

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090123\
 Data File : VN079122.D
 Acq On : 01 Sep 2023 14:58
 Operator : JC\MD
 Sample : 04232-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 23:13:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	278154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	501645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	200098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	201186	46.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.171	113	175887	50.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.420%		
50) Toluene-d8	10.571	98	631440	48.546	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.847	95	156817	36.885	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	73.780%#		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	3039	4.184	ug/l #	72
13) Acrolein	4.183	56	167	7.187	ug/l #	1
16) Acetone	4.436	43	68777	38.511	ug/l	97
17) Carbon Disulfide	4.718	76	5912	0.707	ug/l #	95
18) Methyl Acetate	5.041	43	3024	0.401	ug/l #	66
20) Methylene Chloride	5.283	84	17268	4.537	ug/l #	85
25) 2-Butanone	7.488	43	29777	10.399	ug/l #	72
29) Tetrahydrofuran	7.853	42	1157	0.610	ug/l #	38
31) Cyclohexane	8.235	56	7498	Below Cal	#	34
36) 1,1-Dichloropropene	8.224	75	22302	4.232	ug/l #	48
37) Ethyl Acetate	7.565	43	6046	1.025	ug/l #	78
38) Carbon Tetrachloride	8.229	117	27957	5.295	ug/l #	16
39) Methylcyclohexane	9.606	83	1618	0.334	ug/l	92
40) Benzene	8.612	78	1001526	64.302	ug/l	99
42) 1,2-Dichloroethane	8.694	62	1399	0.240	ug/l #	73
43) Isopropyl Acetate	8.694	43	177689	17.052	ug/l #	85
48) Methyl methacrylate	9.671	41	6623	1.403	ug/l #	29
49) 1,4-Dioxane	9.747	88	131	1.629	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	78639	12.724	ug/l	89
52) Toluene	10.635	92	753039	78.748	ug/l	99
54) cis-1,3-Dichloropropene	10.365	75	61401	9.360	ug/l #	64
55) 1,1,2-Trichloroethane	10.888	97	3874	1.010	ug/l #	16
57) 1,3-Dichloropropane	11.212	76	6408	0.934	ug/l #	42
59) 2-Hexanone	11.176	43	144624	32.307	ug/l #	19
67) Ethyl Benzene	11.970	91	111013	5.717	ug/l	92
68) m/p-Xylenes	12.070	106	175329	24.149	ug/l	96
69) o-Xylene	12.406	106	118022	16.711	ug/l	94
70) Styrene	12.412	104	42961	3.648	ug/l #	59
71) Bromoform	12.853	173	1025	0.349	ug/l #	28
73) Isopropylbenzene	12.700	105	3935	0.236	ug/l	91
74) N-amyl acetate	12.465	43	4119	0.489	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	82787	17.171	ug/l #	1
78) n-propylbenzene	13.041	91	5739	0.297	ug/l	100
79) 2-Chlorotoluene	13.100	91	4920	0.410	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	23185	1.754	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	82787	43.864	ug/l #	15

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

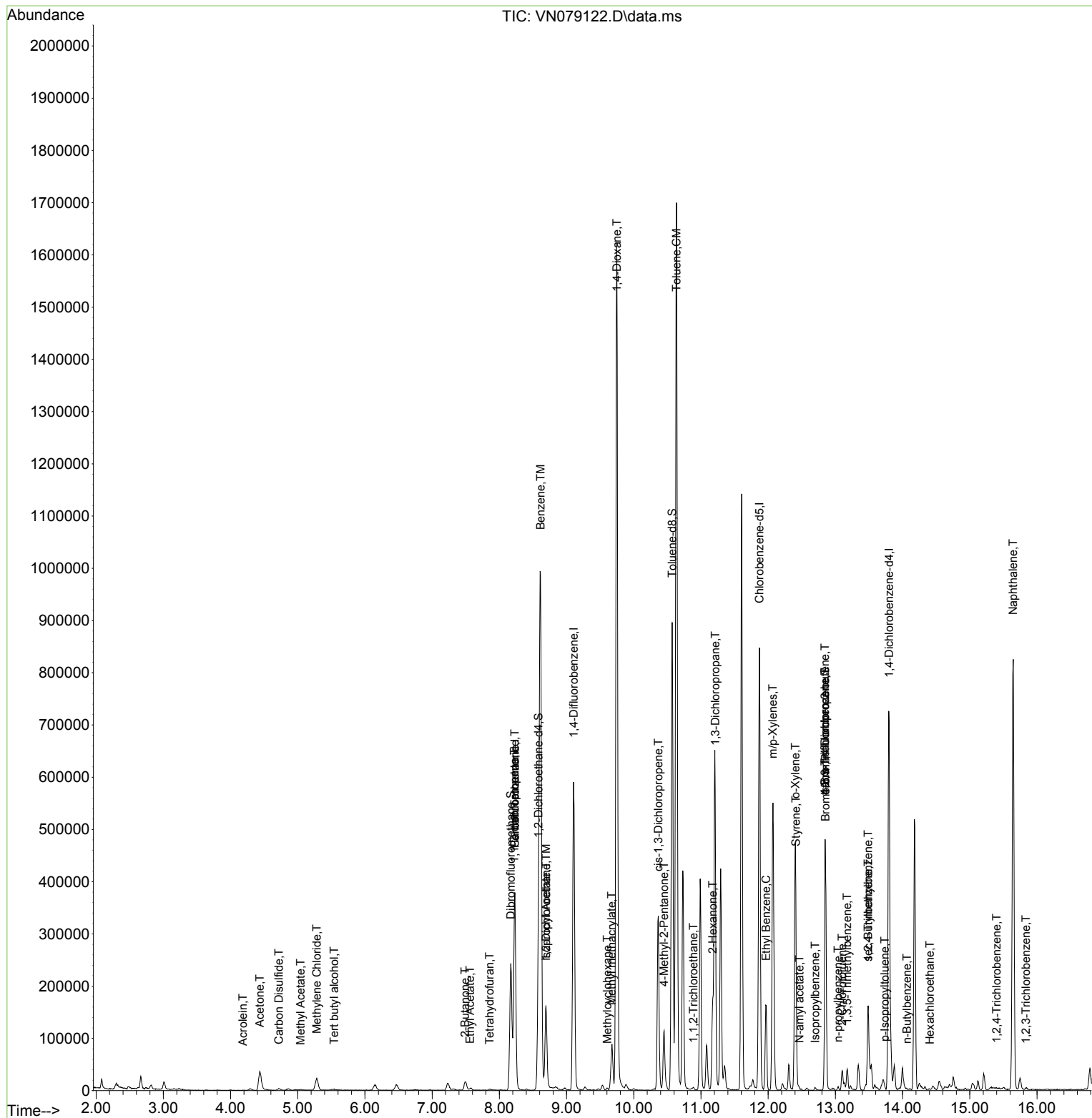
84) 1,2,4-Trimethylbenzene	13.488	105	100864	7.704	ug/l	90
85) sec-Butylbenzene	13.488	105	100864	6.597	ug/l #	57
86) p-Isopropyltoluene	13.735	119	2806	0.230	ug/l	84
89) n-Butylbenzene	14.064	91	2157	0.215	ug/l #	65
90) Hexachloroethane	14.406	117	1196	0.488	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.559	75	57	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.400	180	931	0.383	ug/l #	36
95) Naphthalene	15.647	128	764638	81.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	1404	0.527	ug/l #	90

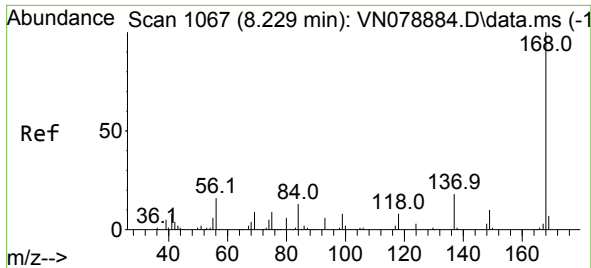
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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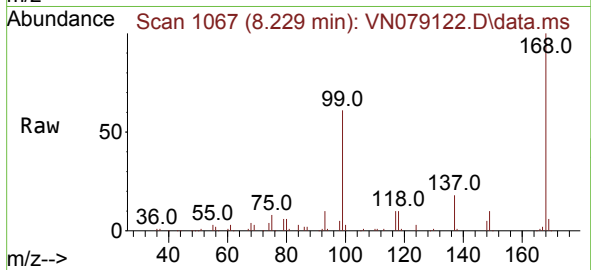
Quant Time: Sep 01 23:13:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



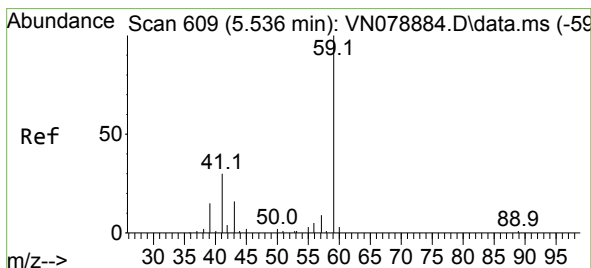
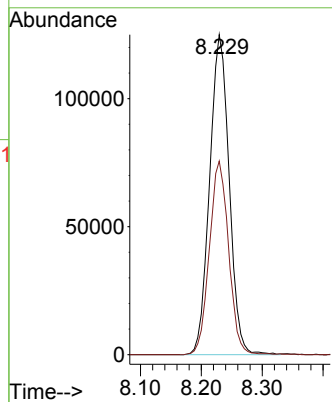
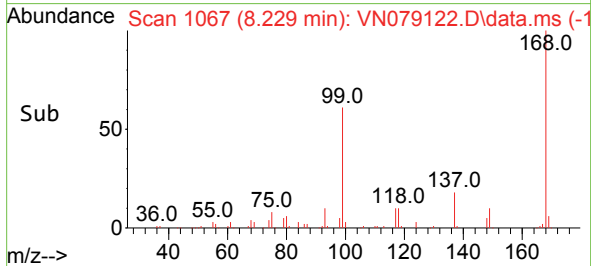


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

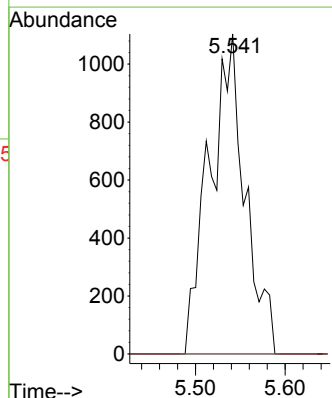
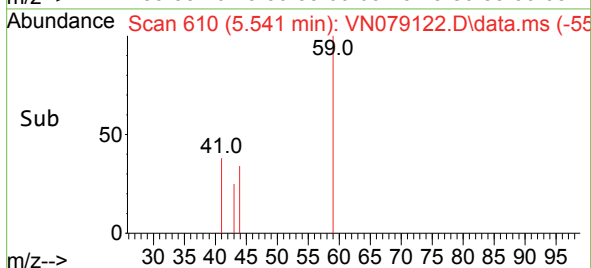
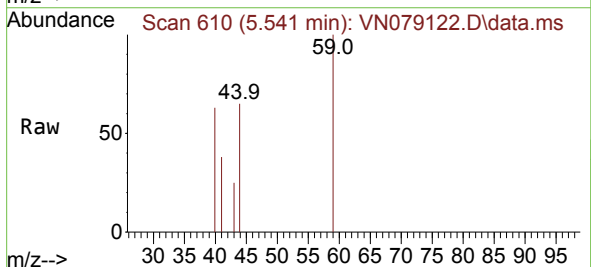


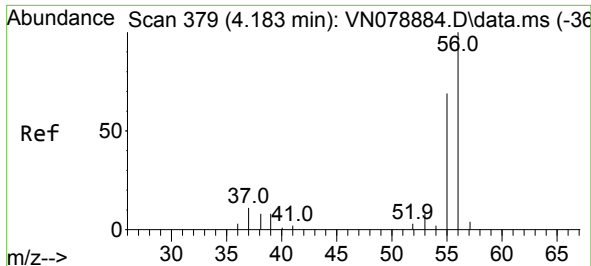
Tgt Ion:168 Resp: 278154
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6



#11
Tert butyl alcohol
Concen: 4.184 ug/l
RT: 5.541 min Scan# 610
Delta R.T. -0.001 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

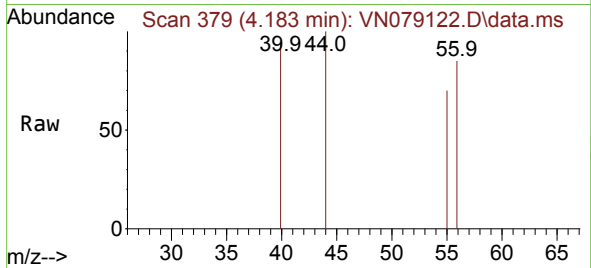
Tgt Ion: 59 Resp: 3039
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



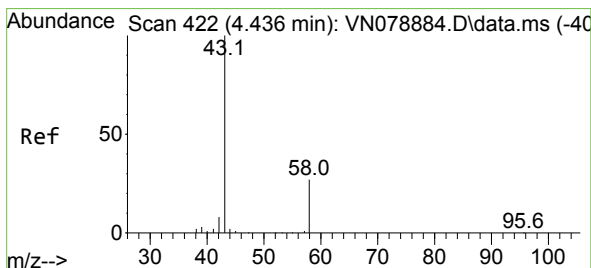
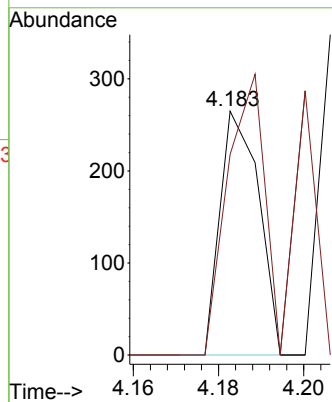
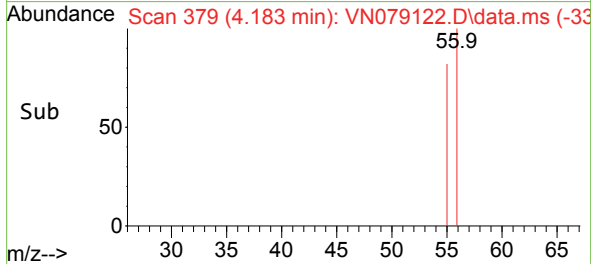


#13
Acrolein
Concen: 7.187 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.012 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

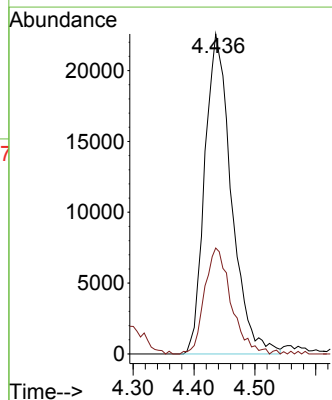
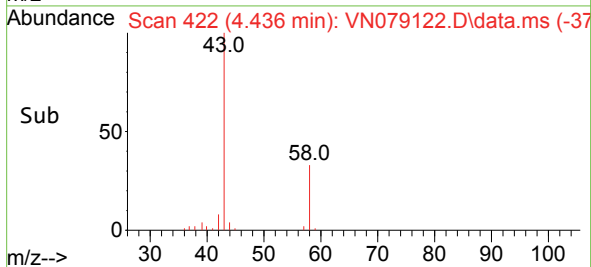
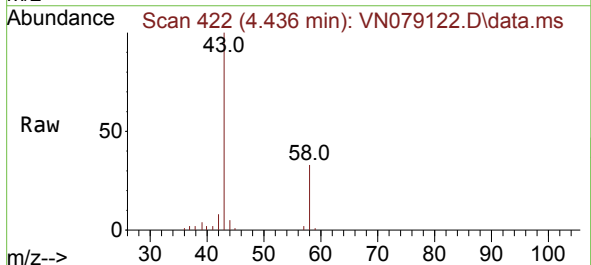


