

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078357.D
 Acq On : 22 Jun 2023 18:04
 Operator : JC\MD
 Sample : 03360-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CE-88N-062023

Quant Time: Jun 23 08:03:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

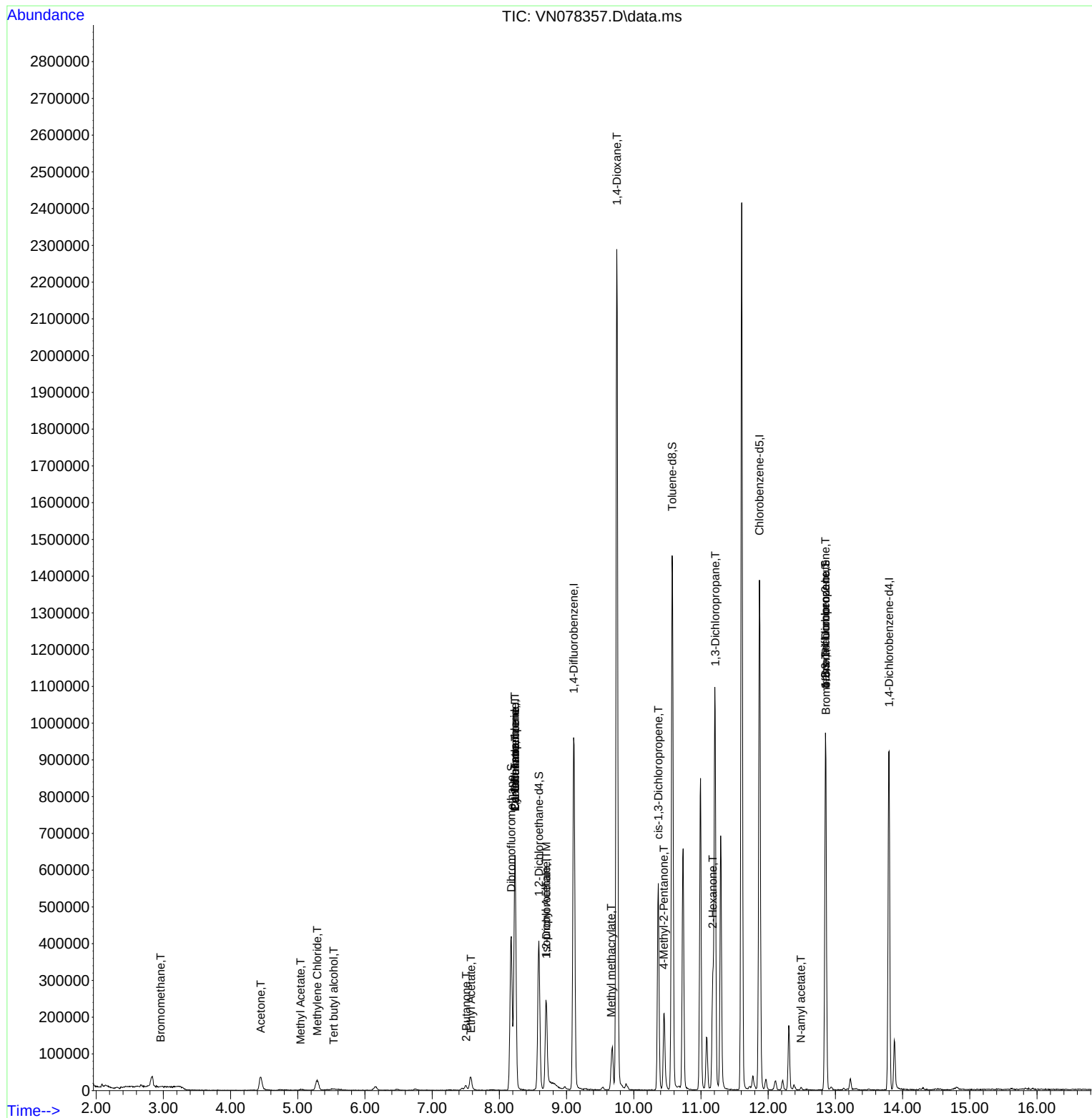
Internal Standards						
1) Pentafluorobenzene	8.235	168	465916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	872501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	823142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	262757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	328869	52.940	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.880%	
35) Dibromofluoromethane	8.177	113	303182	54.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.920%	
50) Toluene-d8	10.571	98	1036848	48.753	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.853	95	341480	51.649	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	1142	Below Cal	#	42
5) Bromomethane	2.959	94	1279	0.245	ug/l #	52
11) Tert butyl alcohol	5.536	59	555	0.647	ug/l #	72
16) Acetone	4.447	43	68682	38.411	ug/l #	79
18) Methyl Acetate	5.042	43	3637	0.442	ug/l #	64
20) Methylene Chloride	5.289	84	22863	3.869	ug/l #	89
25) 2-Butanone	7.506	43	19164	6.970	ug/l #	70
31) Cyclohexane	8.235	56	10849	1.361	ug/l #	51
36) 1,1-Dichloropropene	8.235	75	42251	5.339	ug/l #	48
37) Ethyl Acetate	7.577	43	53902	8.720	ug/l	97
38) Carbon Tetrachloride	8.230	117	51341	6.145	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	2377	0.293	ug/l	83
43) Isopropyl Acetate	8.694	43	282754	23.917	ug/l #	82
48) Methyl methacrylate	9.665	41	7414	1.494	ug/l #	33
49) 1,4-Dioxane	9.747	88	370	3.548	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	147007	23.614	ug/l	87
54) cis-1,3-Dichloropropene	10.365	75	104732	11.313	ug/l #	68
57) 1,3-Dichloropropane	11.212	76	12770	1.341	ug/l #	42
59) 2-Hexanone	11.176	43	240331	55.443	ug/l #	19
71) Bromoform	12.859	173	4006	0.957	ug/l #	1
74) N-amyl acetate	12.488	43	3774	0.461	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.965	83	110	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	179034	28.822	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	179034	88.551	ug/l #	15

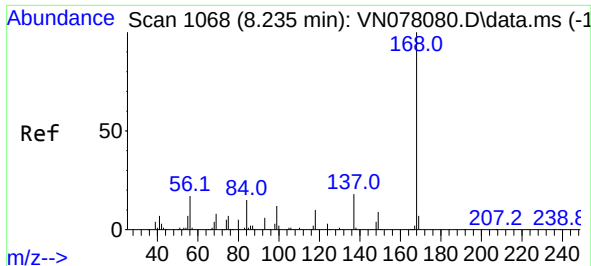
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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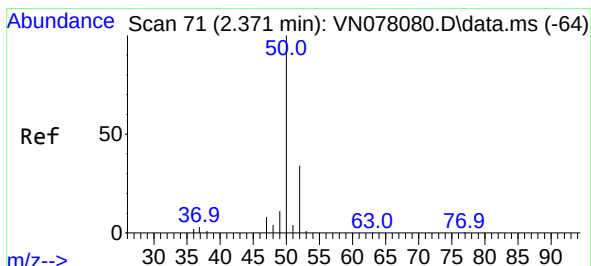
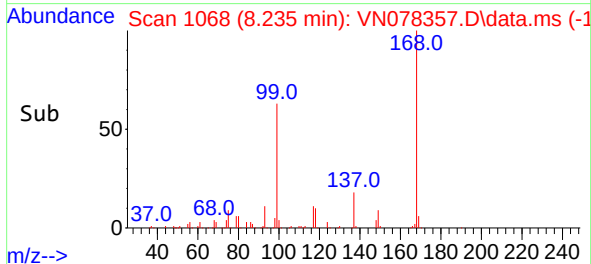
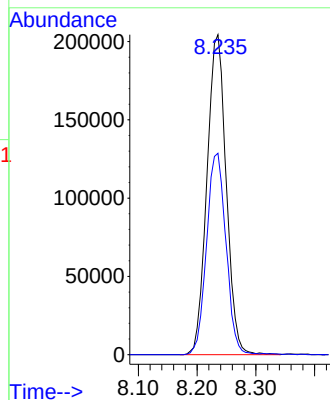
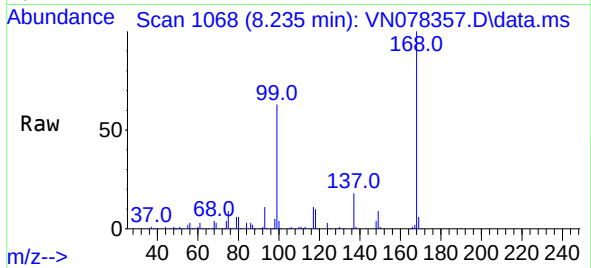




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

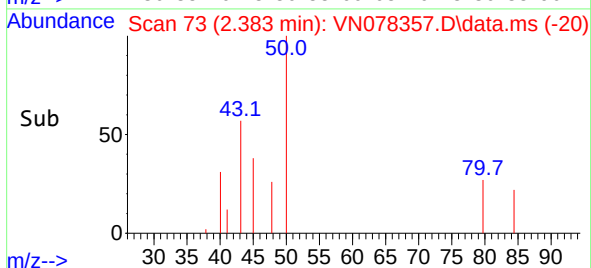
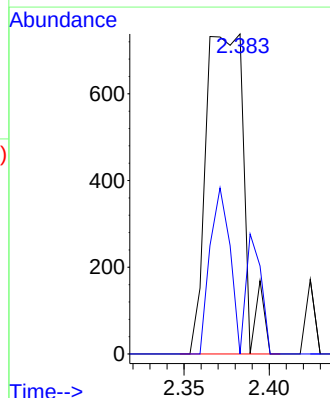
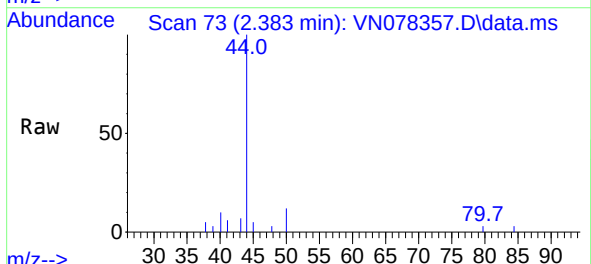
Instrument :
MSVOA_N
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CE-88N-062023

