

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078500.D
 Acq On : 13 Jul 2023 15:49
 Operator : JC\MD
 Sample : 03610-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230712058-02-VOA

Quant Time: Jul 14 01:34:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	428592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	753129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	718697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	288506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	280342	48.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.580%
35) Dibromofluoromethane	8.177	113	281631	55.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.180%
50) Toluene-d8	10.571	98	879588	45.543	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.853	95	331388	55.705	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	1829	0.348	ug/l #	43
3) Chloromethane	2.377	50	1531	0.268	ug/l #	86
5) Bromomethane	2.983	94	1823	Below Cal		86
6) Chloroethane	3.124	64	2764	Below Cal	#	33
8) Diethyl Ether	3.971	74	23892	8.119	ug/l	71
11) Tert butyl alcohol	5.547	59	196840	222.165	ug/l	100
16) Acetone	4.453	43	16728	9.346	ug/l	92
19) Methyl tert-butyl Ether	5.818	73	4567	0.306	ug/l #	84
20) Methylene Chloride	5.289	84	278	Below Cal	#	40
25) 2-Butanone	7.512	43	1842	0.654	ug/l #	37
26) 2,2-Dichloropropane	7.447	77	20224	2.652	ug/l #	53
29) Tetrahydrofuran	7.853	42	266269	144.032	ug/l	86
31) Cyclohexane	8.241	56	11438	1.473	ug/l #	64
37) Ethyl Acetate	7.571	43	1297	0.211	ug/l #	63
38) Carbon Tetrachloride	8.230	117	46509	5.797	ug/l #	14
40) Benzene	8.612	78	28015	1.281	ug/l	98
41) Methacrylonitrile	7.853	41	157330	50.152	ug/l #	36
43) Isopropyl Acetate	8.688	43	3801	0.375	ug/l #	49
44) Trichloroethene	9.365	130	1724	0.292	ug/l	83
49) 1,4-Dioxane	9.706	88	18256	178.348	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	8601	1.427	ug/l #	49
52) Toluene	10.641	92	14691	1.084	ug/l	97
55) 1,1,2-Trichloroethane	10.918	97	1151	0.216	ug/l #	35
59) 2-Hexanone	11.300	43	2520	0.588	ug/l	88
65) Chlorobenzene	11.894	112	122365	7.617	ug/l	97
67) Ethyl Benzene	11.970	91	53574	1.973	ug/l	96
68) m/p-Xylenes	12.082	106	18597	1.852	ug/l	95
69) o-Xylene	12.406	106	23406	2.308	ug/l	90
70) Styrene	12.412	104	3984	0.251	ug/l #	7
71) Bromoform	12.847	173	1788	0.427	ug/l #	28
73) Isopropylbenzene	12.700	105	9417	0.347	ug/l	88
75) 1,1,1,2,2-Tetrachloroethane	12.935	83	486	Below Cal	#	71
76) 1,2,3-Trichloropropane	12.853	75	171937	24.656	ug/l #	1
77) Bromobenzene	12.982	156	78	Below Cal	#	1
79) 2-Chlorotoluene	13.135	91	10060	0.530	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.853	75	171937	64.790	ug/l #	15

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Sample : 03610-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

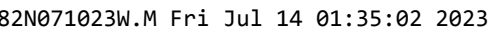
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

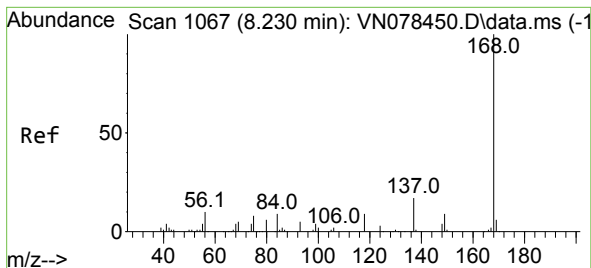
Quant Time: Jul 14 01:34:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.135	91	10060	0.568	ug/l	83
84) 1,2,4-Trimethylbenzene	13.488	105	24243	1.165	ug/l	94
86) p-Isopropyltoluene	13.735	119	5990	0.325	ug/l	94
87) 1,3-Dichlorobenzene	13.817	146	52379	5.033	ug/l	93
88) 1,4-Dichlorobenzene	13.817	146	52379	4.997	ug/l	91
90) Hexachloroethane	14.341	117	1150	Below Cal	#	21
91) 1,2-Dichlorobenzene	14.106	146	3204	0.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.776	75	63	Below Cal	#	4
95) Naphthalene	15.641	128	18629	1.649	ug/l	# 93

(#) = 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# 10

Delta R.T. 0.005 min

Lab File: VN078500.D

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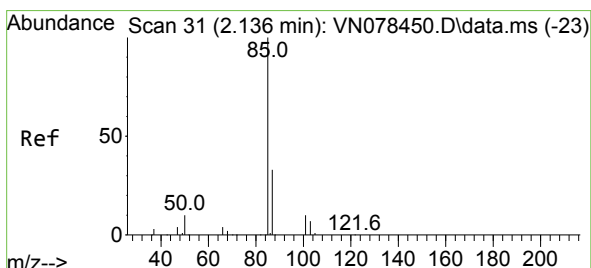
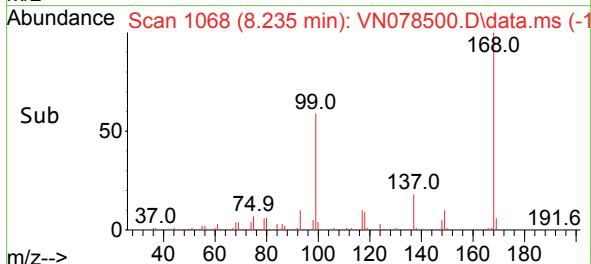
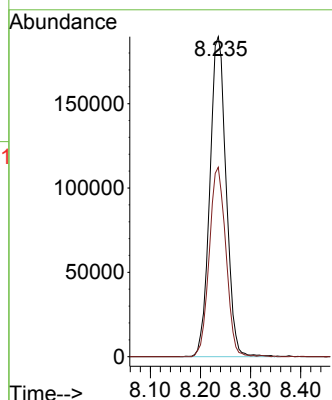
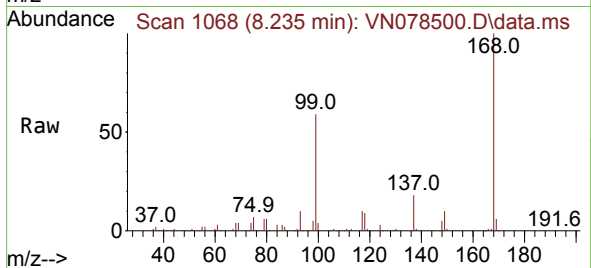
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Tgt Ion:168 Resp: 428592

