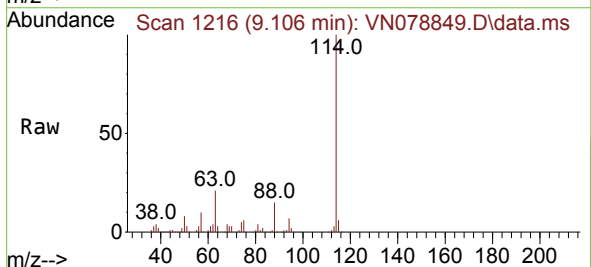
Tgt Ion: 114 Resp: 342952

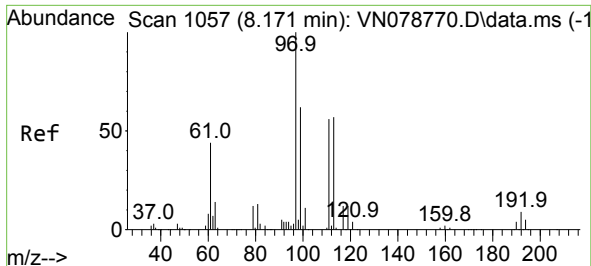
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

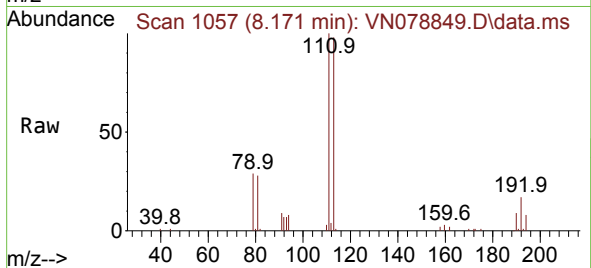
88 14.8 0.0 30.6





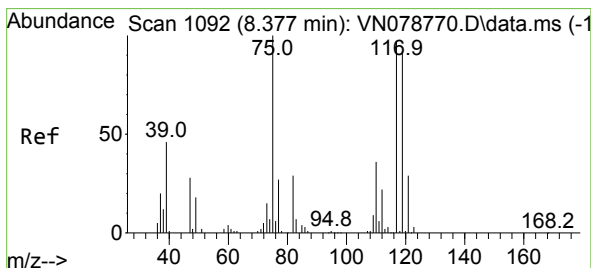
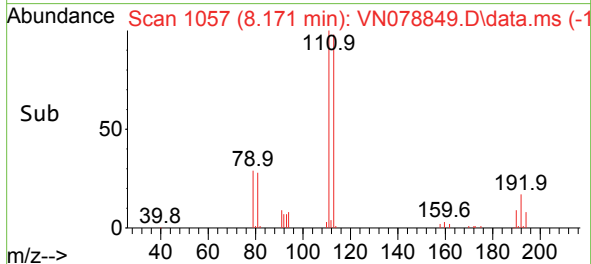
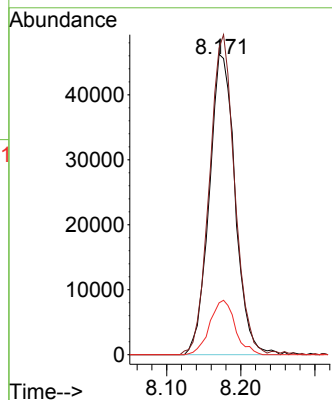
#35
 Dibromofluoromethane
 Concen: 48.357 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VN078849.D
 Acq: 10 Aug 2023 19:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:113 Resp: 111994

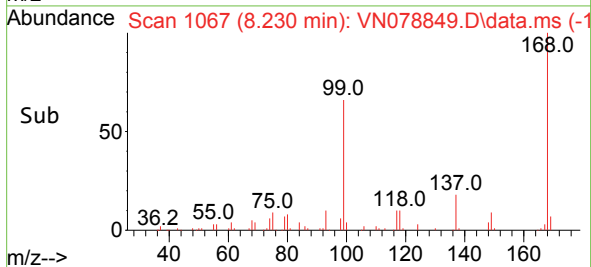
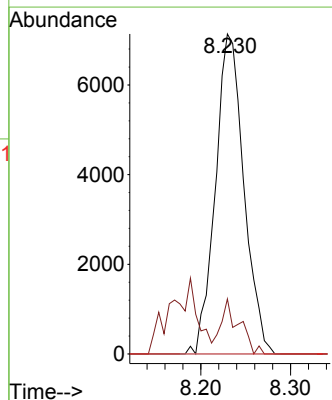
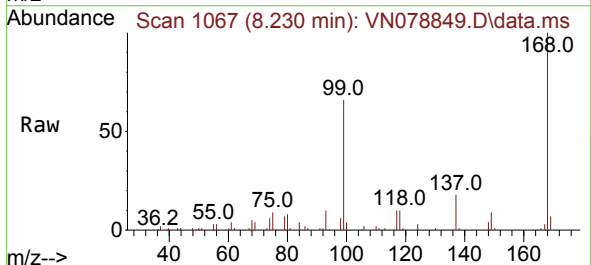
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	17.8	12.7	19.1

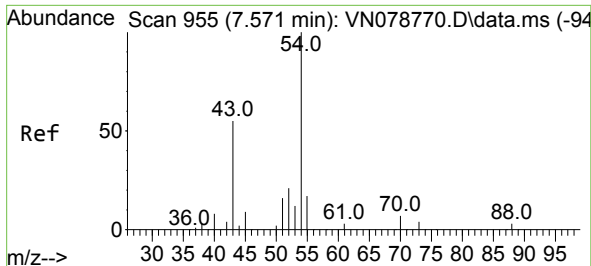


#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078849.D
 Acq: 10 Aug 2023 19:58