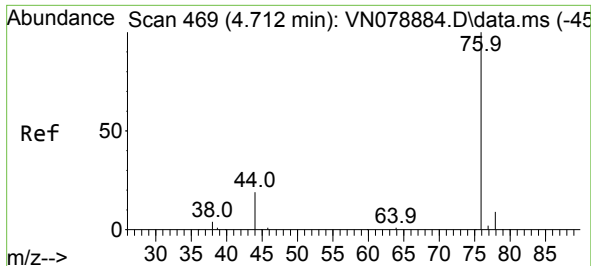
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 171.3 54.5 81.7#



#16
Acetone
Concen: 38.511 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 43 Resp: 68777
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0

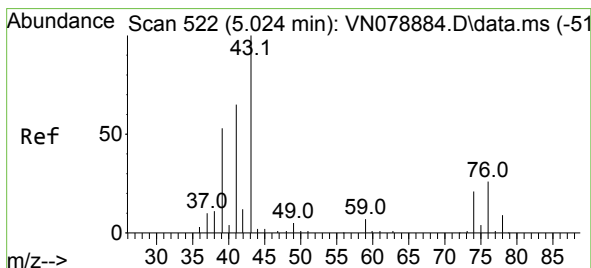
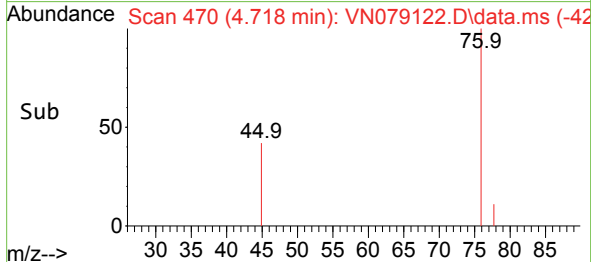
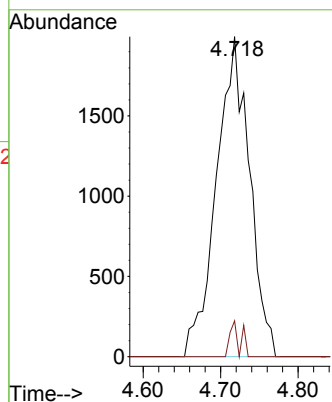
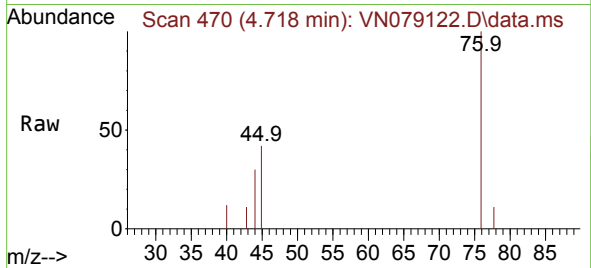




#17
Carbon Disulfide
Concen: 0.707 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

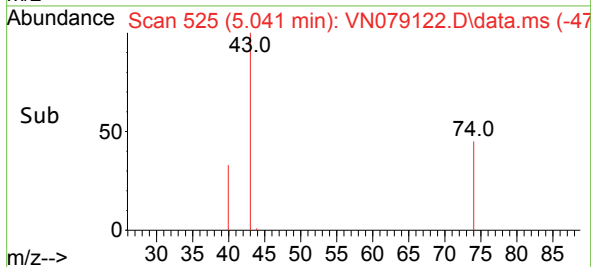
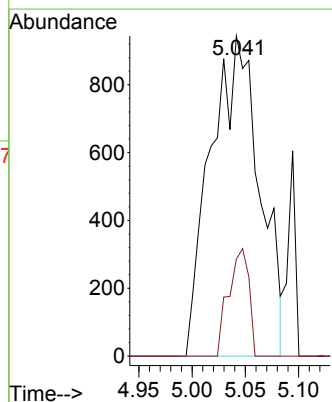
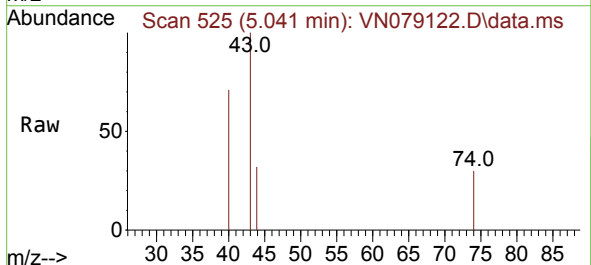
Instrument :
MSVOA_N
ClientSampleId :

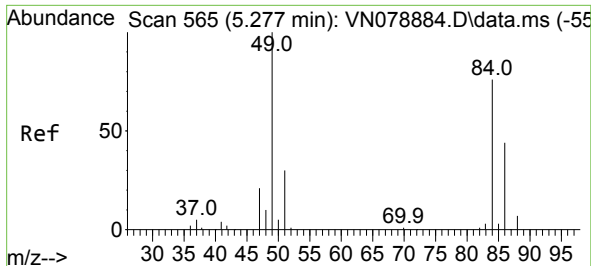
Tgt Ion: 76 Resp: 5912
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.0#



#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.001 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

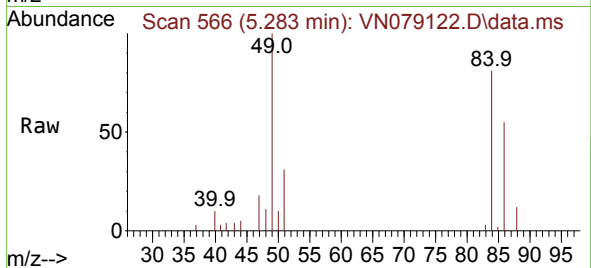
Tgt Ion: 43 Resp: 3024
Ion Ratio Lower Upper
43 100
74 13.9 26.2 39.4#



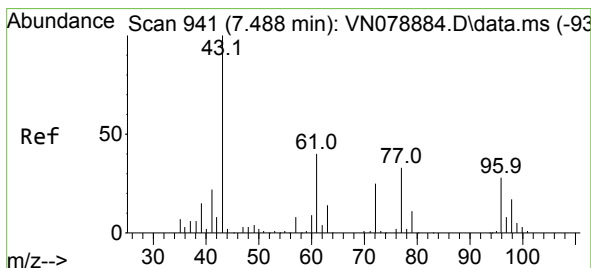
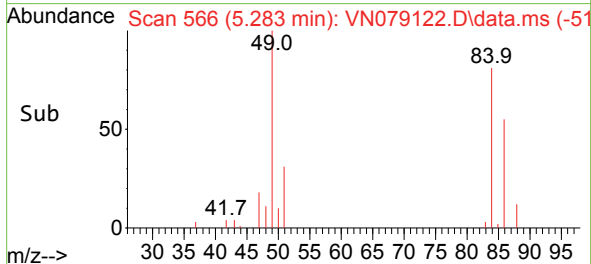
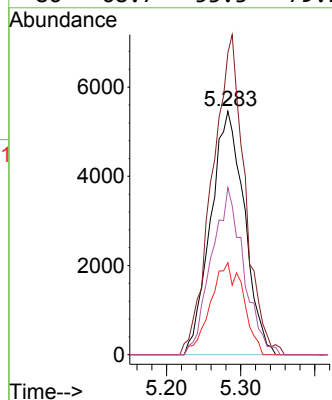


#20
Methylene Chloride
Concen: 4.537 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

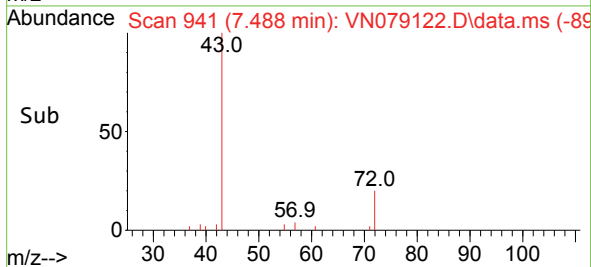
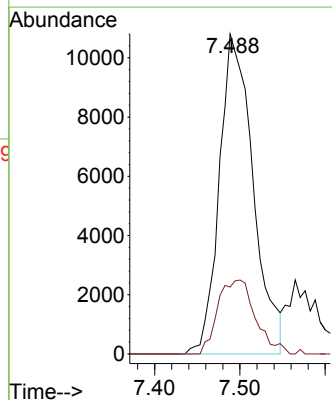
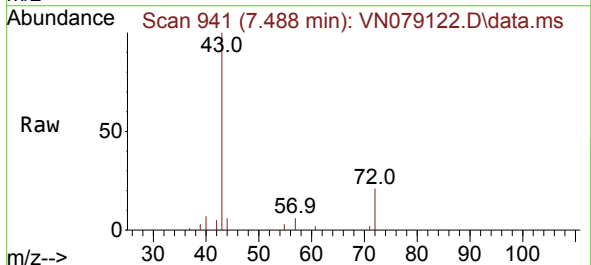


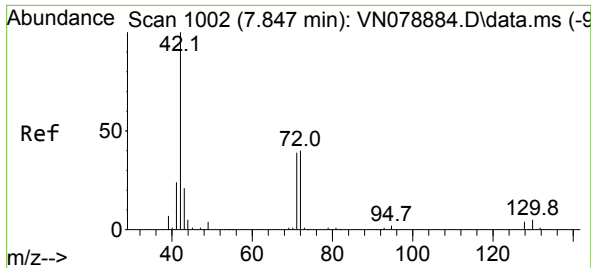
Tgt Ion:	84	Resp:	17268
Ion	Ratio	Lower	Upper
84	100		
49	123.9	79.7	119.5#
51	37.8	25.2	37.8#
86	68.7	53.3	79.9



#25
2-Butanone
Concen: 10.399 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN079122.D
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Tgt Ion:	43	Resp:	29777
Ion	Ratio	Lower	Upper
43	100		
72	20.9	30.2	45.2#

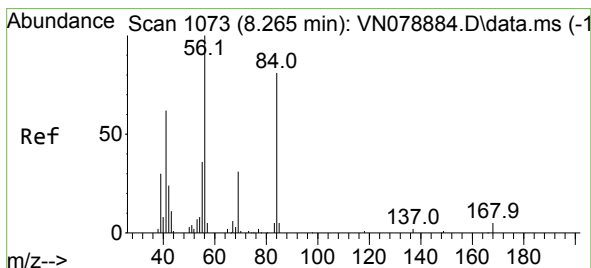
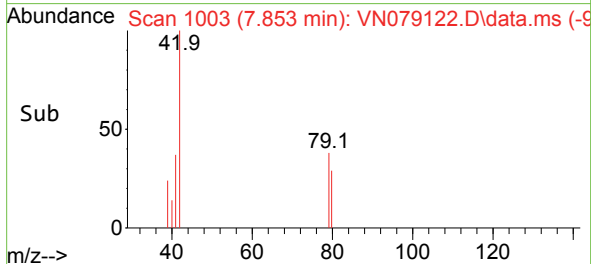
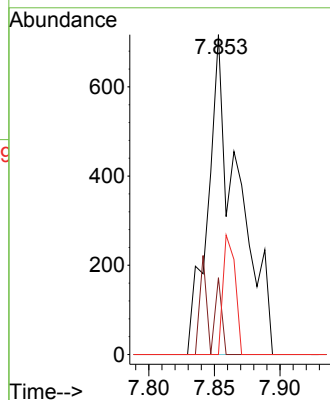
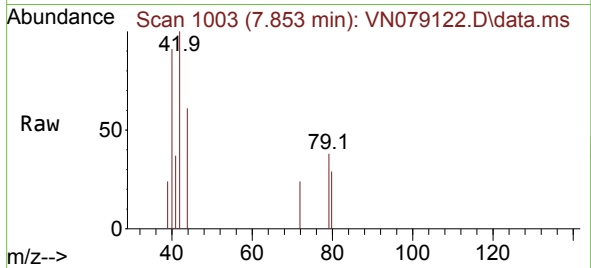




#29
Tetrahydrofuran
Concen: 0.610 ug/l
RT: 7.853 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

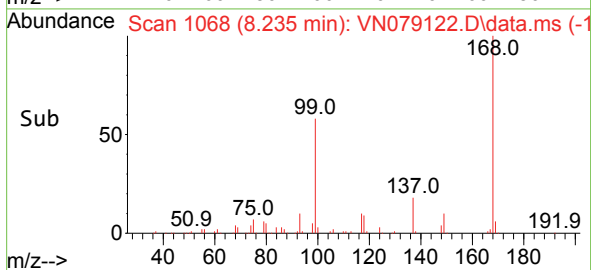
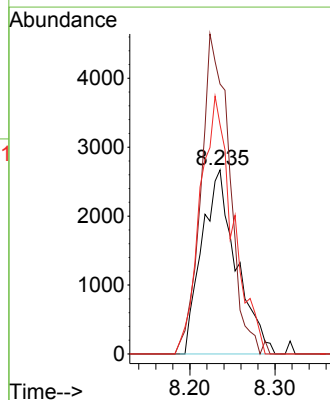
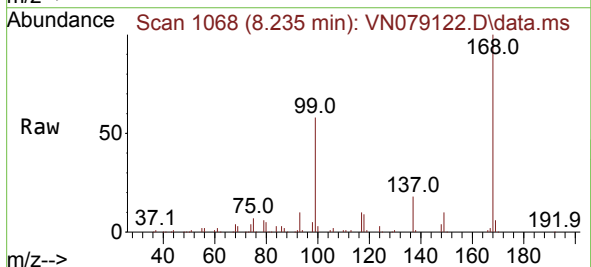
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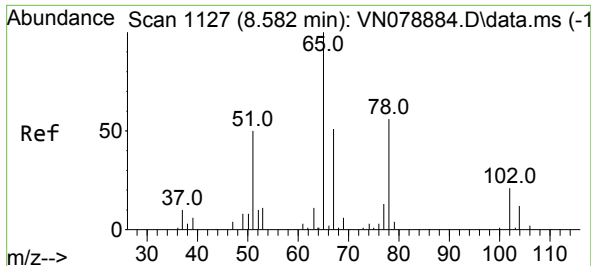
Tgt Ion: 42 Resp: 1157
Ion Ratio Lower Upper
42 100
72 12.0 49.8 74.6#
71 14.7 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 56 Resp: 7498
Ion Ratio Lower Upper
56 100
69 146.7 26.8 40.2#
84 124.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.481 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