Ion Ratio Lower Upper

168 100

99 59.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.348 ug/l

RT: 2.153 min Scan# 34

Delta R.T. 0.017 min

Lab File: VN078500.D

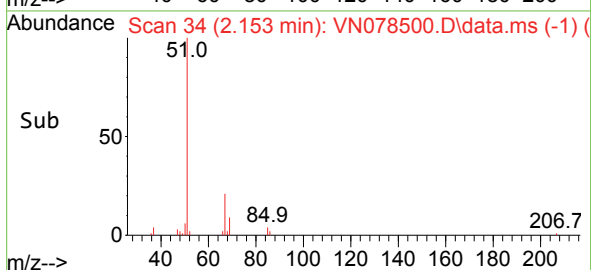
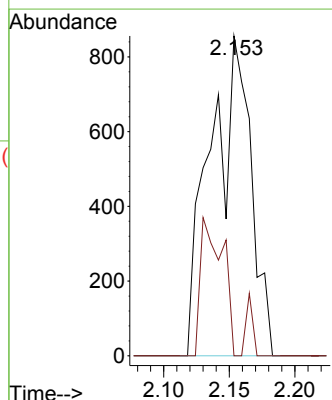
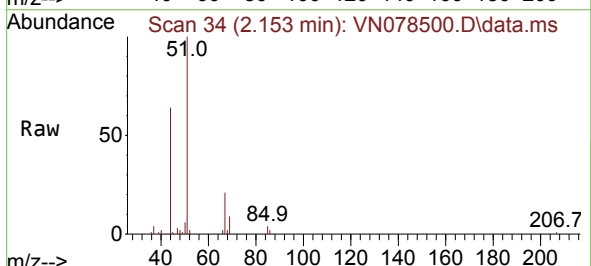
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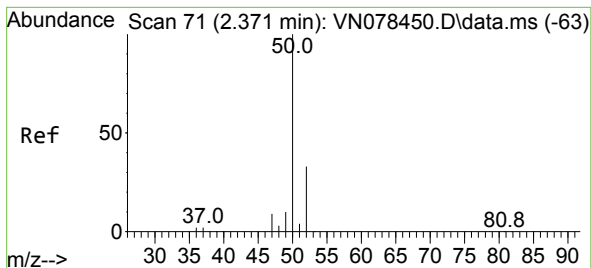
Tgt Ion: 85 Resp: 1829

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#





#3

Chloromethane

Concen: 0.268 ug/l

RT: 2.377 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

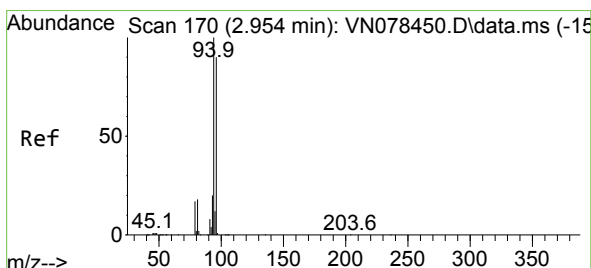
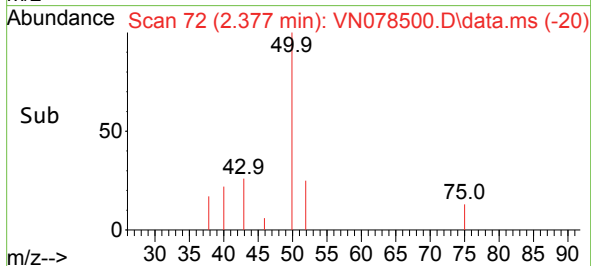
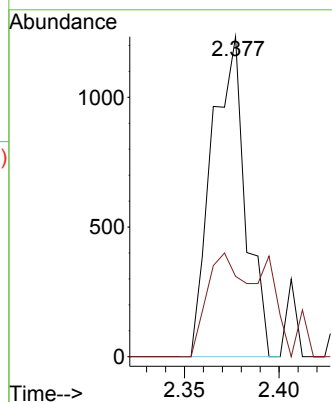
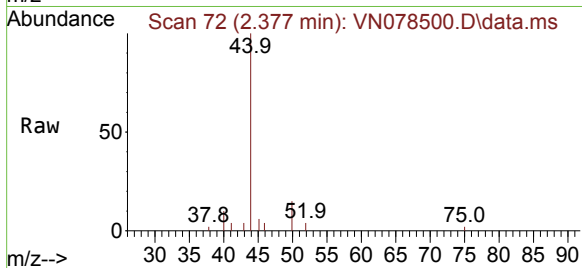
230712058-02-VOA