Tgt Ion: 75 Resp: 15727

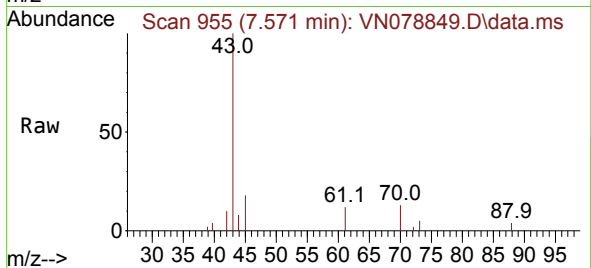
Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.1	57.3#
77	0.0	25.0	37.4#



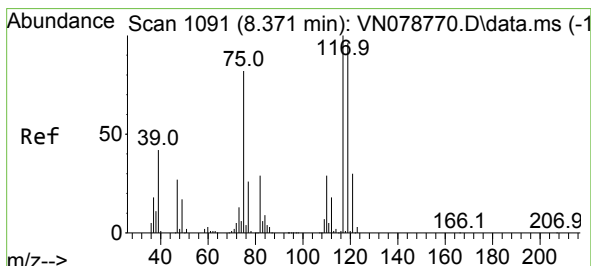
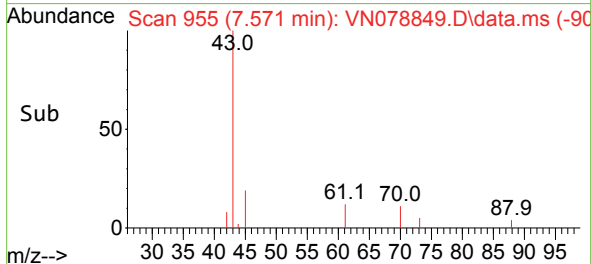
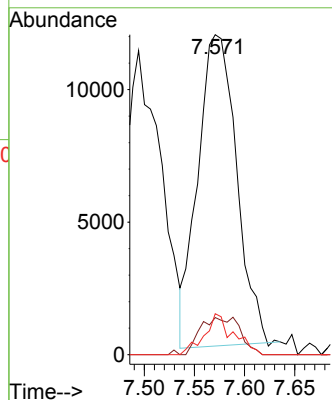


#37
Ethyl Acetate
Concen: 8.263 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :

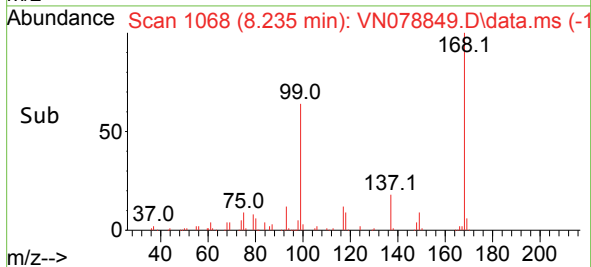
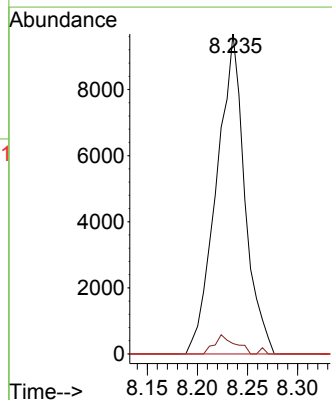
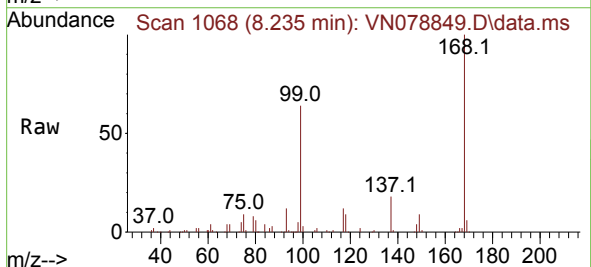


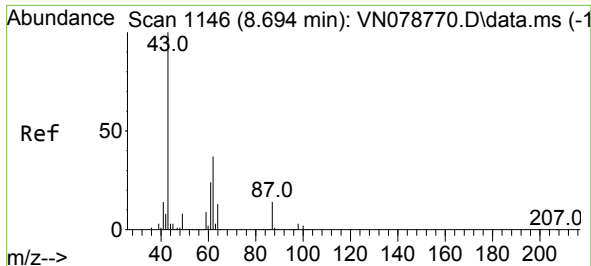
Tgt Ion: 43 Resp: 31566
Ion Ratio Lower Upper
43 100
61 12.3 13.2 19.8#
70 9.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.125 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

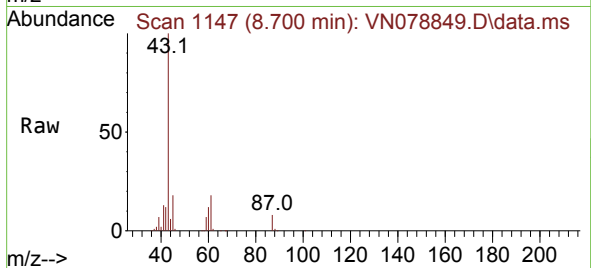
Tgt Ion: 117 Resp: 18982
Ion Ratio Lower Upper
117 100
119 3.2 77.3 115.9#
121 0.0 23.3 34.9#



