

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078059.D
 Acq On : 05 Jun 2023 21:08
 Operator : JC\MD
 Sample : 03029-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Jun 06 02:08:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

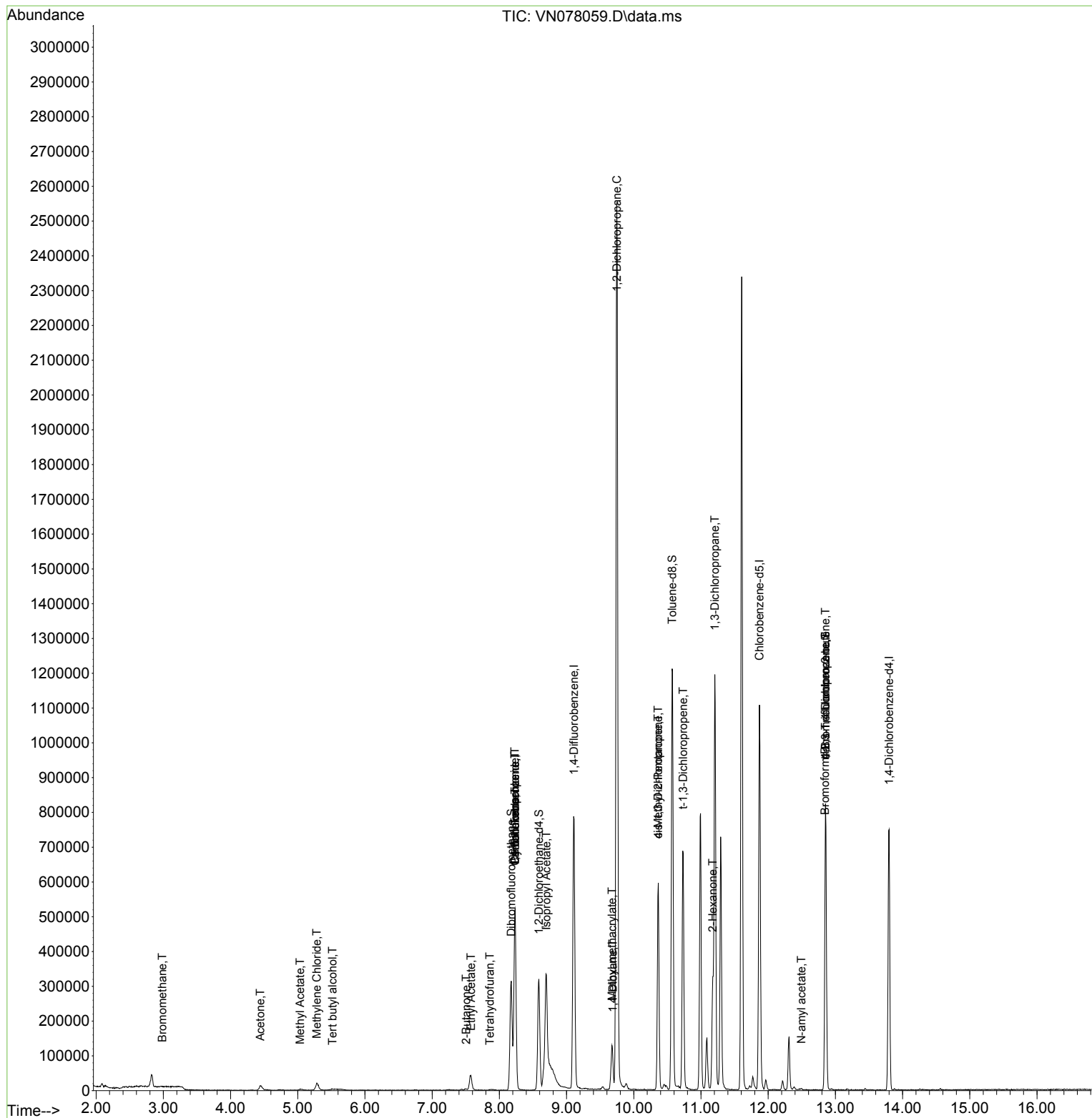
Internal Standards						
1) Pentafluorobenzene	8.235	168	379282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	708859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	664854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257322	45.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.680%		
35) Dibromofluoromethane	8.177	113	223095	48.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	10.571	98	902053	50.700	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.400%		
62) 4-Bromofluorobenzene	12.853	95	291541	46.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.800%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	810	Below Cal	#	68
5) Bromomethane	2.983	94	1134	0.282	ug/l #	60
11) Tert butyl alcohol	5.518	59	670	0.855	ug/l #	72
13) Acrolein	4.189	56	72	Below Cal	#	16
16) Acetone	4.442	43	25901	14.507	ug/l	91
18) Methyl Acetate	5.036	43	6277	0.838	ug/l #	42
20) Methylene Chloride	5.283	84	15731	1.467	ug/l #	95
25) 2-Butanone	7.506	43	4796	1.717	ug/l #	55
29) Tetrahydrofuran	7.859	42	832	0.455	ug/l #	67
31) Cyclohexane	8.235	56	8645	1.121	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	31866	4.713	ug/l #	48
37) Ethyl Acetate	7.577	43	66537	11.041	ug/l	97
38) Carbon Tetrachloride	8.230	117	40160	5.882	ug/l #	16
43) Isopropyl Acetate	8.700	43	439983	44.700	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	3697	0.726	ug/l #	45
48) Methyl methacrylate	9.677	41	6919	1.483	ug/l #	3
49) 1,4-Dioxane	9.688	88	66	0.749	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	207504	35.466	ug/l #	41
53) t-1,3-Dichloropropene	10.735	75	1906	0.258	ug/l #	42
54) cis-1,3-Dichloropropene	10.365	75	113169	13.910	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	14126	1.671	ug/l #	42
59) 2-Hexanone	11.176	43	242174	55.960	ug/l #	19
71) Bromoform	12.847	173	1533	0.462	ug/l #	1
74) N-amyl acetate	12.494	43	3133	0.460	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	154895	28.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	154895	92.550	ug/l #	15

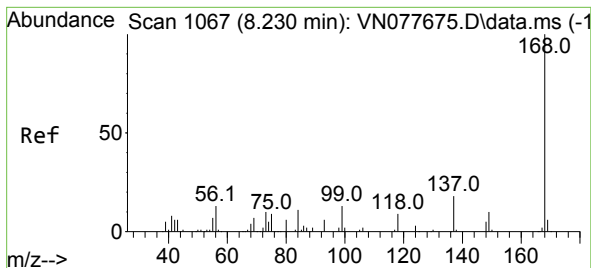
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

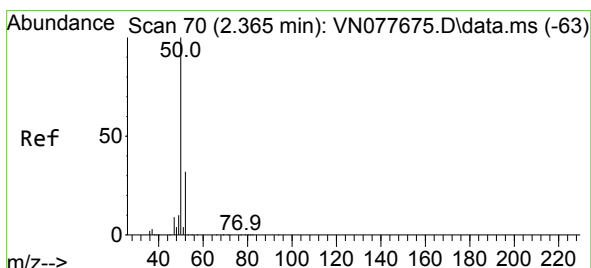
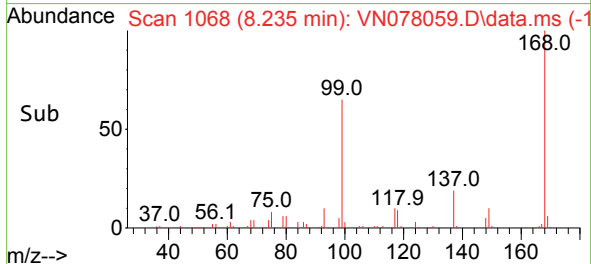
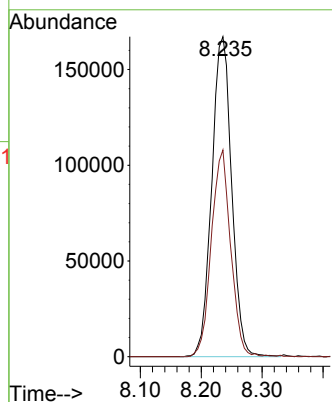
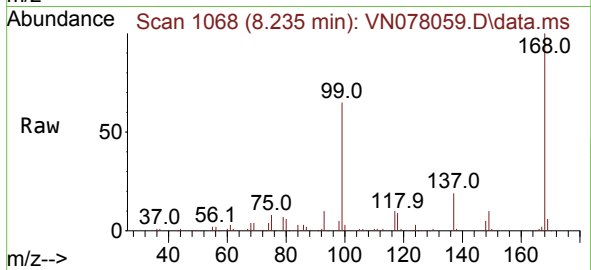
TP-7

Tgt Ion:168 Resp: 379282

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078059.D

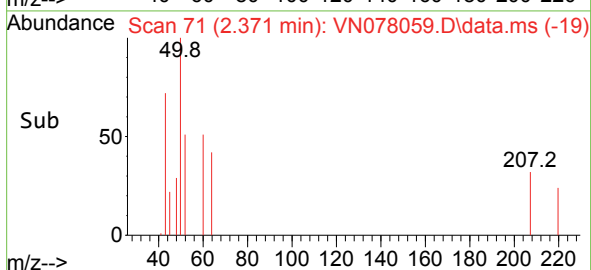
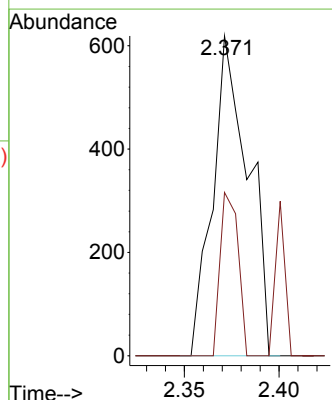
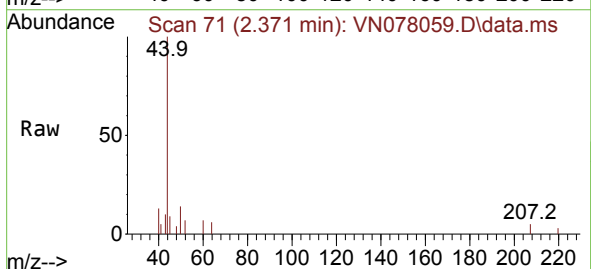
Acq: 05 Jun 2023 21:08