Tgt Ion: 50 Resp: 1531

Ion Ratio Lower Upper

50 100

52 25.1 26.5 39.7#



#5

Bromomethane

Concen: Below Cal

RT: 2.983 min Scan# 175

Delta R.T. 0.029 min

Lab File: VN078500.D

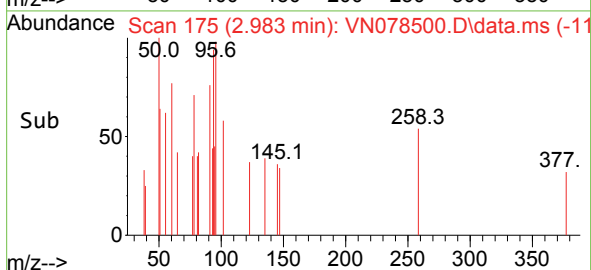
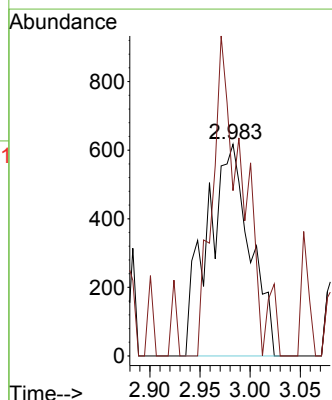
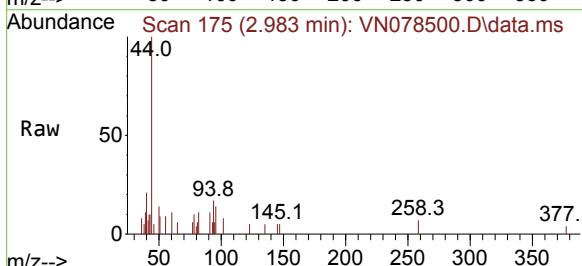
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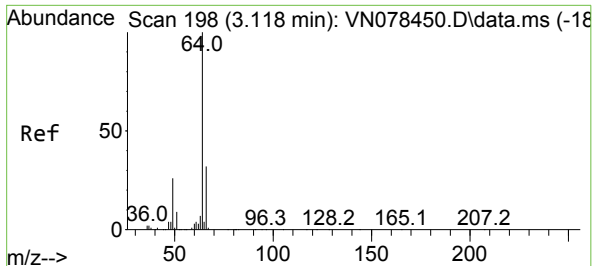
Tgt Ion: 94 Resp: 1823

Ion Ratio Lower Upper

94 100

96 78.1 73.1 109.7

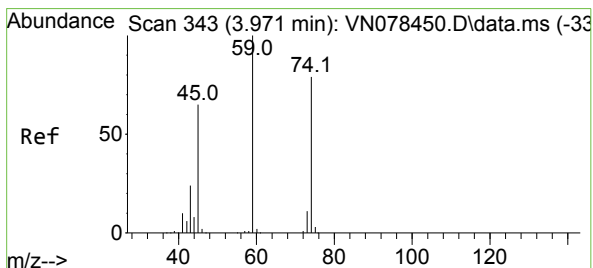
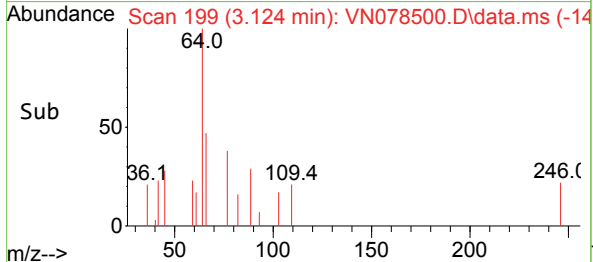
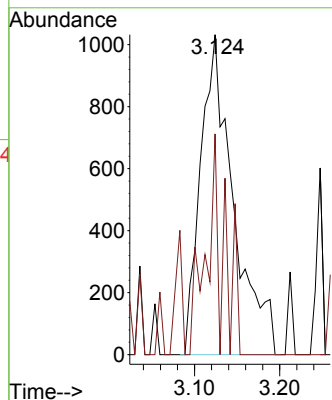
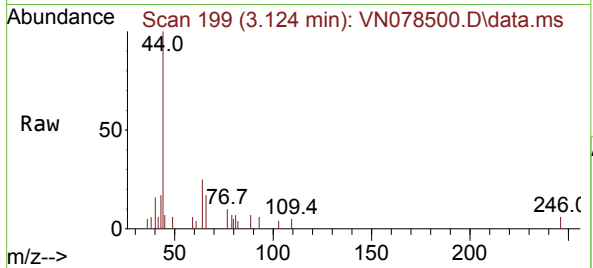




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

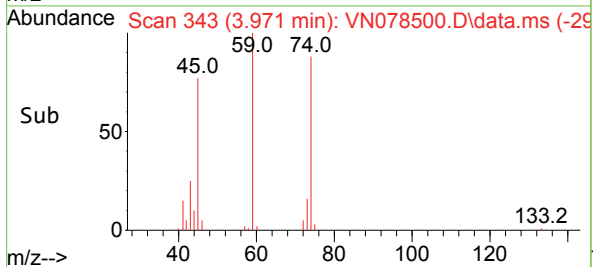
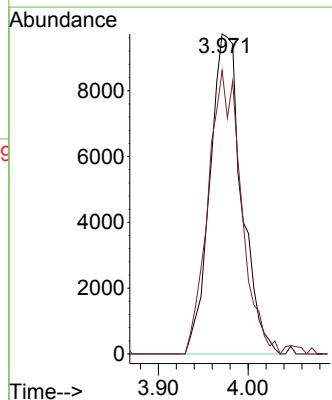
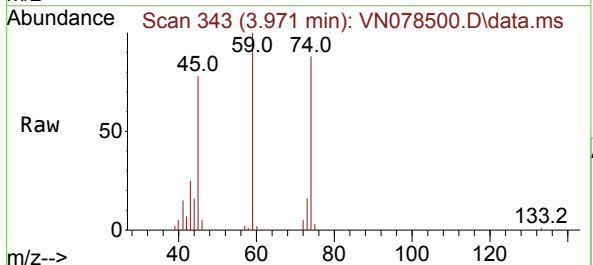
Instrument :
MSVOA_N
ClientSampleId :
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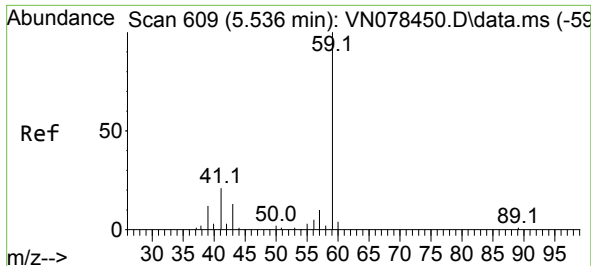
Tgt Ion: 64 Resp: 2764
Ion Ratio Lower Upper
64 100
66 69.0 25.4 38.2#