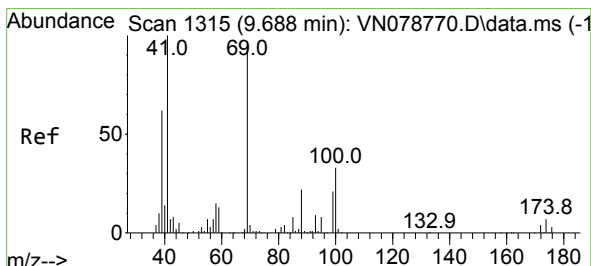
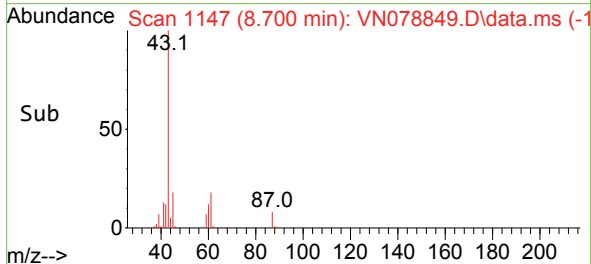
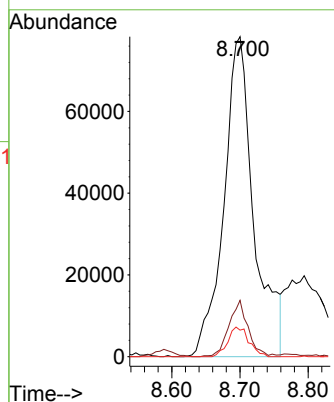


#43
Isopropyl Acetate
Concen: 37.213 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :

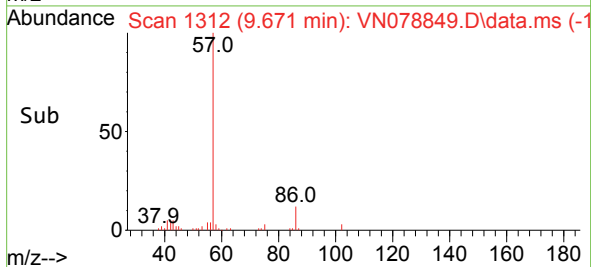
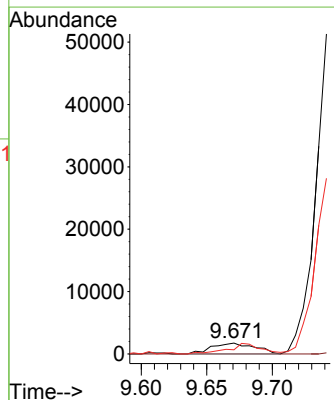
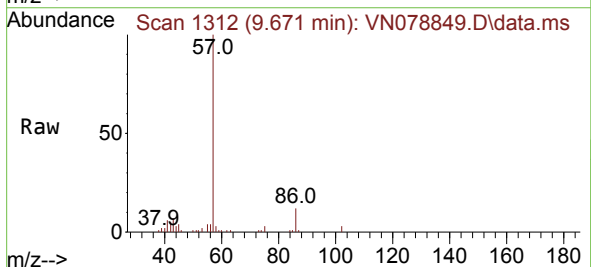


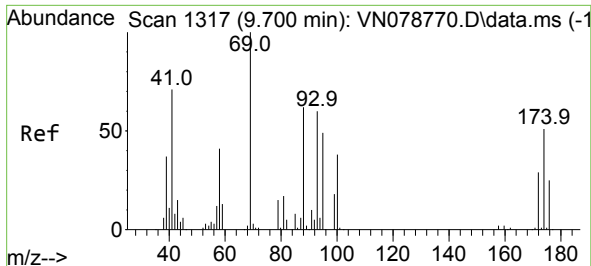
Tgt Ion: 43 Resp: 239682
Ion Ratio Lower Upper
43 100
61 11.4 24.7 37.1#
87 6.5 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.339 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Tgt Ion: 41 Resp: 3986
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 73.5 54.6 81.8





#49

1,4-Dioxane

Concen: 3.042 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

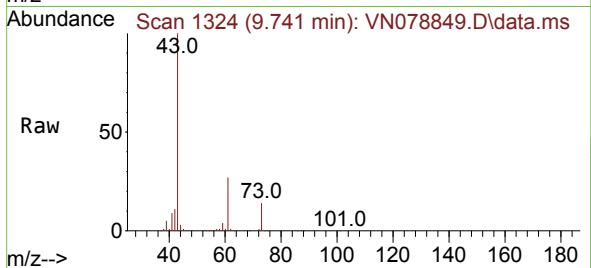
Lab File: VN078849.D

Acq: 10 Aug 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :



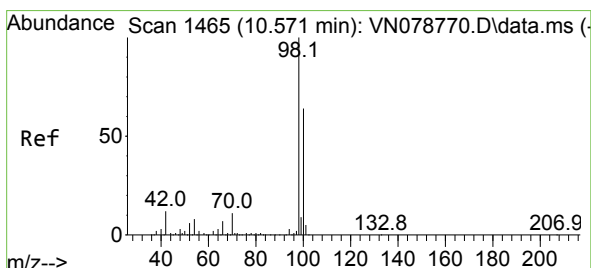
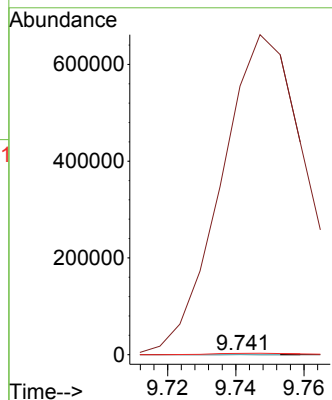
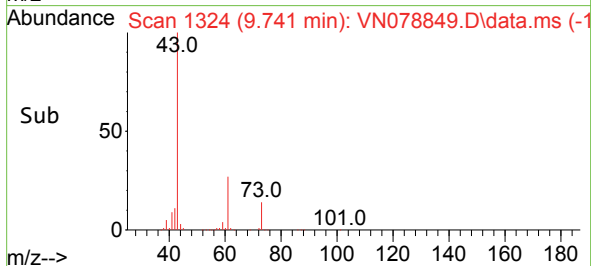
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 810083.0 17.0 25.6#