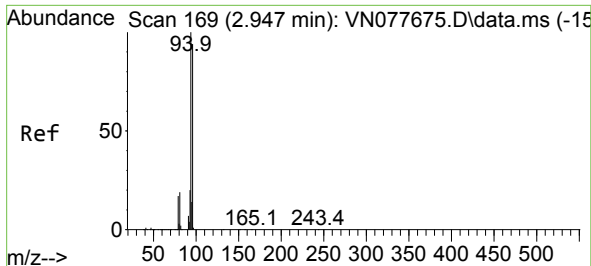
Tgt Ion: 50 Resp: 810

Ion Ratio Lower Upper

50 100

52 51.1 26.5 39.7#

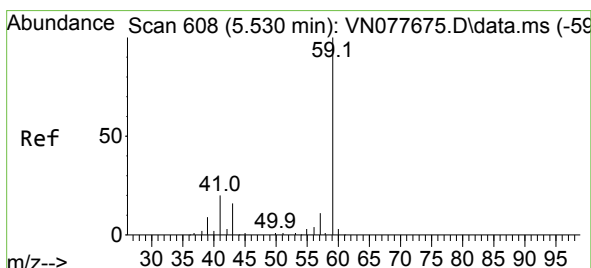
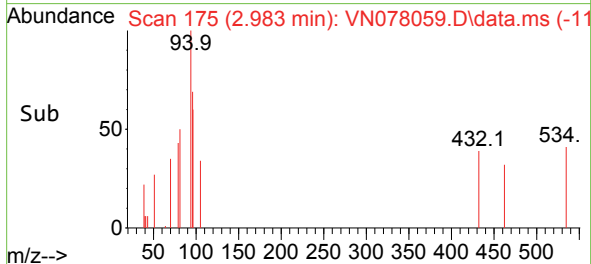
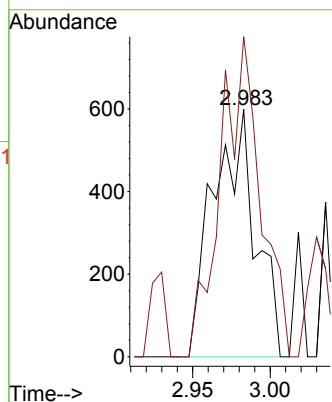
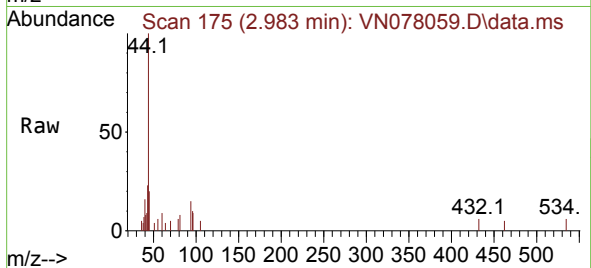




#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

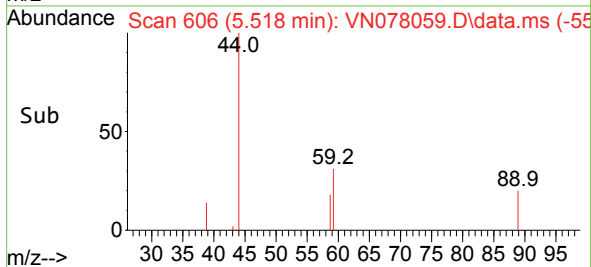
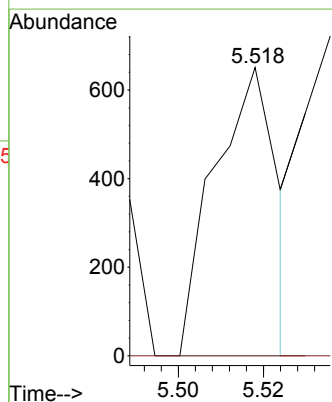
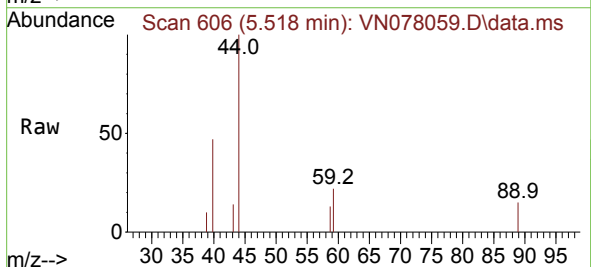
Instrument :
MSVOA_N
ClientSampleId :
TP-7

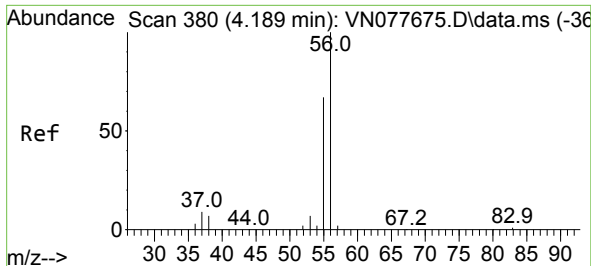
Tgt Ion: 94 Resp: 1134
Ion Ratio Lower Upper
94 100
96 129.4 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.855 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 59 Resp: 670
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

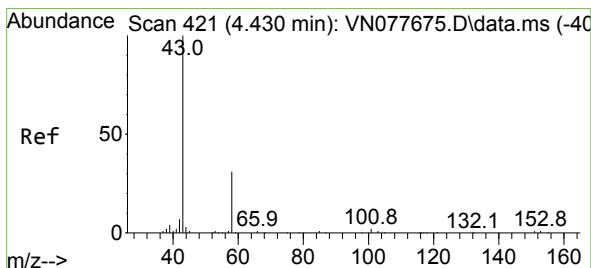
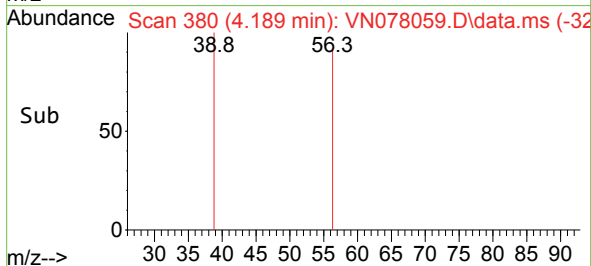
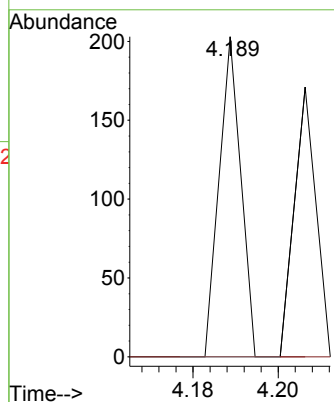
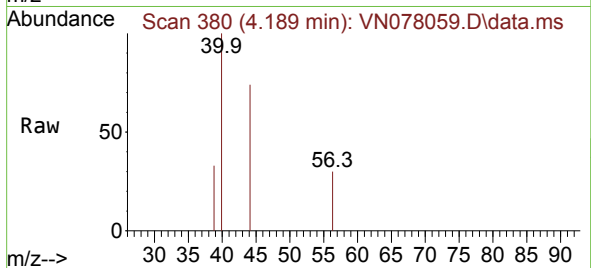




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

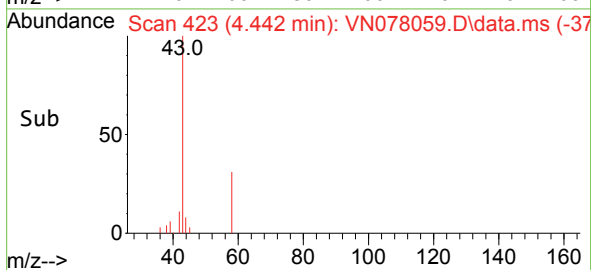
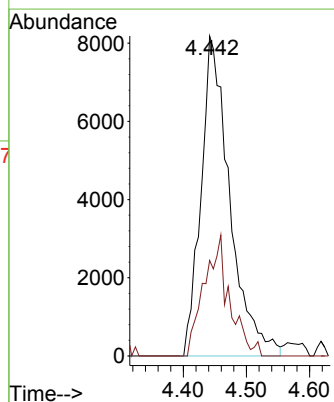
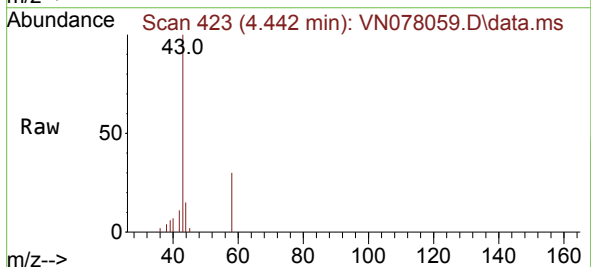
Instrument :
MSVOA_N
ClientSampleId :
TP-7

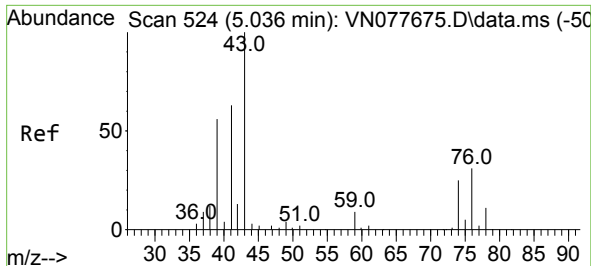
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 14.507 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 43 Resp: 25901
Ion Ratio Lower Upper
43 100
58 29.9 28.0 42.0