#8
Diethyl Ether
Concen: 8.119 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 74 Resp: 23892
Ion Ratio Lower Upper
74 100
45 92.4 34.4 103.3

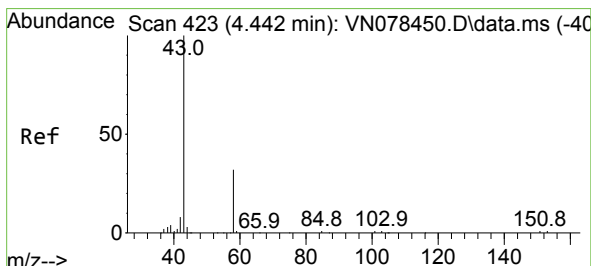
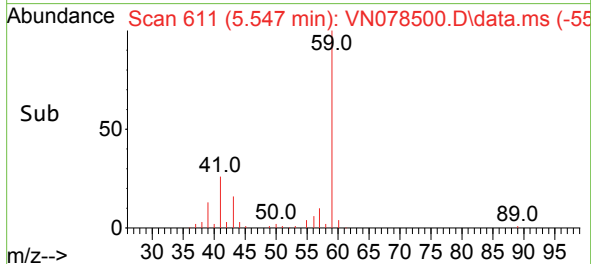
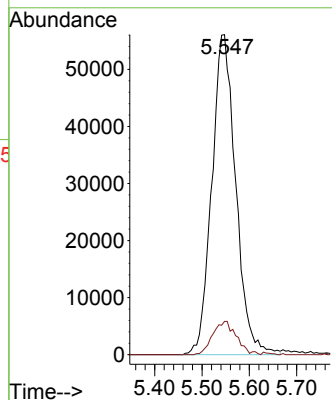
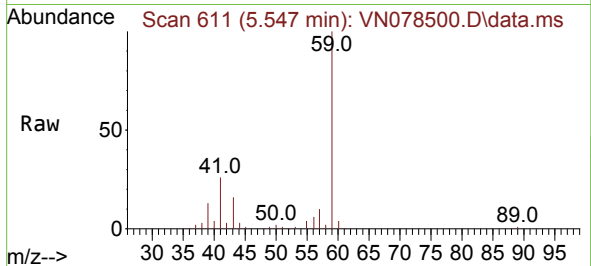




#11
Tert butyl alcohol
Concen: 222.165 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

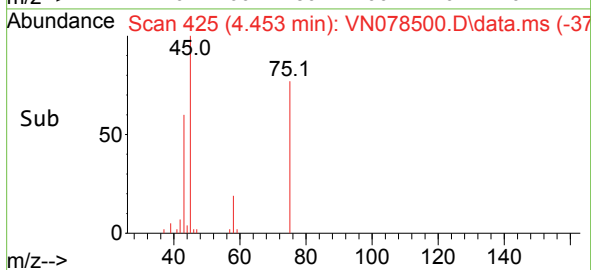
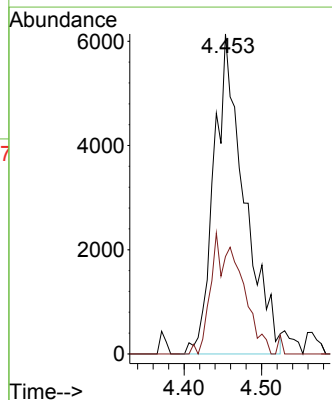
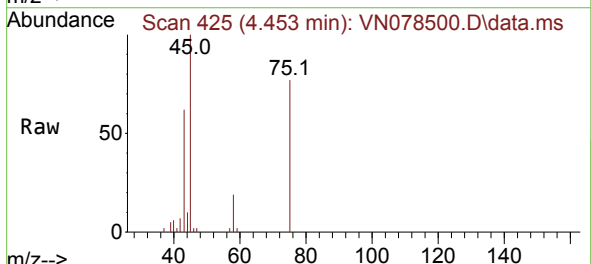
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ClientSampleId :
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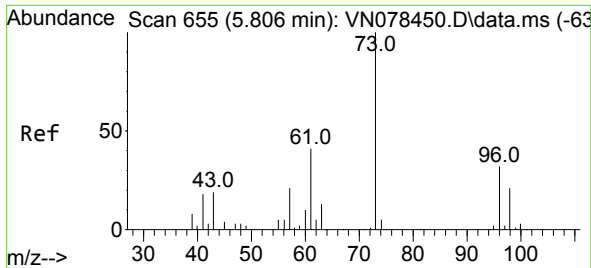
Tgt Ion: 59 Resp: 196840
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#16
Acetone
Concen: 9.346 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 43 Resp: 16728
Ion Ratio Lower Upper
43 100
58 30.5 28.0 42.0