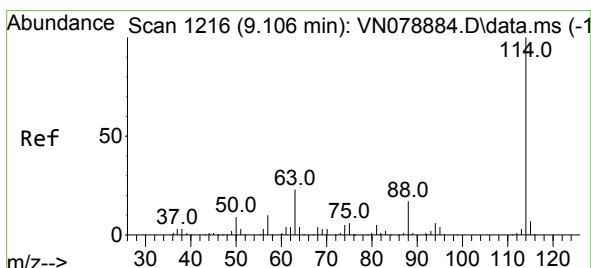
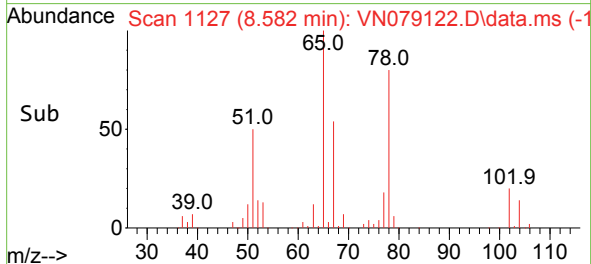
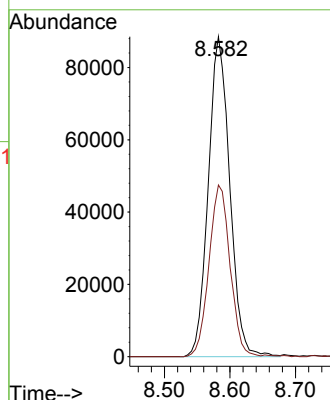
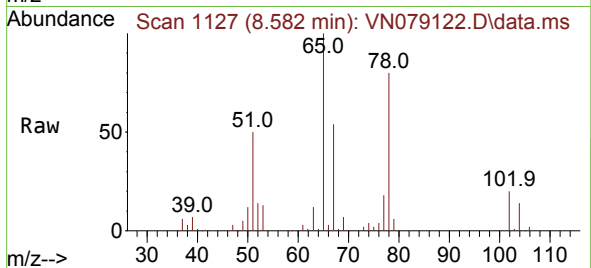
ClientSampleId :

Tgt Ion: 65 Resp: 201186

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

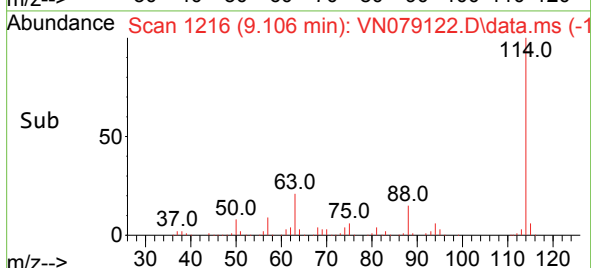
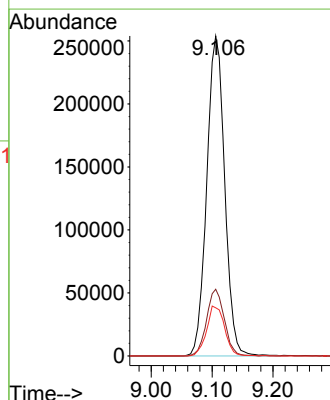
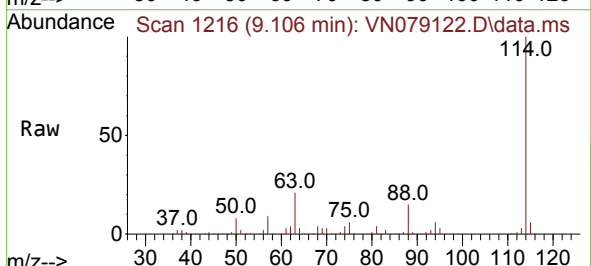
Tgt Ion: 114 Resp: 520394

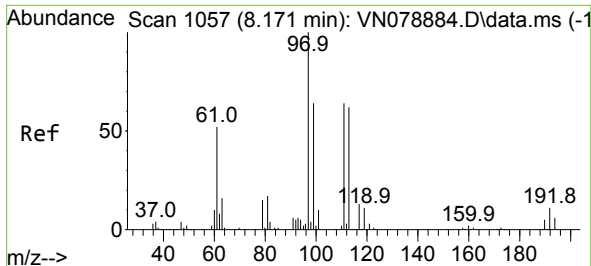
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

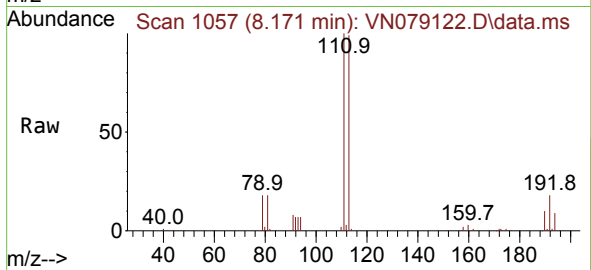
88 15.1 0.0 30.6



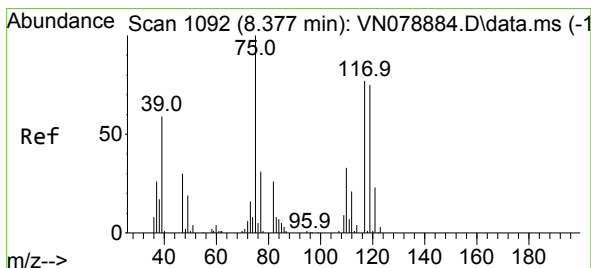
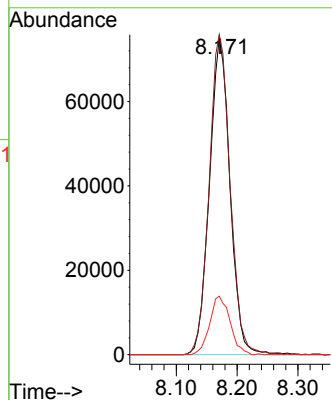
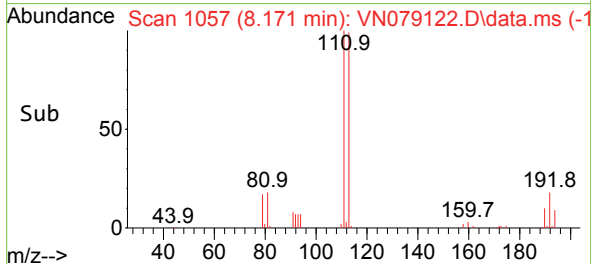


#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

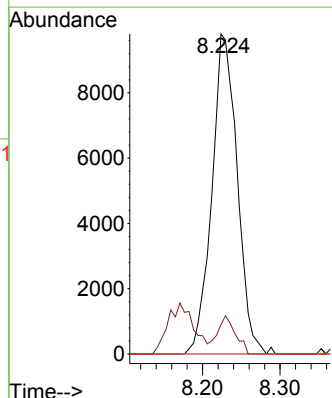
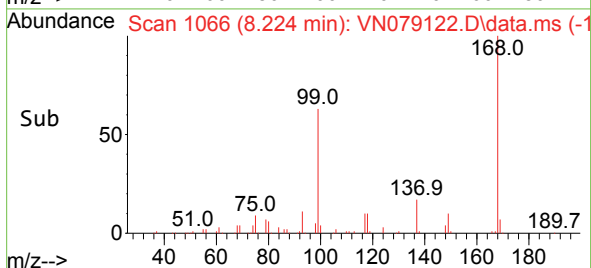
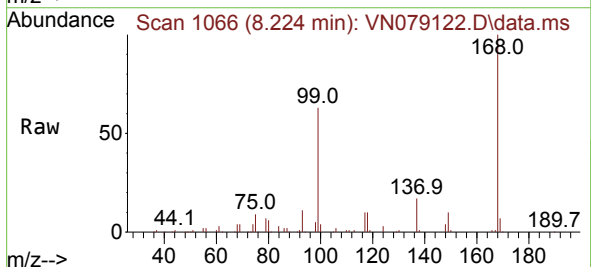


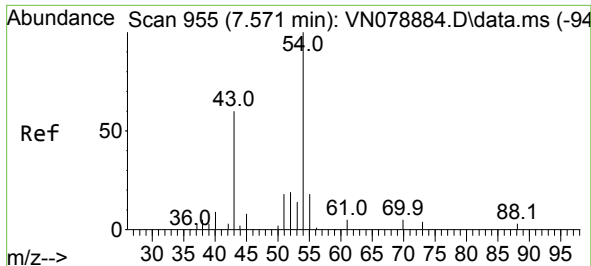
Tgt Ion:113 Resp: 175887
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.232 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 75 Resp: 22302
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.025 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

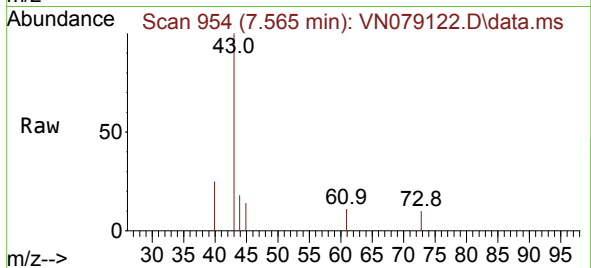
Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

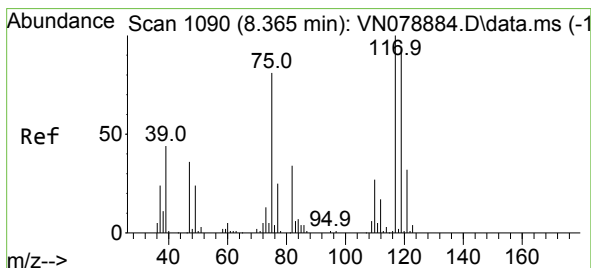
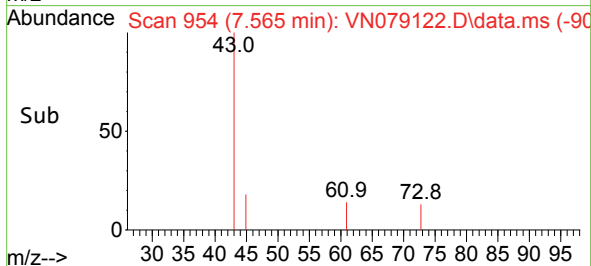
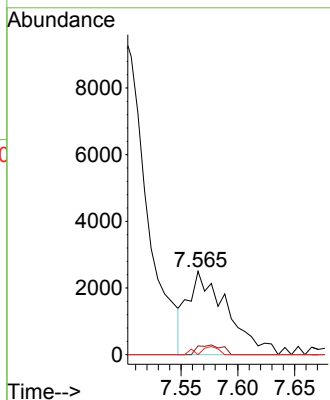
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	6046
Ion	Ratio	Lower	Upper
43	100		
61	7.3	13.2	19.8#
70	4.5	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.295 ug/l

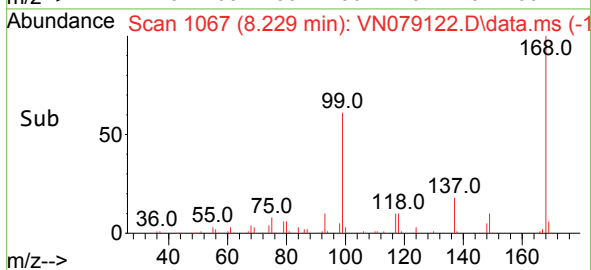
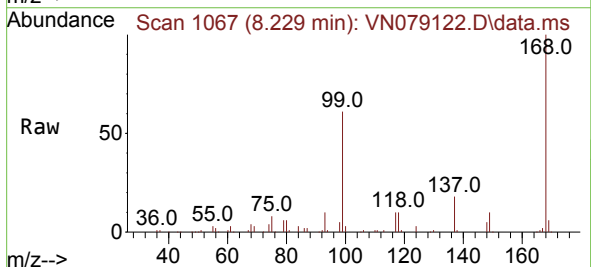
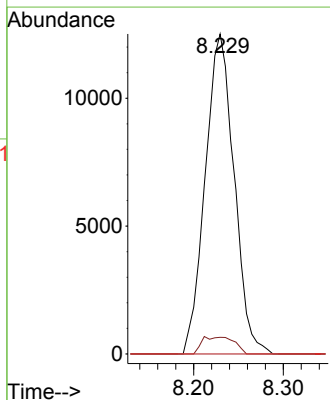
RT: 8.229 min Scan# 1067

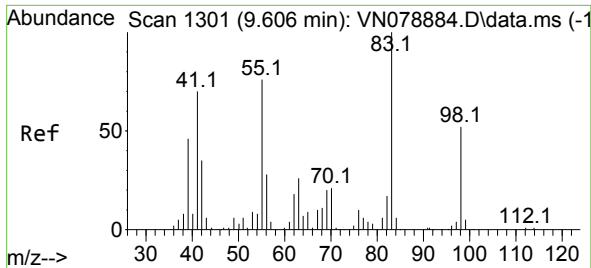
Delta R.T. -0.142 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Tgt Ion:	117	Resp:	27957
Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.3	115.9#
121	0.0	23.3	34.9#





#39

Methylcyclohexane

Concen: 0.334 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

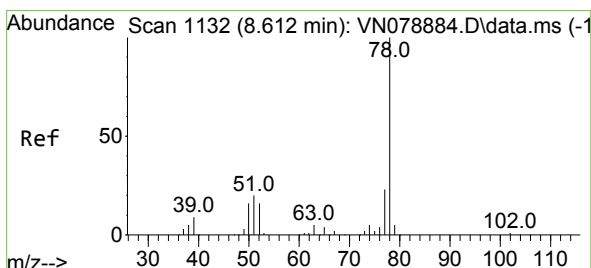
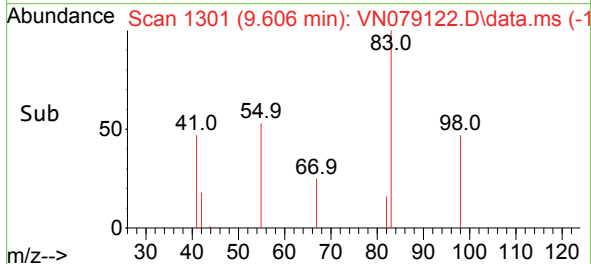
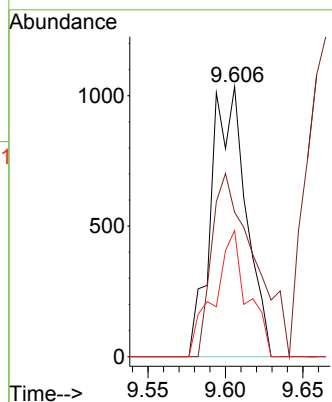
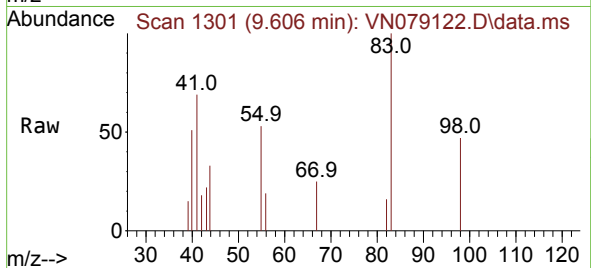
Tgt Ion: 83 Resp: 1618

Ion Ratio Lower Upper

83 100

55 53.4 49.1 73.7

98 46.7 40.6 61.0



#40

Benzene

Concen: 64.302 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079122.D

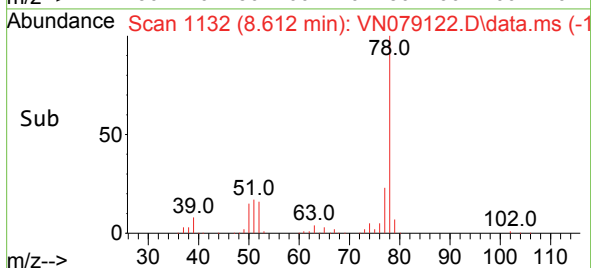
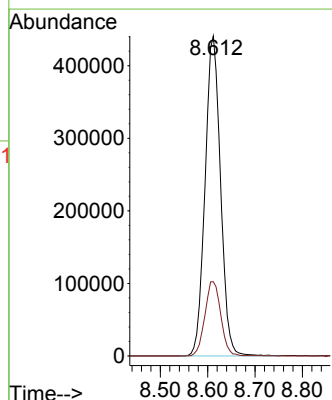
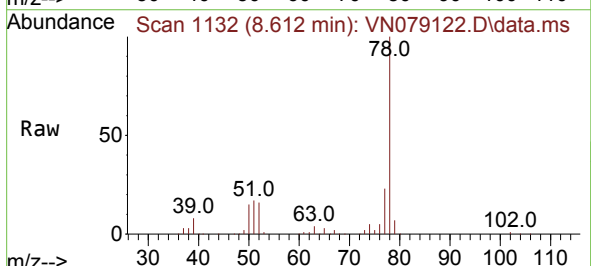
Acq: 01 Sep 2023 14:58