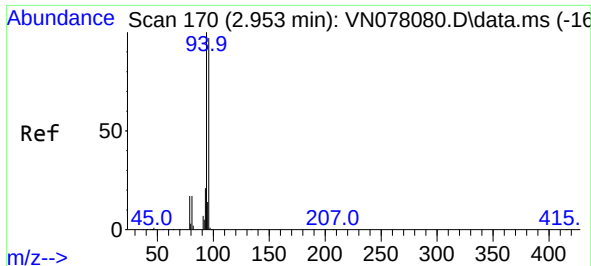
Tgt Ion:168 Resp: 465916
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 50 Resp: 1142
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

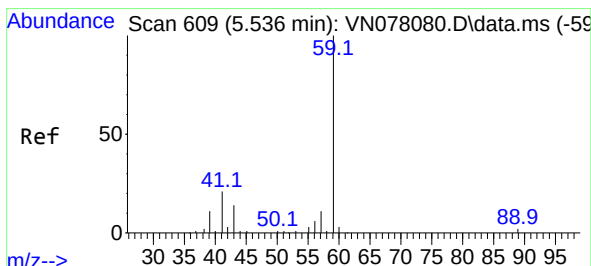
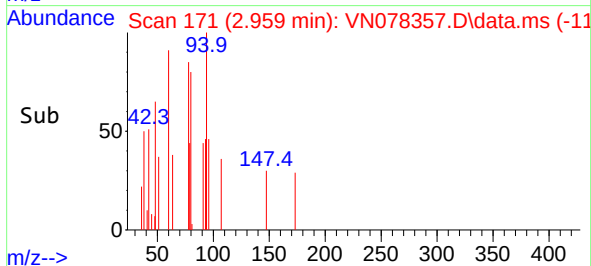
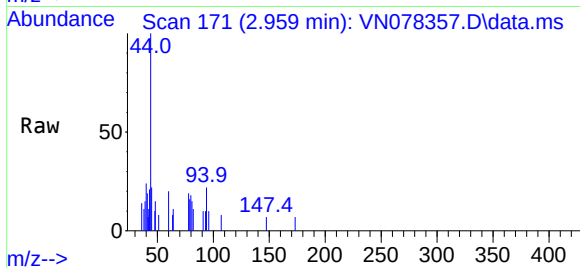




#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

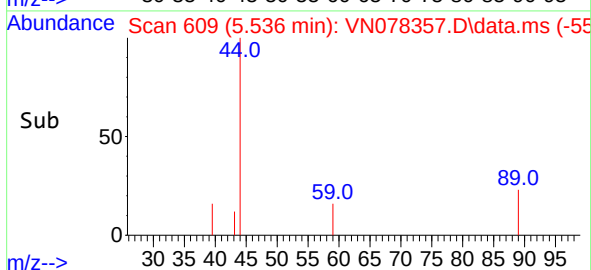
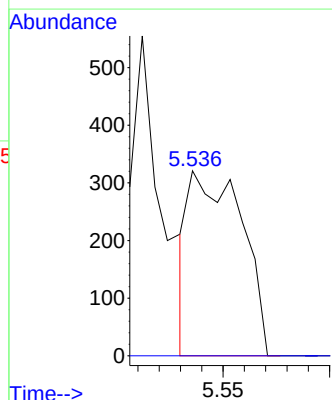
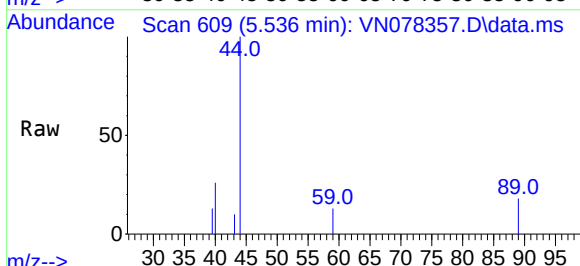
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ClientSampleId :
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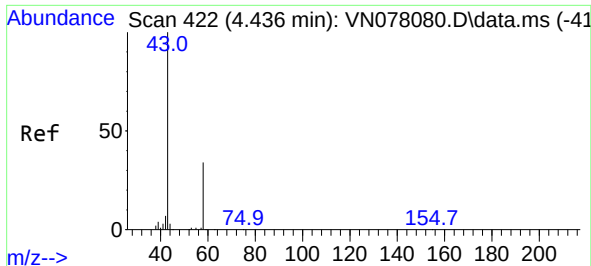
Tgt Ion: 94 Resp: 1279
Ion Ratio Lower Upper
94 100
96 45.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

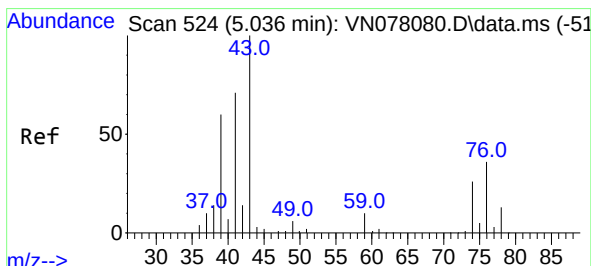
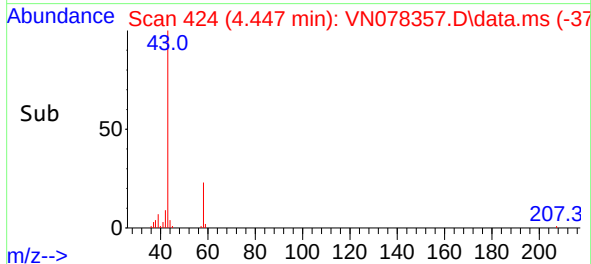
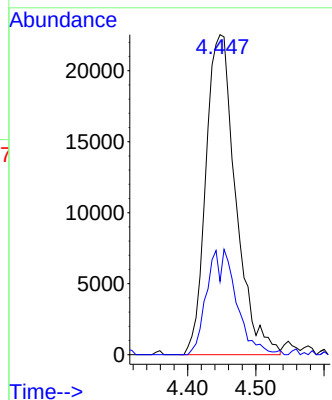
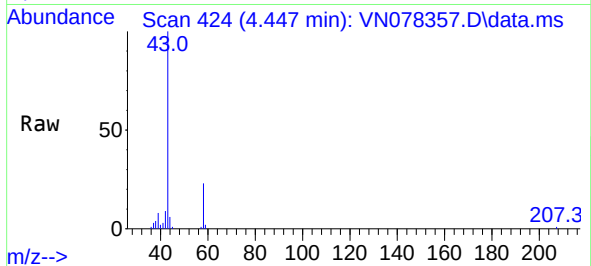




#16
Acetone
Concen: 38.411 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

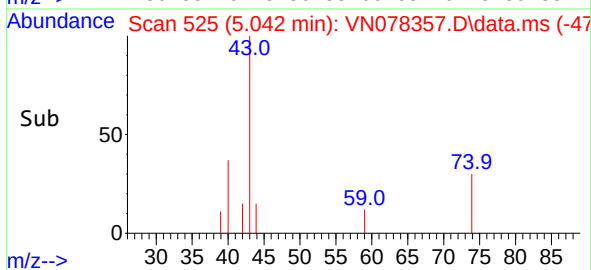
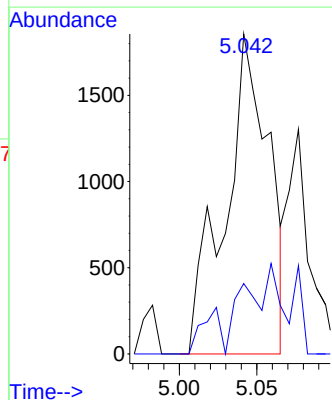
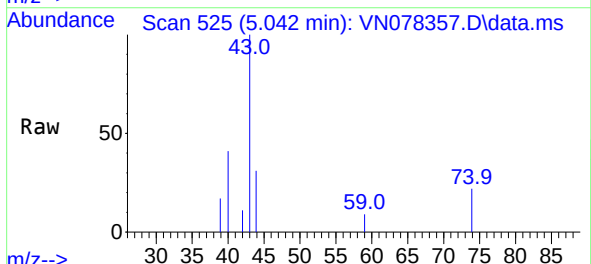
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

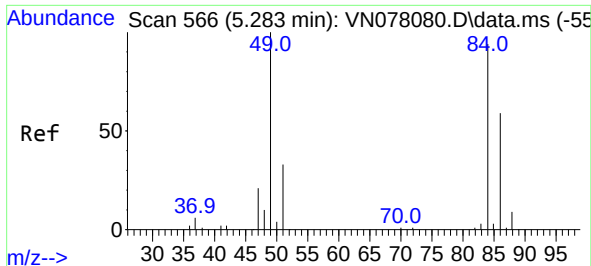
Tgt Ion: 43 Resp: 68682
Ion Ratio Lower Upper
43 100
58 22.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.442 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