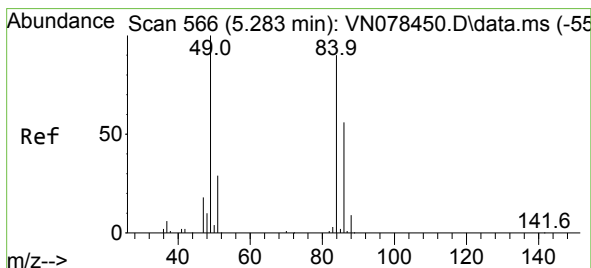
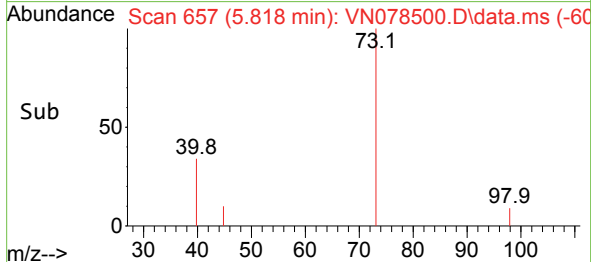
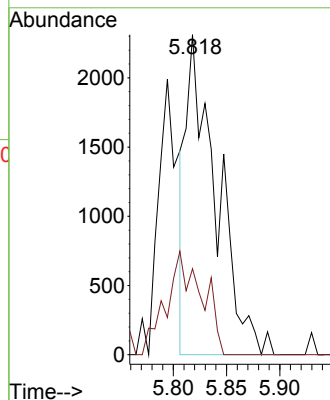
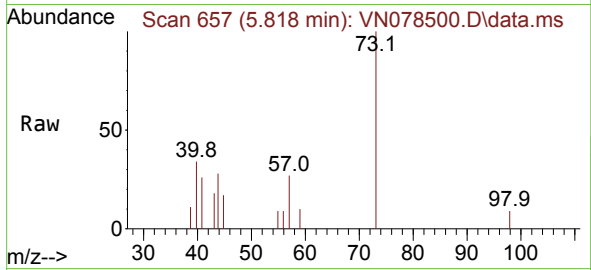




#19
Methyl tert-butyl Ether
Concen: 0.306 ug/l
RT: 5.818 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

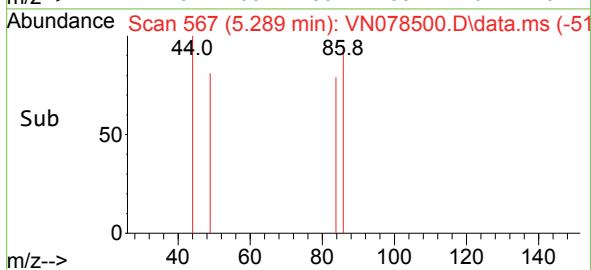
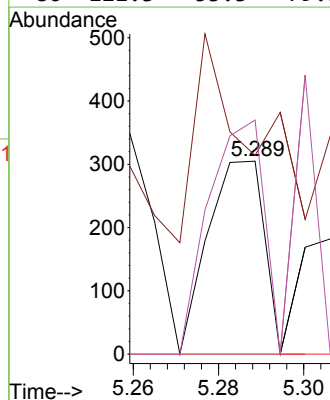
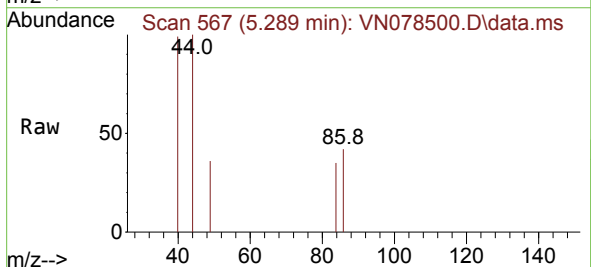
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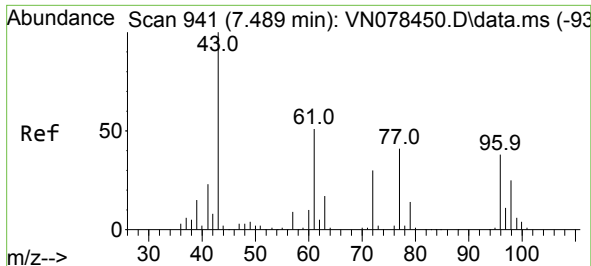
Tgt Ion: 73 Resp: 4567
Ion Ratio Lower Upper
73 100
57 26.9 15.6 23.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 84 Resp: 278
Ion Ratio Lower Upper
84 100
49 45.2 79.7 119.5#
51 0.0 25.2 37.8#
86 121.3 53.3 79.9#

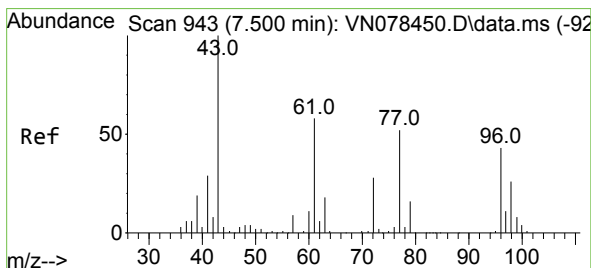
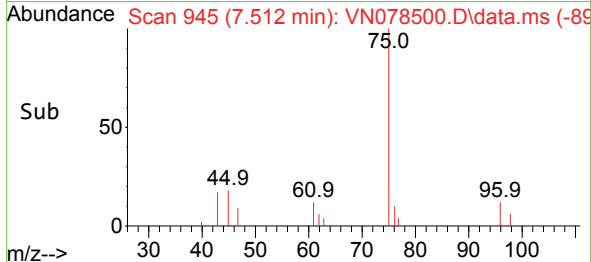
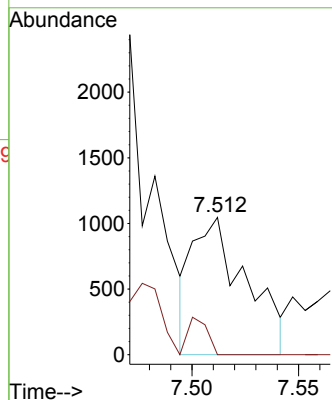
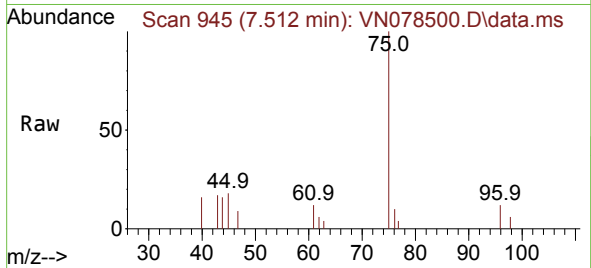