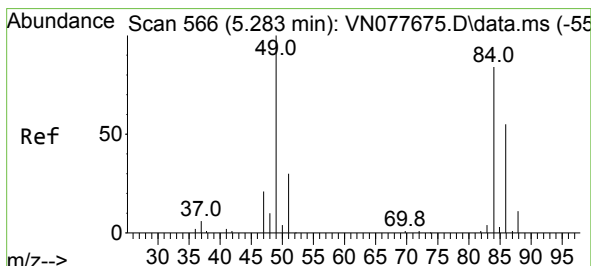
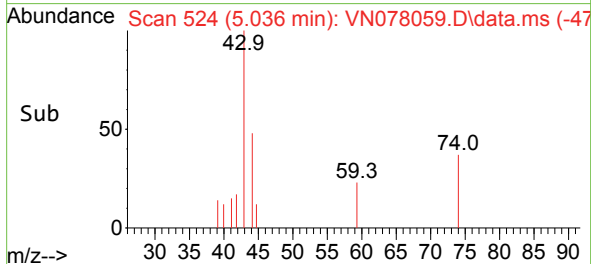
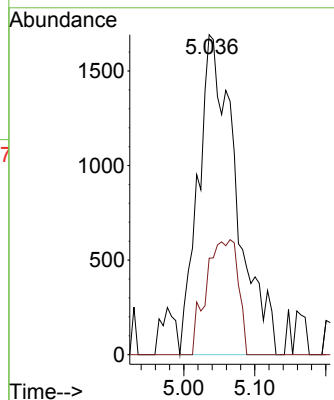
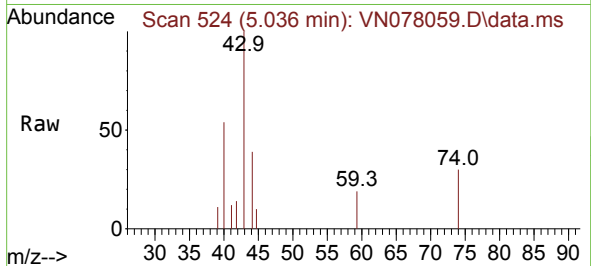




#18
Methyl Acetate
Concen: 0.838 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

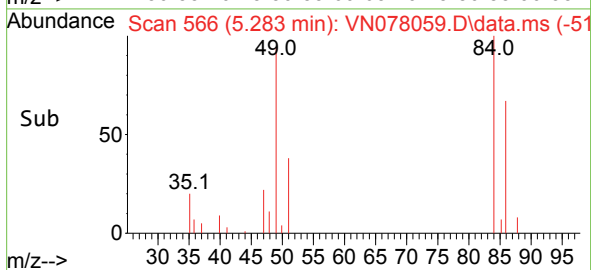
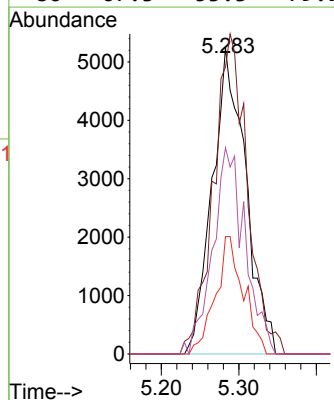
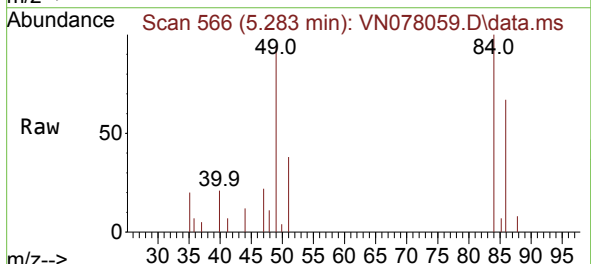
Instrument :
MSVOA_N
ClientSampleId :
TP-7

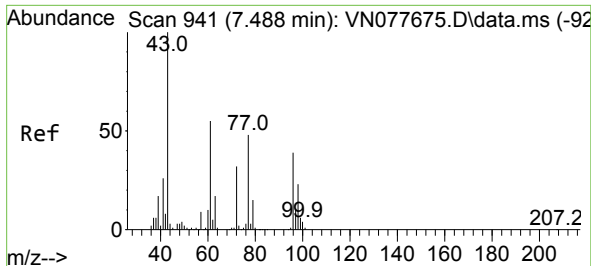
Tgt Ion: 43 Resp: 6277
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 1.467 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 84 Resp: 15731
Ion Ratio Lower Upper
84 100
49 93.6 79.7 119.5
51 38.3 25.2 37.8#
86 67.3 53.3 79.9

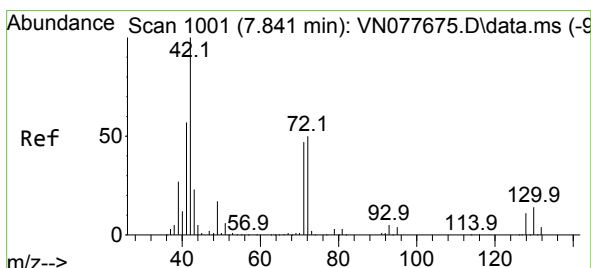
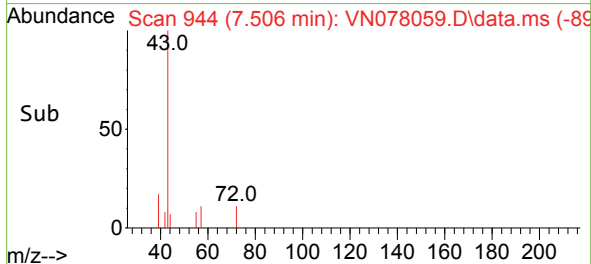
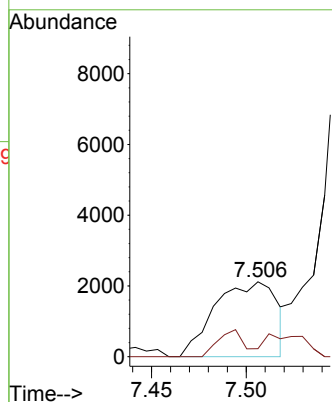
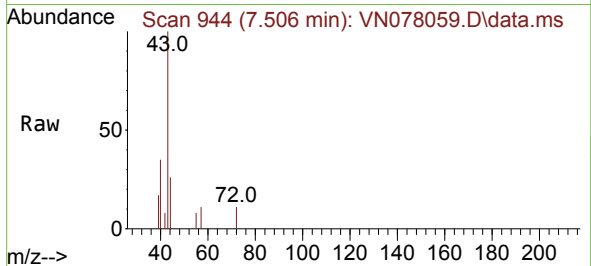




#25
2-Butanone
Concen: 1.717 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

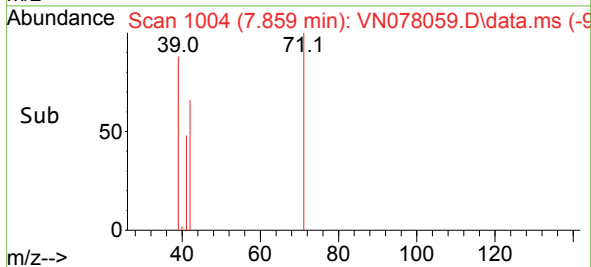
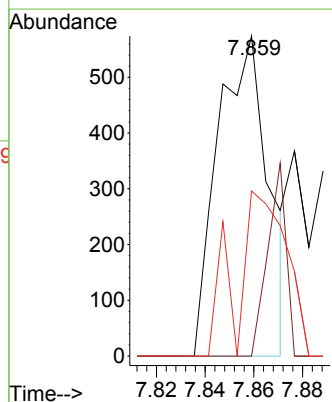
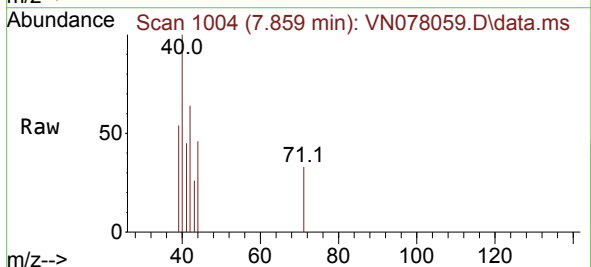
Instrument :
MSVOA_N
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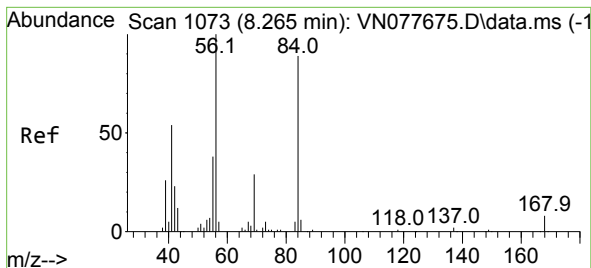
Tgt Ion: 43 Resp: 4796
Ion Ratio Lower Upper
43 100
72 10.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.455 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 42 Resp: 832
Ion Ratio Lower Upper
42 100
72 21.6 49.8 74.6#
71 50.7 47.4 71.2





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

Instrument :

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ClientSampleId :

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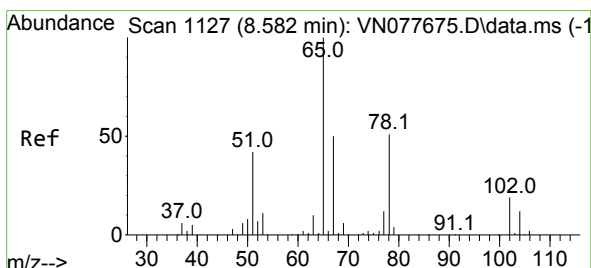
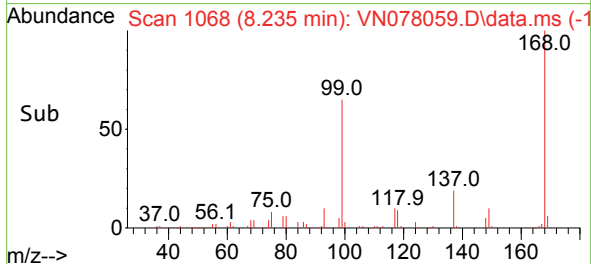
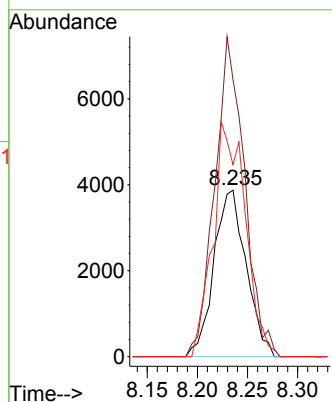
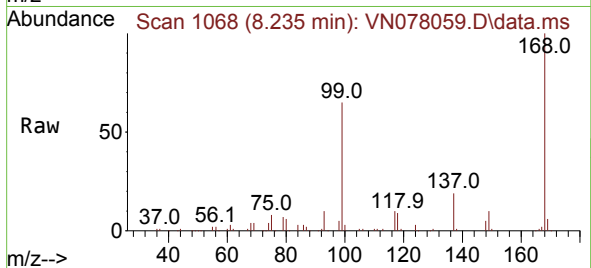
Tgt Ion: 56 Resp: 8645