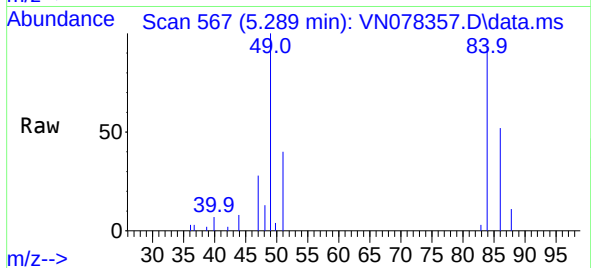
Tgt Ion: 43 Resp: 3637
Ion Ratio Lower Upper
43 100
74 12.7 26.2 39.4#



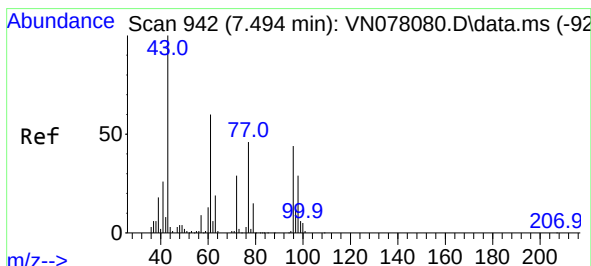
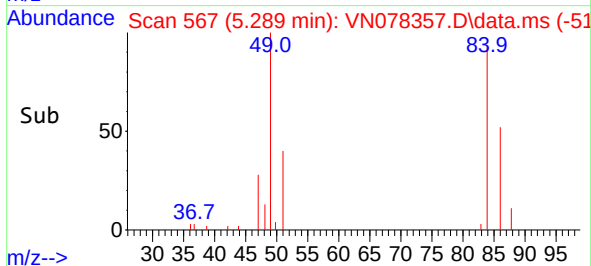
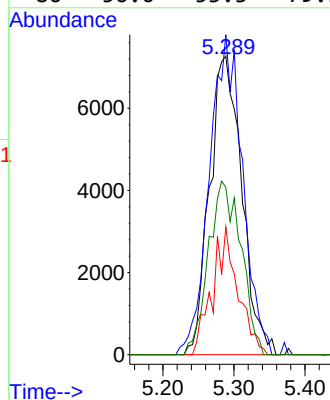


#20
Methylene Chloride
Concen: 3.869 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

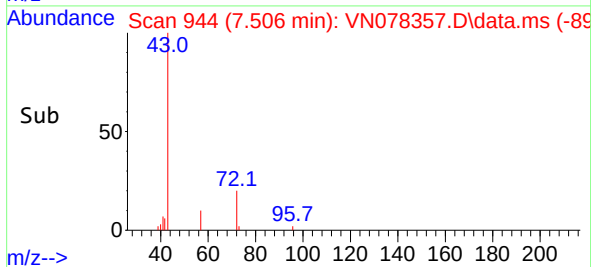
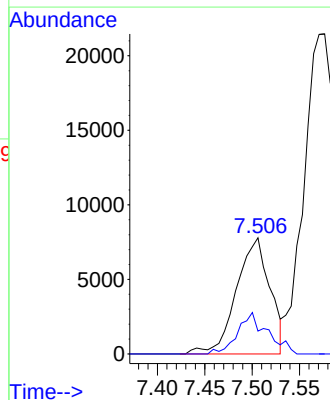
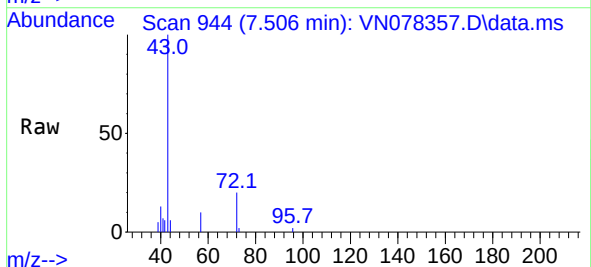


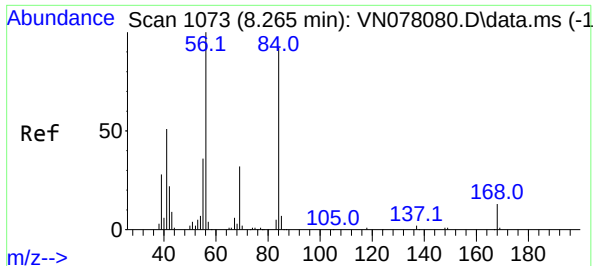
Tgt Ion:	84	Resp:	22863
Ion	Ratio	Lower	Upper
84	100		
49	107.1	79.7	119.5
51	42.8	25.2	37.8#
86	56.0	53.3	79.9



#25
2-Butanone
Concen: 6.970 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion:	43	Resp:	19164
Ion	Ratio	Lower	Upper
43	100		
72	19.7	30.2	45.2#

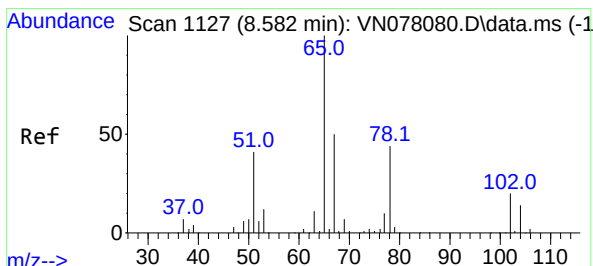
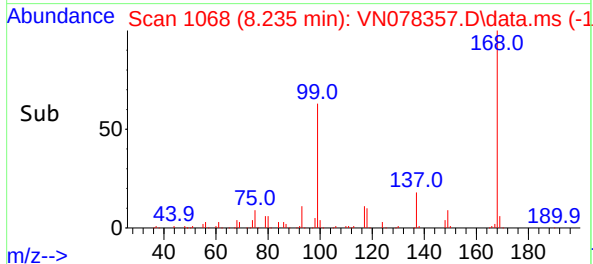
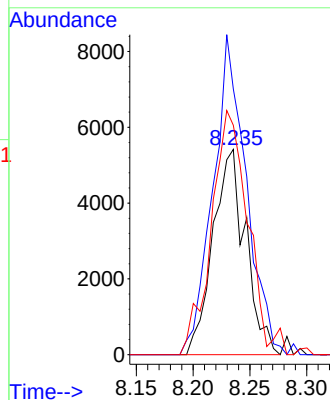
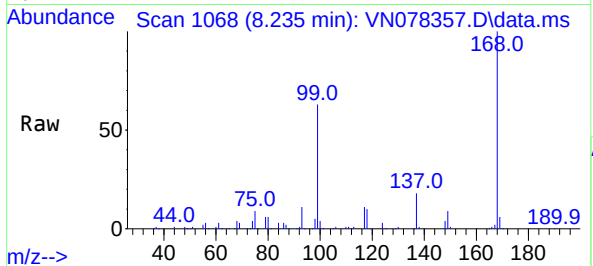




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

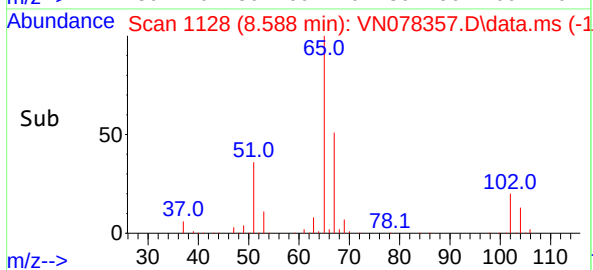
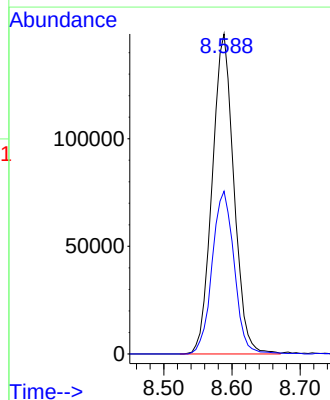
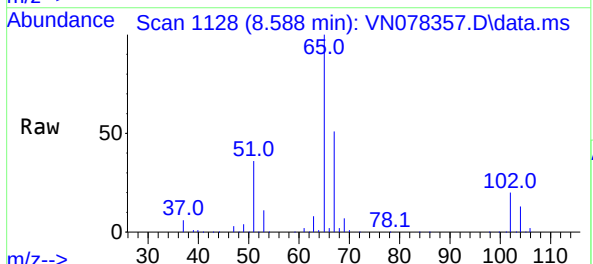
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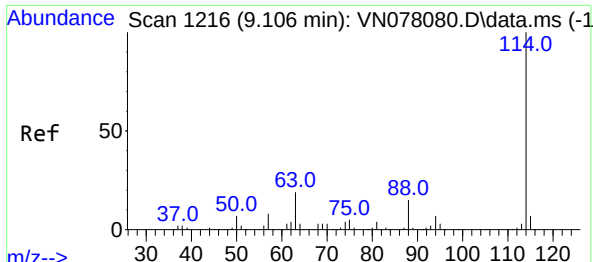
Tgt Ion: 56 Resp: 10849
Ion Ratio Lower Upper
56 100
69 129.5 26.8 40.2#
84 111.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.940 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 65 Resp: 328869
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

