

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078837.D
 Acq On : 10 Aug 2023 15:08
 Operator : JC\MD
 Sample : PB154726ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:52:27 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)

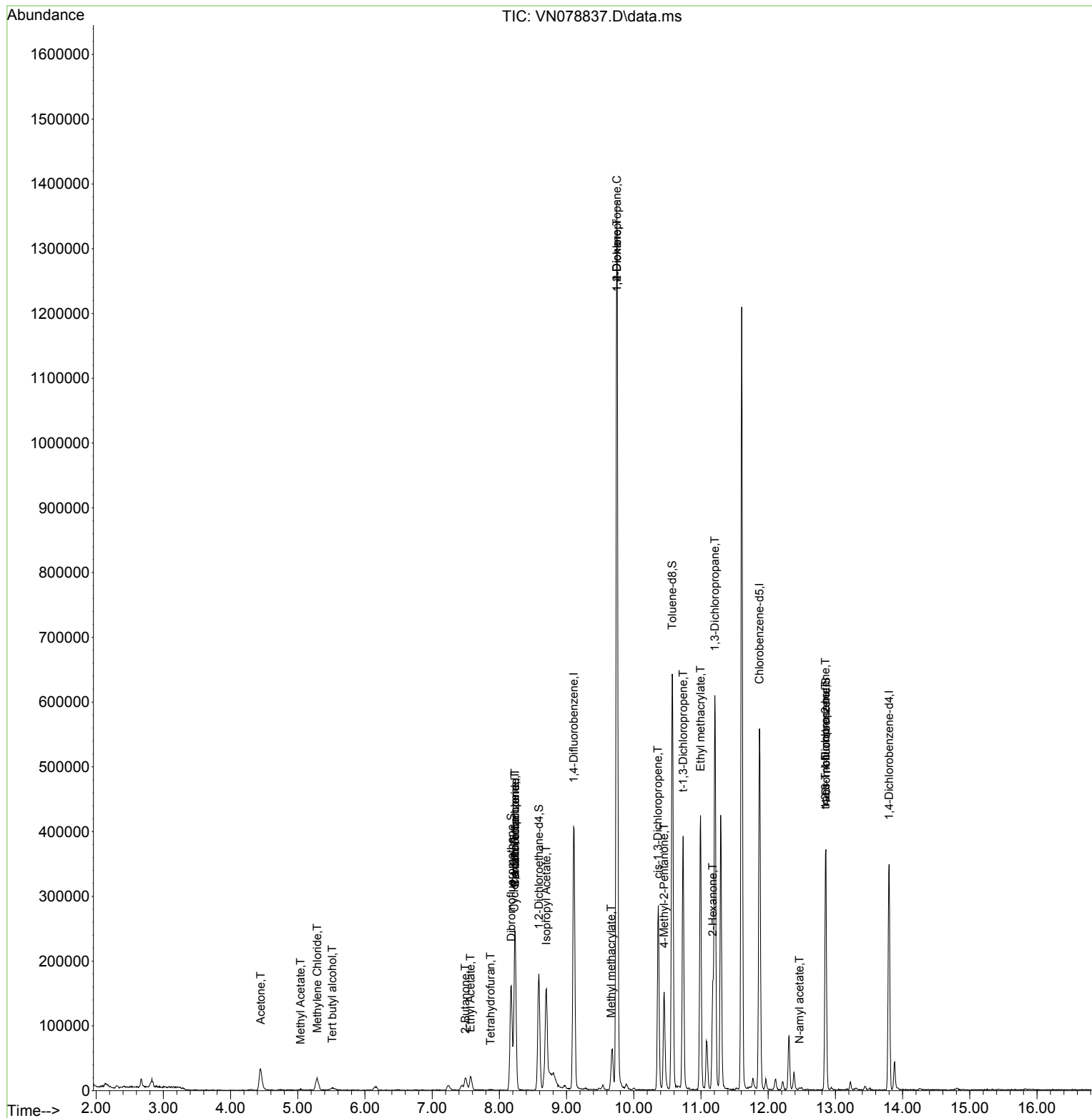
Internal Standards						
1) Pentafluorobenzene	8.235	168	167329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	311721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	88248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	137680	54.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.780%		
35) Dibromofluoromethane	8.177	113	111201	47.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 95.580%		
50) Toluene-d8	10.571	98	434343	50.724	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 101.440%		
62) 4-Bromofluorobenzene	12.859	95	123232	48.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 96.300%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	1896	4.307	ug/l #	72
16) Acetone	4.447	43	63938	66.245	ug/l	88
18) Methyl Acetate	5.041	43	2585	0.596	ug/l #	48
20) Methylene Chloride	5.289	84	12442	5.205	ug/l #	54
25) 2-Butanone	7.494	43	32171	19.684	ug/l #	75
29) Tetrahydrofuran	7.871	42	548	0.501	ug/l #	30
31) Cyclohexane	8.224	56	5006	1.358	ug/l #	73
36) 1,1-Dichloropropene	8.229	75	15923	4.411	ug/l #	50
37) Ethyl Acetate	7.571	43	31730	8.267	ug/l #	87
38) Carbon Tetrachloride	8.235	117	19698	5.293	ug/l #	15
43) Isopropyl Acetate	8.700	43	194966	30.128	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1345	0.460	ug/l #	45
48) Methyl methacrylate	9.665	41	5767	1.929	ug/l #	33
49) 1,4-Dioxane	9.747	88	175	3.604	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	111715	28.184	ug/l #	82
53) t-1,3-Dichloropropene	10.735	75	1070	0.270	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	46898	10.895	ug/l #	69
56) Ethyl methacrylate	10.994	69	1777	0.462	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6716	1.457	ug/l #	42
59) 2-Hexanone	11.176	43	131302	46.782	ug/l #	19
74) N-amyl acetate	12.465	43	3404	0.864	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	68911	28.882	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68911	77.501	ug/l #	15

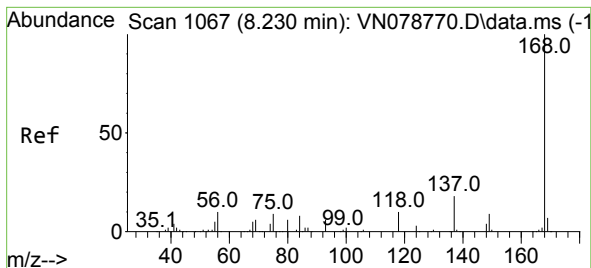
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN078837.D

Acq: 10 Aug 2023 15:08

Instrument :

MSVOA_N

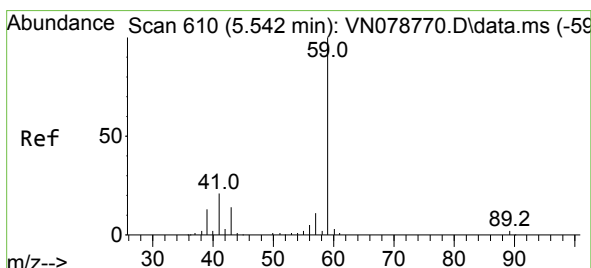
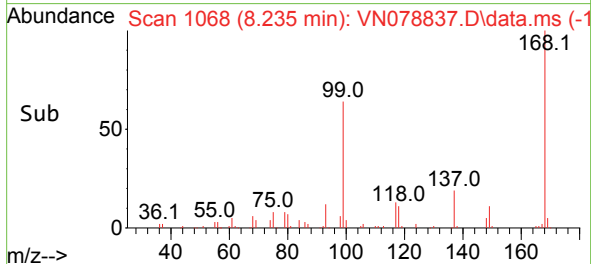
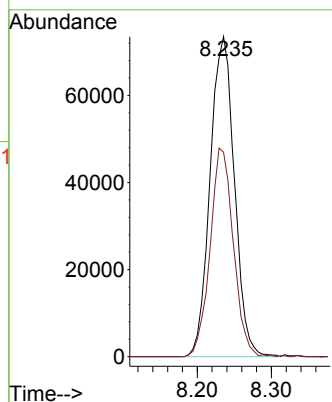
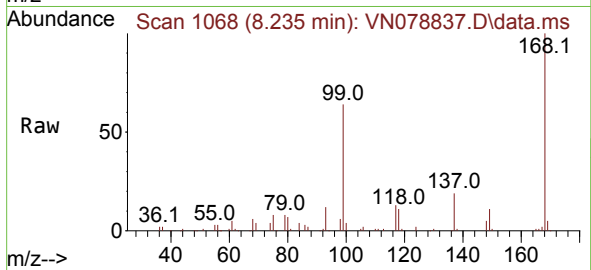
ClientSampleId :