Ion Ratio Lower Upper

56 100

69 166.4 26.8 40.2#

84 115.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 45.343 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078059.D

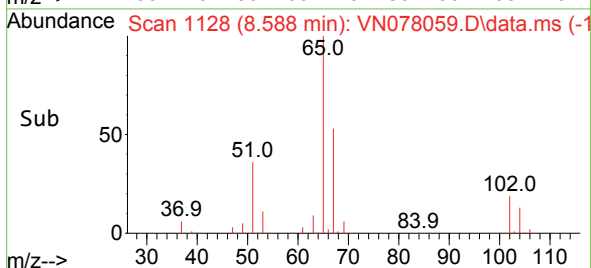
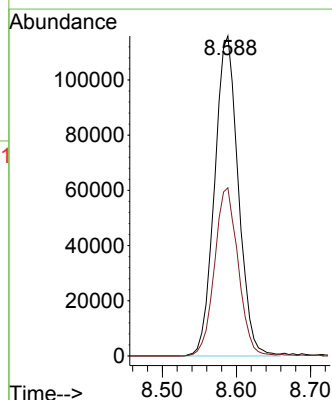
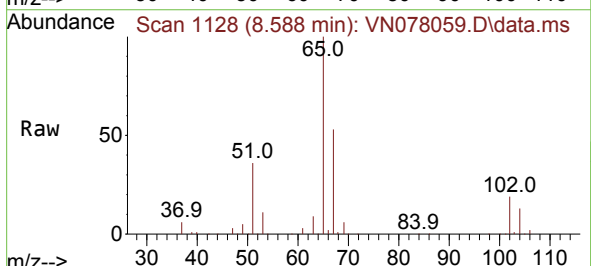
Acq: 05 Jun 2023 21:08

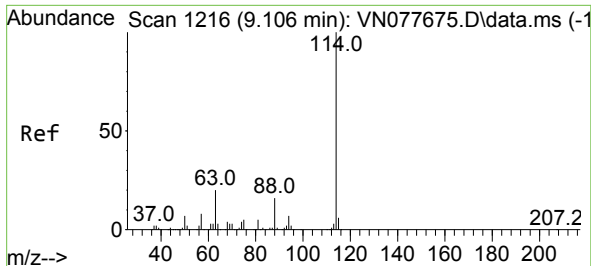
Tgt Ion: 65 Resp: 257322

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

TP-7

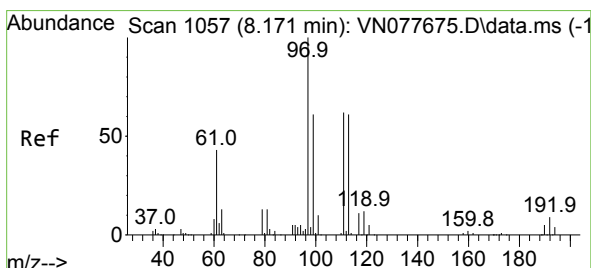
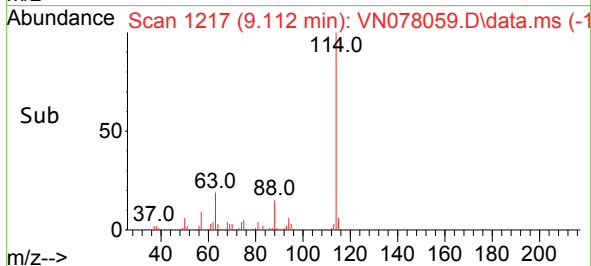
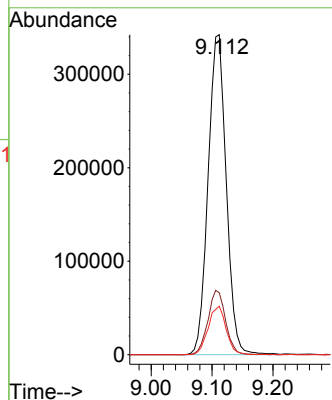
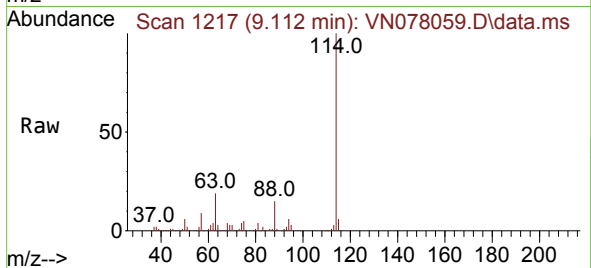
Tgt Ion:114 Resp: 708859

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.264 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

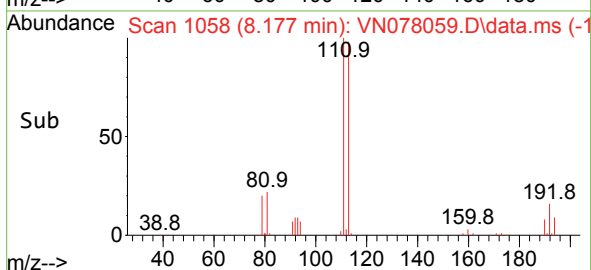
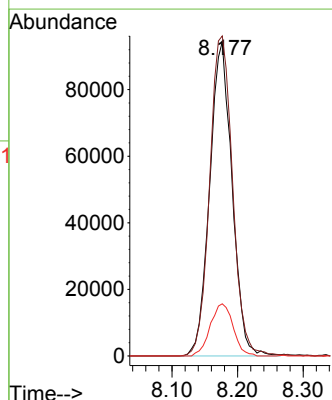
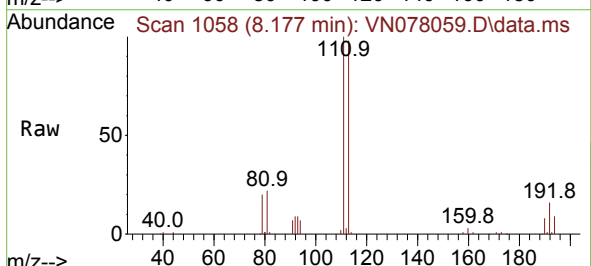
Tgt Ion:113 Resp: 223095

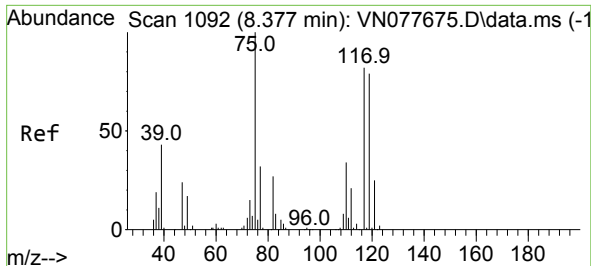
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 17.0 12.7 19.1

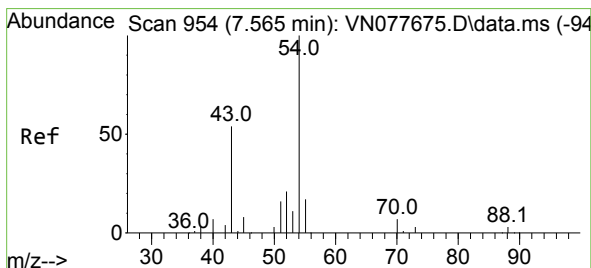
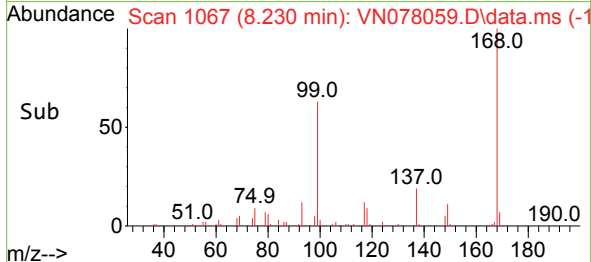
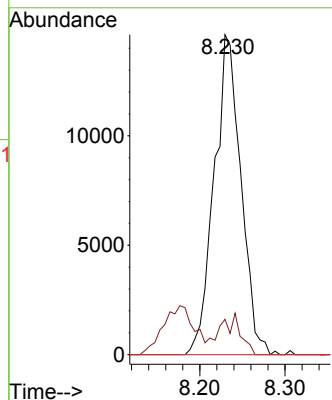
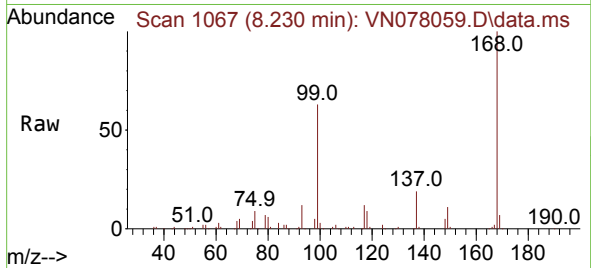