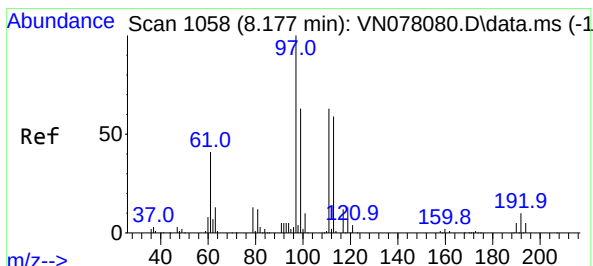
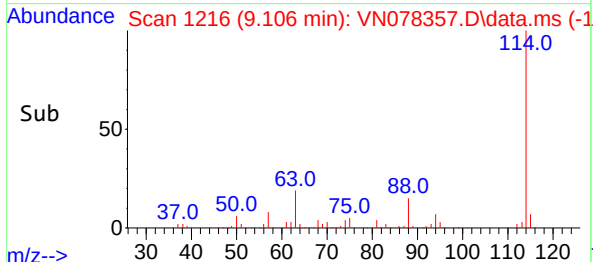
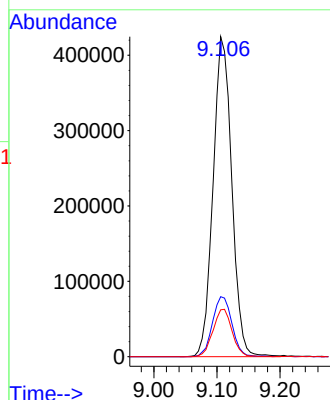
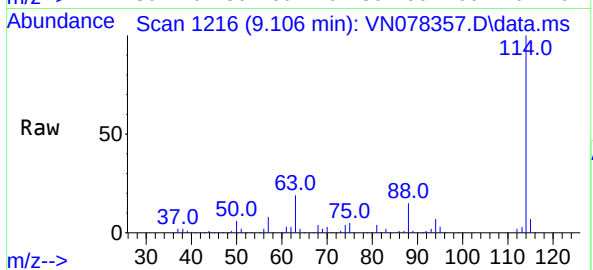




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

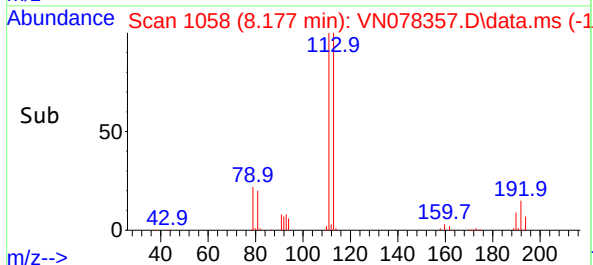
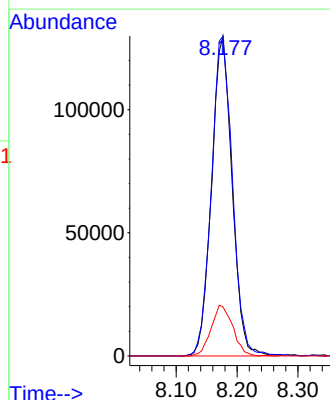
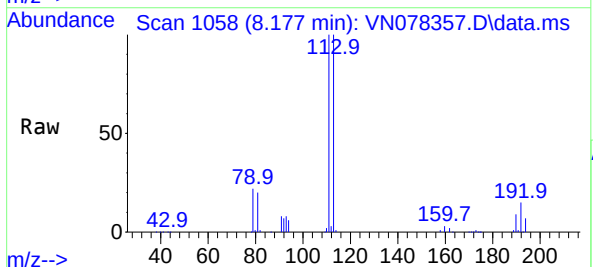
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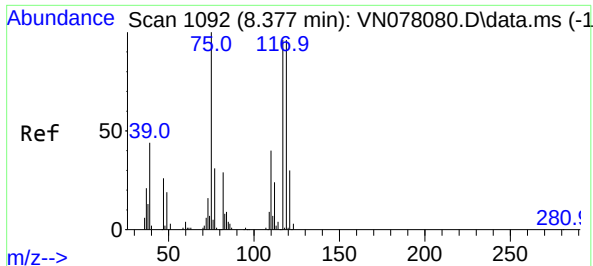
Tgt Ion:114 Resp: 872501
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.957 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion:113 Resp: 303182
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 16.7 12.7 19.1

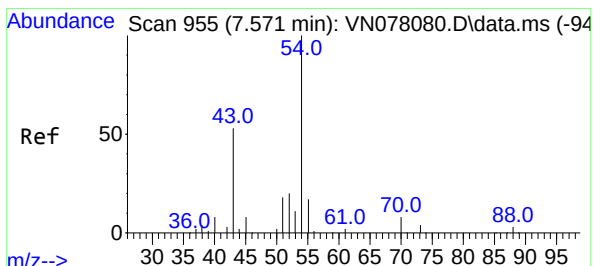
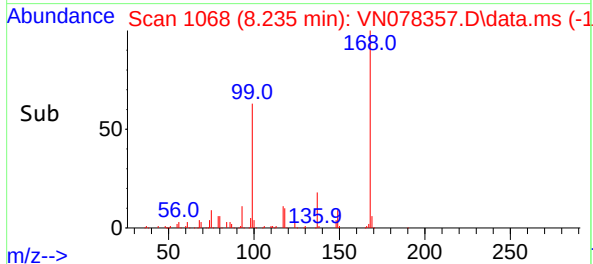
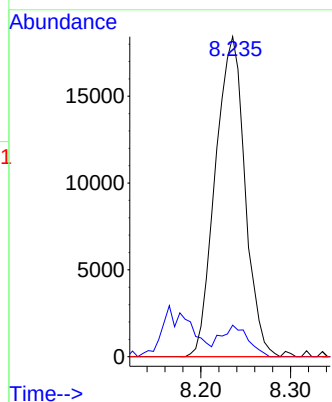
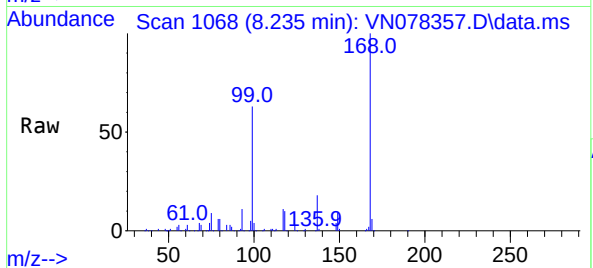




#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 8.235 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

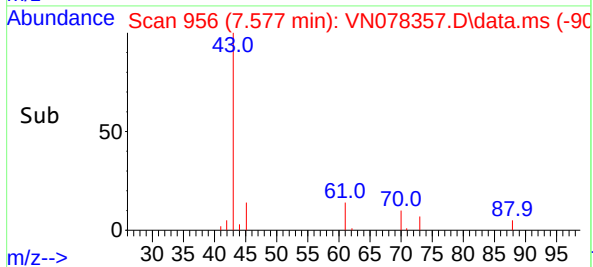
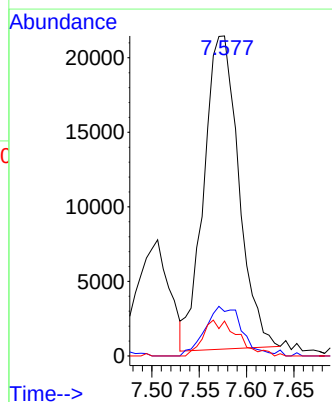
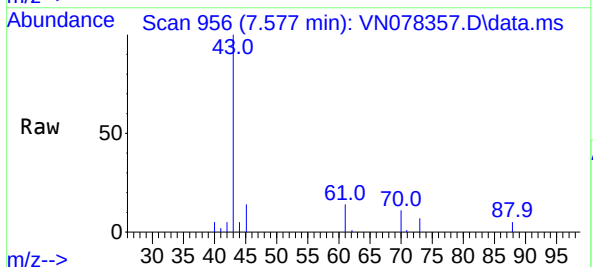
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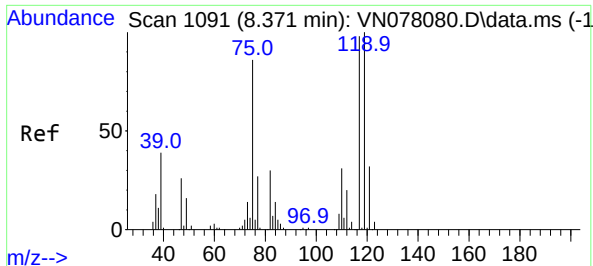
Tgt Ion: 75 Resp: 42251
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.720 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 43 Resp: 53902
Ion Ratio Lower Upper
43 100
61 16.9 13.2 19.8
70 11.4 11.3 16.9