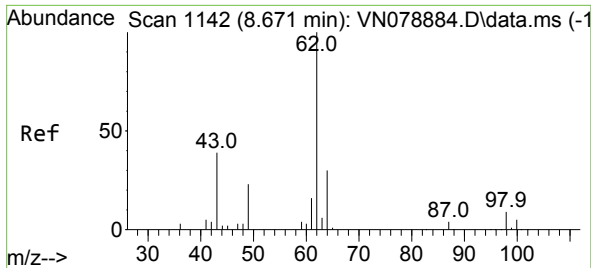
Tgt Ion: 78 Resp: 1001526

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.6





#42

1,2-Dichloroethane

Concen: 0.240 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

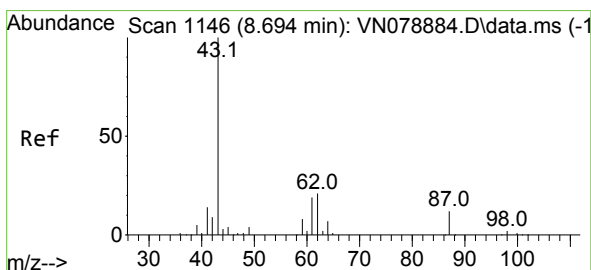
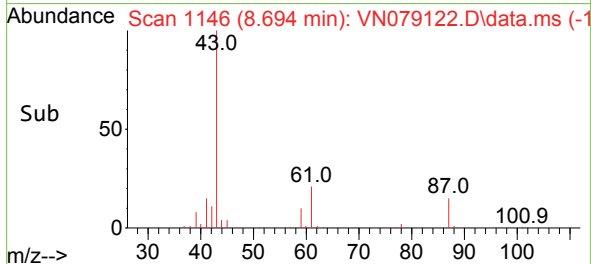
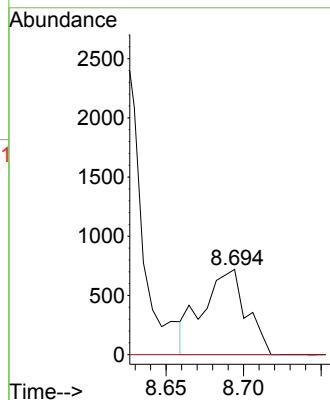
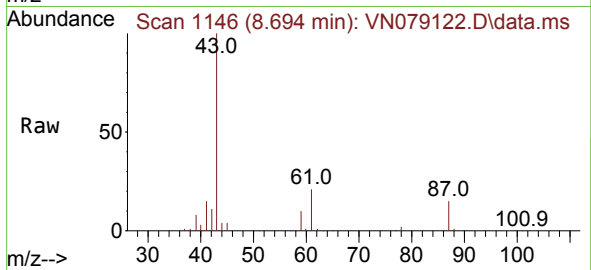
ClientSampleId :

Tgt Ion: 62 Resp: 1399

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 17.052 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

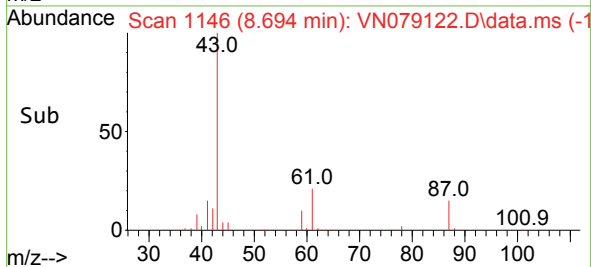
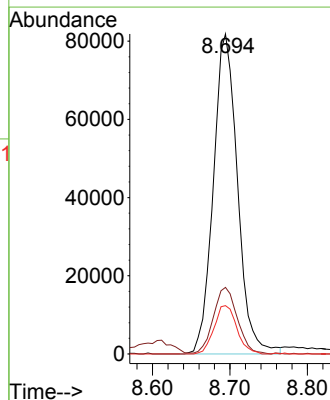
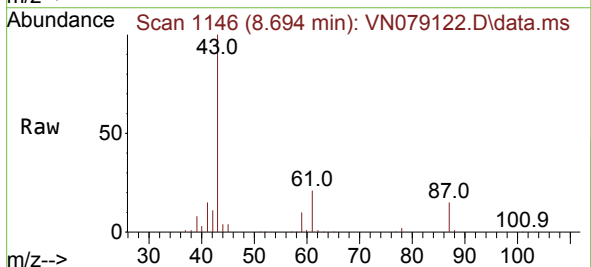
Tgt Ion: 43 Resp: 177689

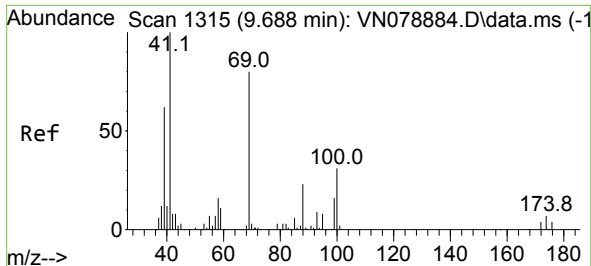
Ion Ratio Lower Upper

43 100

61 20.5 24.7 37.1#

87 14.2 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.403 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

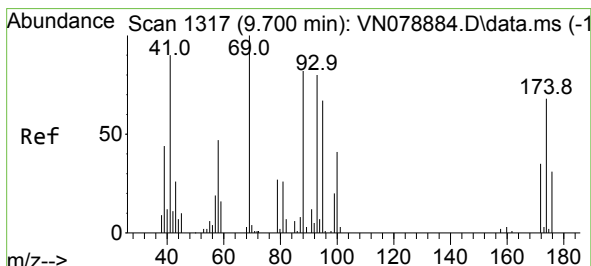
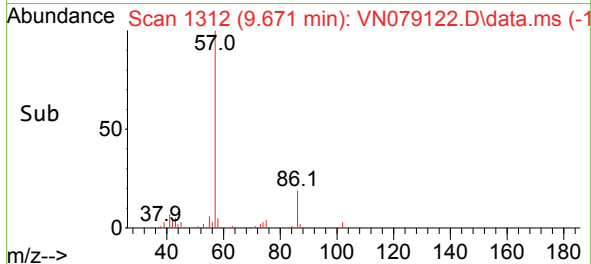
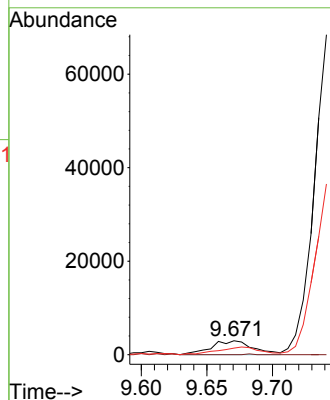
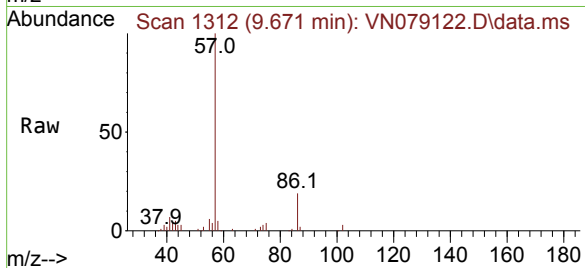
Tgt Ion: 41 Resp: 6623

Ion Ratio Lower Upper

41 100

69 0.8 90.4 135.6#

39 55.9 54.6 81.8



#49

1,4-Dioxane

Concen: 1.629 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.047 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

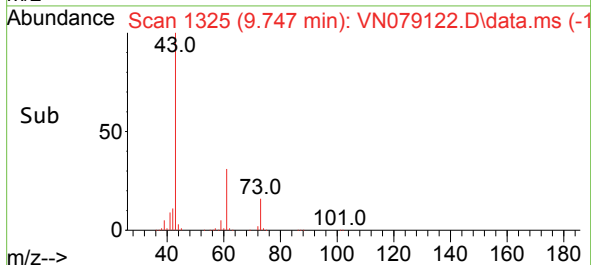
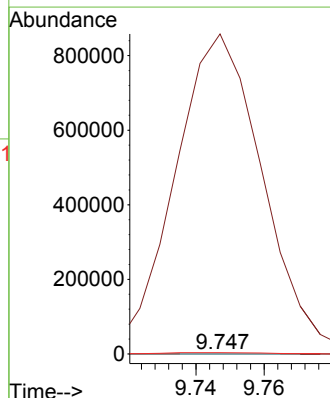
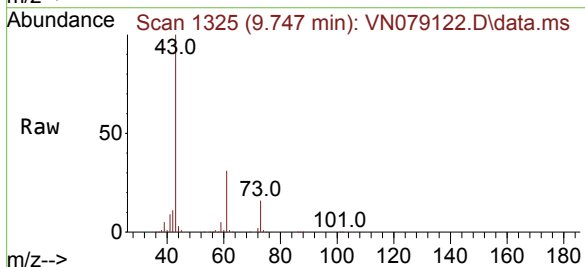
Tgt Ion: 88 Resp: 131

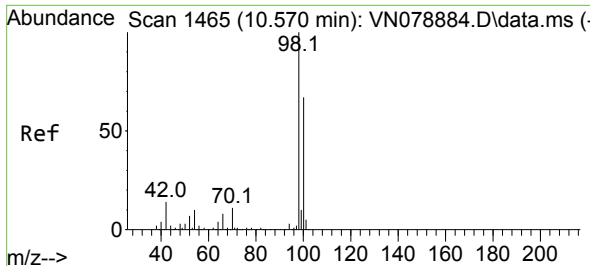
Ion Ratio Lower Upper

88 100

43 1194549.6 17.0 25.6#

58 5757.3 47.0 70.4#

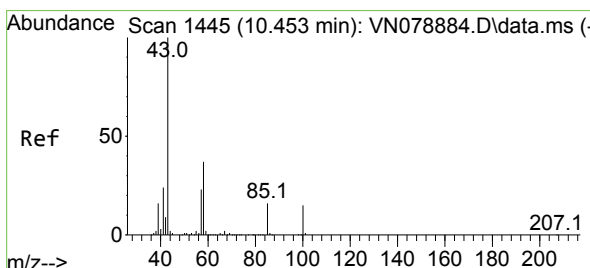
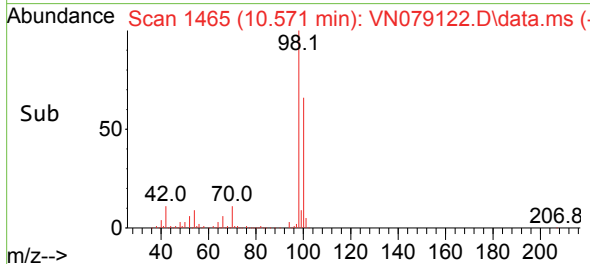
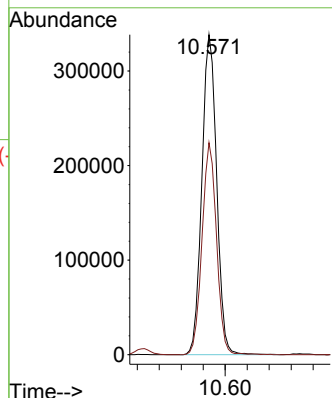
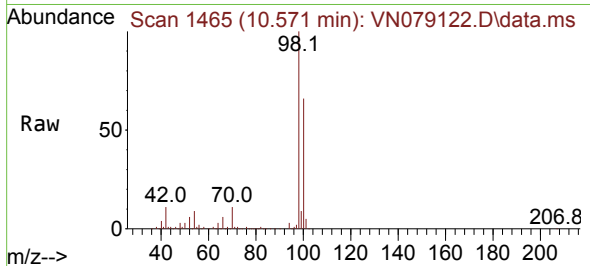




#50
Toluene-d8
Concen: 48.546 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

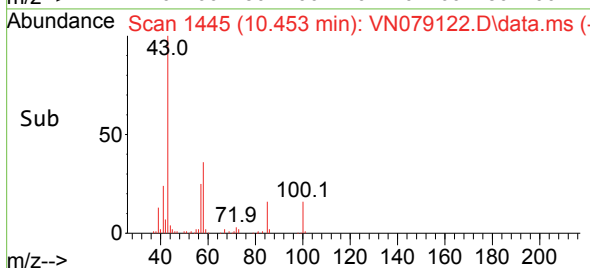
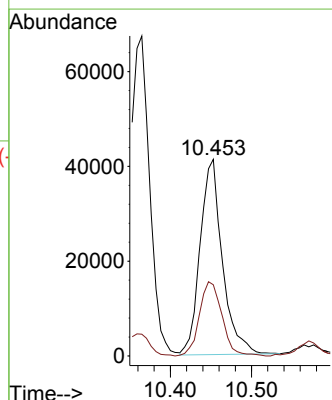
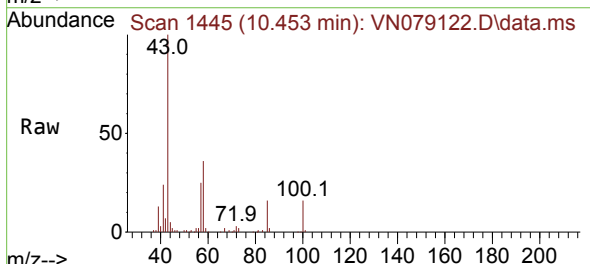
Instrument :
MSVOA_N
ClientSampleId :

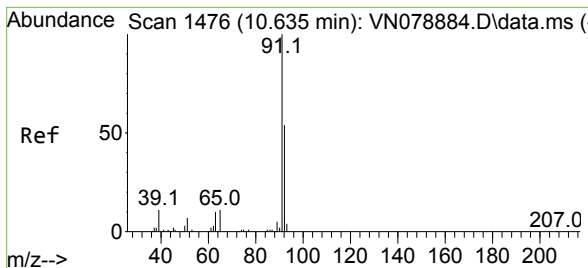
Tgt Ion: 98 Resp: 631440
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 12.724 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 43 Resp: 78639
Ion Ratio Lower Upper
43 100
58 38.5 36.6 54.8





#52

Toluene

Concen: 78.748 ug/l

RT: 10.635 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

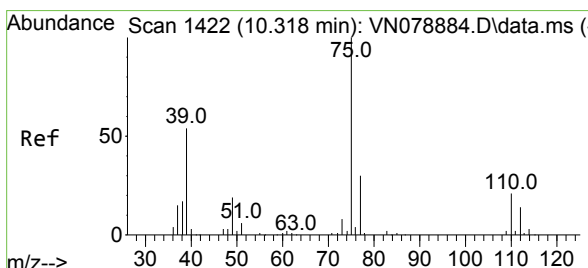
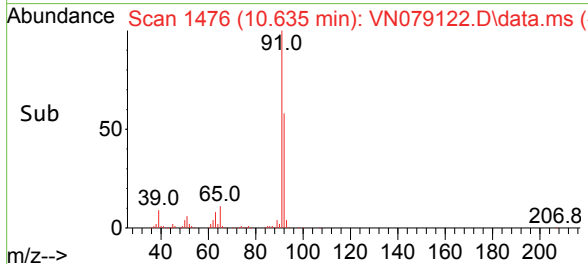
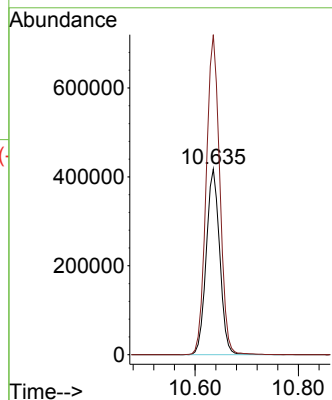
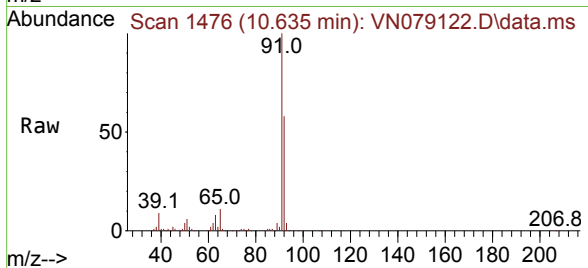
ClientSampleId :