#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

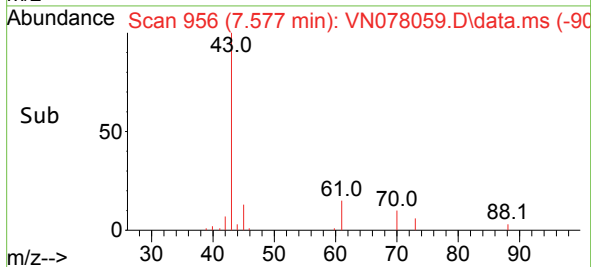
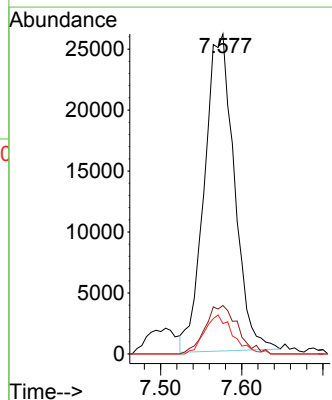
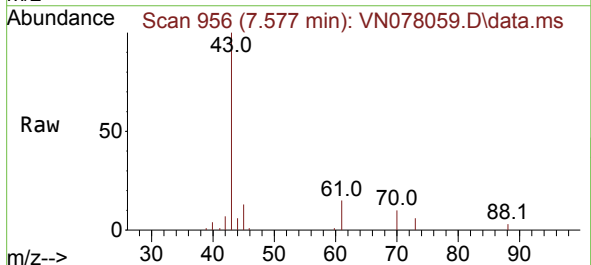
Instrument :
MSVOA_N
ClientSampleId :
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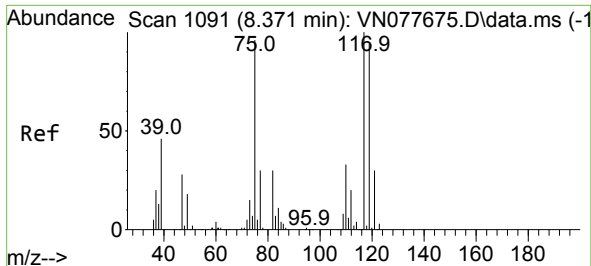
Tgt Ion: 75 Resp: 31866
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.041 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

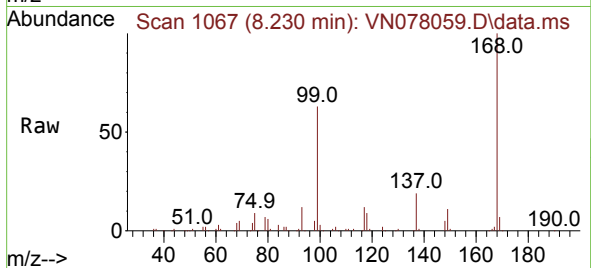
Tgt Ion: 43 Resp: 66537
Ion Ratio Lower Upper
43 100
61 16.7 13.2 19.8
70 11.8 11.3 16.9



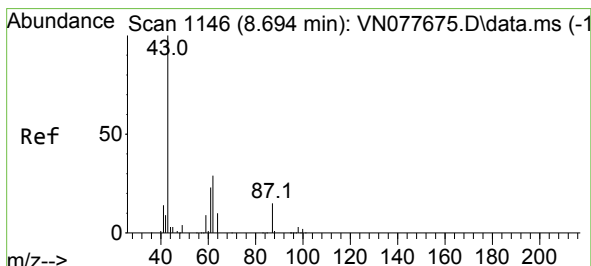
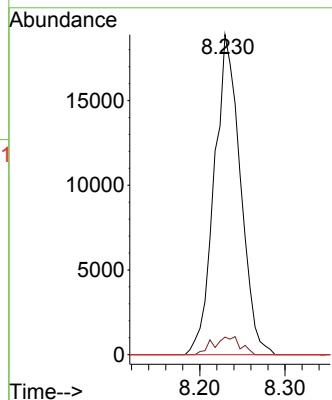
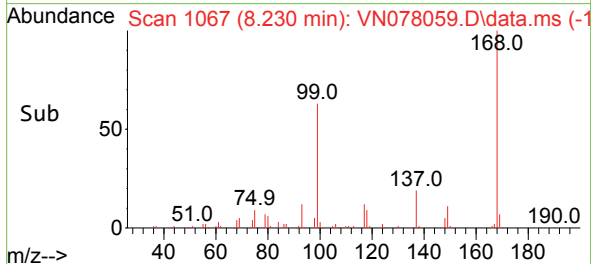


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :
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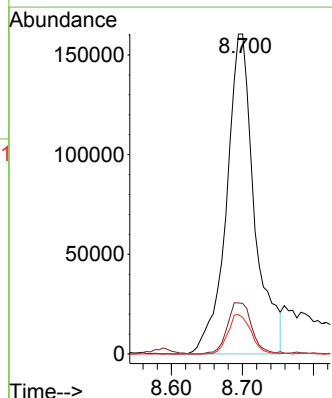
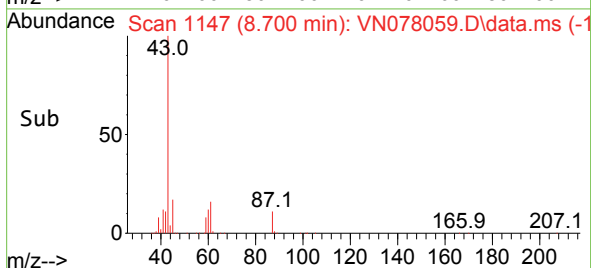
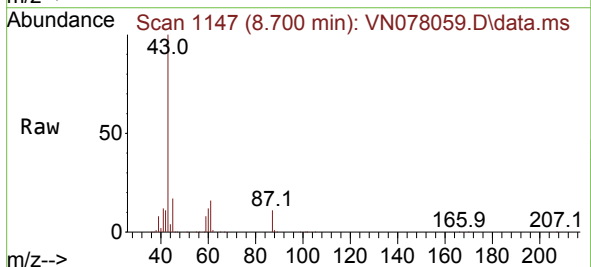


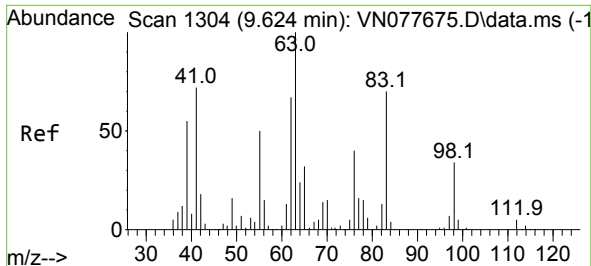
Tgt Ion:117 Resp: 40160
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 44.700 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 43 Resp: 439983
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 10.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.726 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :

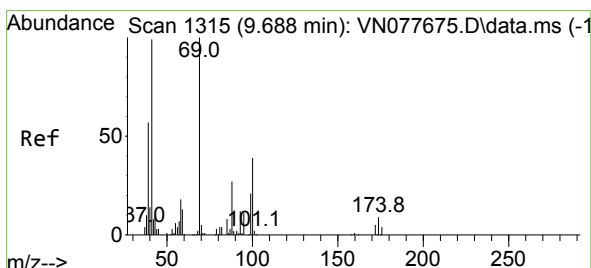
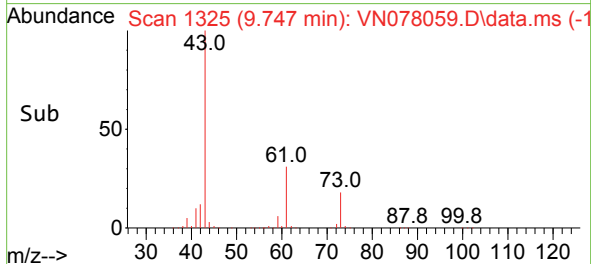
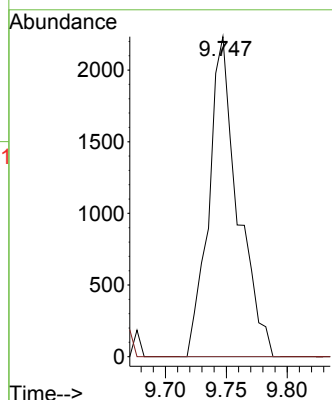
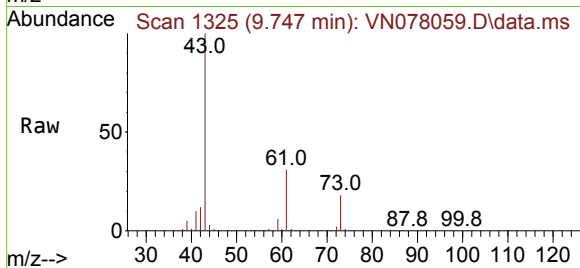
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Tgt Ion: 63 Resp: 3697

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.483 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN078059.D

Acq: 05 Jun 2023 21:08

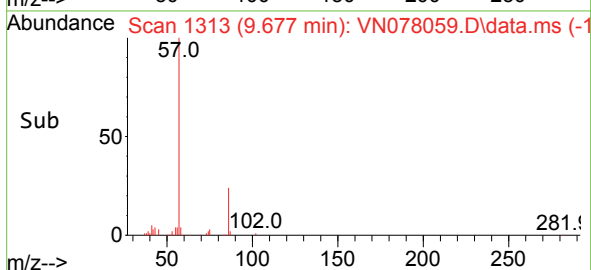
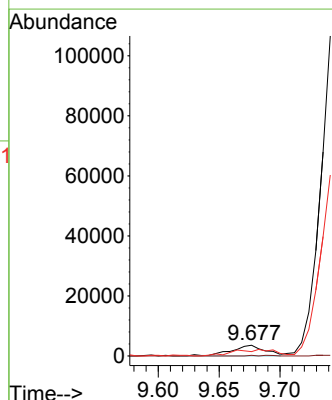
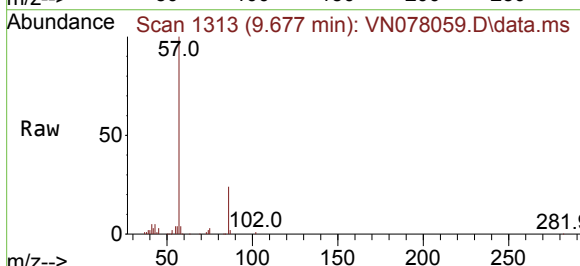
Tgt Ion: 41 Resp: 6919