Tgt Ion:168 Resp: 167329

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



#11

Tert butyl alcohol

Concen: 4.307 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.030 min

Lab File: VN078837.D

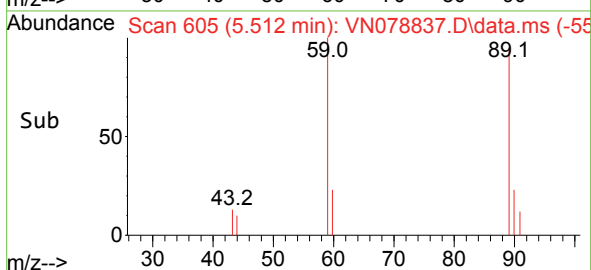
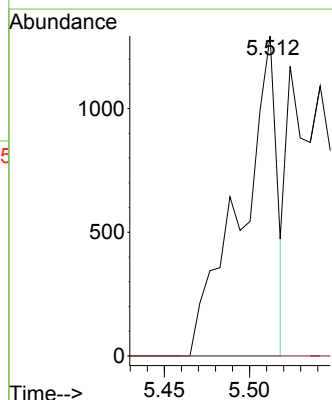
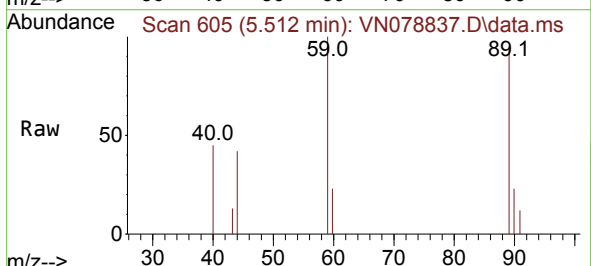
Acq: 10 Aug 2023 15:08

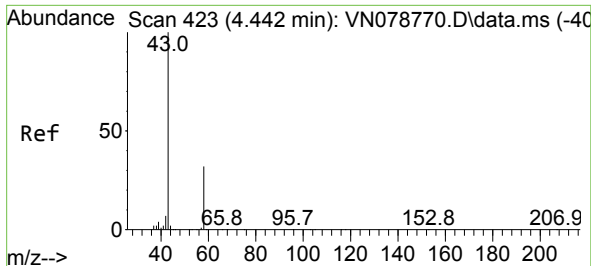
Tgt Ion: 59 Resp: 1896

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

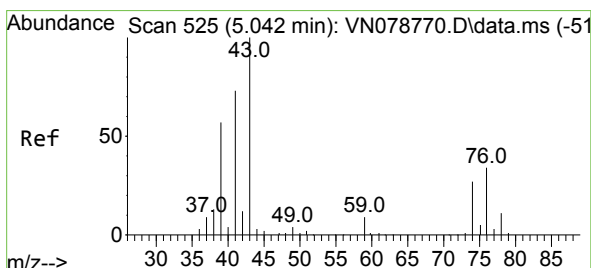
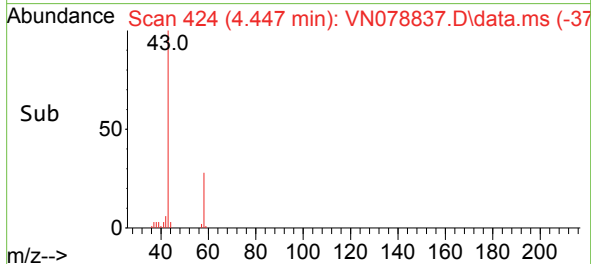
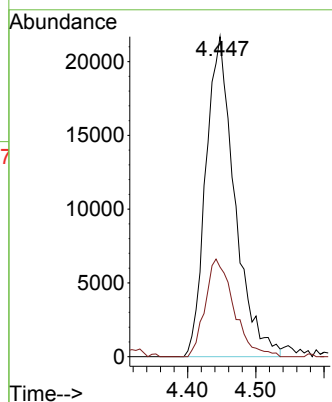
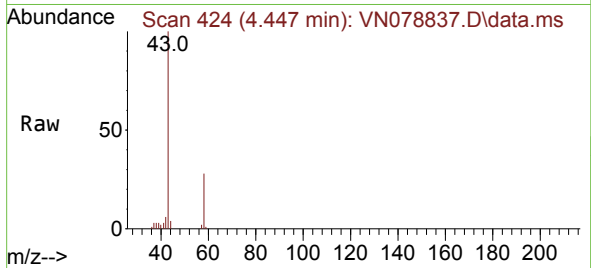




#16
Acetone
Concen: 66.245 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

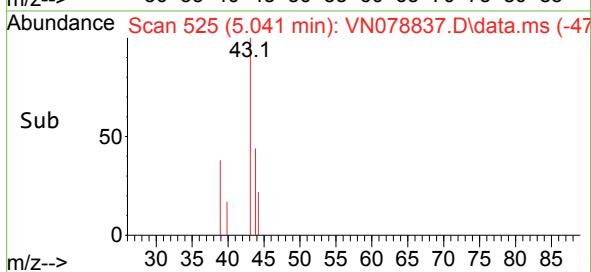
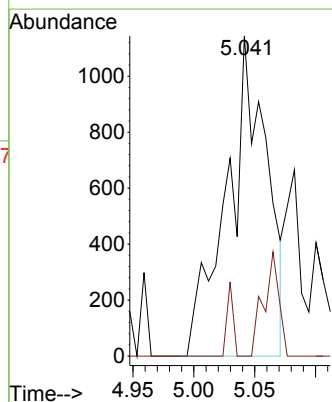
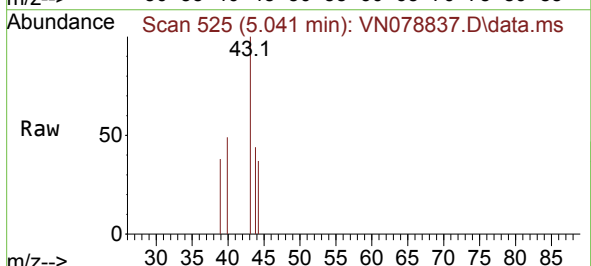
Instrument :
MSVOA_N
ClientSampleId :

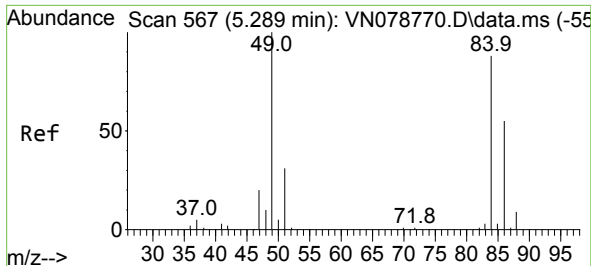
Tgt Ion: 43 Resp: 63938
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

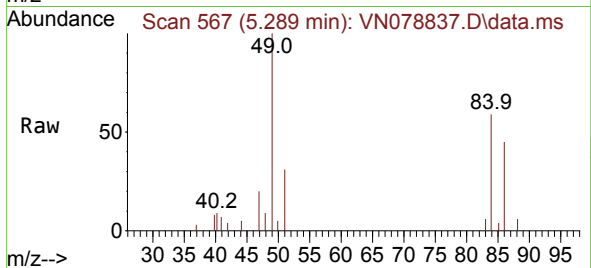
Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
74 3.6 26.2 39.4#



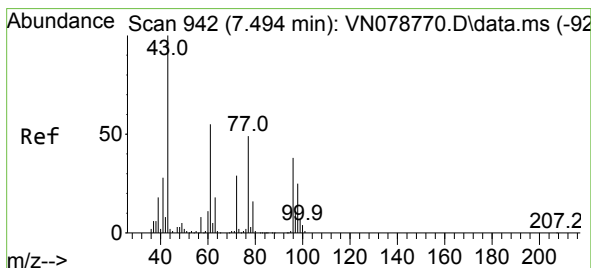
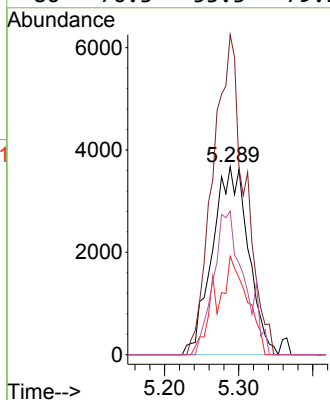
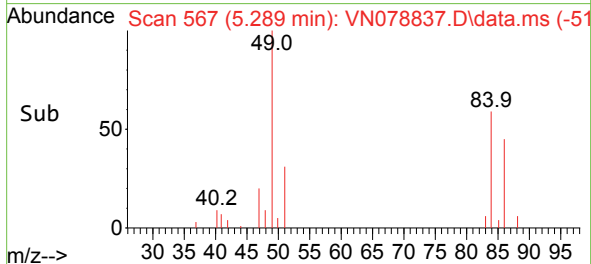


#20
Methylene Chloride
Concen: 5.205 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :

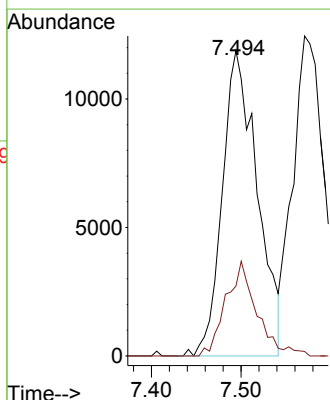
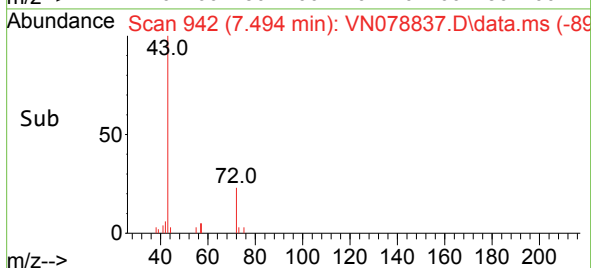
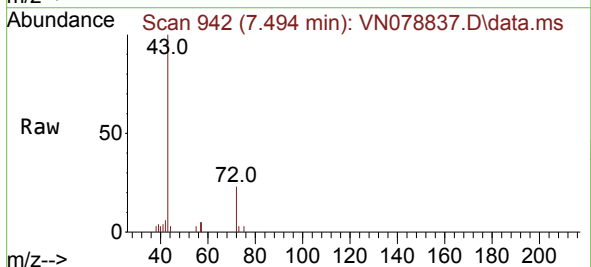