Tgt Ion: 92 Resp: 753039

Ion Ratio Lower Upper

92 100

91 173.7 137.4 206.0



#54

cis-1,3-Dichloropropene

Concen: 9.360 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

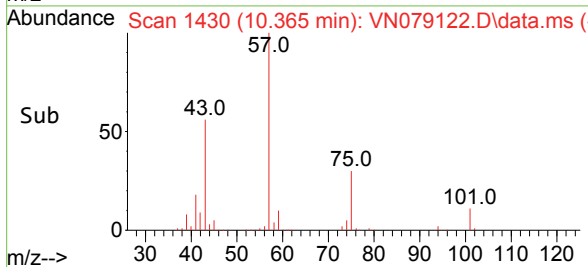
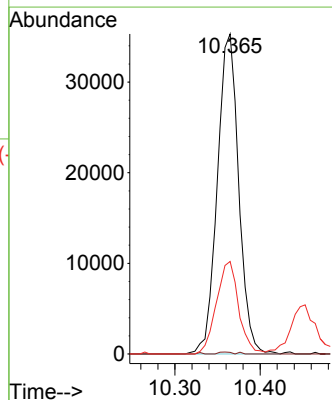
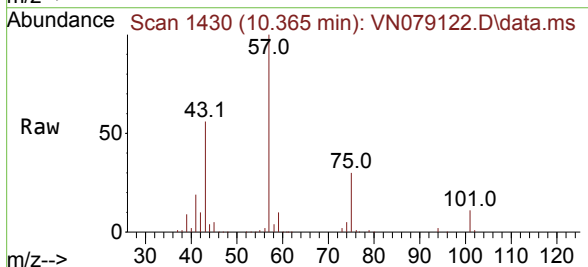
Tgt Ion: 75 Resp: 61401

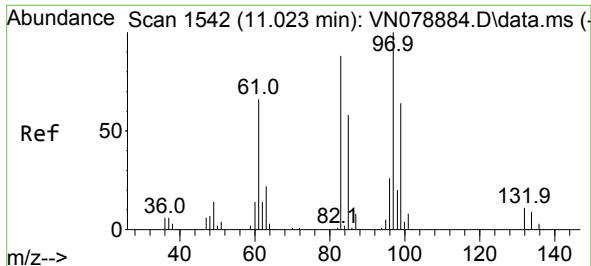
Ion Ratio Lower Upper

75 100

77 0.5 26.1 39.1#

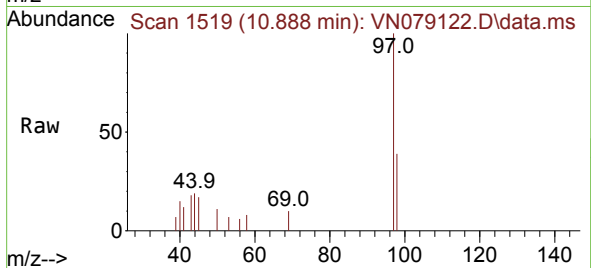
39 27.9 31.6 47.4#



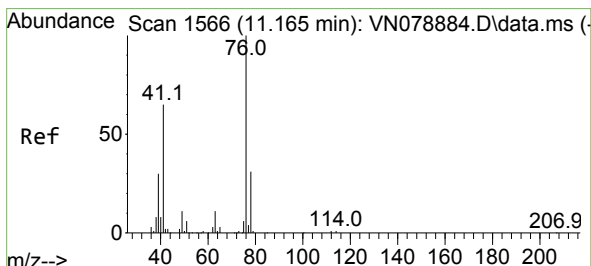
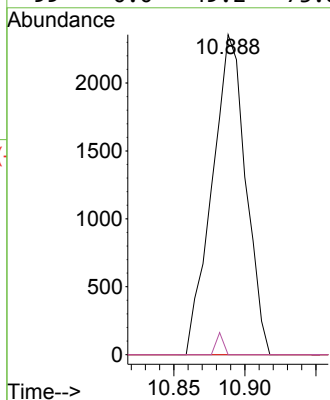
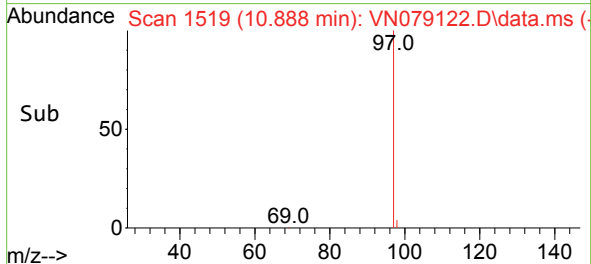


#55
 1,1,2-Trichloroethane
 Concen: 1.010 ug/l
 RT: 10.888 min Scan# 1519
 Delta R.T. -0.136 min
 Lab File: VN079122.D
 Acq: 01 Sep 2023 14:58

Instrument :
 MSVOA_N
 ClientSampleId :

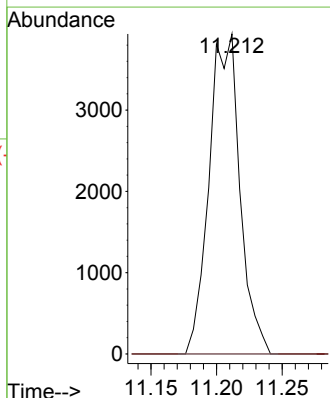
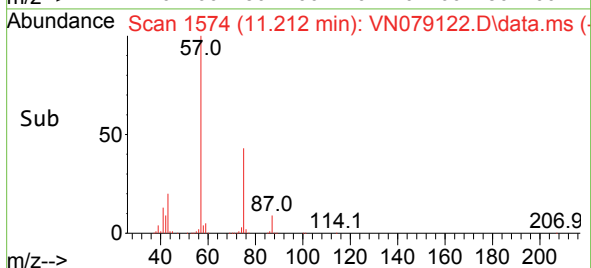
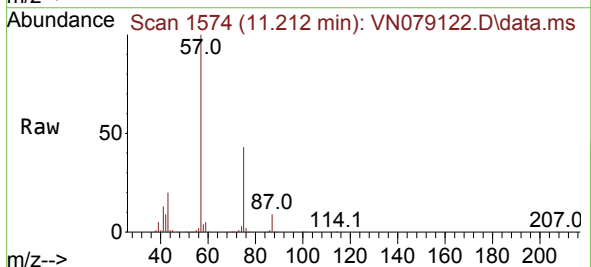


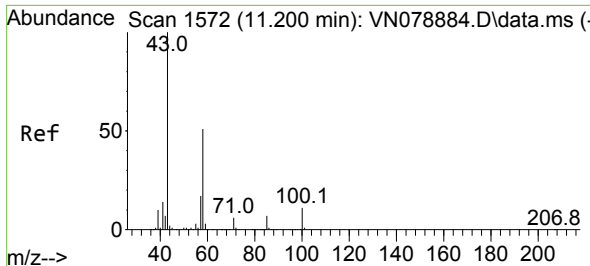
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.1	97.7#
85	0.0	43.4	65.2#
99	0.0	49.2	73.8#



#57
 1,3-Dichloropropane
 Concen: 0.934 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN079122.D
 Acq: 01 Sep 2023 14:58

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

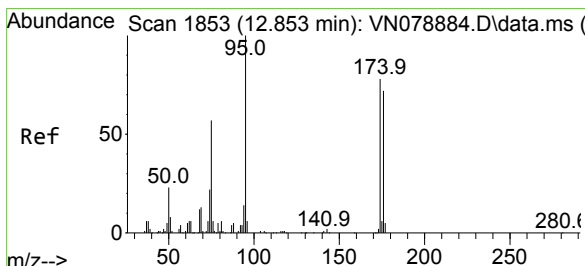
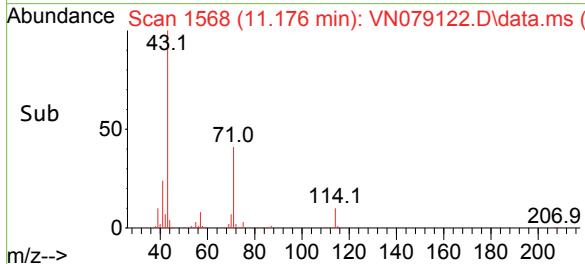
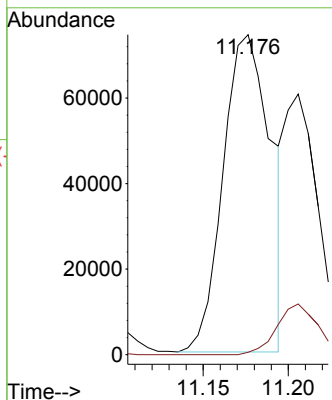
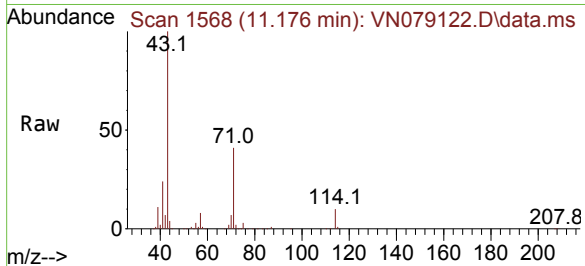




#59
2-Hexanone
Concen: 32.307 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

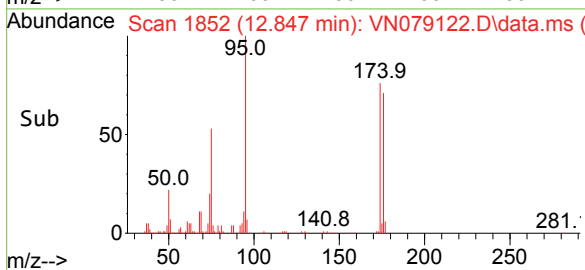
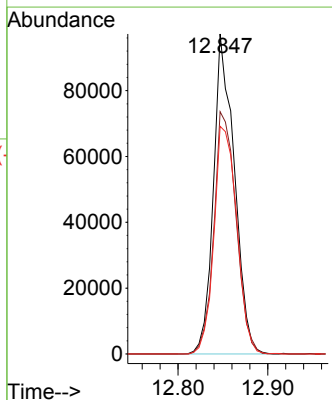
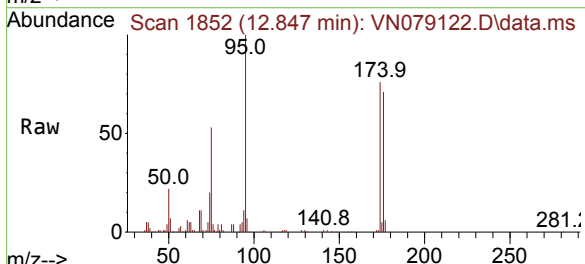
Instrument :
MSVOA_N
ClientSampleId :

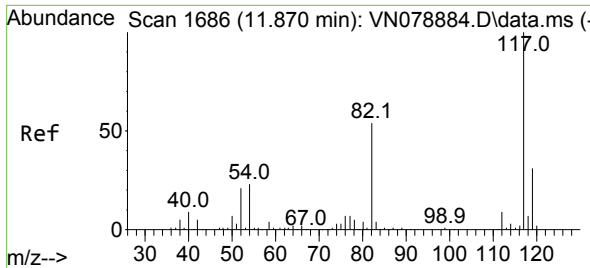
Tgt Ion: 43 Resp: 144624
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 36.885 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 95 Resp: 156817
Ion Ratio Lower Upper
95 100
174 80.6 0.0 143.8
176 77.8 0.0 135.8

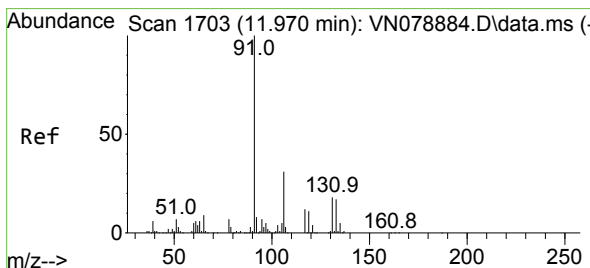
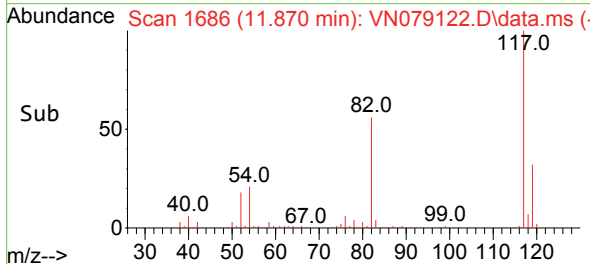
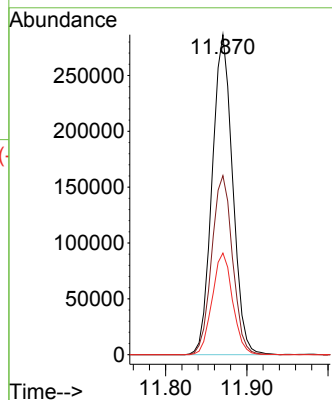
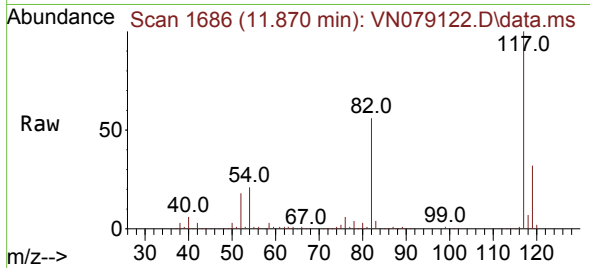




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

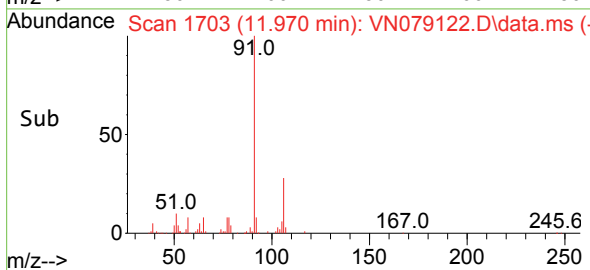
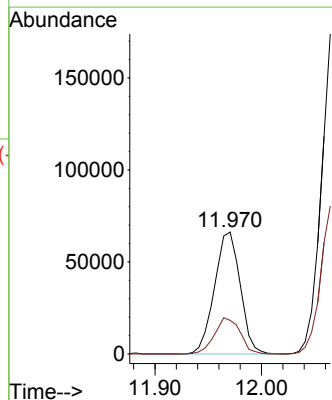
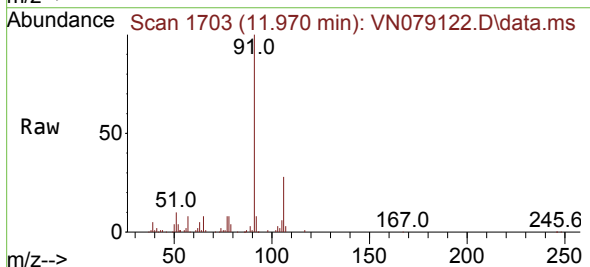
Instrument :
MSVOA_N
ClientSampleId :