58 3740.1 47.0 70.4#



#50

Toluene-d8

Concen: 50.888 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078849.D

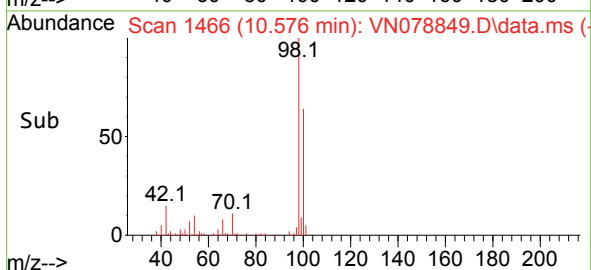
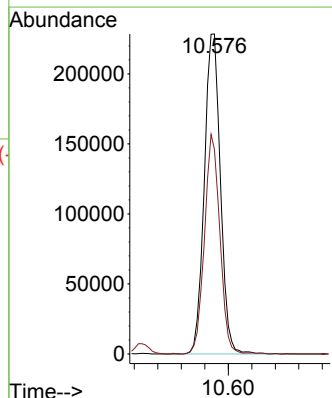
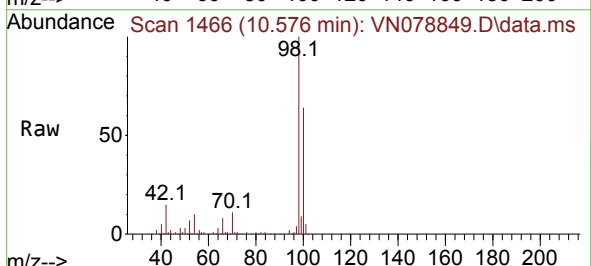
Acq: 10 Aug 2023 19:58

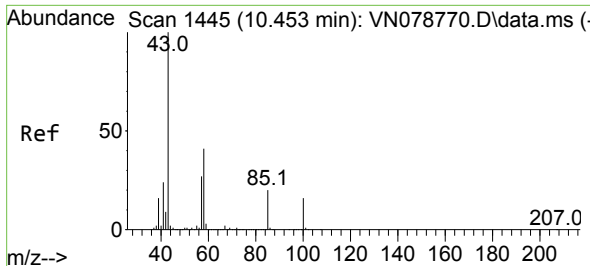
Tgt Ion: 98 Resp: 433712

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

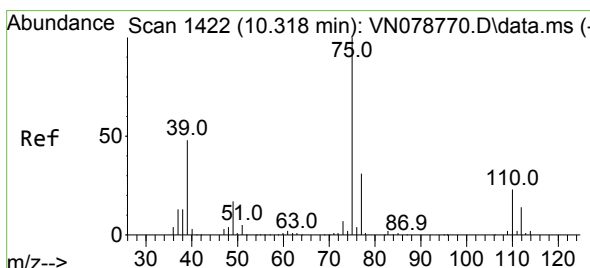
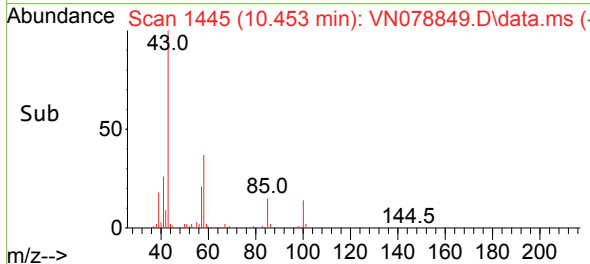
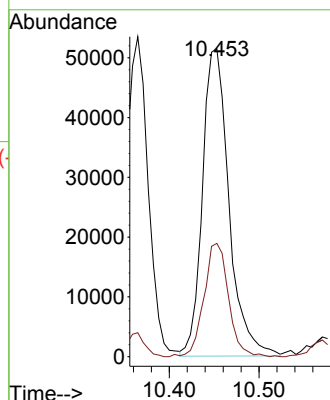
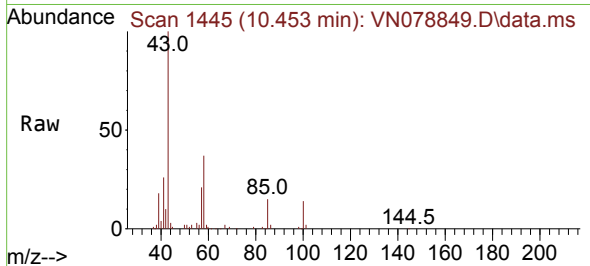




#51
4-Methyl-2-Pentanone
Concen: 26.762 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