#25
2-Butanone
Concen: 0.654 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

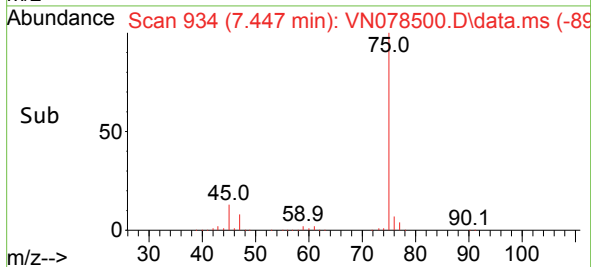
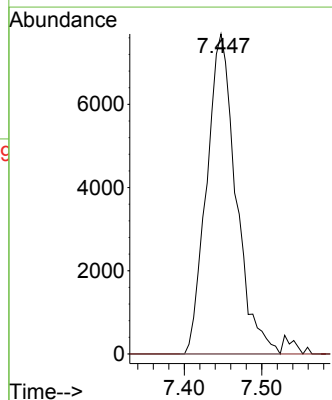
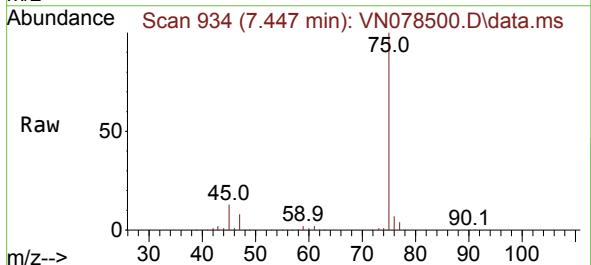
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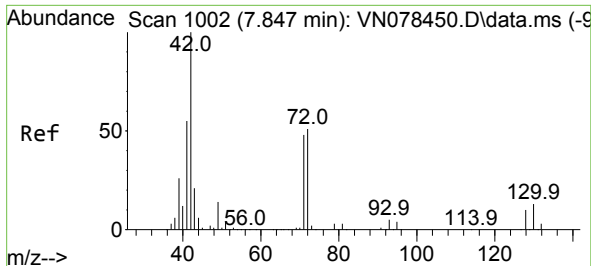
Tgt Ion: 43 Resp: 1842
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 2.652 ug/l
RT: 7.447 min Scan# 934
Delta R.T. -0.053 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 77 Resp: 20224
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#





#29

Tetrahydrofuran

Concen: 144.032 ug/l

RT: 7.853 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN078500.D

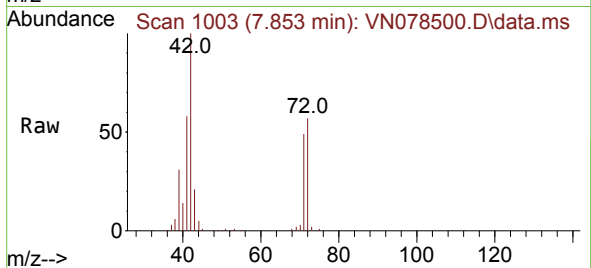
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Instrument :

MSVOA_N

ClientSampleId :

230712058-02-VOA



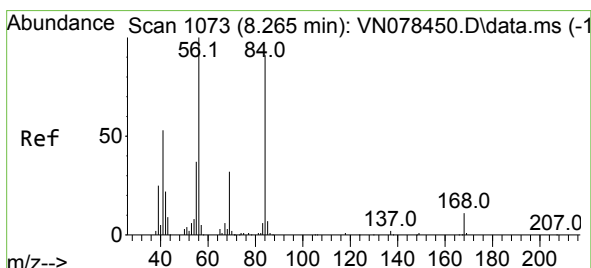
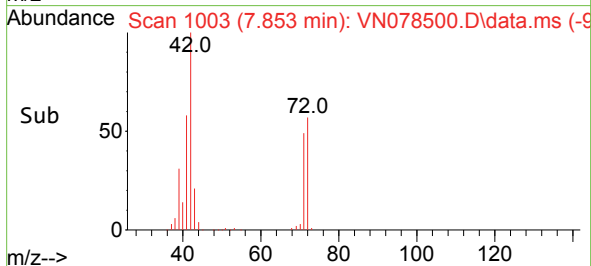
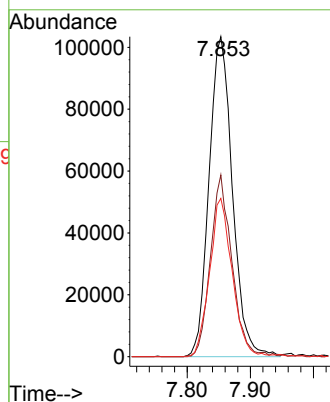
Tgt Ion: 42 Resp: 266269

Ion Ratio Lower Upper

42 100

72 52.1 49.8 74.6

71 47.6 47.4 71.2



#31

Cyclohexane

Concen: 1.473 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.024 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

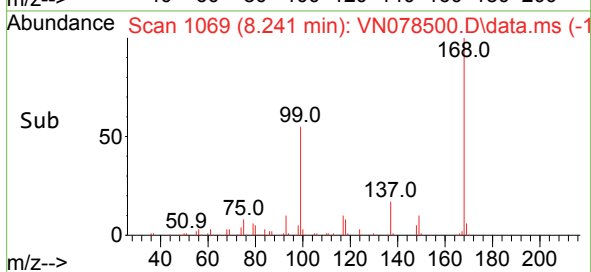
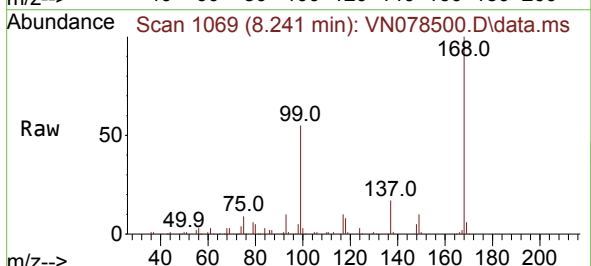
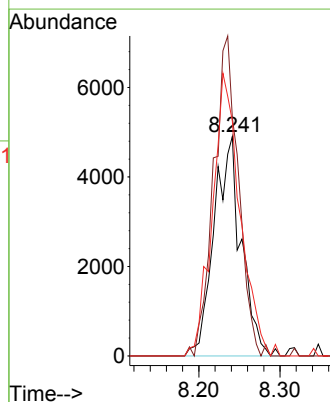
Tgt Ion: 56 Resp: 11438