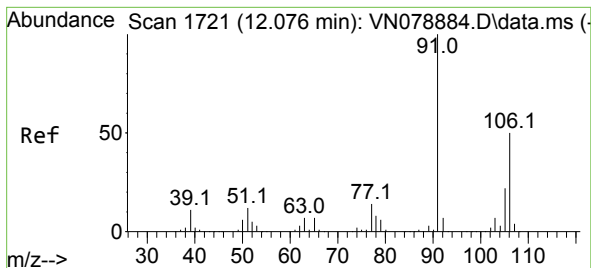
Tgt Ion:117 Resp: 501645
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 31.7 25.6 38.4



#67
Ethyl Benzene
Concen: 5.717 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 91 Resp: 111013
Ion Ratio Lower Upper
91 100
106 27.6 25.6 38.4

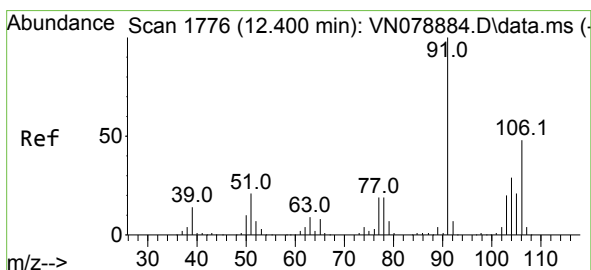
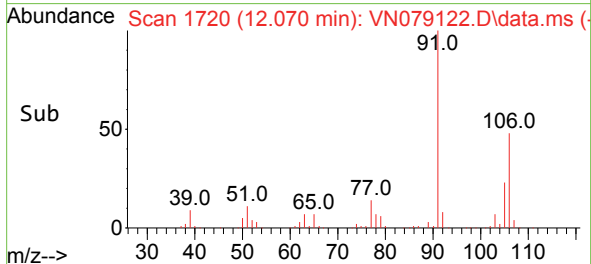
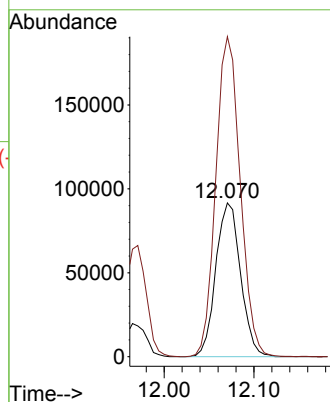
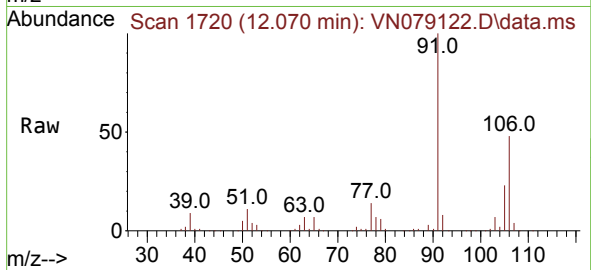




#68
m/p-Xylenes
Concen: 24.149 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

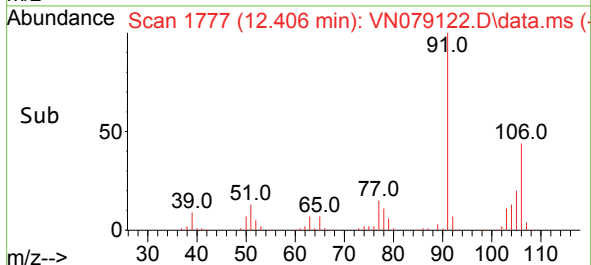
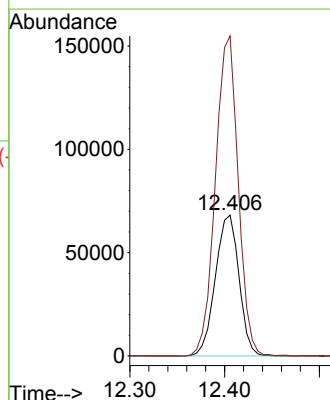
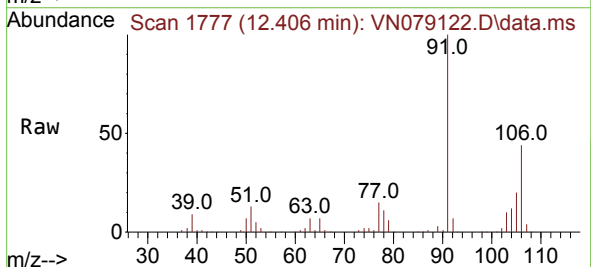
Instrument :
MSVOA_N
ClientSampleId :

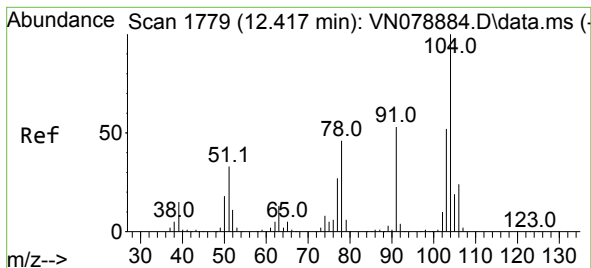
Tgt Ion:106 Resp: 175329
Ion Ratio Lower Upper
106 100
91 205.6 159.6 239.4



#69
o-Xylene
Concen: 16.711 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion:106 Resp: 118022
Ion Ratio Lower Upper
106 100
91 219.8 105.2 315.5





#70

Styrene

Concen: 3.648 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

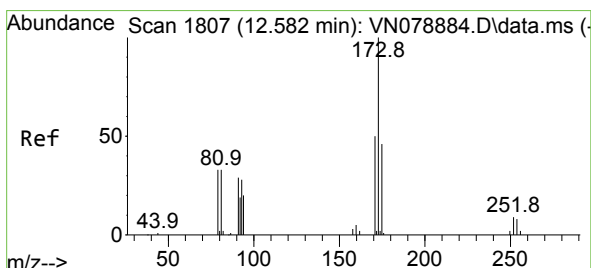
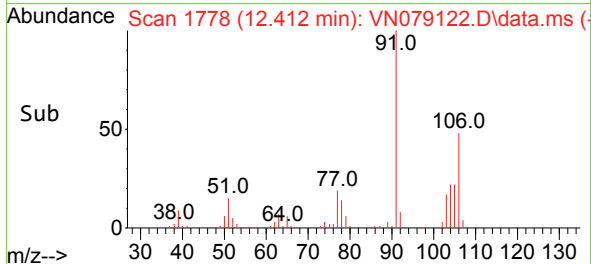
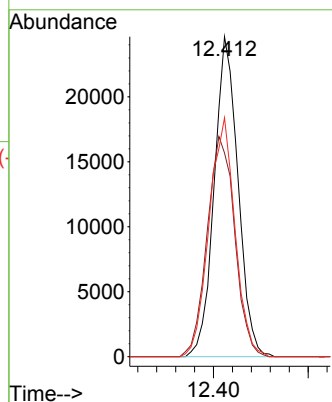
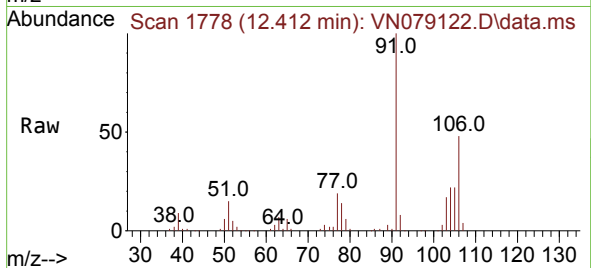
Tgt Ion:104 Resp: 42961

Ion Ratio Lower Upper

104 100

78 79.8 39.5 59.3#

103 81.3 43.2 64.8#



#71

Bromoform

Concen: 0.349 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

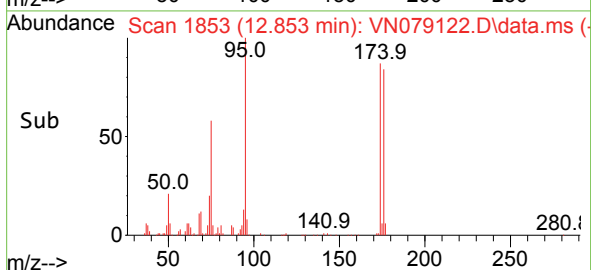
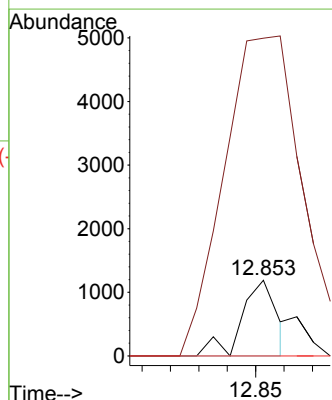
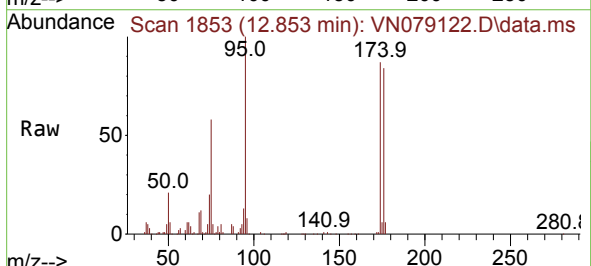
Tgt Ion:173 Resp: 1025

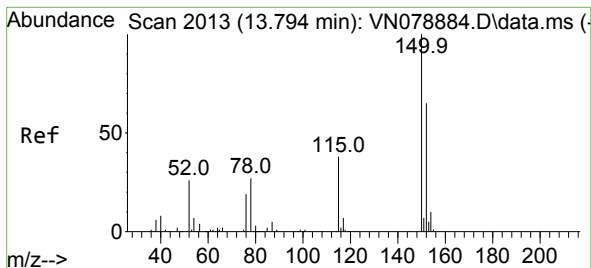
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

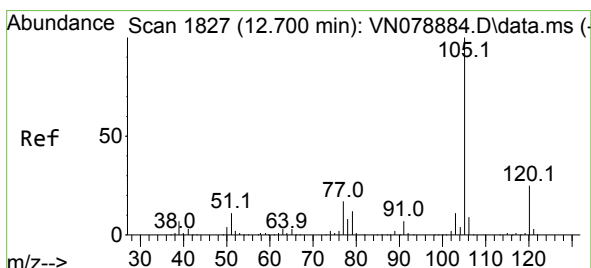
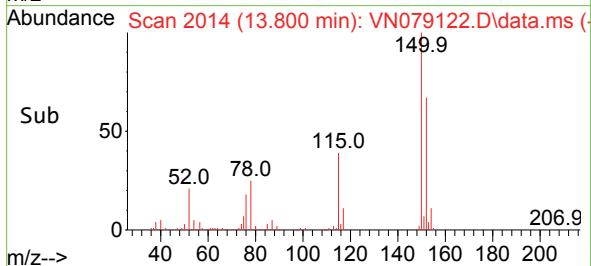
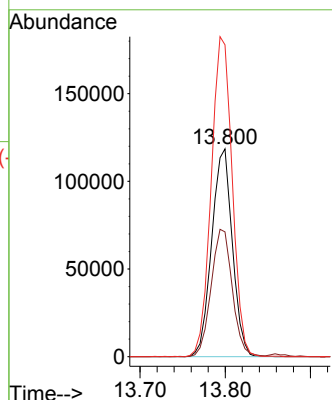
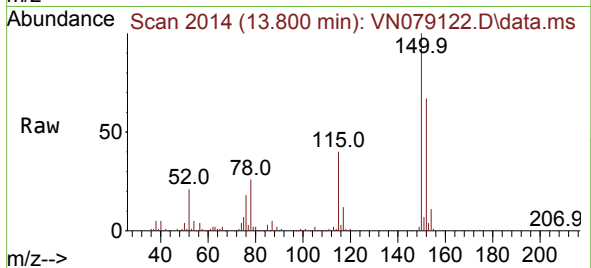
Tgt Ion:152 Resp: 200098

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 156.0 0.0 355.8



#73

Isopropylbenzene

Concen: 0.236 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN079122.D

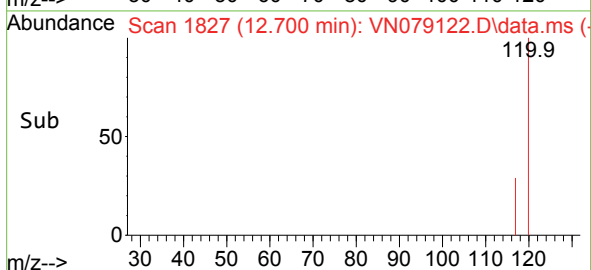
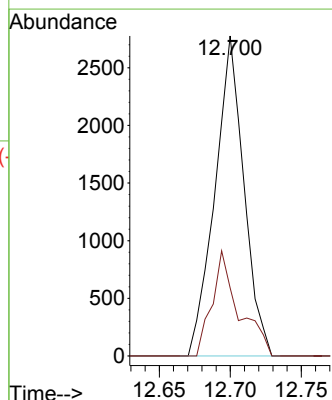
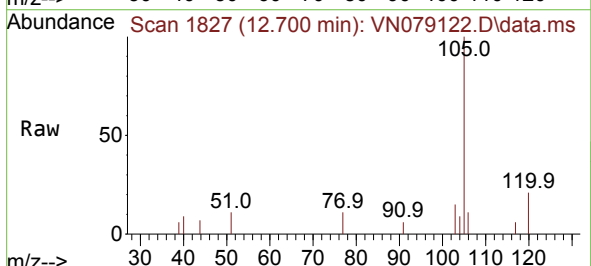
Acq: 01 Sep 2023 14:58

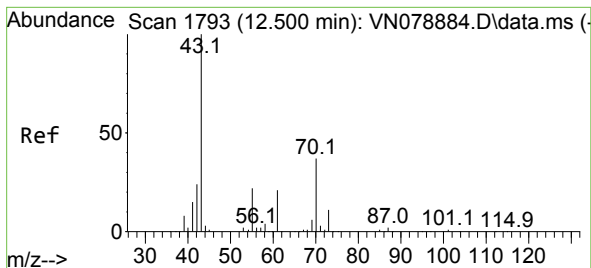
Tgt Ion:105 Resp: 3935

Ion Ratio Lower Upper

105 100

120 30.5 13.1 39.1





#74

N-amy1 acetate

Concen: 0.489 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.035 min

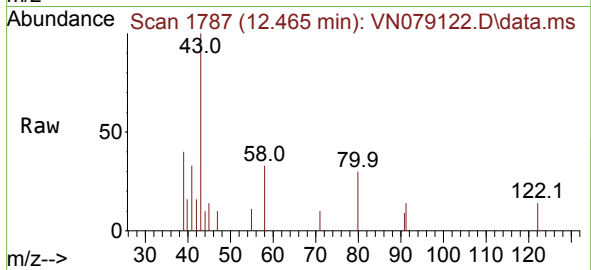
Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4119