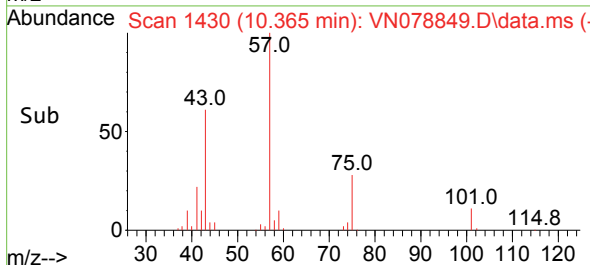
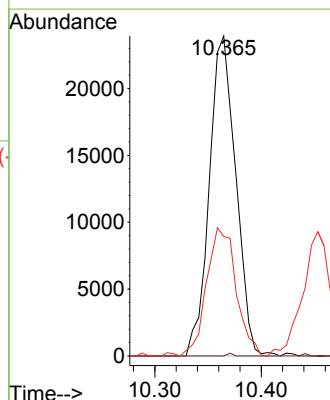
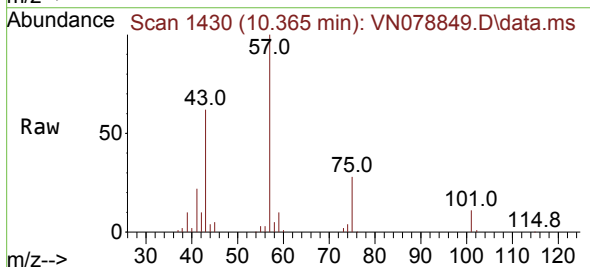
Instrument :
MSVOA_N
ClientSampleId :

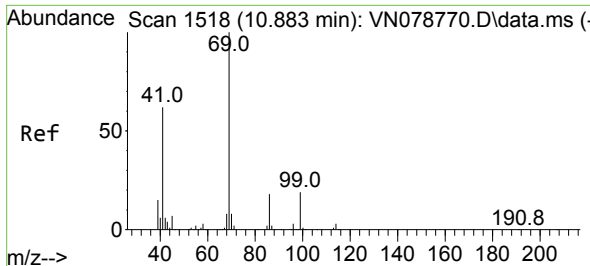
Tgt Ion: 43 Resp: 105580
Ion Ratio Lower Upper
43 100
58 34.1 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.650 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

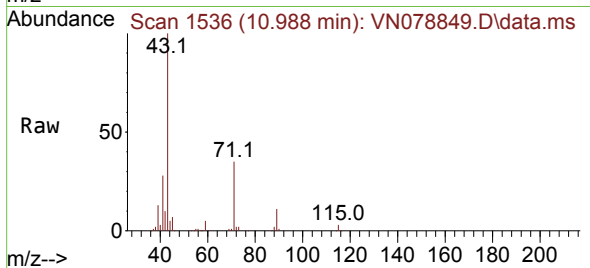
Tgt Ion: 75 Resp: 41343
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 37.3 31.6 47.4



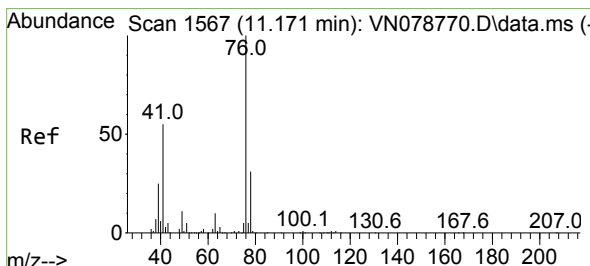
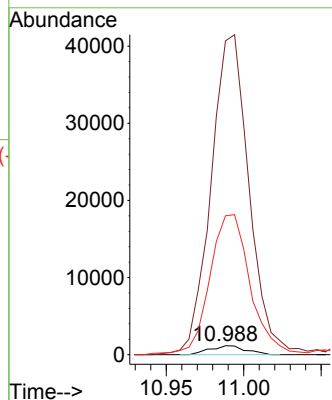
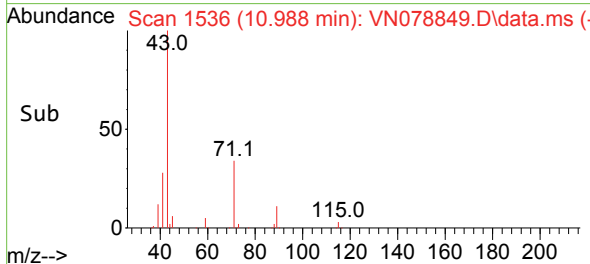


#56
Ethyl methacrylate
Concen: 0.494 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :

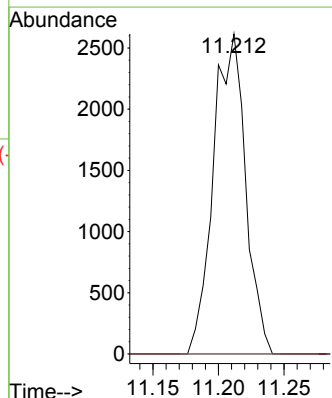
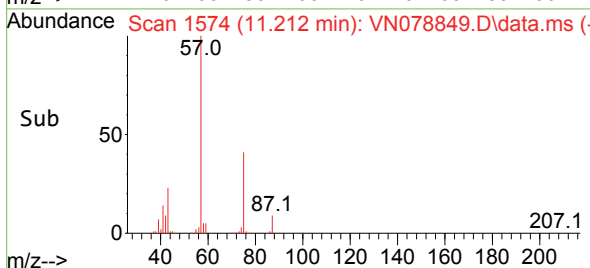
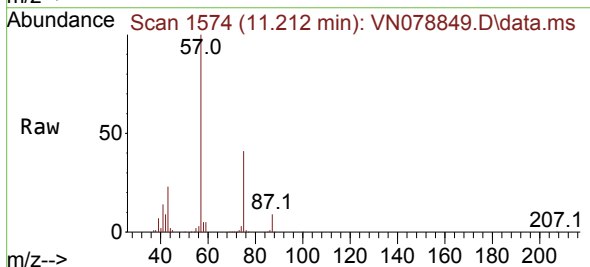