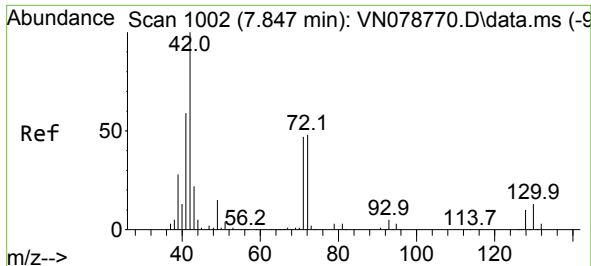
Tgt Ion: 84	Resp: 12442
Ion Ratio	Lower Upper
84	100
49	170.2 79.7 119.5#
51	52.3 25.2 37.8#
86	76.3 53.3 79.9



#25
2-Butanone
Concen: 19.684 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

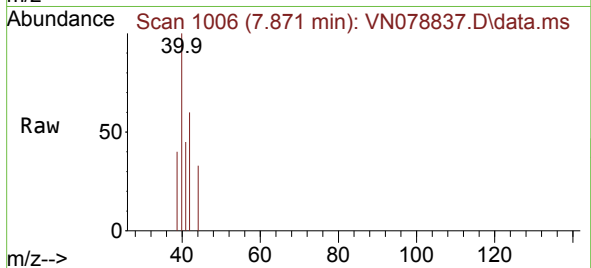
Tgt Ion: 43	Resp: 32171
Ion Ratio	Lower Upper
43	100
72	22.9 30.2 45.2#



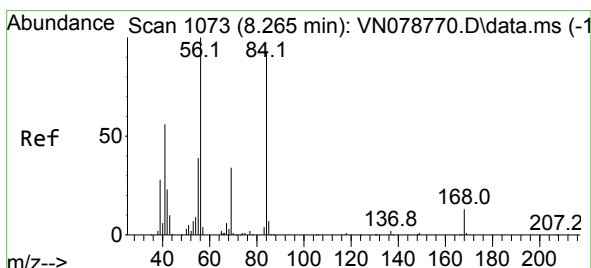
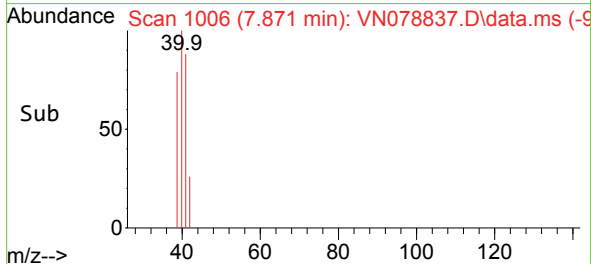
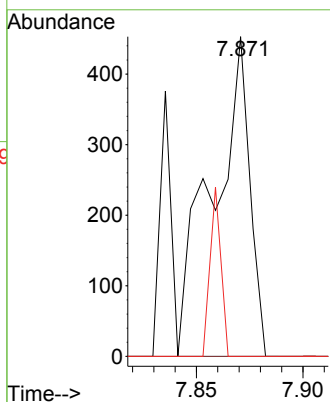


#29
Tetrahydrofuran
Concen: 0.501 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.024 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :

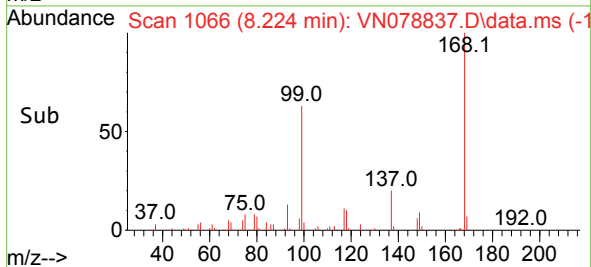
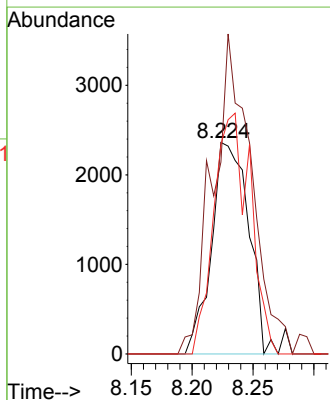
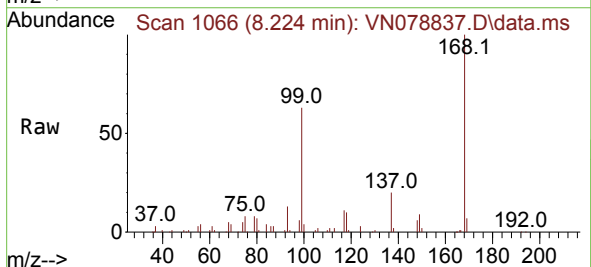


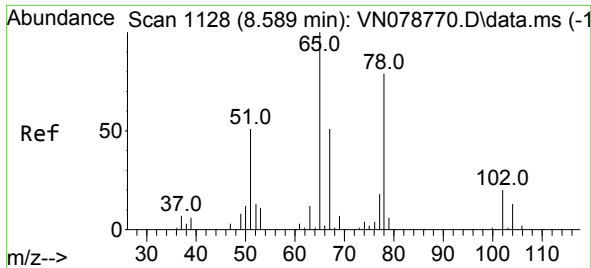
Tgt Ion: 42 Resp: 548
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 15.5 47.4 71.2#



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Tgt Ion: 56 Resp: 5006
Ion Ratio Lower Upper
56 100
69 90.8 26.8 40.2#
84 99.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.885 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078837.D

Acq: 10 Aug 2023 15:08

Instrument :

MSVOA_N

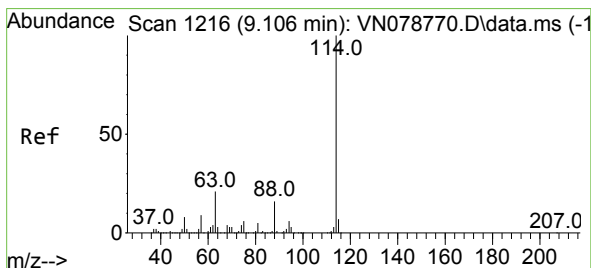
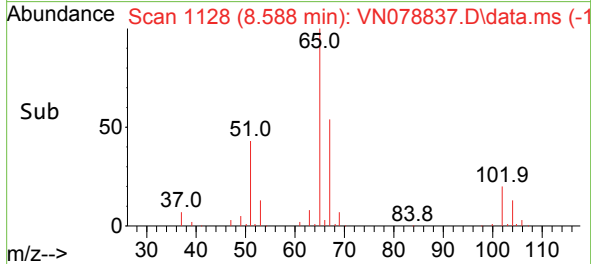
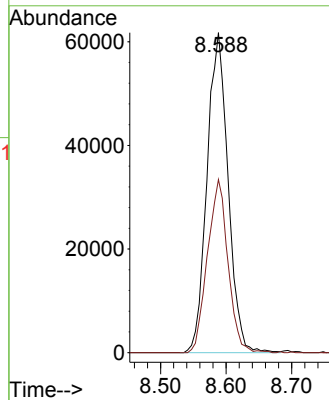
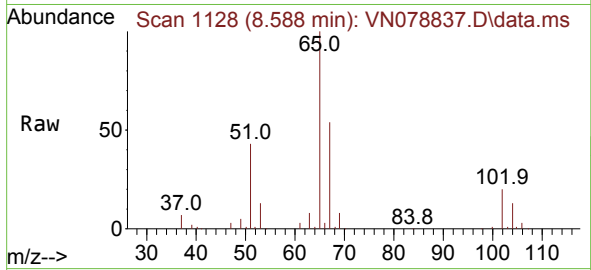
ClientSampleId :

Tgt Ion: 65 Resp: 137680

Ion Ratio Lower Upper

65 100

67 52.8 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: VN078837.D

Acq: 10 Aug 2023 15:08

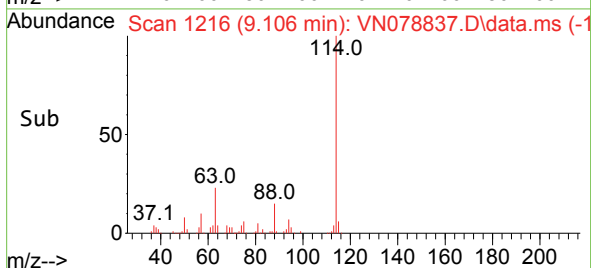
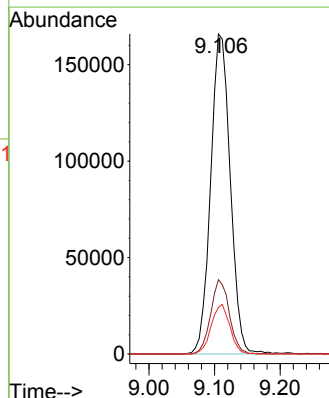
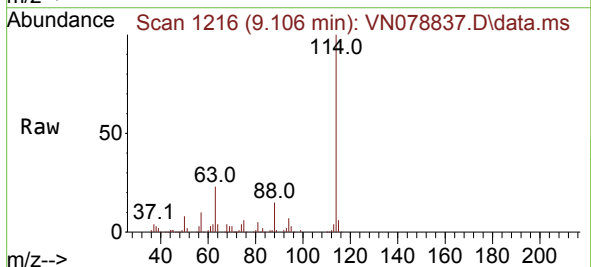
Tgt Ion: 114 Resp: 344566