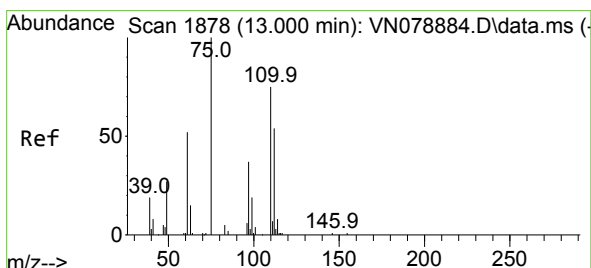
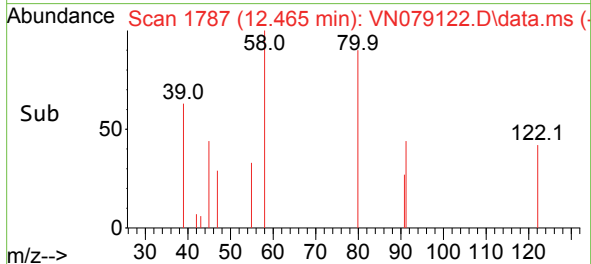
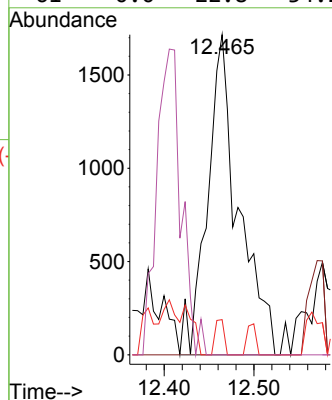
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 3.2 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 17.171 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.153 min

Lab File: VN079122.D

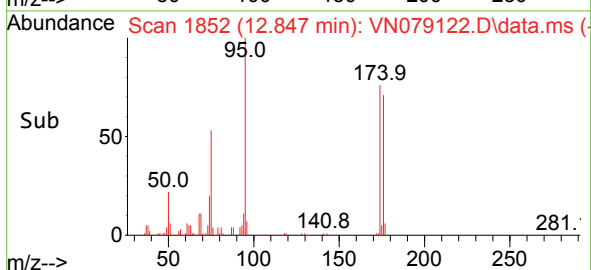
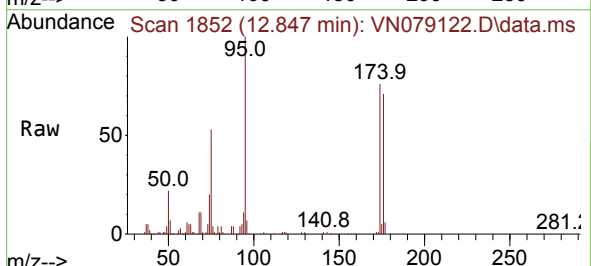
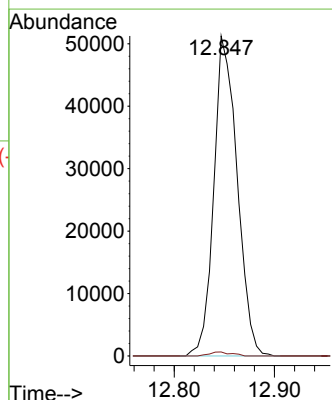
Acq: 01 Sep 2023 14:58

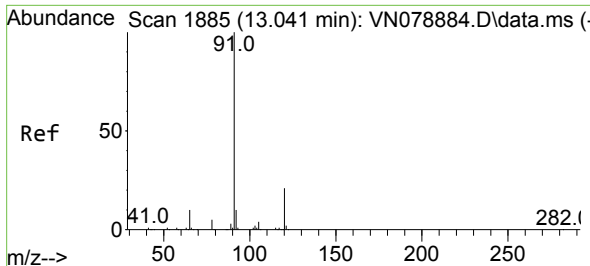
Tgt Ion: 75 Resp: 82787

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

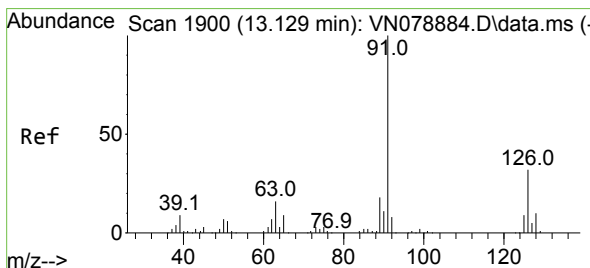
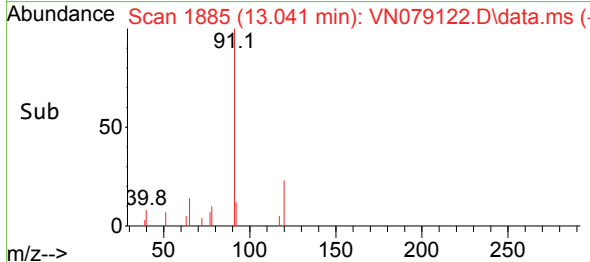
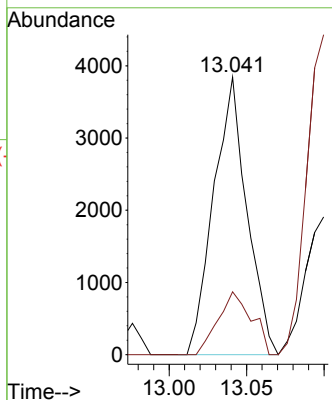
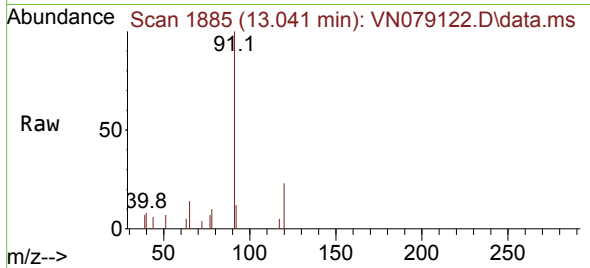




#78
n-propylbenzene
Concen: 0.297 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

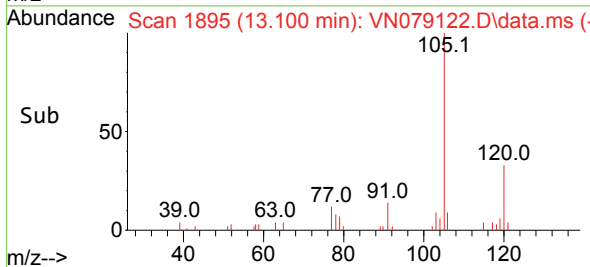
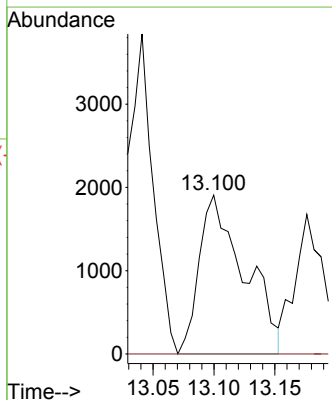
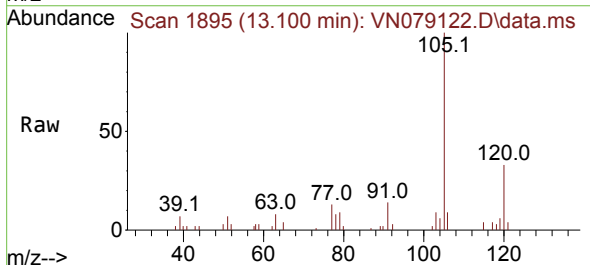
Instrument :
MSVOA_N
ClientSampleId :

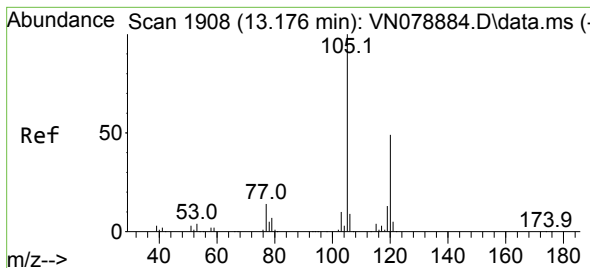
Tgt Ion: 91 Resp: 5739
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.410 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.029 min
Lab File: VN079122.D
Acq: 01 Sep 2023 14:58

Tgt Ion: 91 Resp: 4920
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 1.754 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

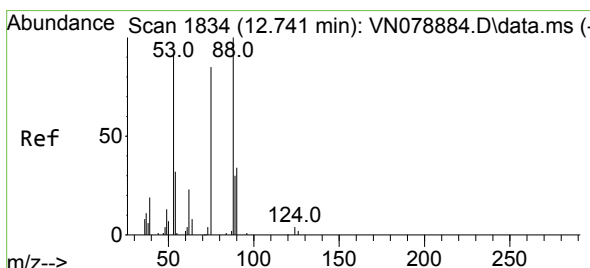
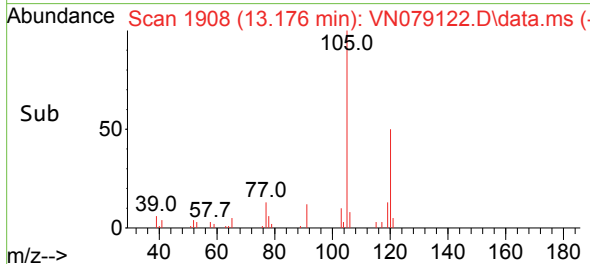
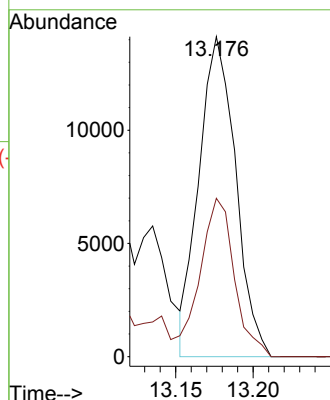
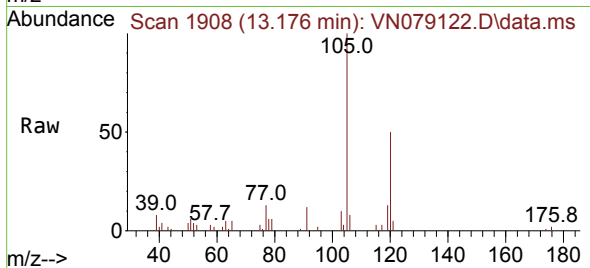
ClientSampleId :

Tgt Ion:105 Resp: 23185

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 43.864 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

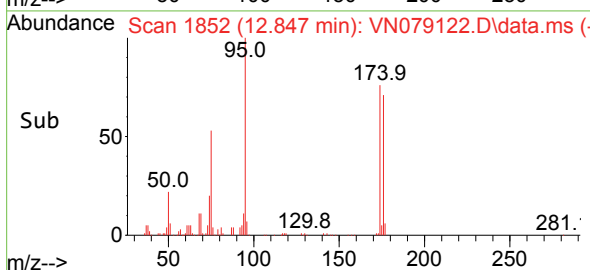
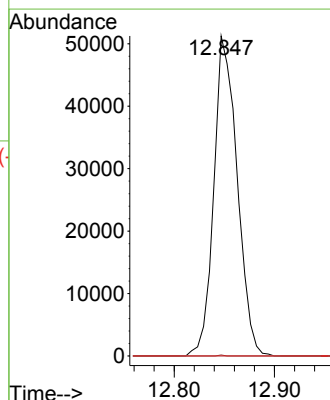
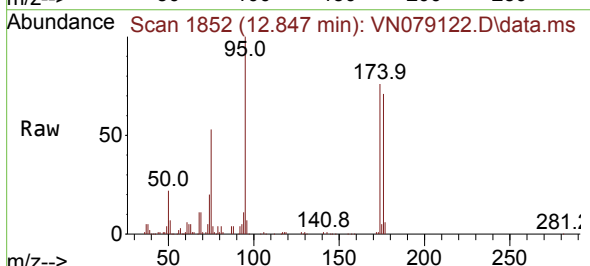
Tgt Ion: 75 Resp: 82787

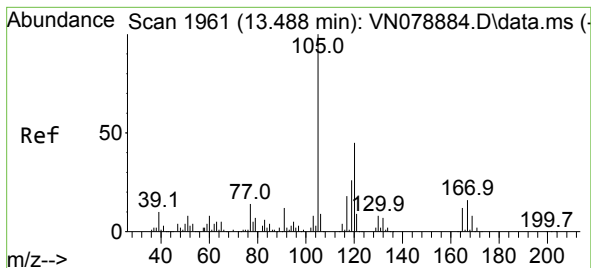
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 7.704 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

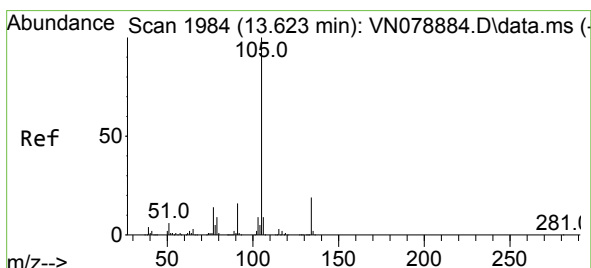
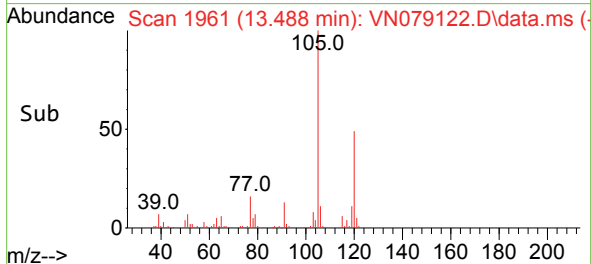
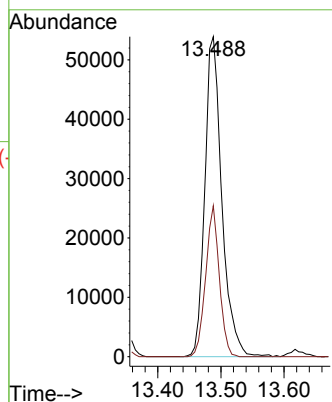
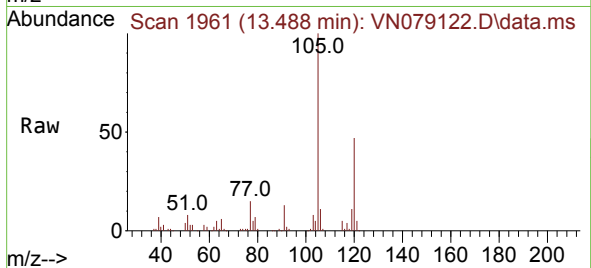
ClientSampleId :

Tgt Ion:105 Resp: 100864

Ion Ratio Lower Upper

105 100

120 37.8 22.0 66.0



#85

sec-Butylbenzene

Concen: 6.597 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.135 min

Lab File: VN079122.D

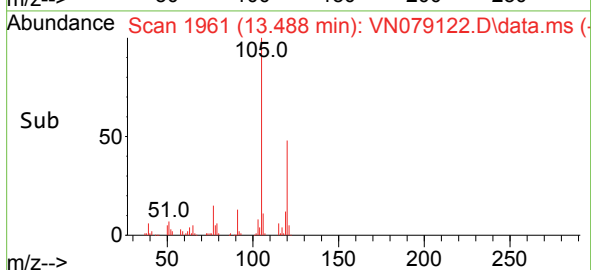
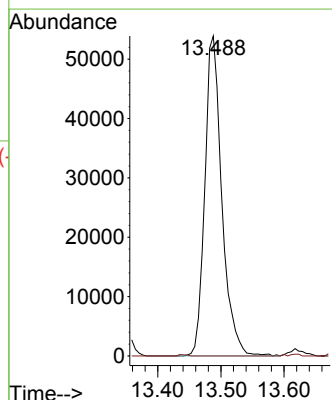
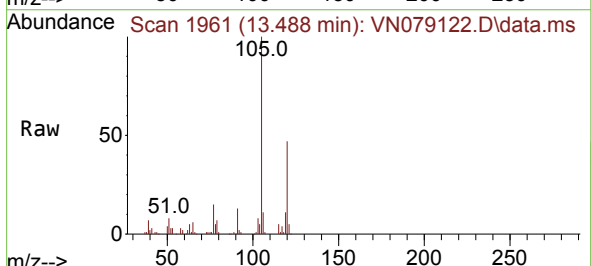
Acq: 01 Sep 2023 14:58