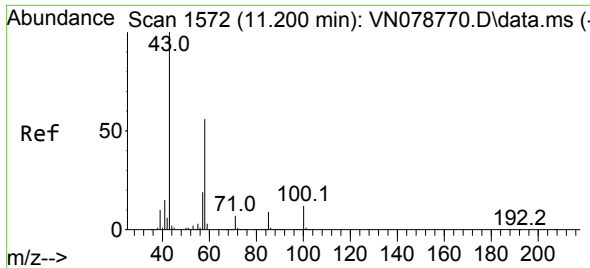
Tgt Ion: 69 Resp: 1891
Ion Ratio Lower Upper
69 100
41 3749.3 39.6 59.4#
39 1745.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.973 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Tgt Ion: 76 Resp: 4465
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

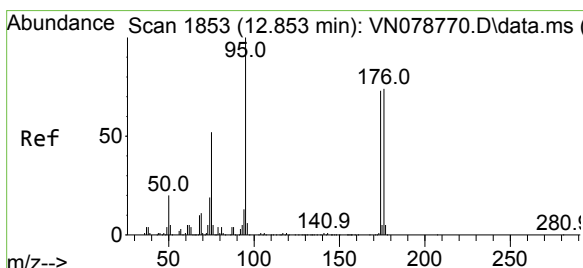
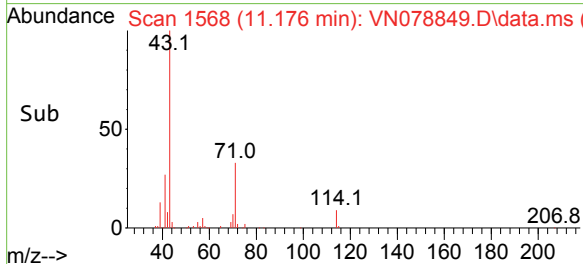
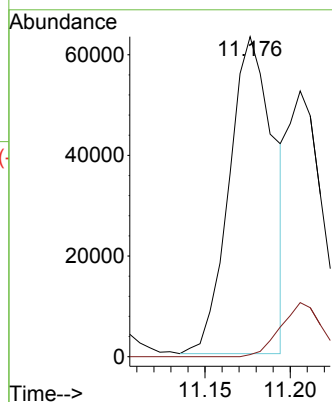
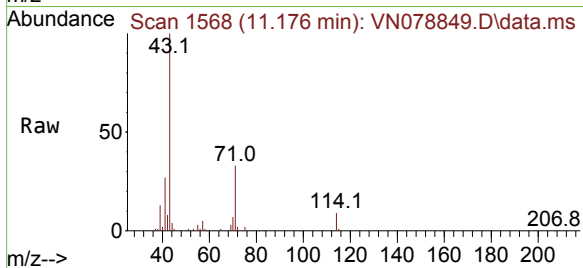




#59
2-Hexanone
Concen: 41.023 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

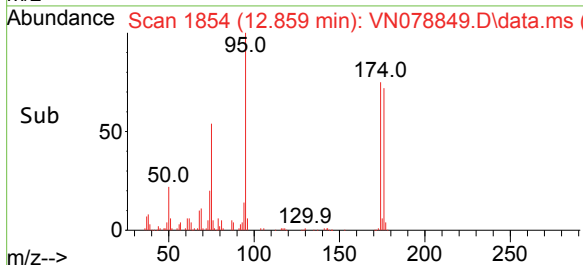
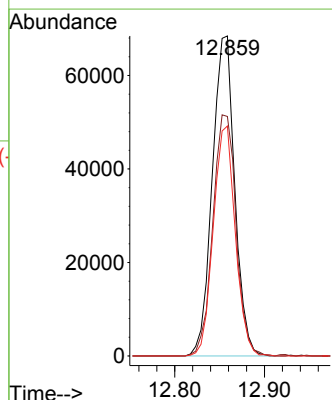
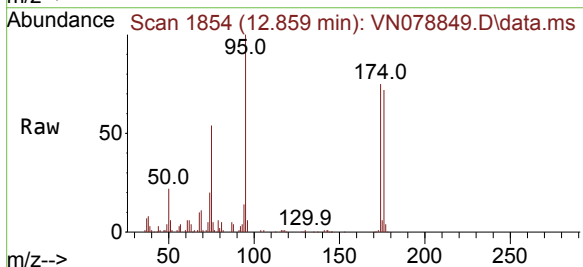
Instrument :
MSVOA_N
ClientSampleId :

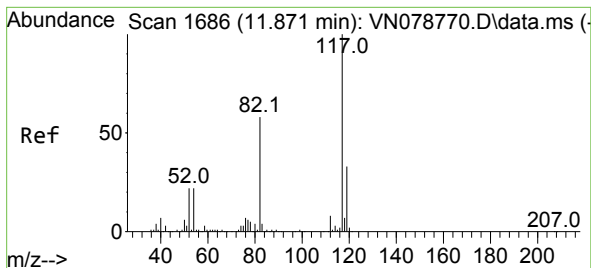
Tgt Ion: 43 Resp: 114599
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.718 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

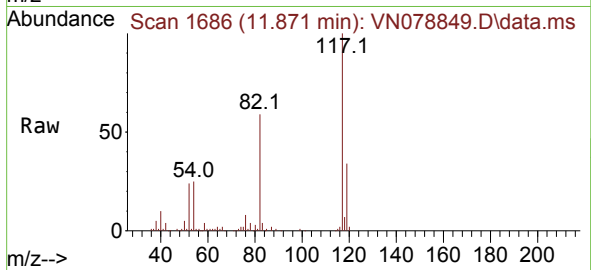
Tgt Ion: 95 Resp: 118996
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 70.4 0.0 135.8