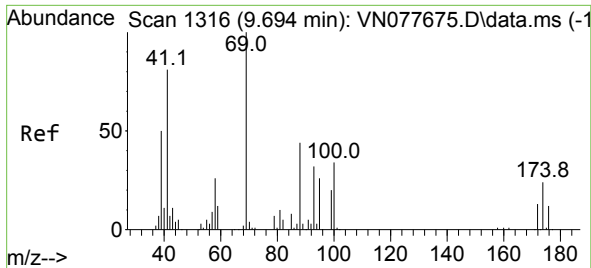
Ion Ratio Lower Upper

41 100

69 1.1 90.4 135.6#

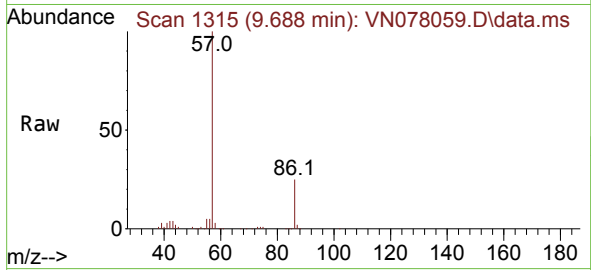
39 0.0 54.6 81.8#



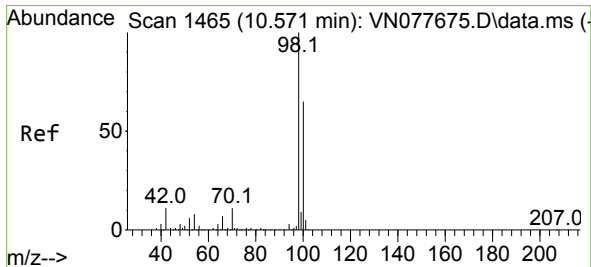
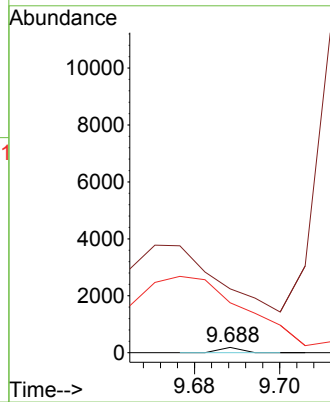
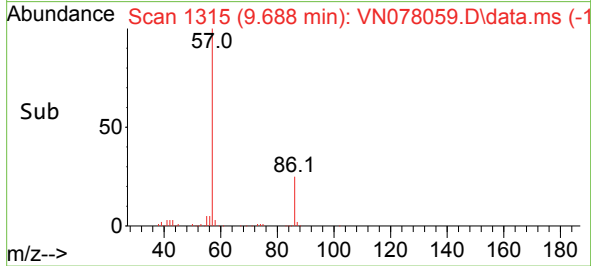


#49
1,4-Dioxane
Concen: 0.749 ug/l
RT: 9.688 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :
TP-7

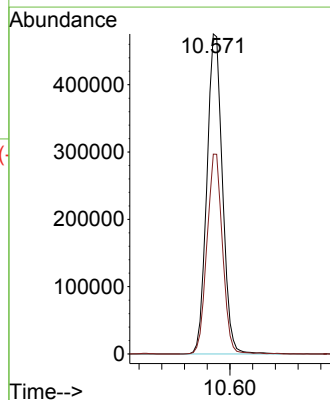
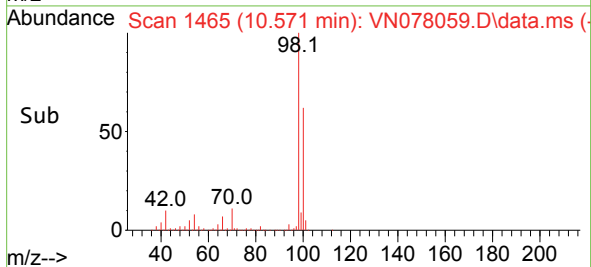
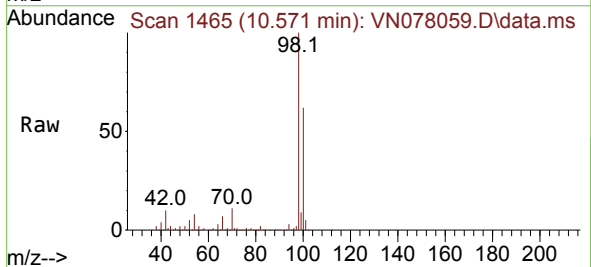


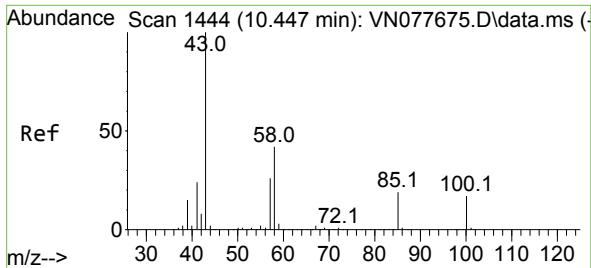
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 9050.0 47.0 70.4#



#50
Toluene-d8
Concen: 50.700 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 98 Resp: 902053
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0

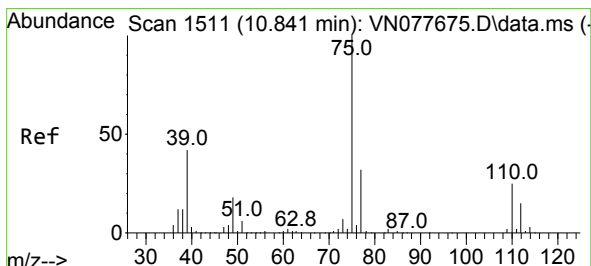
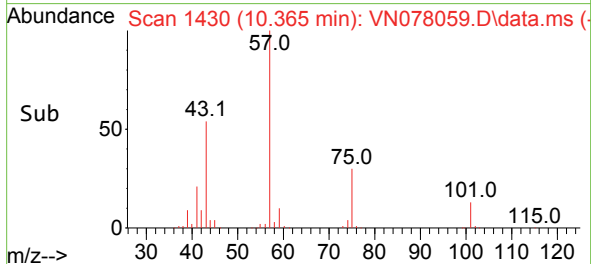
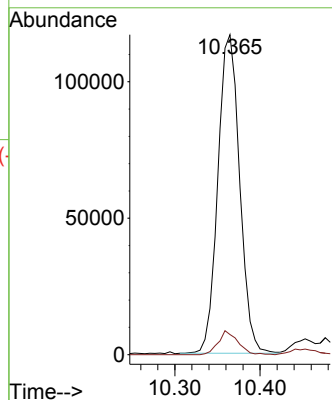
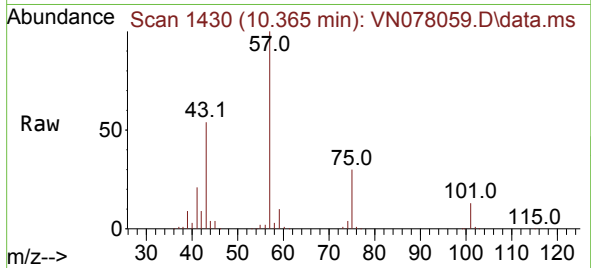




#51
4-Methyl-2-Pentanone
Concen: 35.466 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

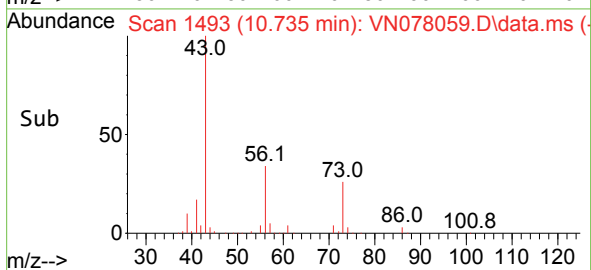
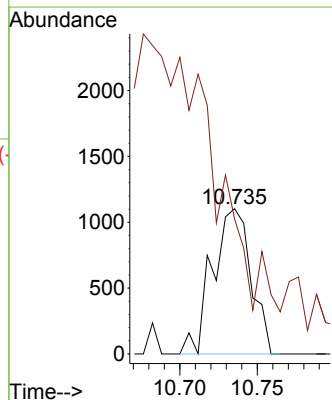
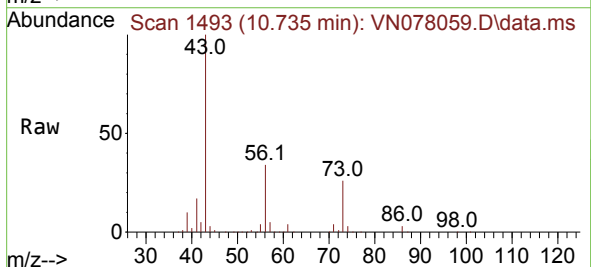
Instrument :
MSVOA_N
ClientSampleId :
TP-7

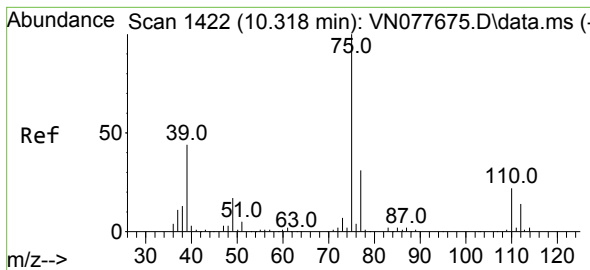
Tgt Ion: 43 Resp: 207504
Ion Ratio Lower Upper
43 100
58 6.8 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.258 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 75 Resp: 1906
Ion Ratio Lower Upper
75 100
77 63.8 25.4 38.0#