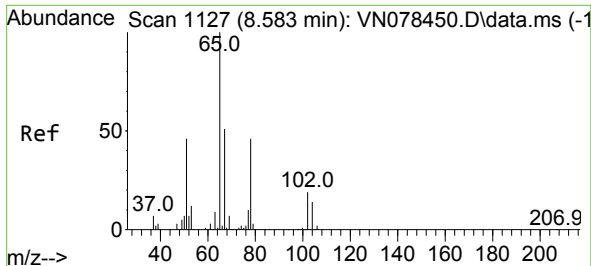
Ion Ratio Lower Upper

56 100

69 108.6 26.8 40.2#

84 106.9 81.8 122.6

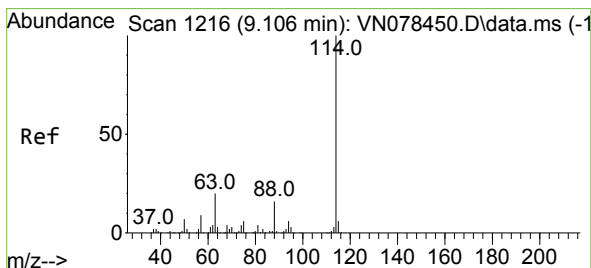
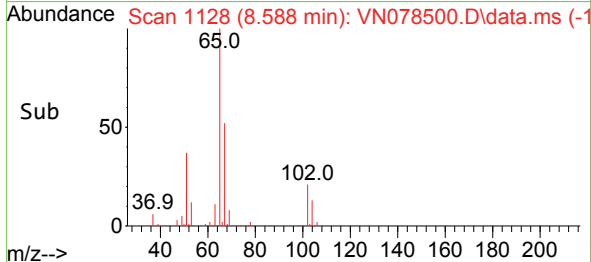
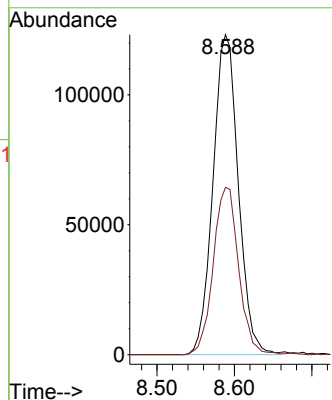
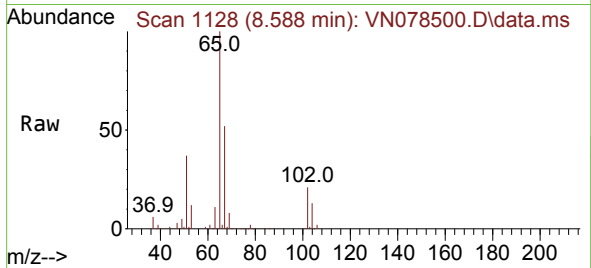




#33
 1,2-Dichloroethane-d4
 Concen: 48.791 ug/l
 RT: 8.588 min Scan# 1127
 Delta R.T. 0.005 min
 Lab File: VN078500.D
 Acq: 13 Jul 2023 15:49

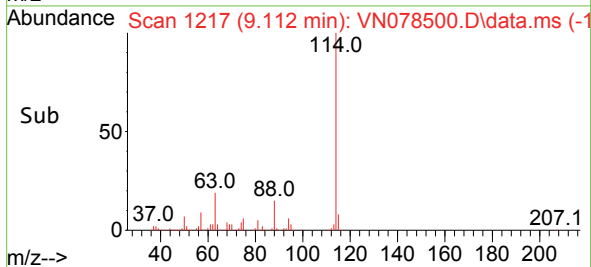
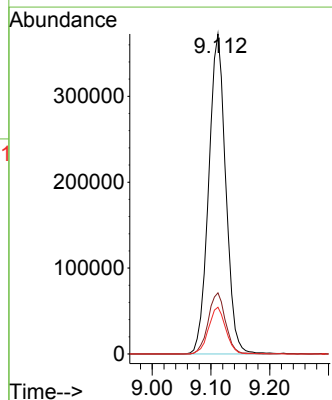
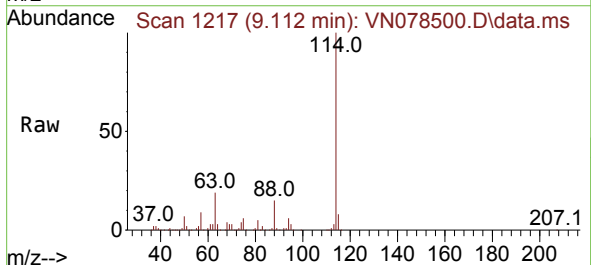
Instrument :
 MSVOA_N
 ClientSampleId :
 230712058-02-VOA

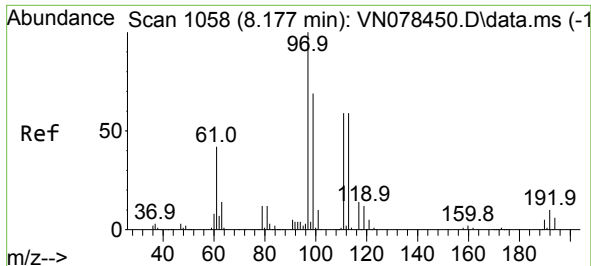
Tgt Ion: 65 Resp: 280342
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.112 min Scan# 1217
 Delta R.T. 0.006 min
 Lab File: VN078500.D
 Acq: 13 Jul 2023 15:49