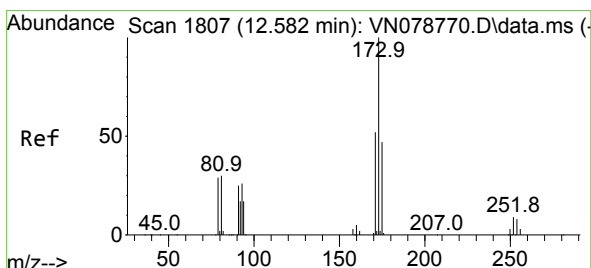
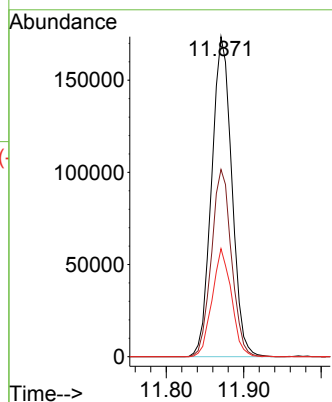
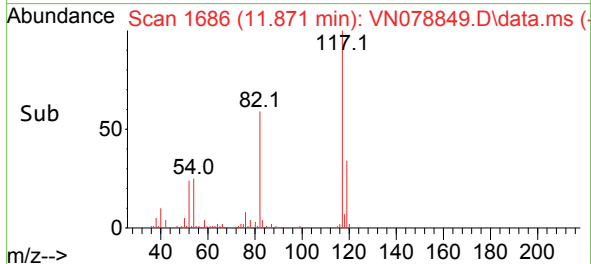


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

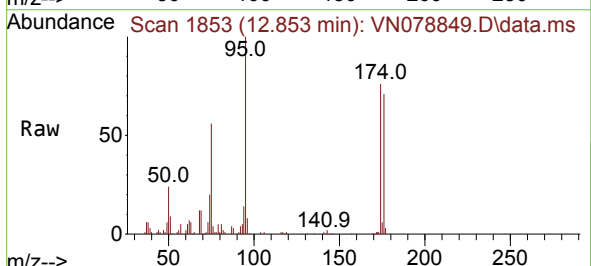
Instrument :
MSVOA_N
ClientSampleId :



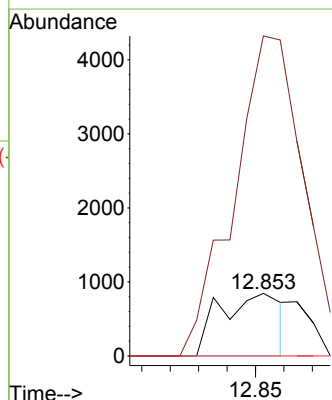
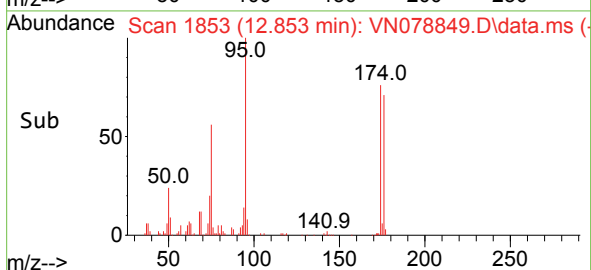
Tgt Ion:117 Resp: 314033
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 33.8 25.6 38.4

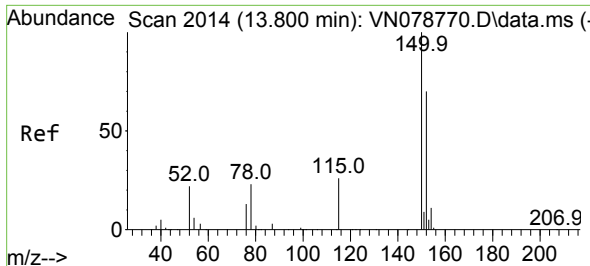


#71
Bromoform
Concen: 0.657 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58



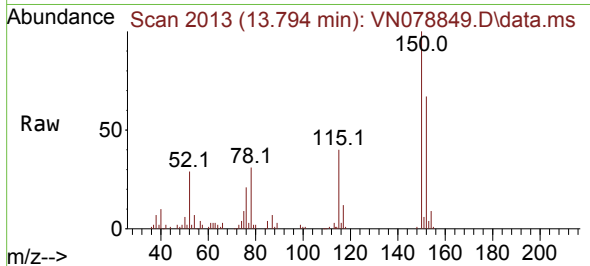
Tgt Ion:173 Resp: 1269
Ion Ratio Lower Upper
173 100
175 428.5 24.3 73.0#
254 0.0 0.0 0.0