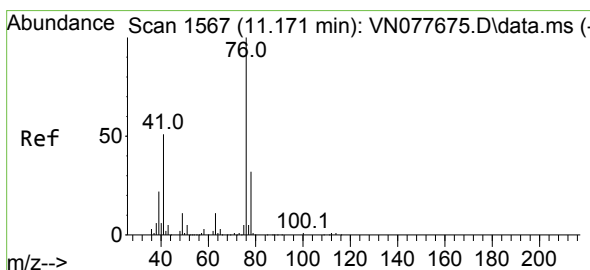
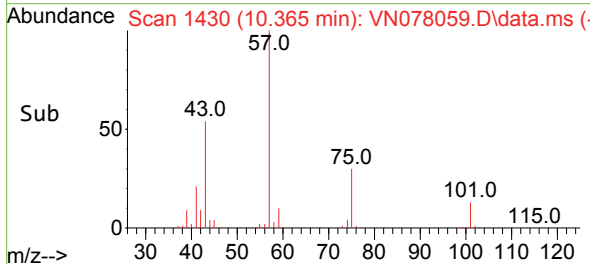
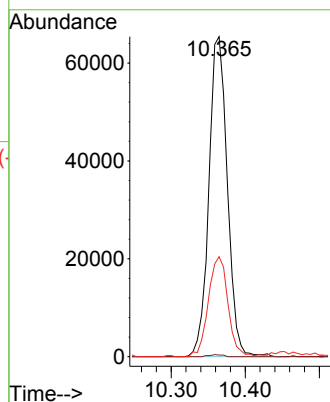
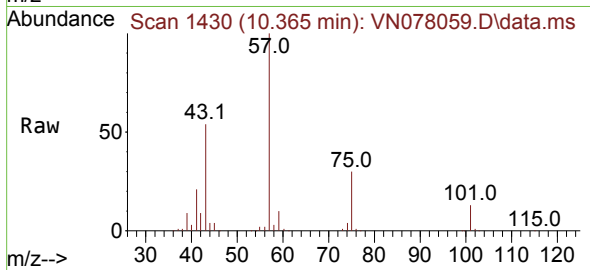




#54
 cis-1,3-Dichloropropene
 Concen: 13.910 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078059.D
 Acq: 05 Jun 2023 21:08

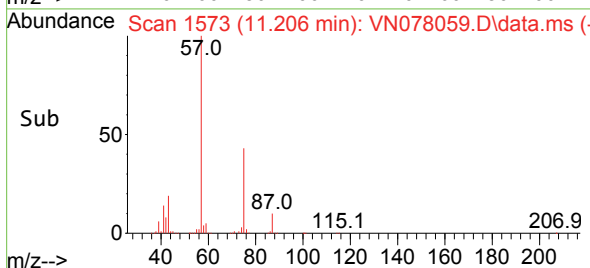
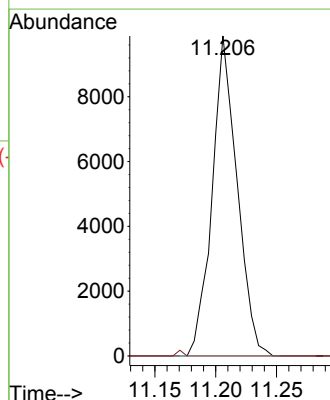
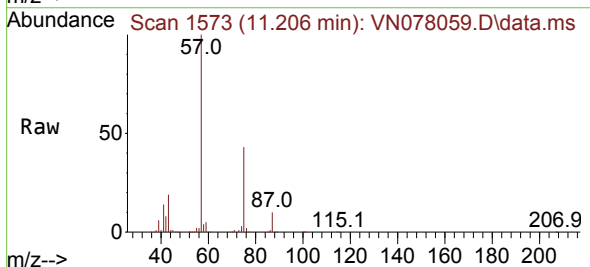
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

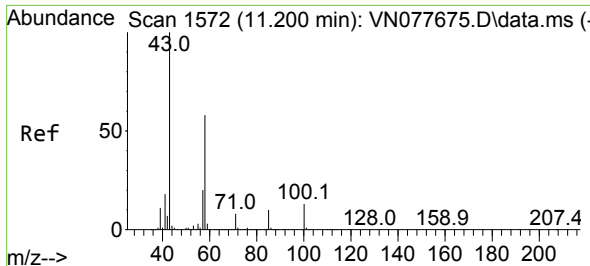
Tgt Ion: 75 Resp: 113169
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 31.2 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.671 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078059.D
 Acq: 05 Jun 2023 21:08

Tgt Ion: 76 Resp: 14126
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

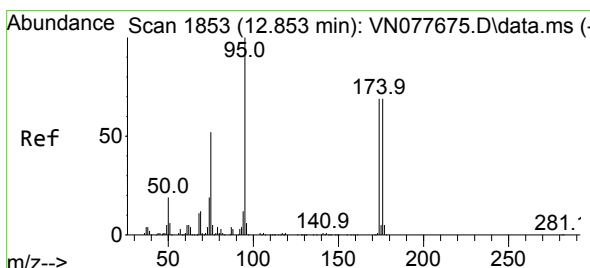
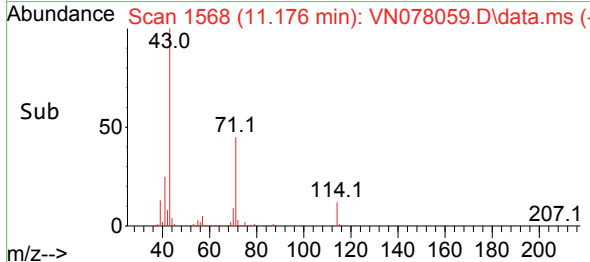
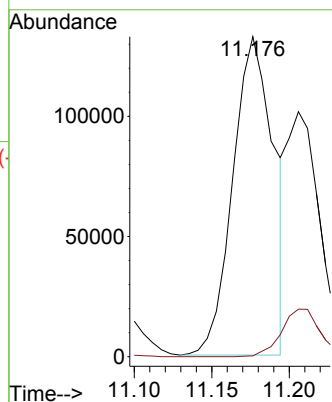
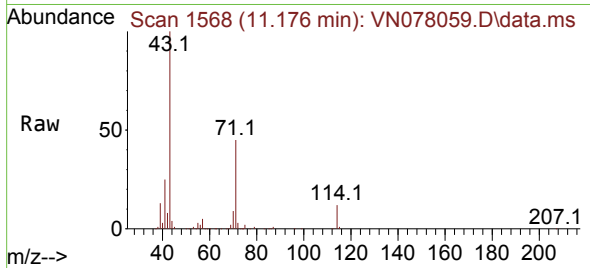




#59
2-Hexanone
Concen: 55.960 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

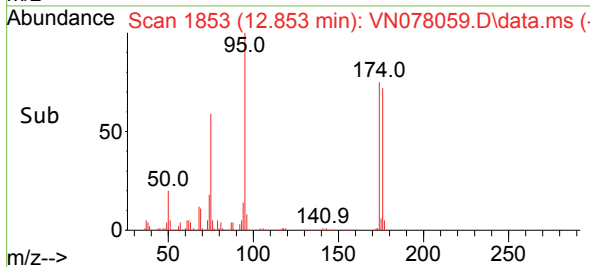
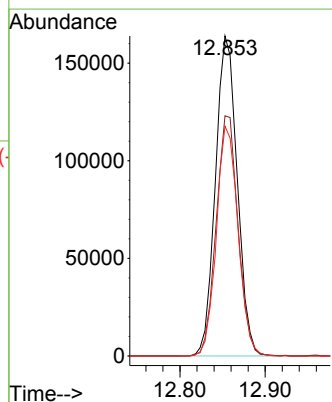
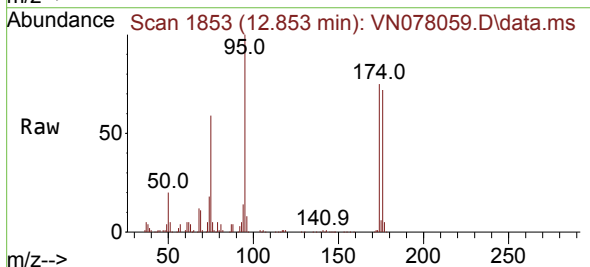
Instrument :
MSVOA_N
ClientSampleId :
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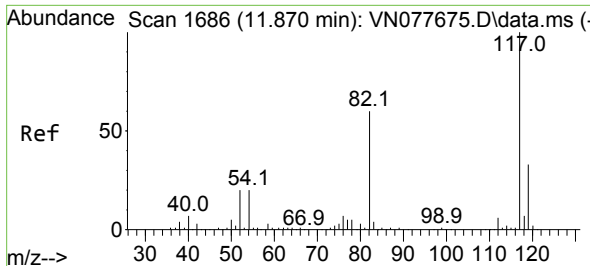
Tgt Ion: 43 Resp: 242174
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.396 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 95 Resp: 291541
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 71.1 0.0 135.8

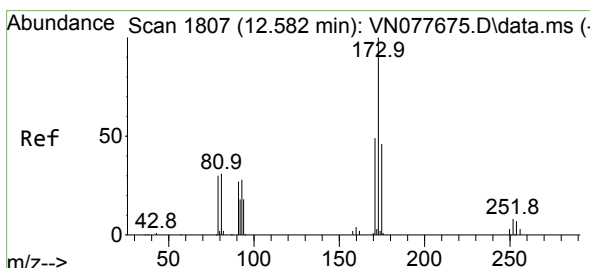
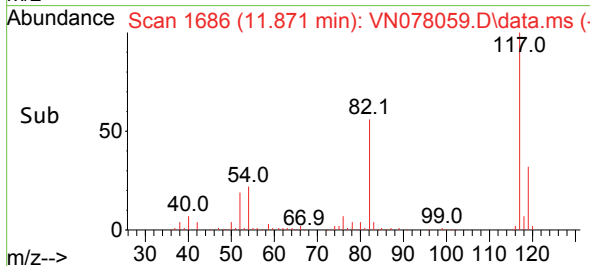
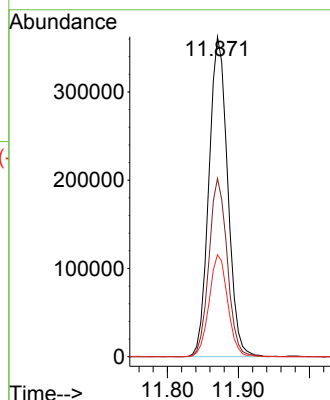
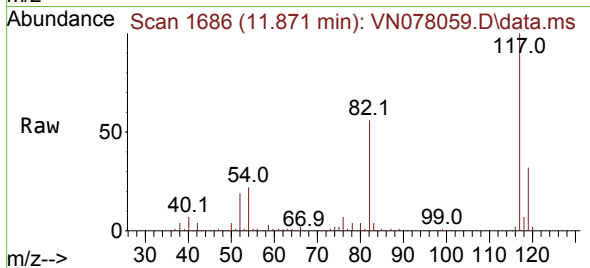