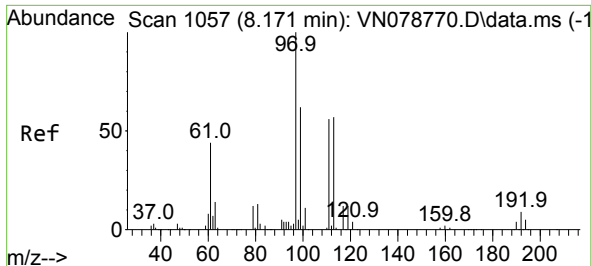
Ion Ratio Lower Upper

114 100

63 23.2 0.0 36.4

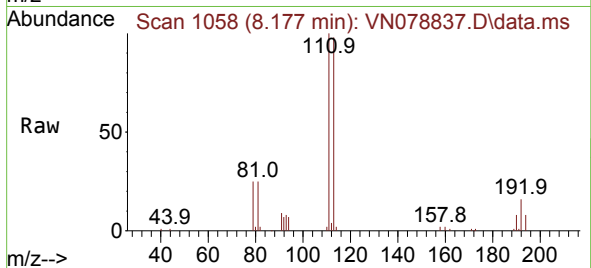
88 14.6 0.0 30.6



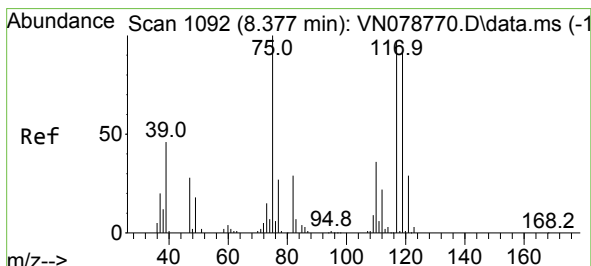
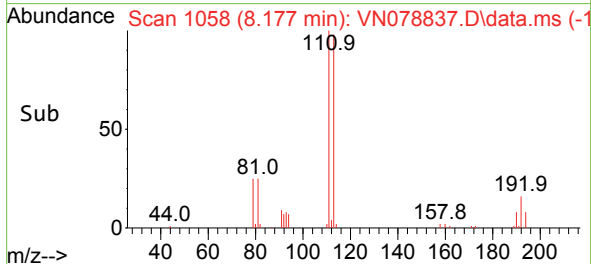
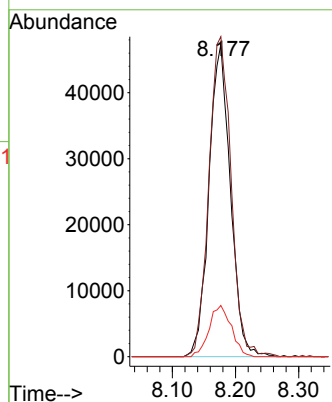


#35
 Dibromofluoromethane
 Concen: 47.789 ug/l
 RT: 8.177 min Scan# 111201
 Delta R.T. 0.006 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

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 ClientSampleId :

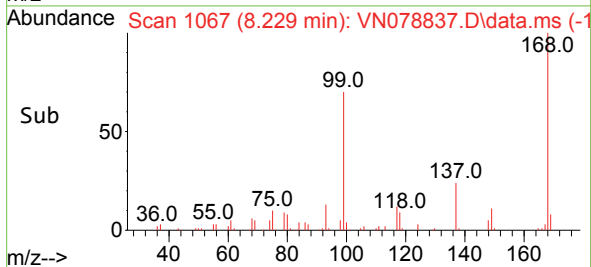
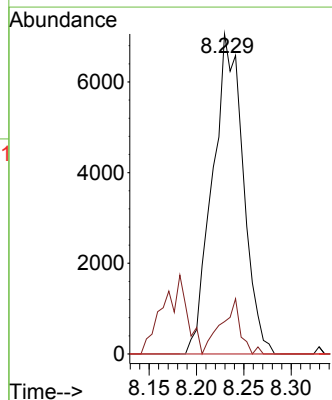
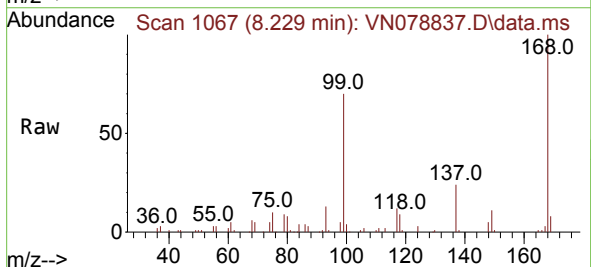


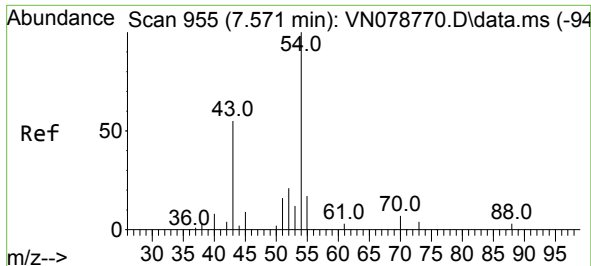
Tgt Ion: 113 Resp: 111201
 Ion Ratio Lower Upper
 113 100
 111 106.0 82.6 123.8
 192 17.1 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.411 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

Tgt Ion: 75 Resp: 15923
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 8.267 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN078837.D

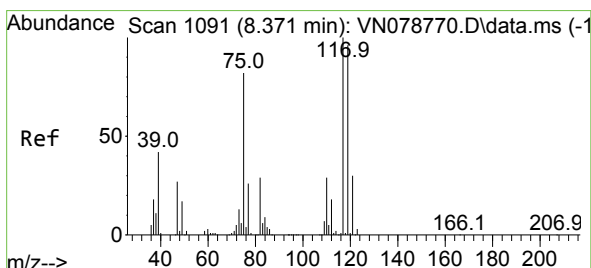
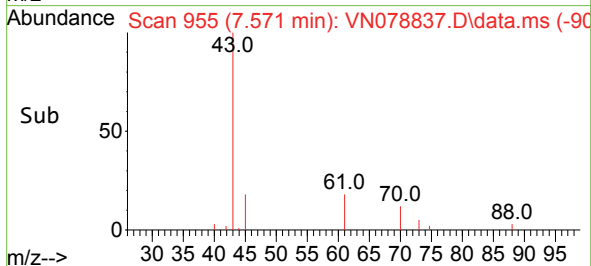
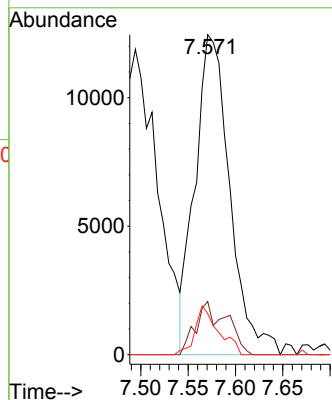
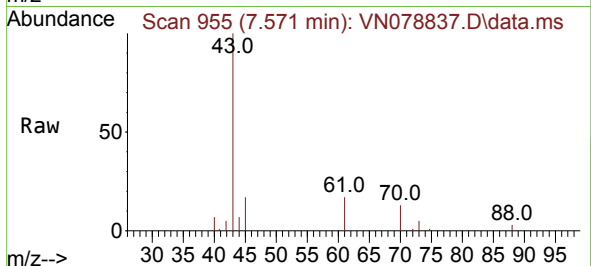
Acq: 10 Aug 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 31730
Ion Ratio	Lower Upper
43 100	
61 9.8	13.2 19.8#
70 10.2	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.293 ug/l

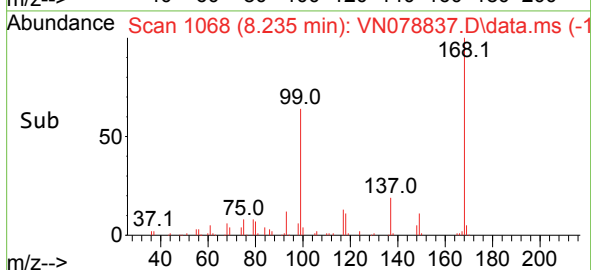
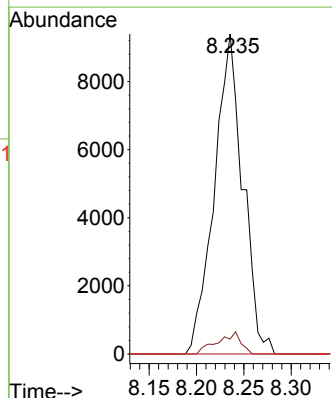
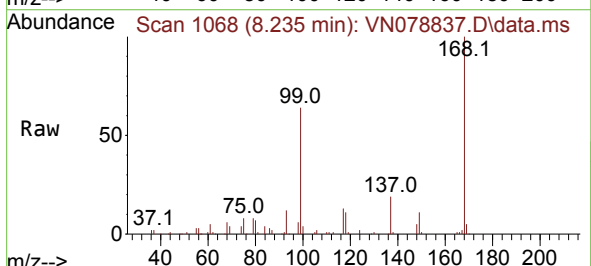
RT: 8.235 min Scan# 1068