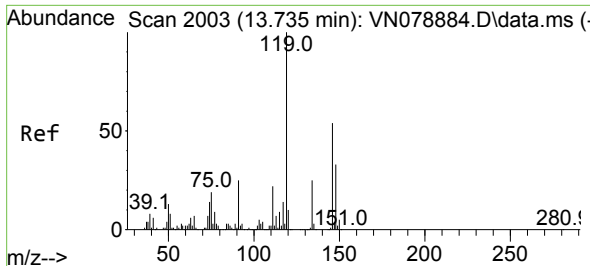
Tgt Ion:105 Resp: 100864

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#

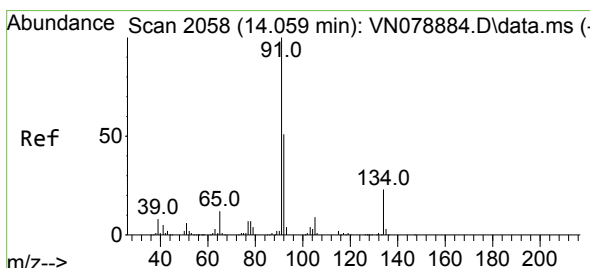
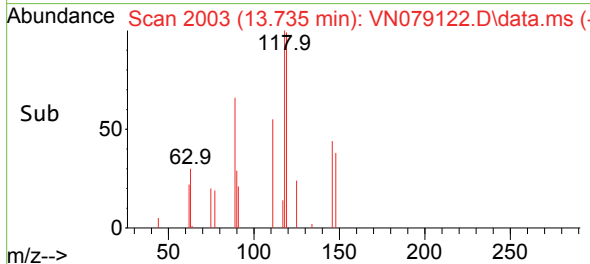
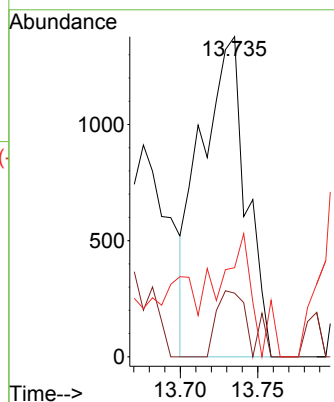
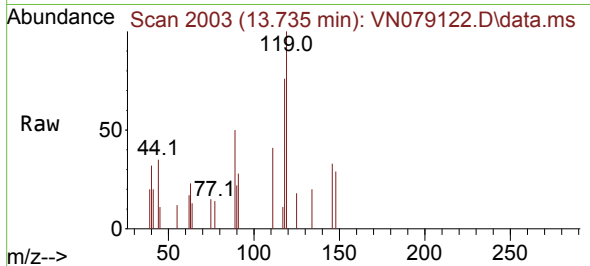




#86
 p-Isopropyltoluene
 Concen: 0.230 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079122.D
 Acq: 01 Sep 2023 14:58

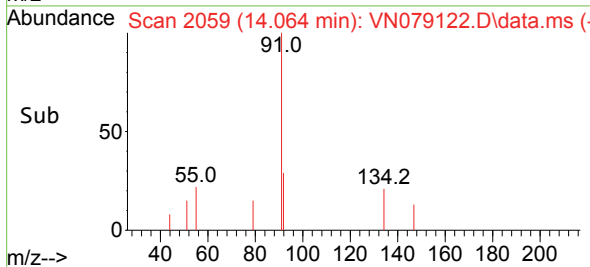
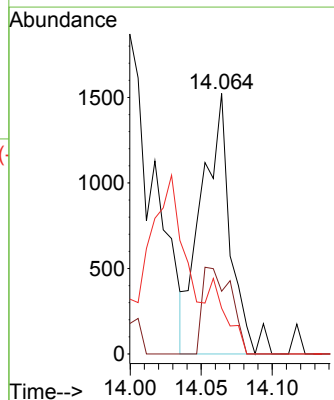
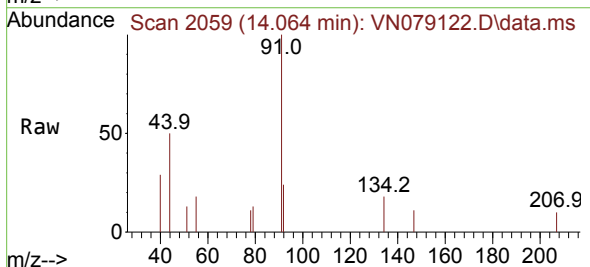
Instrument :
 MSVOA_N
 ClientSampleId :

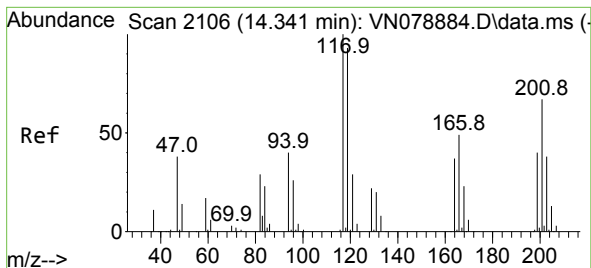
Tgt Ion:	119	Resp:	2806
Ion	Ratio	Lower	Upper
119	100		
134	14.8	12.6	37.8
91	30.0	12.4	37.2



#89
 n-Butylbenzene
 Concen: 0.215 ug/l
 RT: 14.064 min Scan# 2059
 Delta R.T. 0.005 min
 Lab File: VN079122.D
 Acq: 01 Sep 2023 14:58

Tgt Ion:	91	Resp:	2157
Ion	Ratio	Lower	Upper
91	100		
92	32.6	26.4	79.0
134	0.0	12.6	37.6#





#90

Hexachloroethane

Concen: 0.488 ug/l

RT: 14.406 min Scan# 2117

Delta R.T. 0.071 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

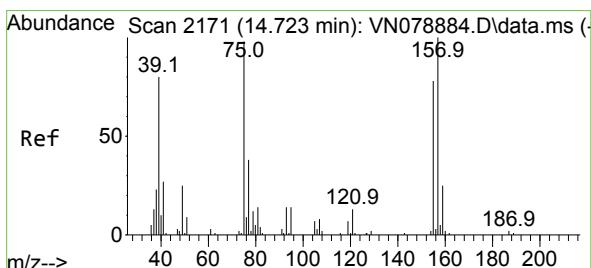
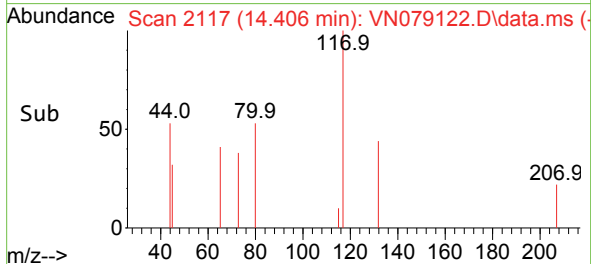
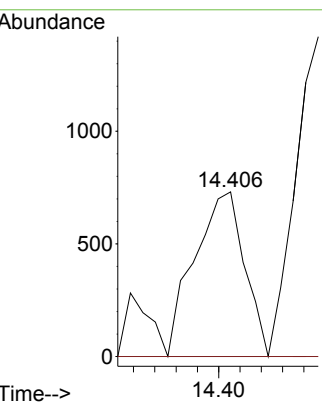
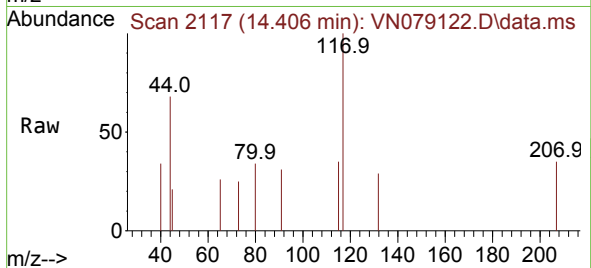
ClientSampleId :

Tgt Ion:117 Resp: 1196

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.559 min Scan# 2143

Delta R.T. -0.165 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

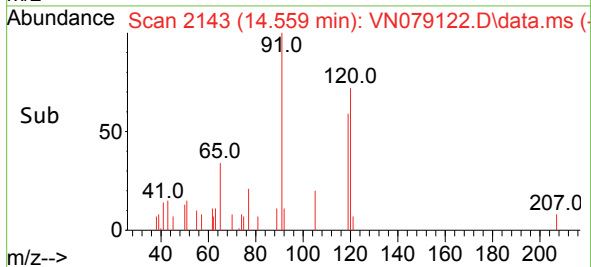
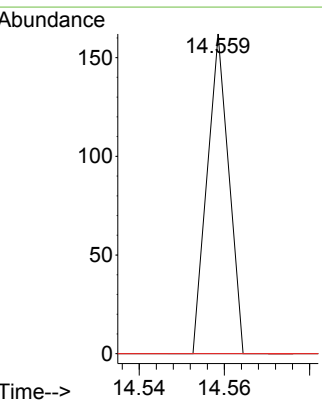
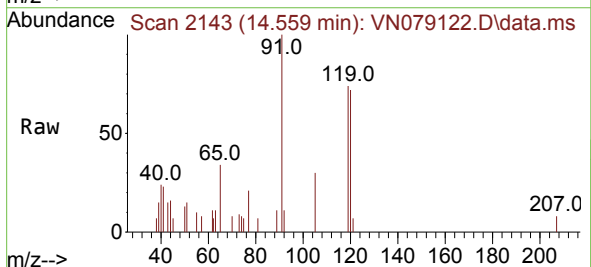
Tgt Ion: 75 Resp: 57

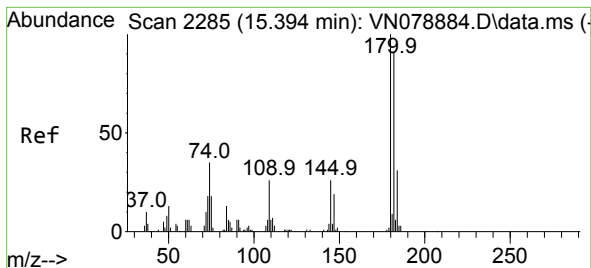
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

157 0.0 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.383 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

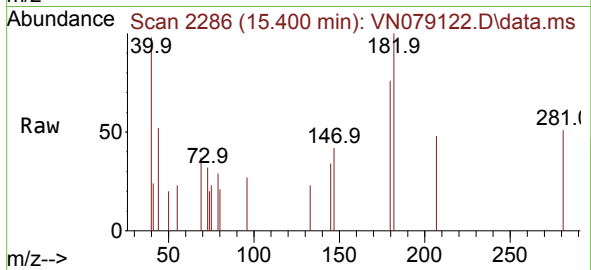
Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :



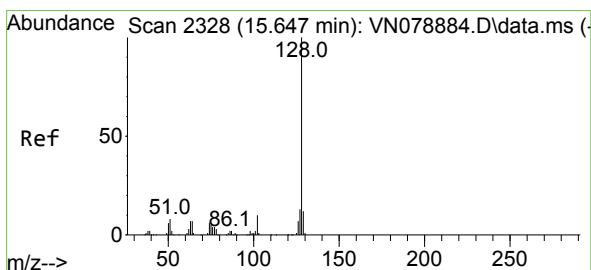
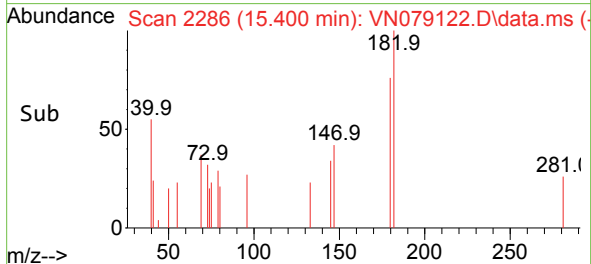
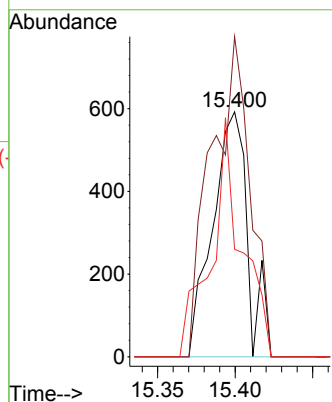
Tgt Ion:180 Resp: 931

Ion Ratio Lower Upper

180 100

182 144.4 46.1 138.2#

145 84.4 16.6 49.8#



#95

Naphthalene

Concen: 81.228 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079122.D

Acq: 01 Sep 2023 14:58

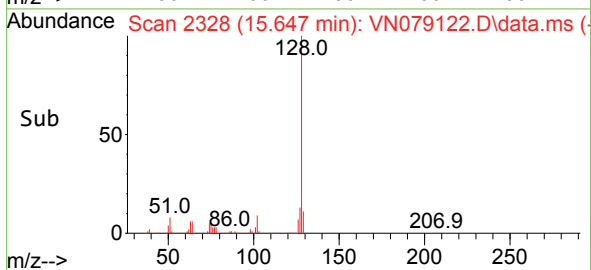
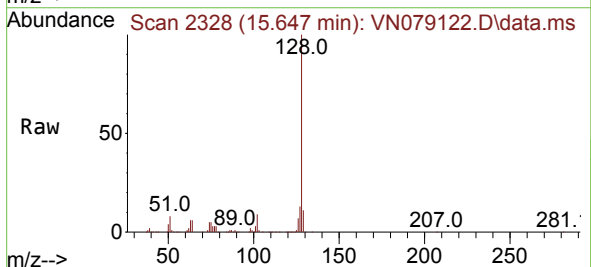
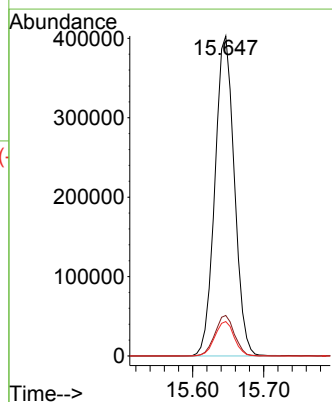
Tgt Ion:128 Resp: 764638

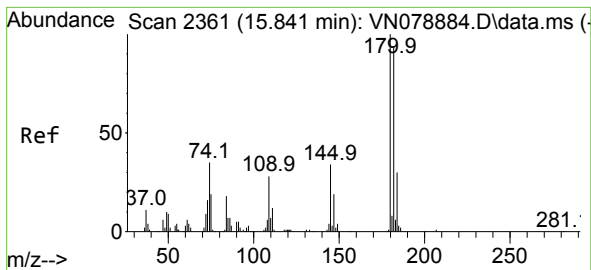
Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

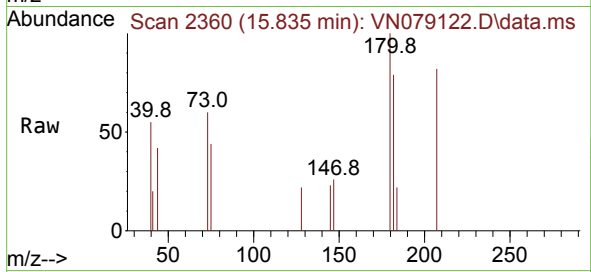
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.527 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN079122.D
 Acq: 01 Sep 2023 14:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1404
Ion	Ratio	Lower	Upper
180	100		
182	91.3	46.2	138.6
145	55.3	17.5	52.6#