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

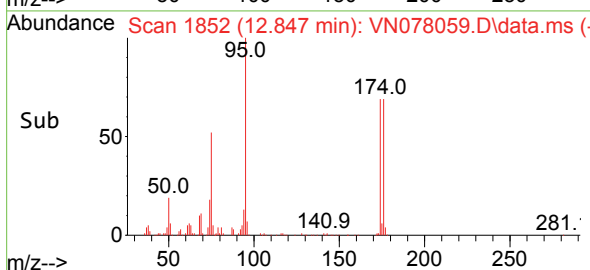
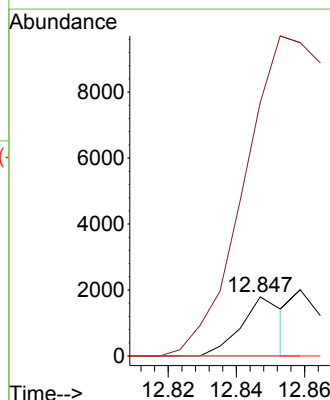
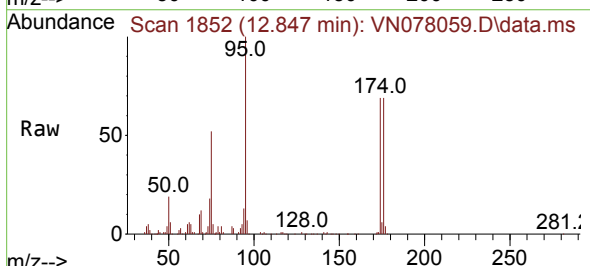
Instrument :
MSVOA_N
ClientSampleId :
TP-7

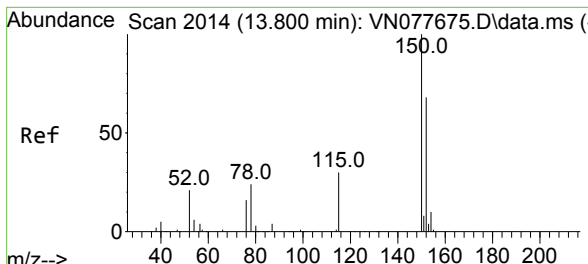
Tgt Ion:117 Resp: 664854
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.462 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion:173 Resp: 1533
Ion Ratio Lower Upper
173 100
175 798.0 24.3 73.0#
254 0.0 0.0 0.0

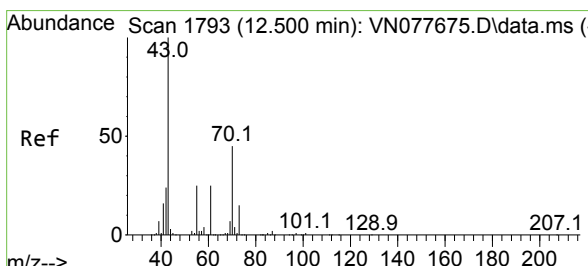
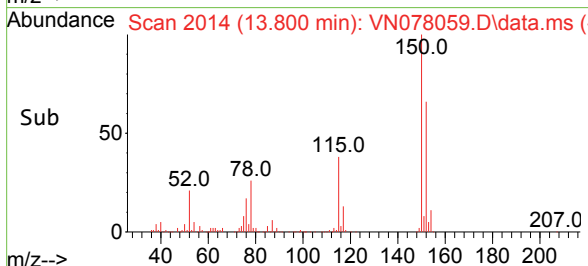
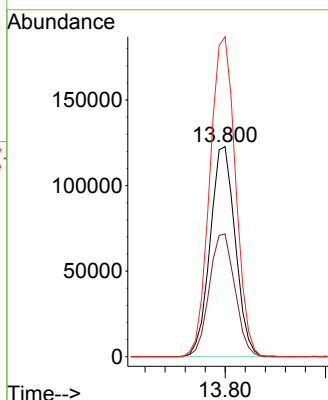
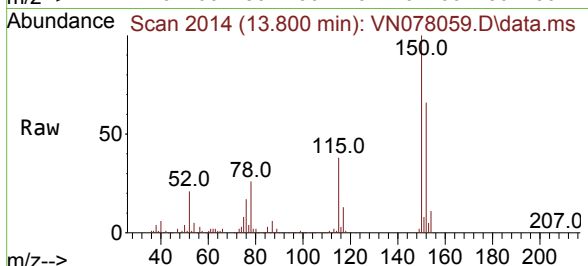




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078059.D
 Acq: 05 Jun 2023 21:08

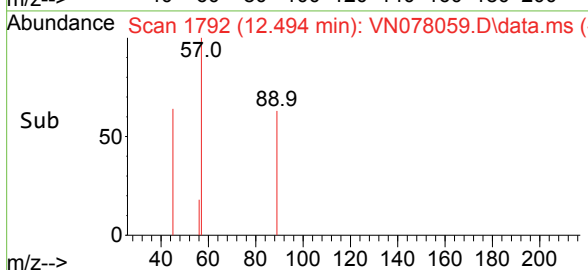
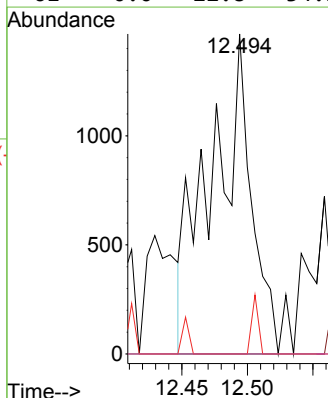
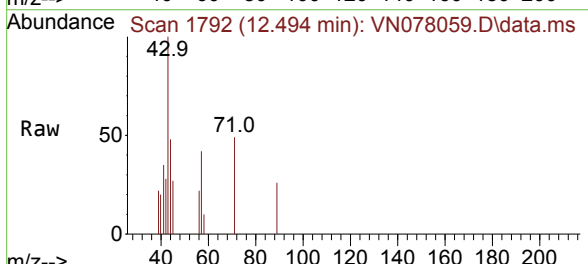
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

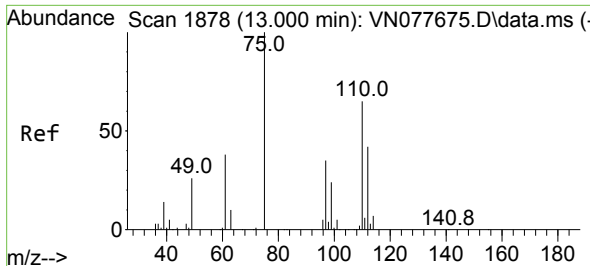
Tgt Ion:	152	Resp:	213620
Ion	Ratio	Lower	Upper
152	100		
115	59.6	32.3	96.8
150	155.9	0.0	355.8



#74
 N-ethyl acetate
 Concen: 0.460 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN078059.D
 Acq: 05 Jun 2023 21:08

Tgt Ion:	43	Resp:	3133
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#

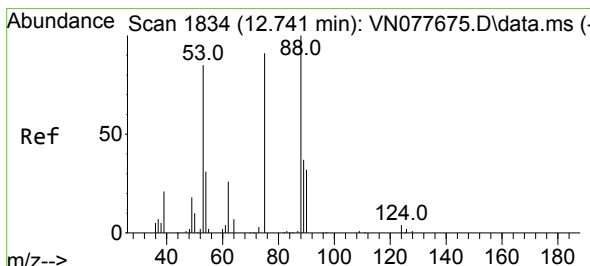
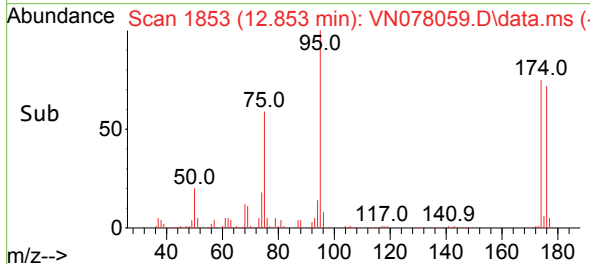
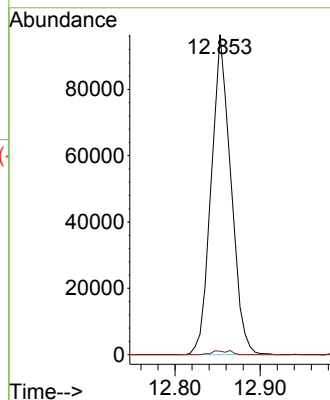
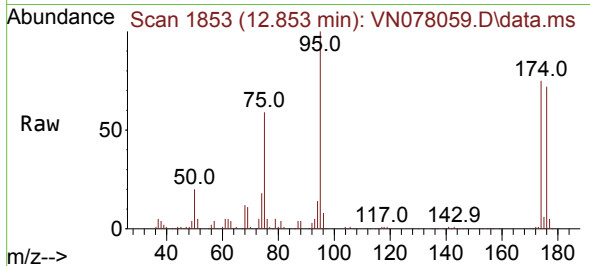




#76
1,2,3-Trichloropropane
Concen: 28.953 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tgt Ion: 75 Resp: 154895
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.550 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078059.D
Acq: 05 Jun 2023 21:08

Tgt Ion: 75 Resp: 154895
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