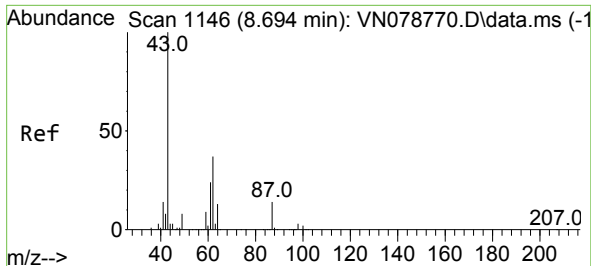
Delta R.T. -0.136 min

Lab File: VN078837.D

Acq: 10 Aug 2023 15:08

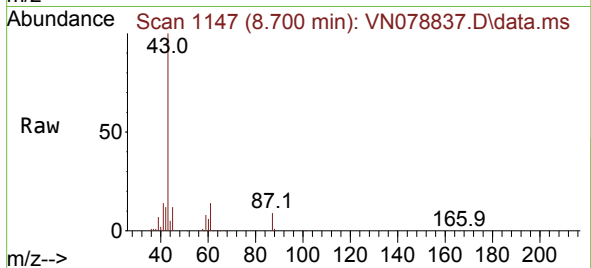
Tgt Ion: 117	Resp: 19698
Ion Ratio	Lower Upper
117 100	
119 4.7	77.3 115.9#
121 0.0	23.3 34.9#



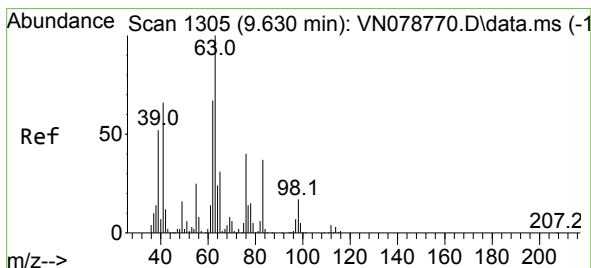
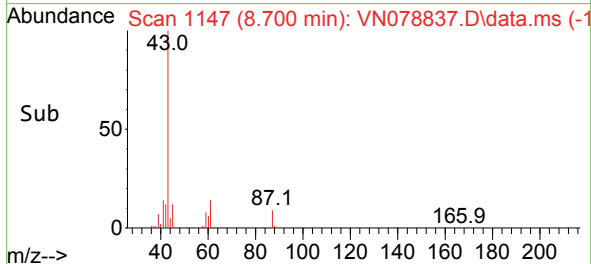
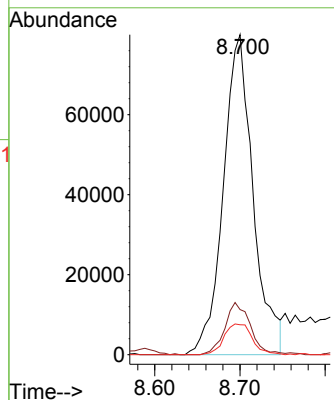


#43
Isopropyl Acetate
Concen: 30.128 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :

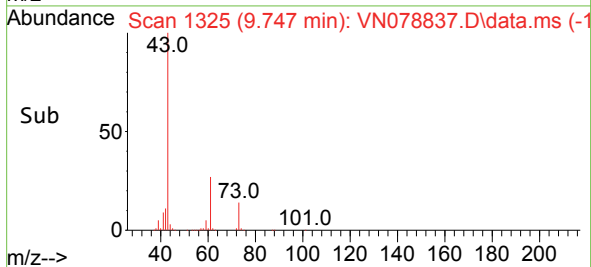
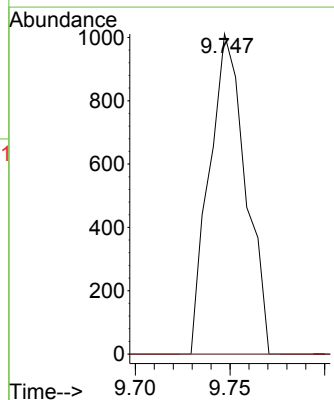
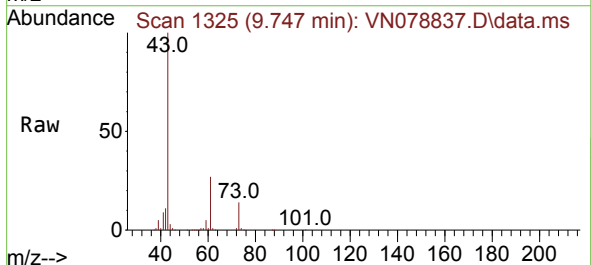


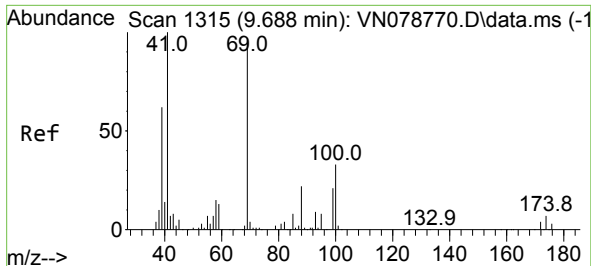
Tgt Ion: 43 Resp: 194966
Ion Ratio Lower Upper
43 100
61 14.0 24.7 37.1#
87 9.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.460 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.117 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

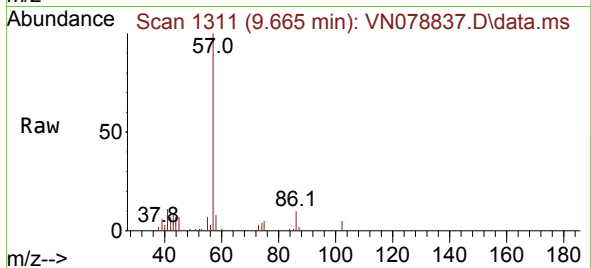
Tgt Ion: 63 Resp: 1345
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



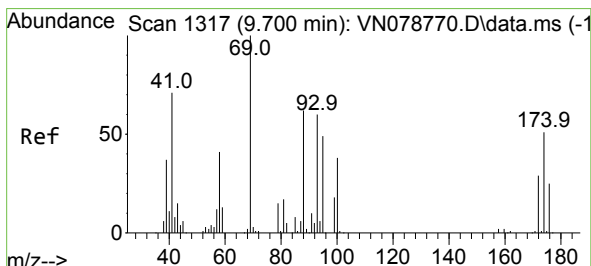
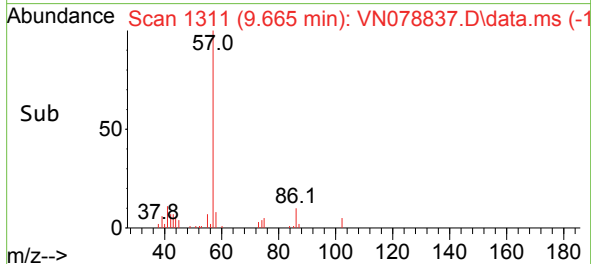
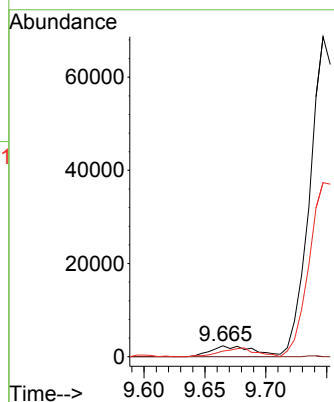


#48
Methyl methacrylate
Concen: 1.929 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :

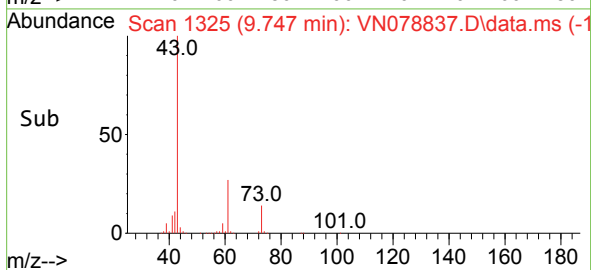
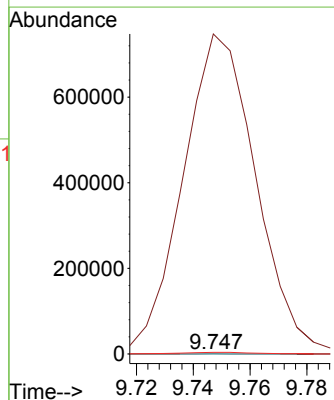
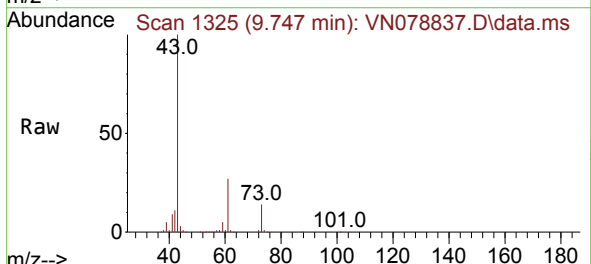