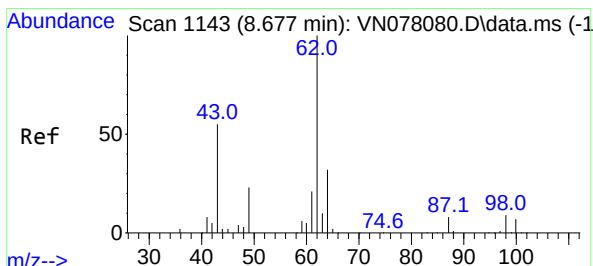
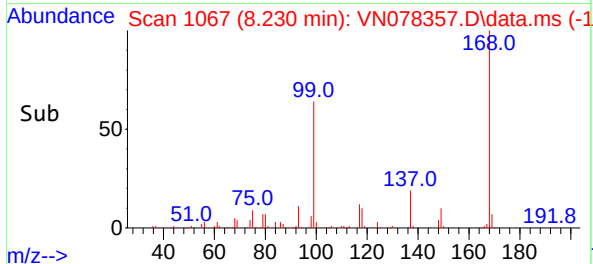
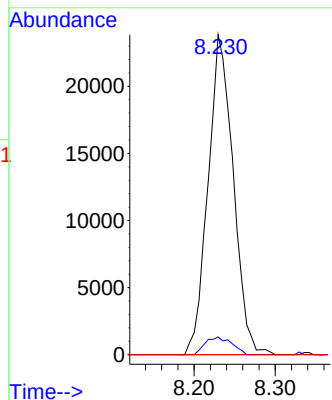
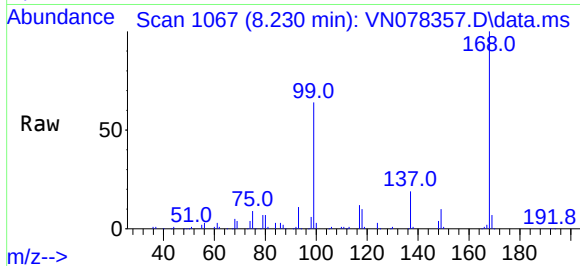




#38
Carbon Tetrachloride
Concen: 6.145 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

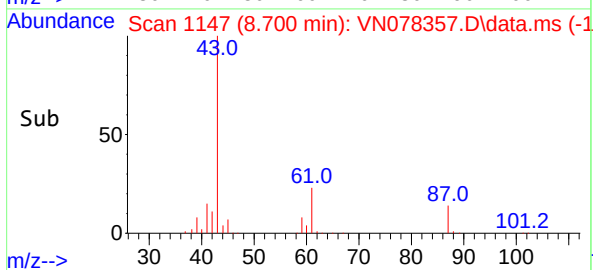
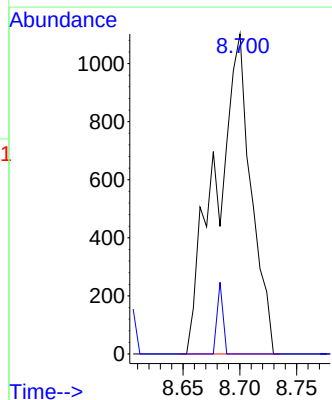
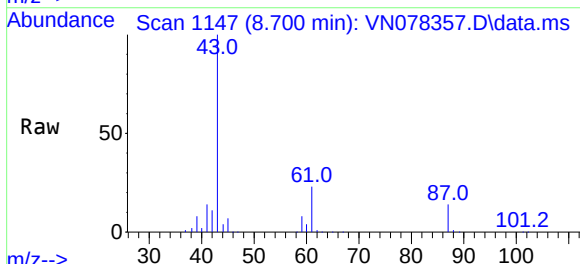
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

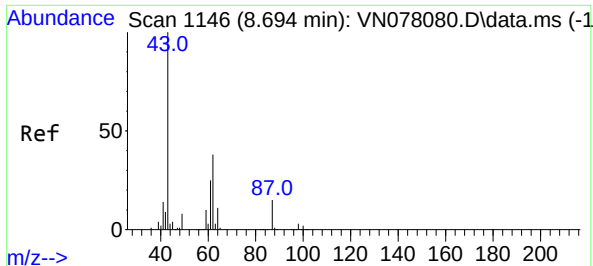
Tgt Ion:117 Resp: 51341
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.293 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.024 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 62 Resp: 2377
Ion Ratio Lower Upper
62 100
98 3.7 0.0 19.8

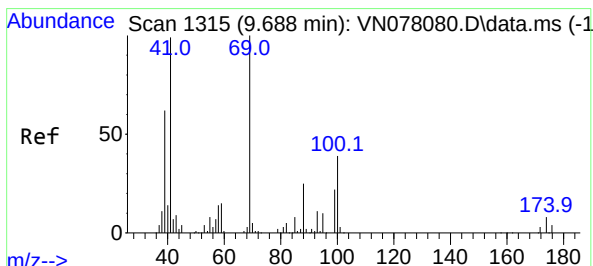
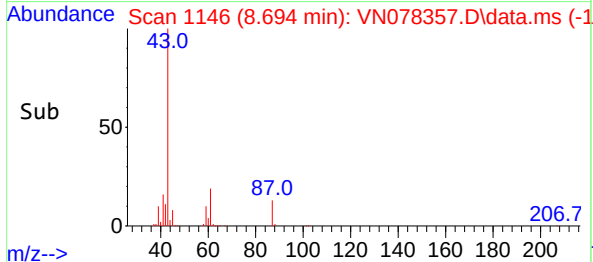
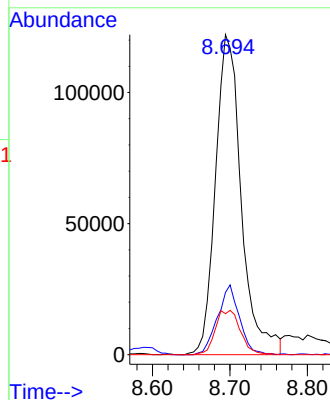
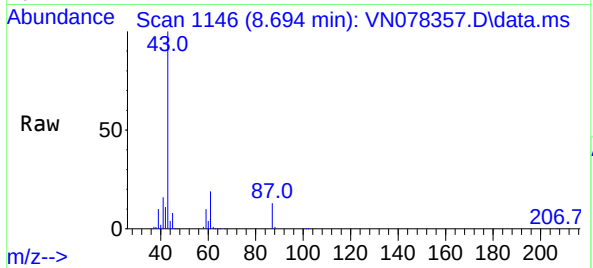




#43
Isopropyl Acetate
Concen: 23.917 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

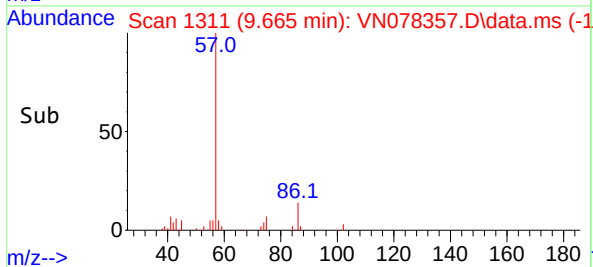
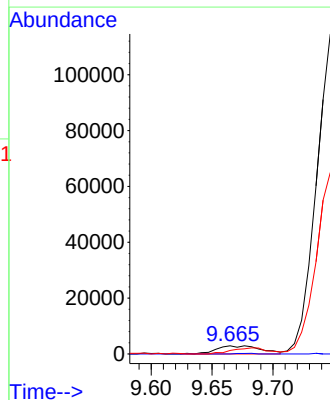
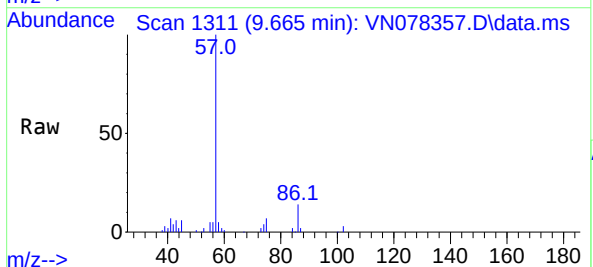
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

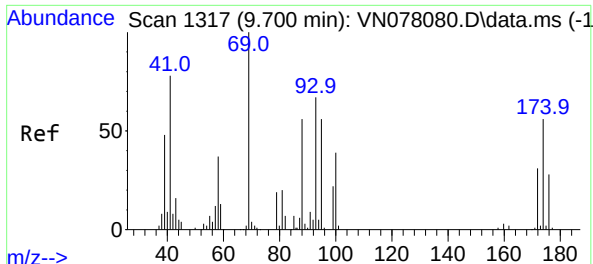
Tgt Ion: 43 Resp: 282754
Ion Ratio Lower Upper
43 100
61 18.6 24.7 37.1#
87 13.5 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.494 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.024 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 41 Resp: 7414
Ion Ratio Lower Upper
41 100
69 3.1 90.4 135.6#
39 60.8 54.6 81.8

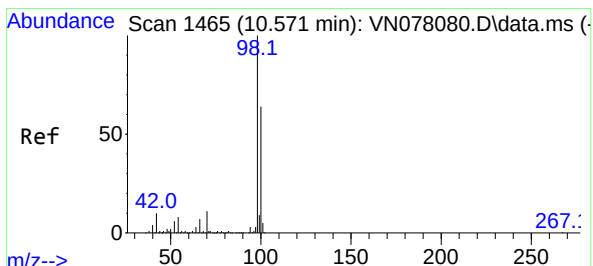
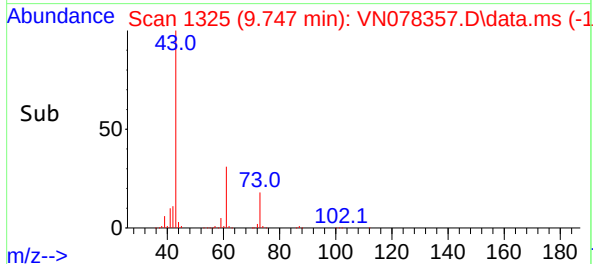
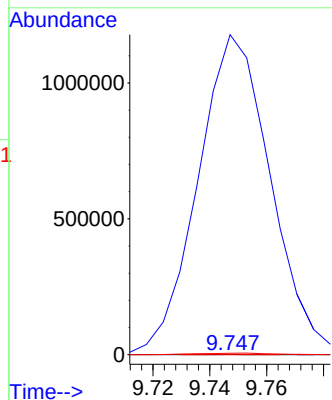
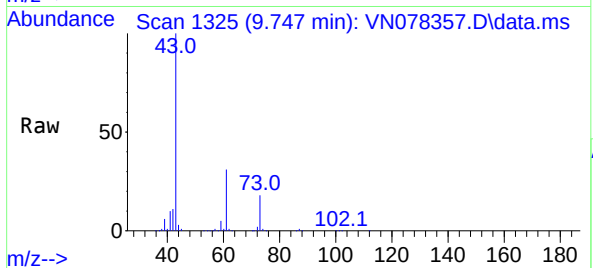