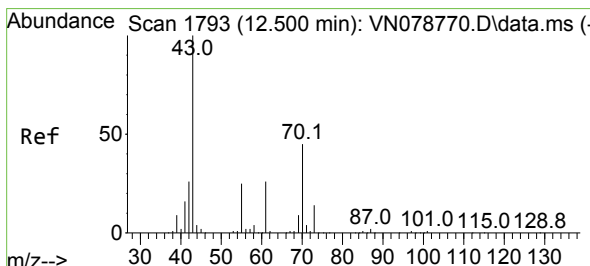
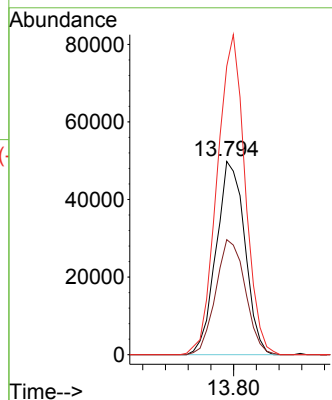
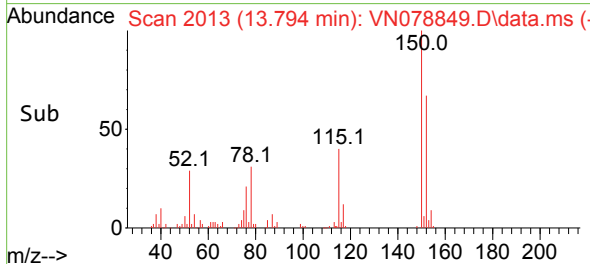


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

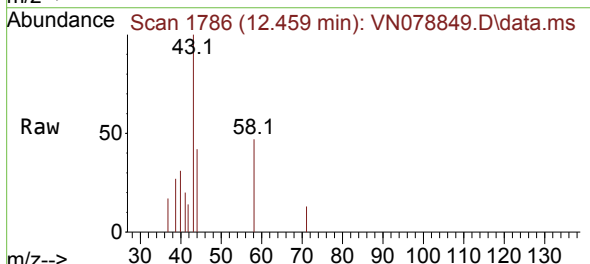
Instrument :
MSVOA_N
ClientSampleId :



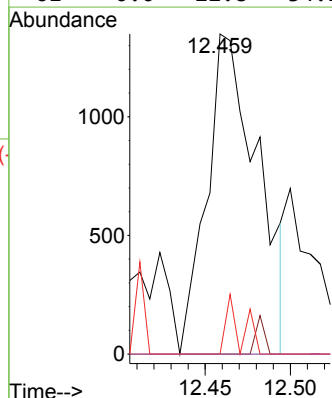
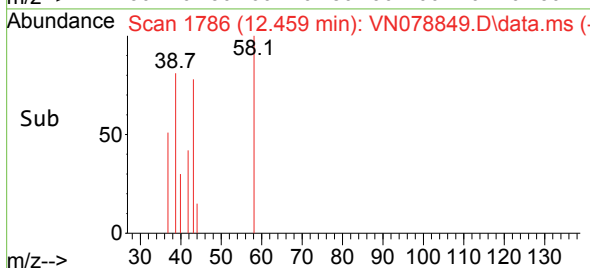
Tgt Ion:152 Resp: 87381
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 161.2 0.0 355.8

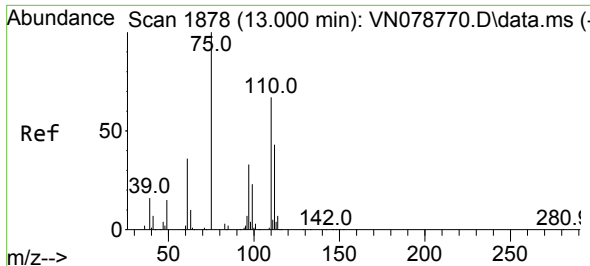


#74
N-ethyl acetate
Concen: 0.718 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58



Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 5.6 21.4 32.0#
61 0.0 22.8 34.2#

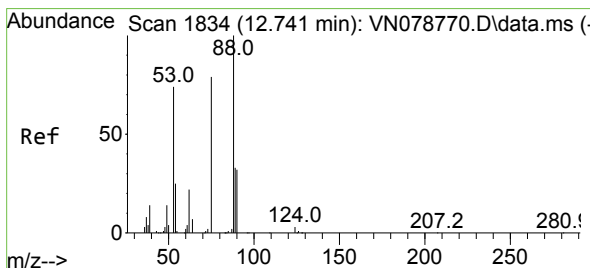
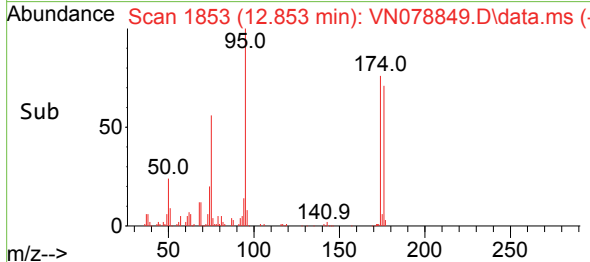
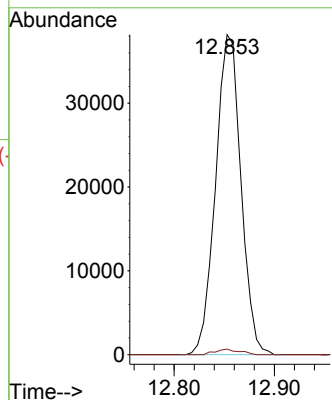
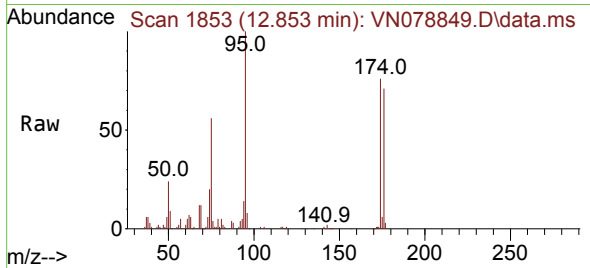




#76
1,2,3-Trichloropropane
Concen: 28.391 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67074
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.184 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078849.D
Acq: 10 Aug 2023 19:58

Tgt Ion: 75 Resp: 67074
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