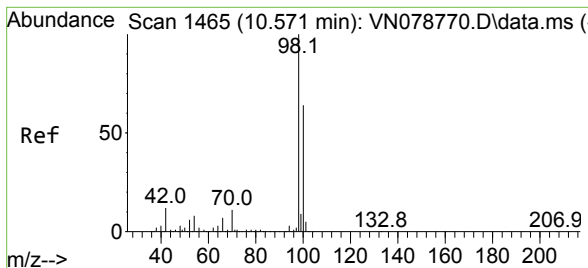
Tgt Ion: 41 Resp: 5767
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.1 54.6 81.8



#49
1,4-Dioxane
Concen: 3.604 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Tgt Ion: 88 Resp: 175
Ion Ratio Lower Upper
88 100
43 771524.6 17.0 25.6#
58 4146.9 47.0 70.4#

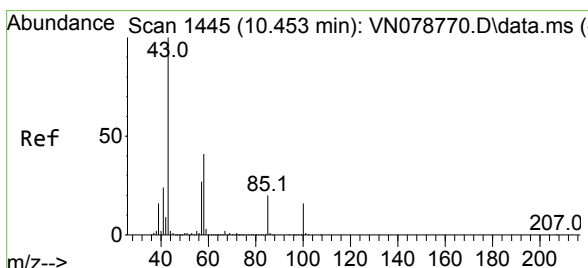
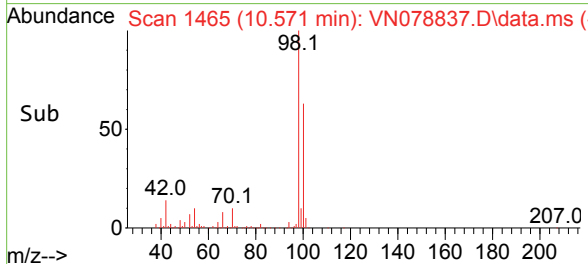
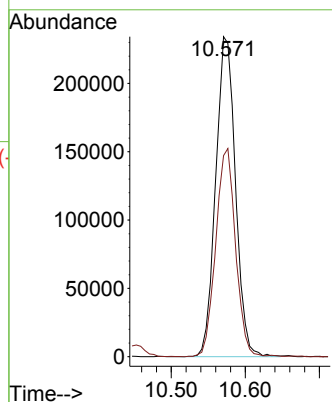
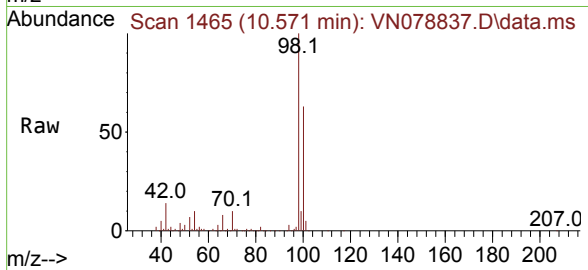




#50
Toluene-d8
Concen: 50.724 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

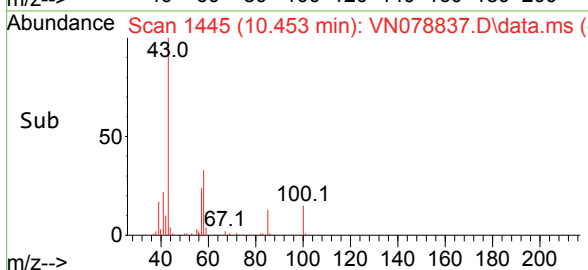
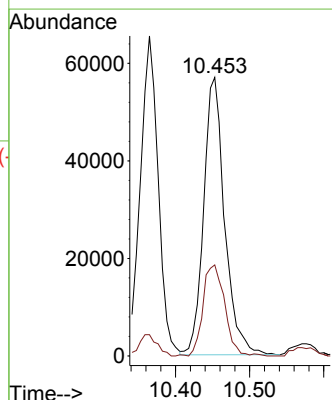
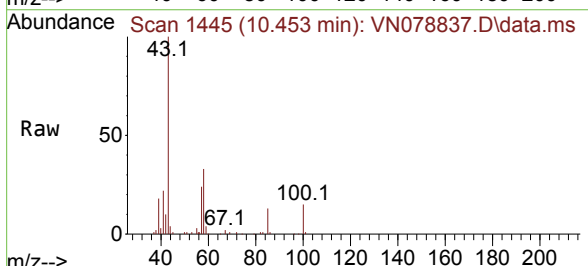
Instrument :
MSVOA_N
ClientSampleId :

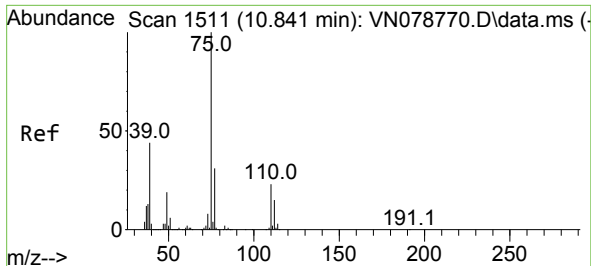
Tgt Ion: 98 Resp: 434343
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 28.184 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

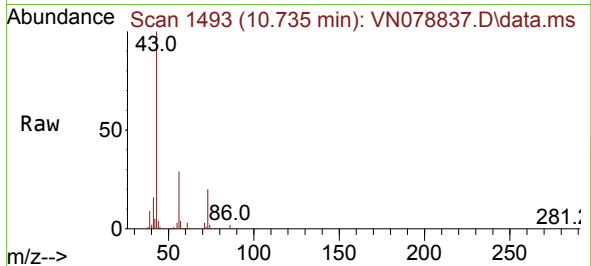
Tgt Ion: 43 Resp: 111715
Ion Ratio Lower Upper
43 100
58 33.9 36.6 54.8#



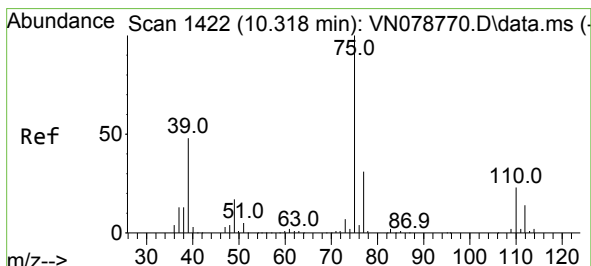
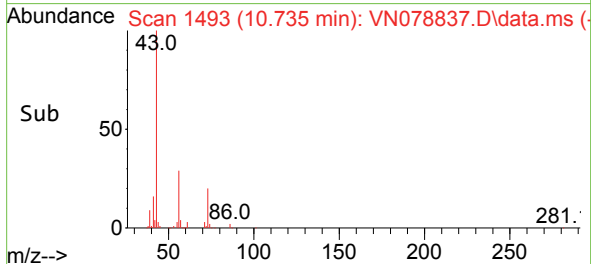
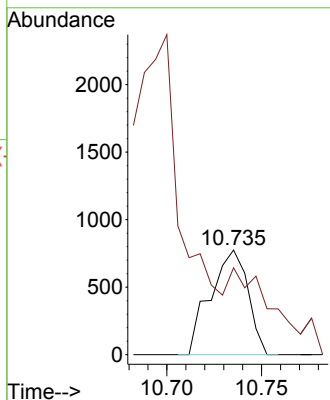


#53
 t-1,3-Dichloropropene
 Concen: 0.270 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

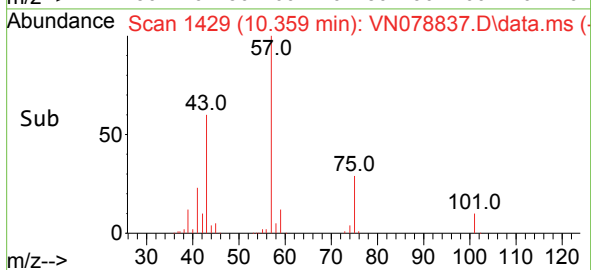
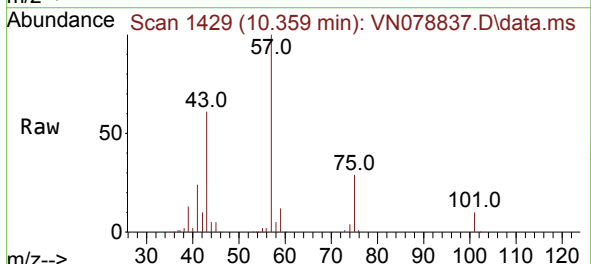
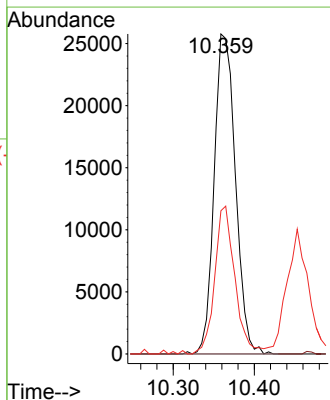


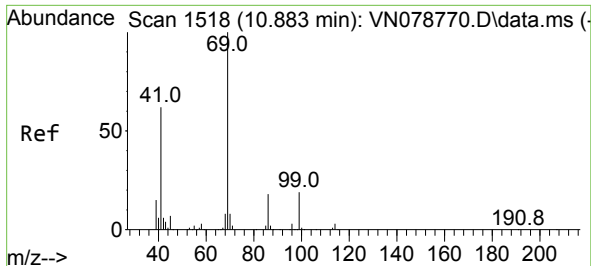
Tgt Ion: 75 Resp: 1070
 Ion Ratio Lower Upper
 75 100
 77 39.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.895 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