#49
1,4-Dioxane
Concen: 3.548 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

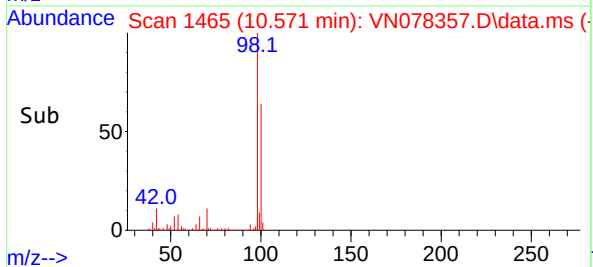
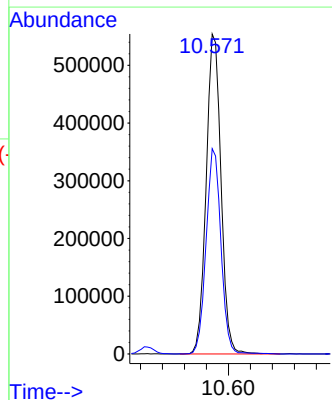
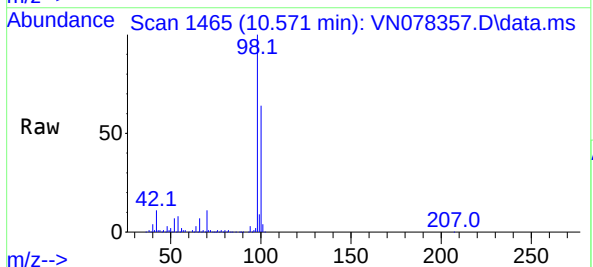
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

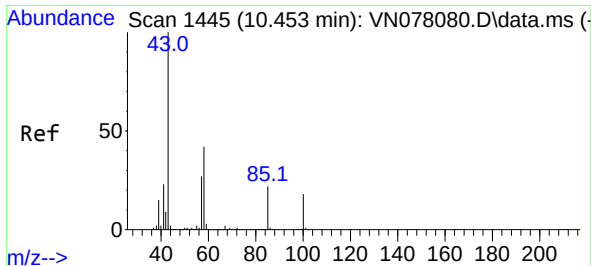
Tgt Ion: 88 Resp: 370
Ion Ratio Lower Upper
88 100
43 572797.8 17.0 25.6#
58 2888.4 47.0 70.4#



#50
Toluene-d8
Concen: 48.753 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 98 Resp: 1036848
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

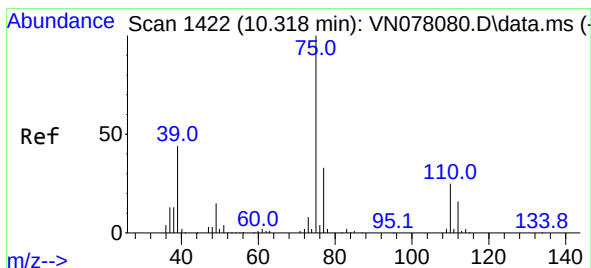
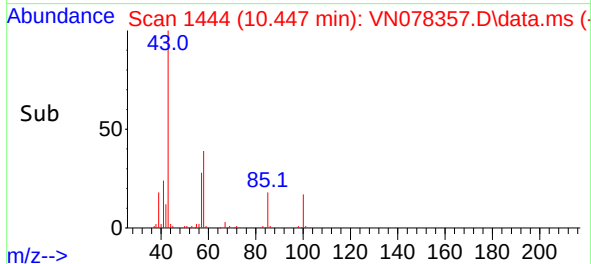
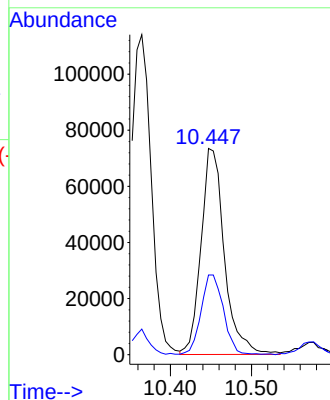
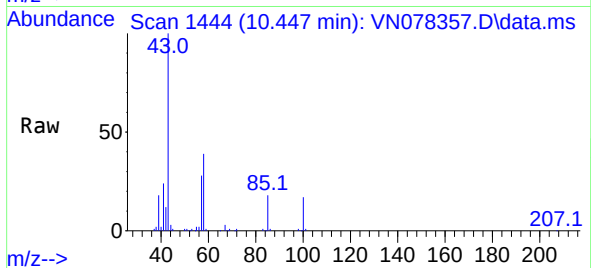




#51
4-Methyl-2-Pentanone
Concen: 23.614 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

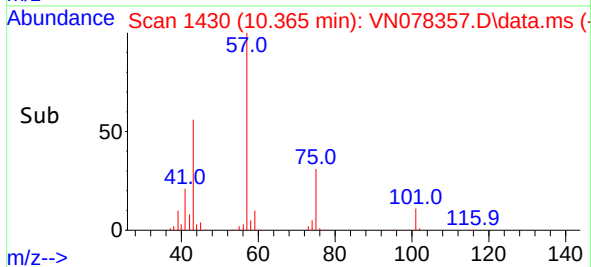
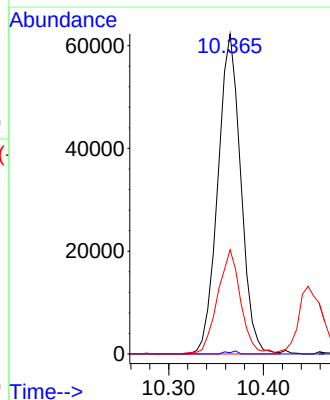
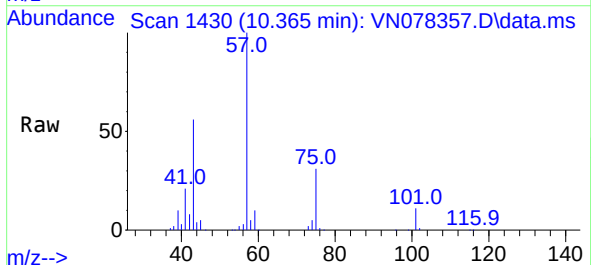
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

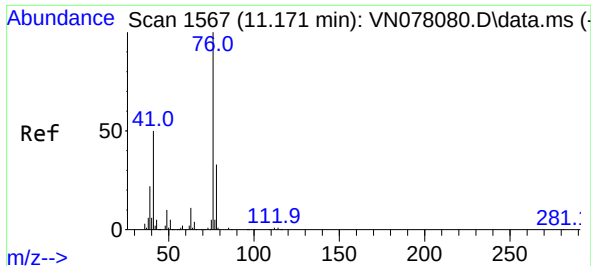
Tgt Ion: 43 Resp: 147007
Ion Ratio Lower Upper
43 100
58 37.3 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 11.313 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 75 Resp: 104732
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 32.5 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.341 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078357.D

Acq: 22 Jun 2023 18:04

Instrument :

MSVOA_N

ClientSampleId :

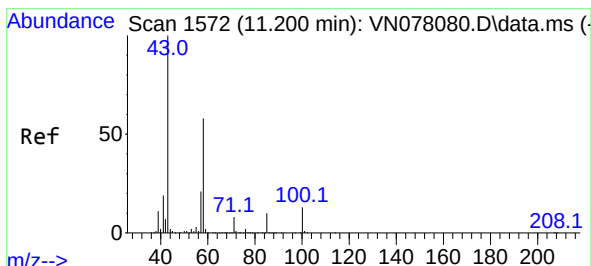
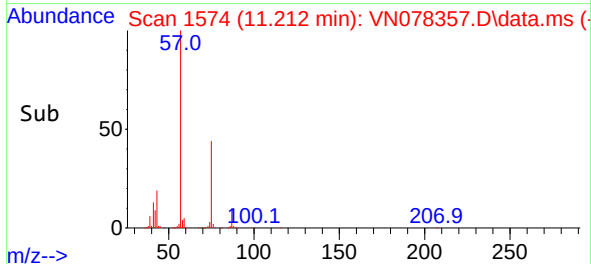
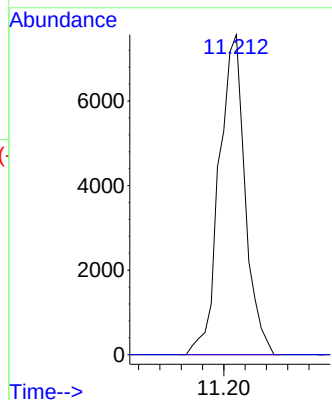
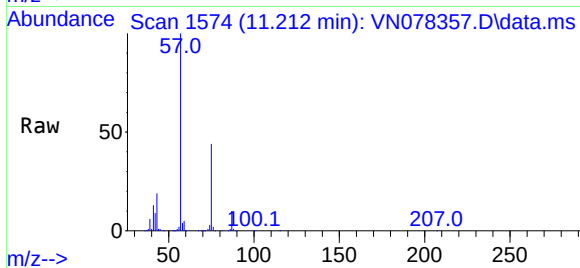
CE-88N-062023