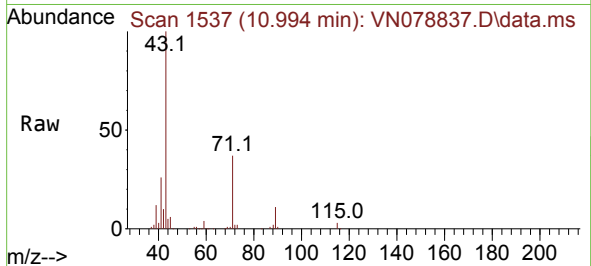
Tgt Ion: 75 Resp: 46898
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 44.8 31.6 47.4



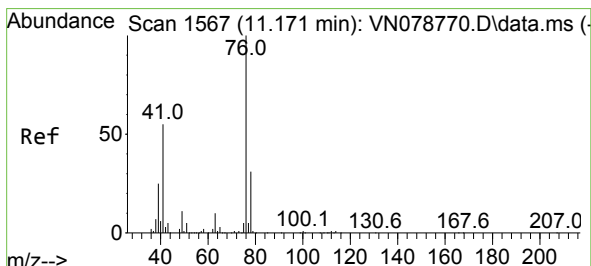
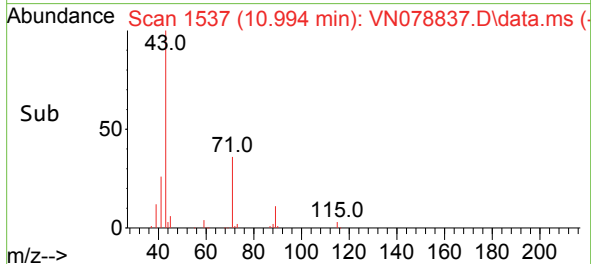
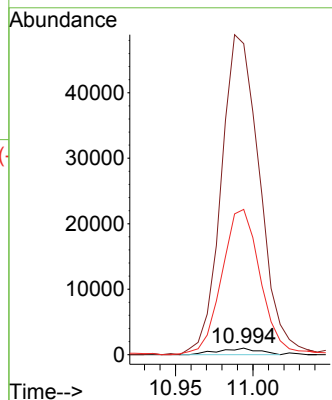


#56
 Ethyl methacrylate
 Concen: 0.462 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

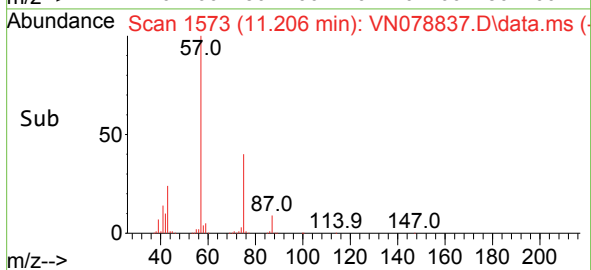
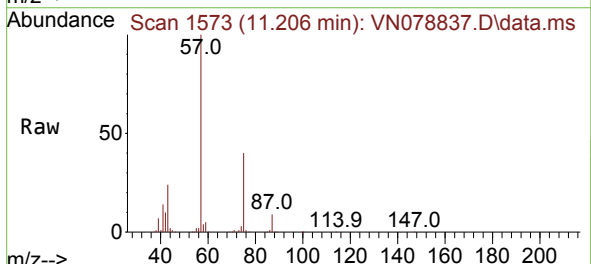
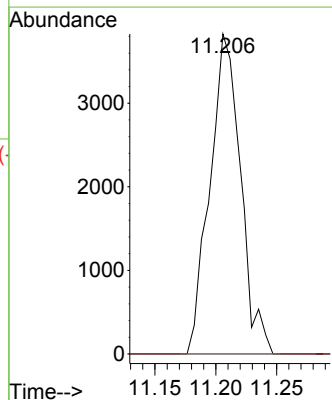


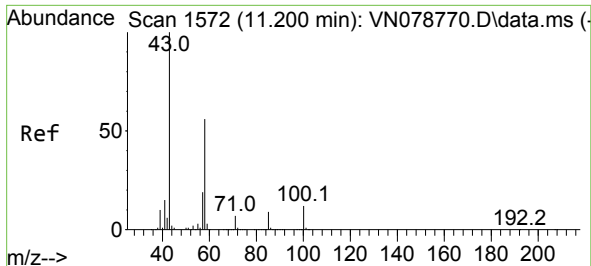
Tgt Ion: 69 Resp: 1777
 Ion Ratio Lower Upper
 69 100
 41 4746.4 39.6 59.4#
 39 2179.1 28.6 43.0#



#57
 1,3-Dichloropropane
 Concen: 1.457 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

Tgt Ion: 76 Resp: 6716
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

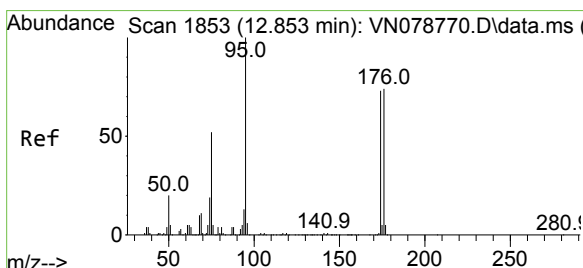
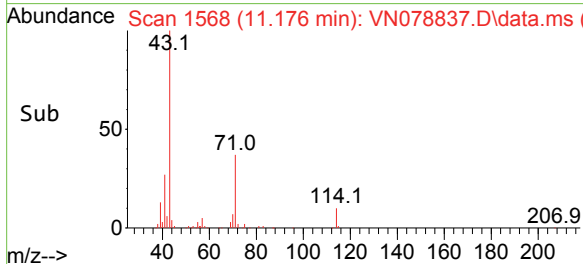
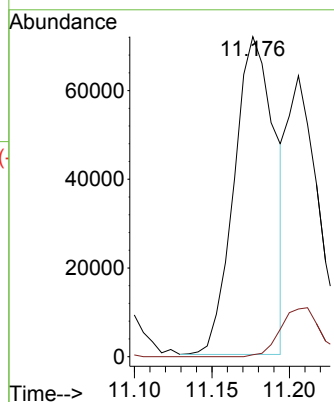
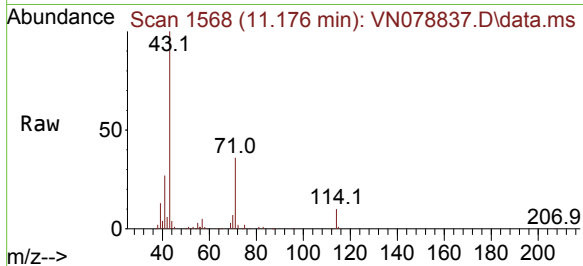




#59
2-Hexanone
Concen: 46.782 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

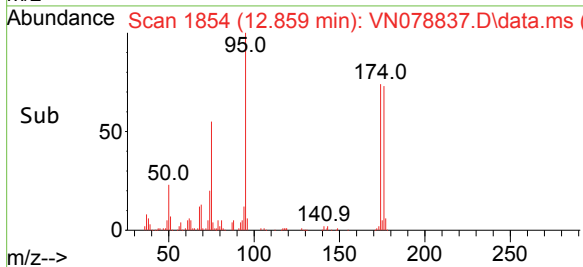
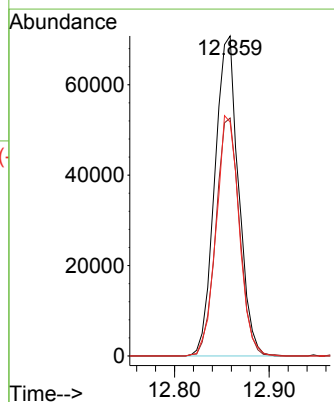
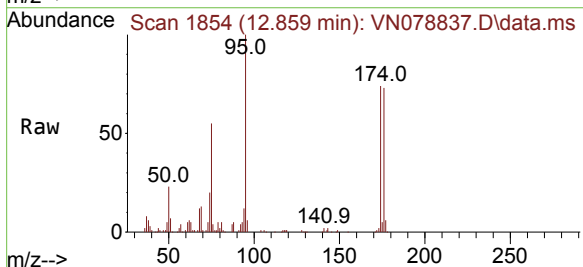
Instrument :
MSVOA_N
ClientSampleId :

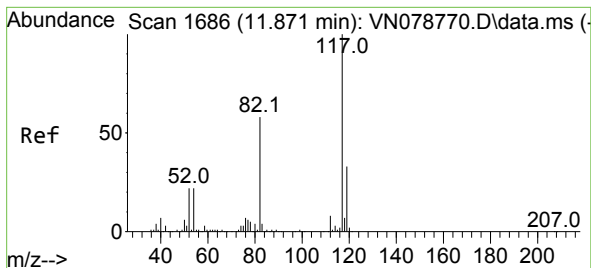
Tgt Ion: 43 Resp: 131302
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Tgt Ion: 95 Resp: 123232
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 72.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

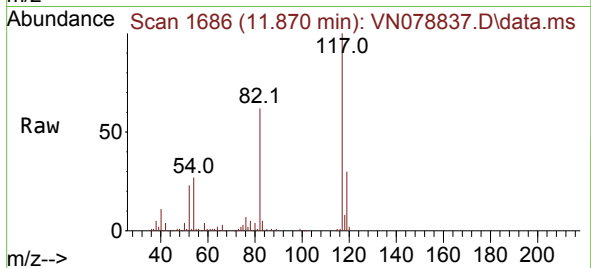
Lab File: VN078837.D

Acq: 10 Aug 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :



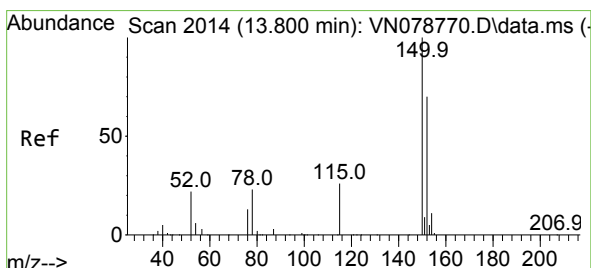
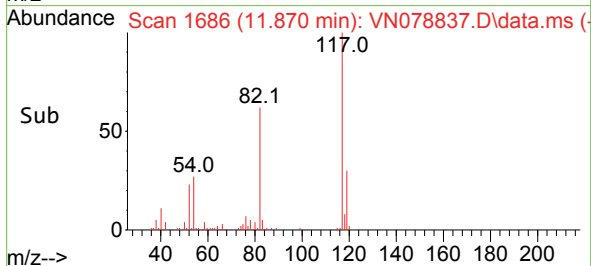
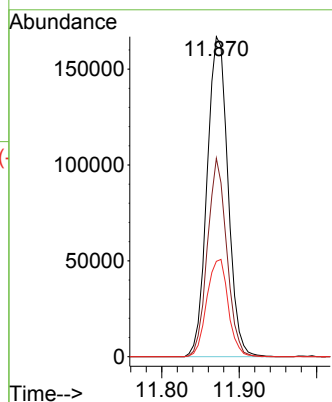
Tgt Ion:117 Resp: 311721

Ion Ratio Lower Upper

117 100

82 62.0 44.0 66.0

119 29.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078837.D

Acq: 10 Aug 2023 15:08

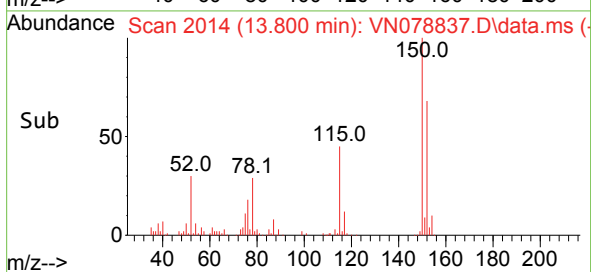
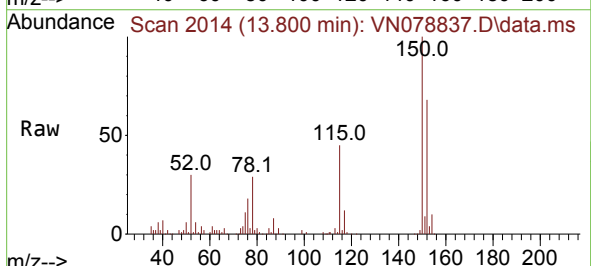
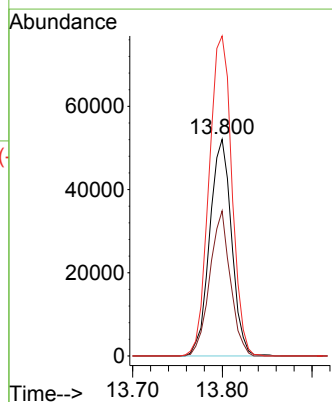
Tgt Ion:152 Resp: 88248

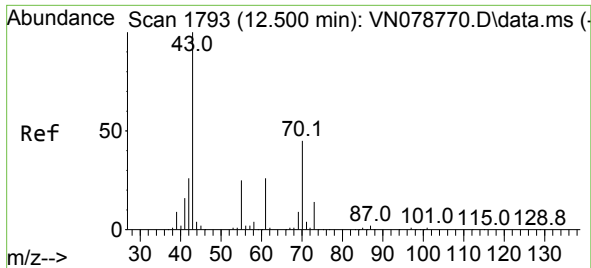
Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

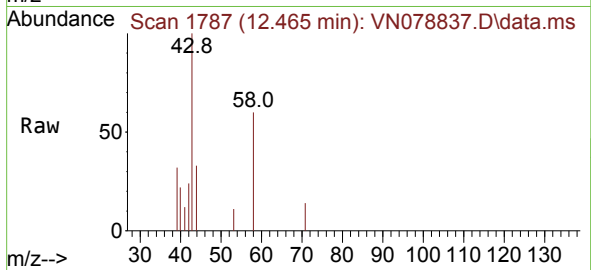
150 153.5 0.0 355.8



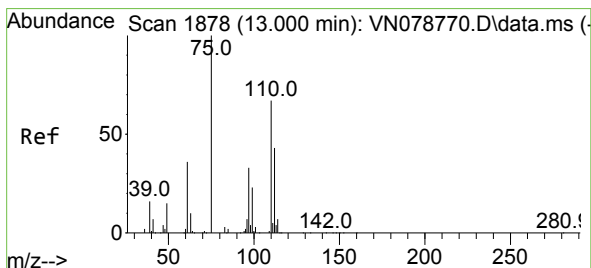
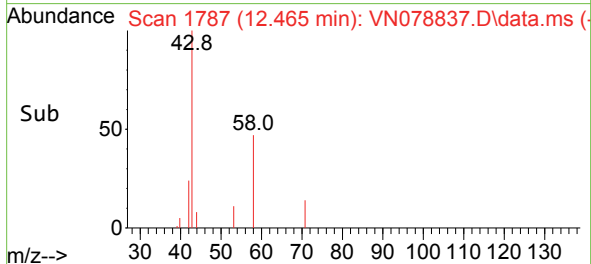
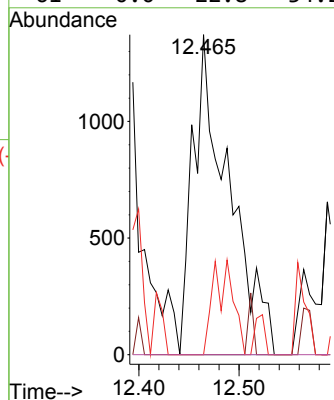


#74
N-amy1 acetate
Concen: 0.864 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

Instrument :
MSVOA_N
ClientSampleId :

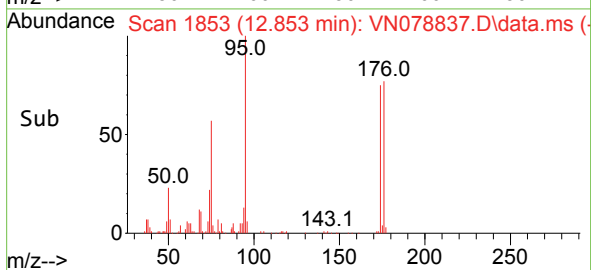
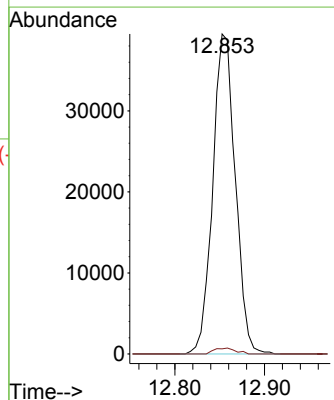
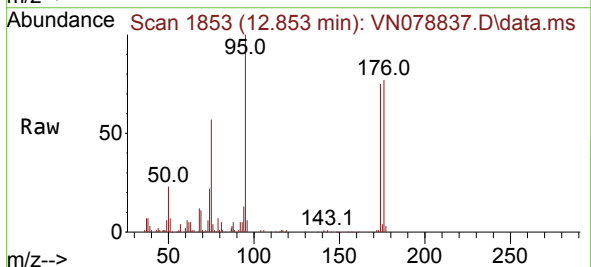


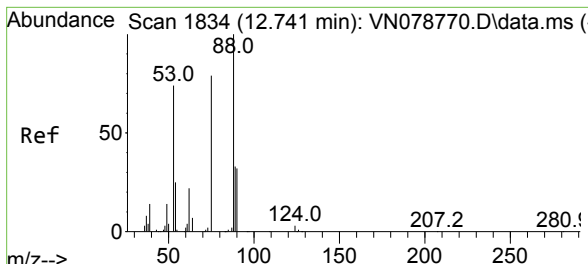
Tgt Ion: 43	Resp: 3404
Ion Ratio	Lower Upper
43	100
70	0.0 43.4 65.2#
55	8.0 21.4 32.0#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.882 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078837.D
Acq: 10 Aug 2023 15:08

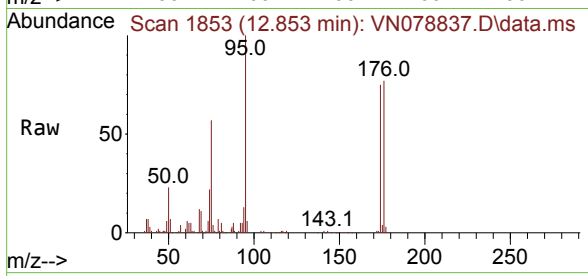
Tgt Ion: 75	Resp: 68911
Ion Ratio	Lower Upper
75	100
77	1.8 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.501 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078837.D
 Acq: 10 Aug 2023 15:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68911

Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.2	38.8	58.2#