Tgt Ion: 76 Resp: 12770

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 55.443 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078357.D

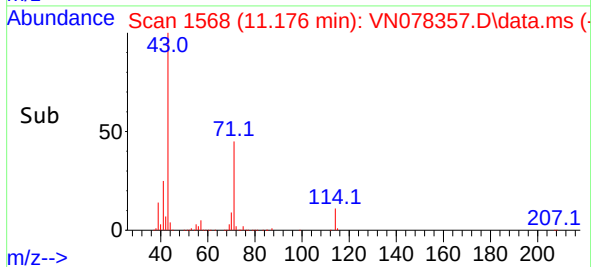
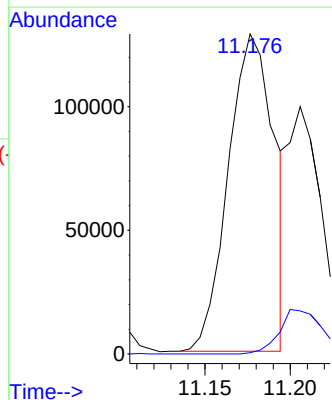
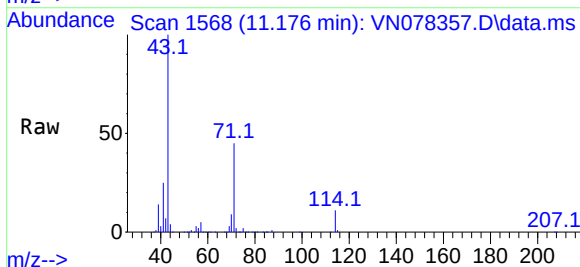
Acq: 22 Jun 2023 18:04

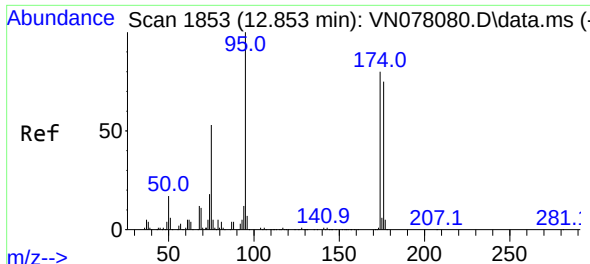
Tgt Ion: 43 Resp: 240331

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

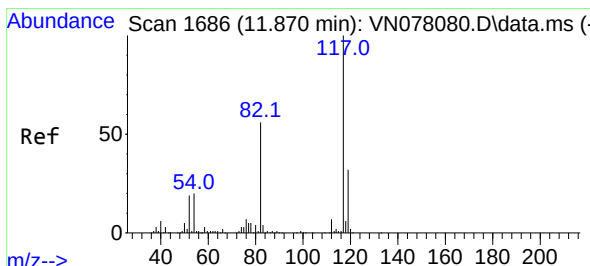
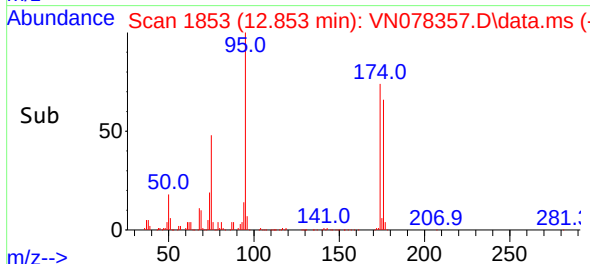
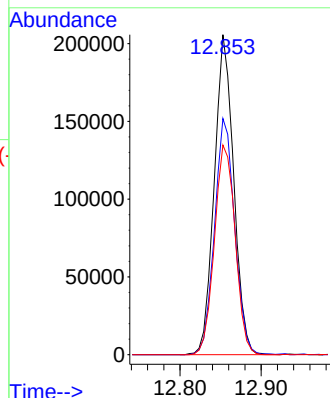
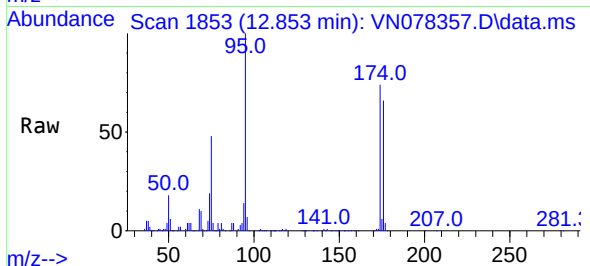




#62
4-Bromofluorobenzene
Concen: 51.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

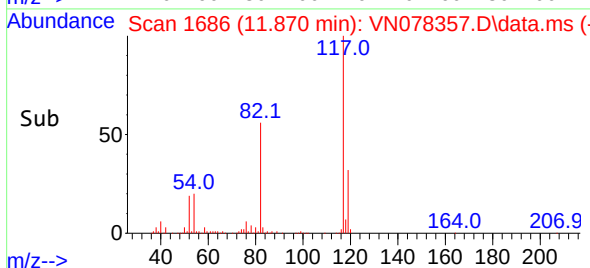
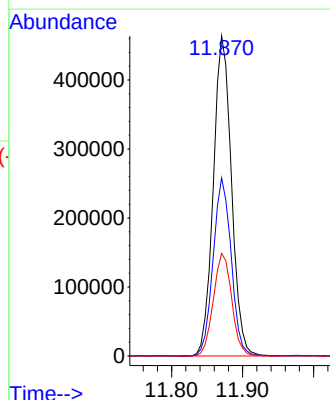
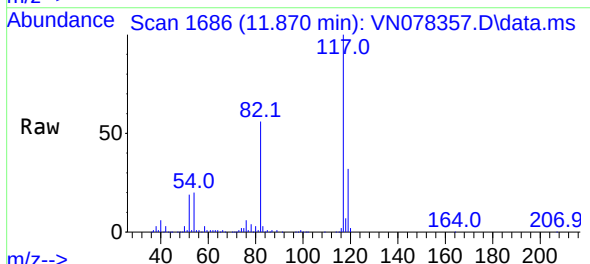
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

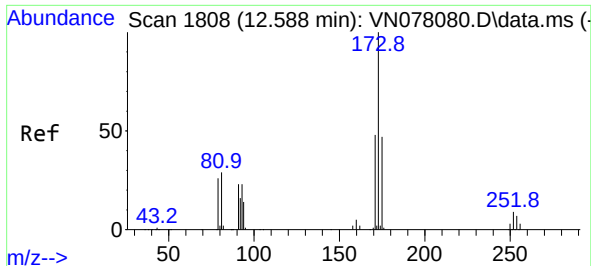
Tgt Ion: 95 Resp: 341480
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 117 Resp: 823142
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.1 25.6 38.4

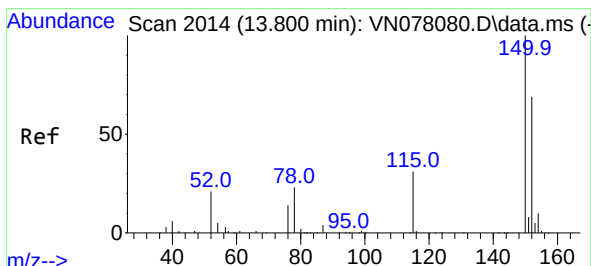
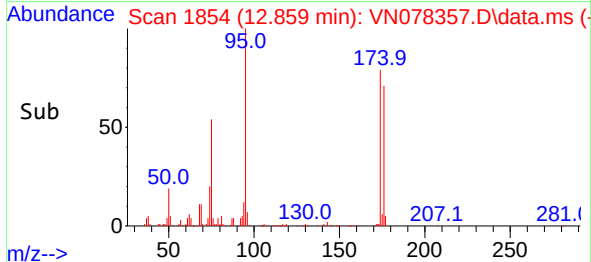
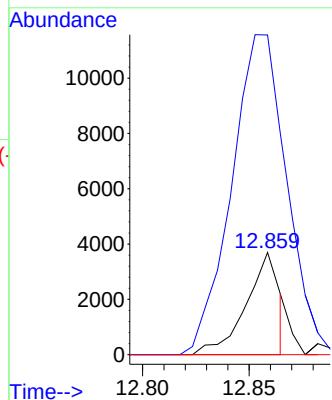
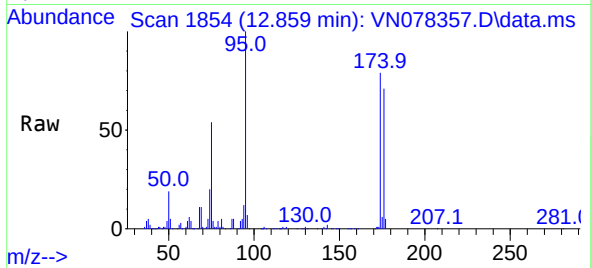




#71
Bromoform
Concen: 0.957 ug/l
RT: 12.859 min Scan# 1808
Delta R.T. 0.271 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

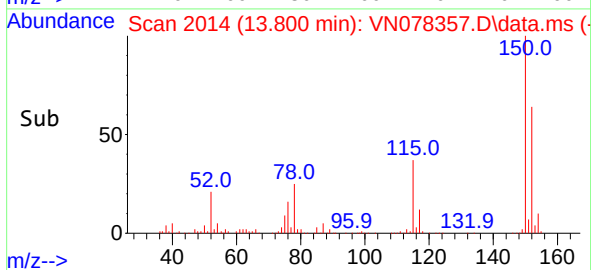
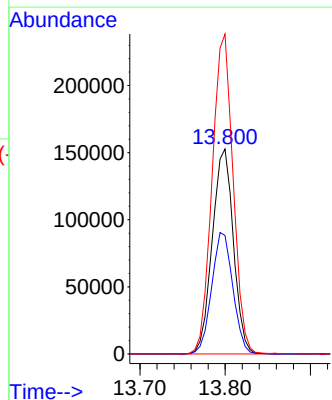
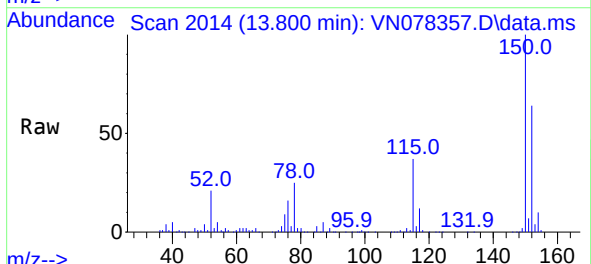
Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

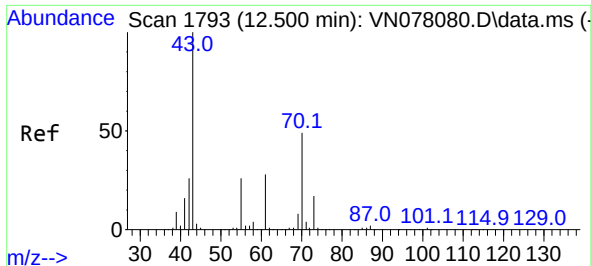
Tgt Ion:173 Resp: 4006
Ion Ratio Lower Upper
173 100
175 450.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion:152 Resp: 262757
Ion Ratio Lower Upper
152 100
115 59.4 32.3 96.8
150 154.8 0.0 355.8



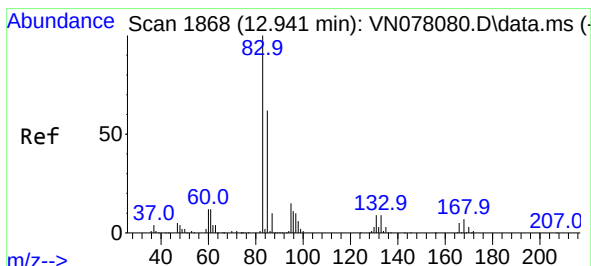
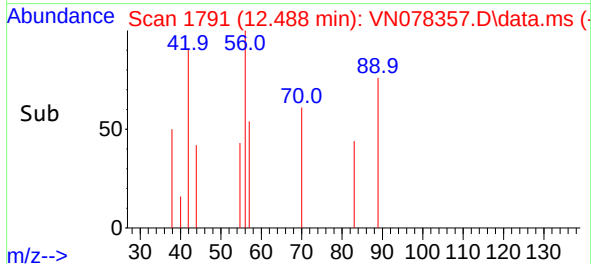
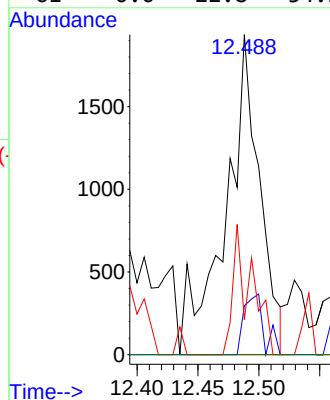
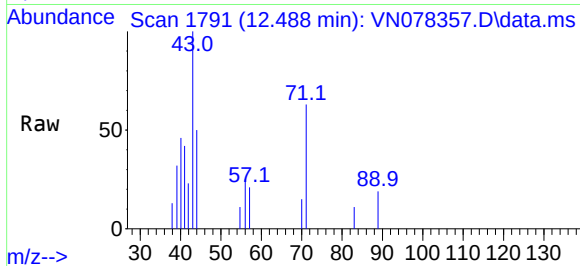


#74
N-amy1 acetate
Concen: 0.461 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

Tgt Ion: 43 Resp: 3774

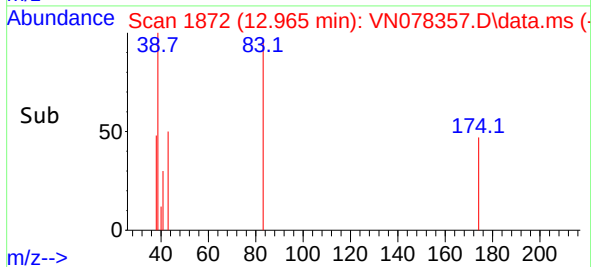
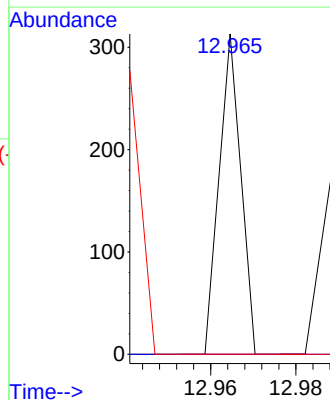
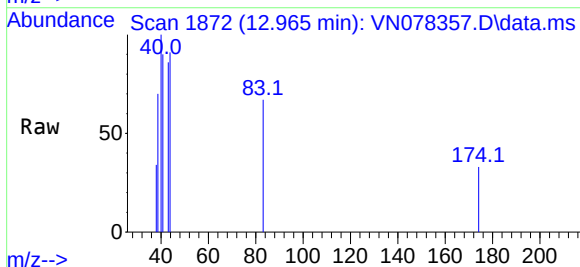
Ion	Ratio	Lower	Upper
43	100		
70	11.0	43.4	65.2#
55	22.2	21.4	32.0
61	0.0	22.8	34.2#

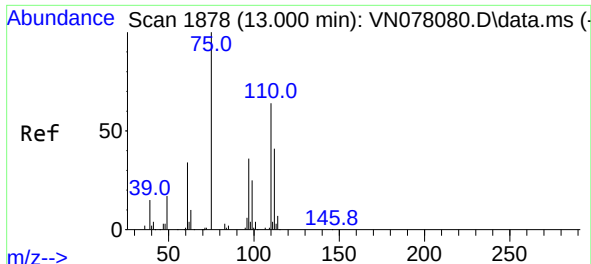


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.965 min Scan# 1872
Delta R.T. 0.024 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 83 Resp: 110

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#

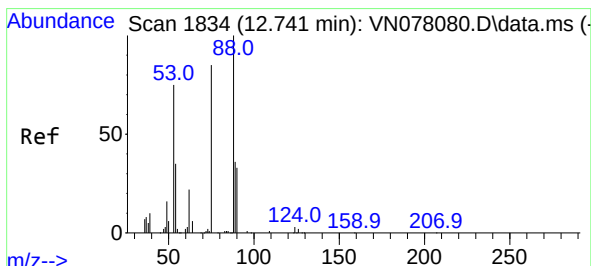
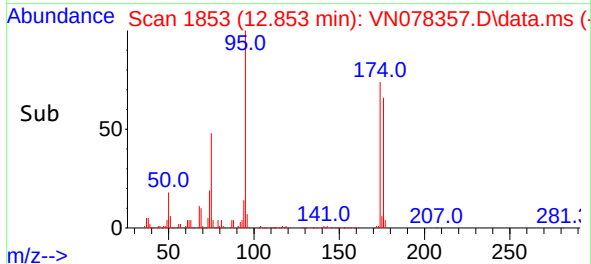
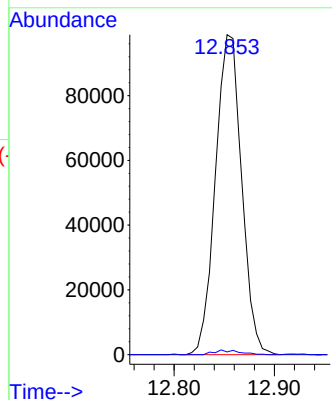
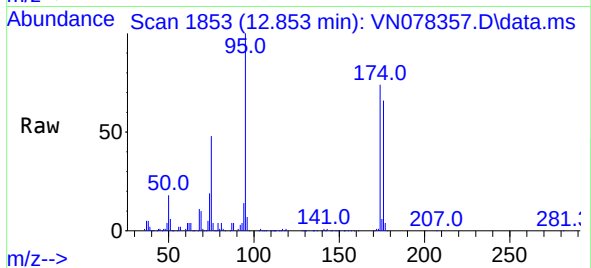




#76
1,2,3-Trichloropropane
Concen: 28.822 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Instrument :
MSVOA_N
ClientSampleId :
CE-88N-062023

Tgt Ion: 75 Resp: 179034
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.551 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078357.D
Acq: 22 Jun 2023 18:04

Tgt Ion: 75 Resp: 179034
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