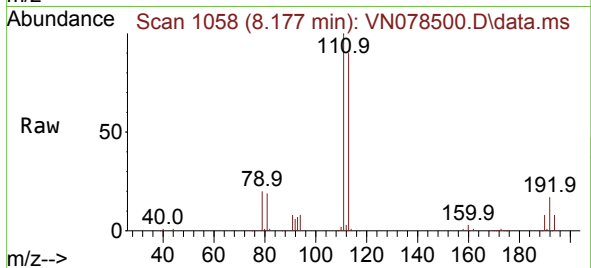
Tgt Ion: 114 Resp: 753129
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.4
 88 14.6 0.0 30.6



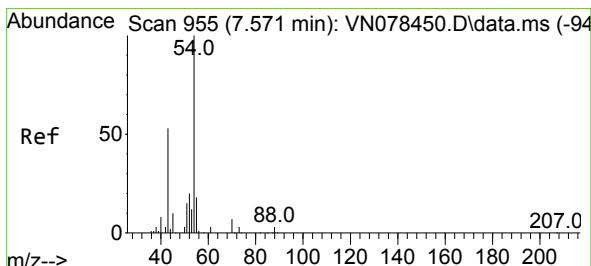
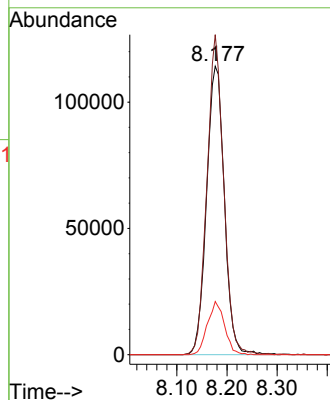
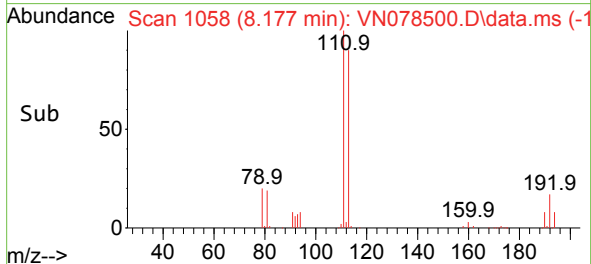


#35
Dibromofluoromethane
Concen: 55.087 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

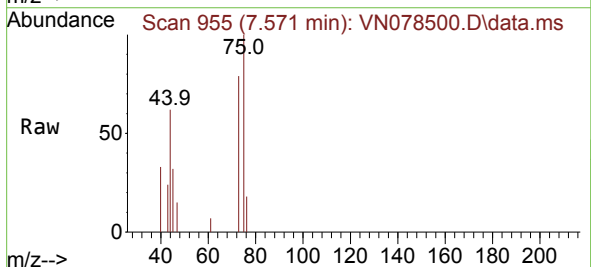
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA



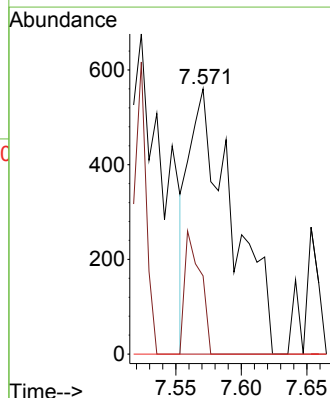
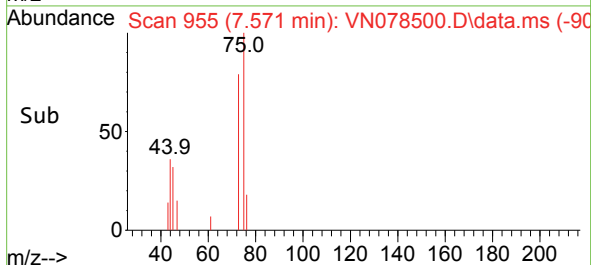
Tgt Ion:113 Resp: 281631
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 17.8 12.7 19.1

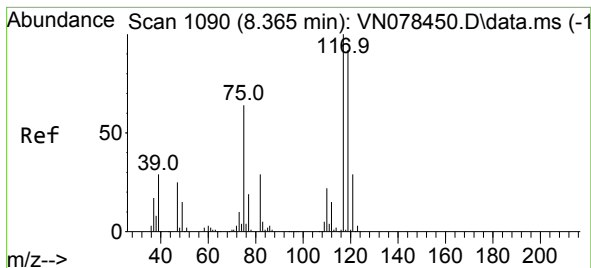


#37
Ethyl Acetate
Concen: 0.211 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49



Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.797 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN078500.D

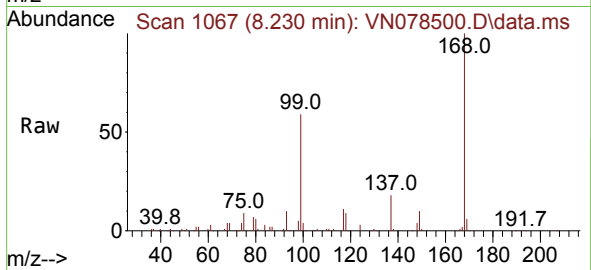
Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

230712058-02-VOA



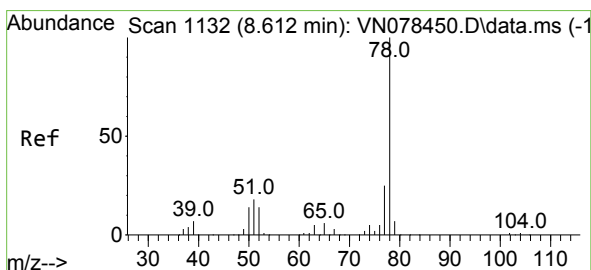
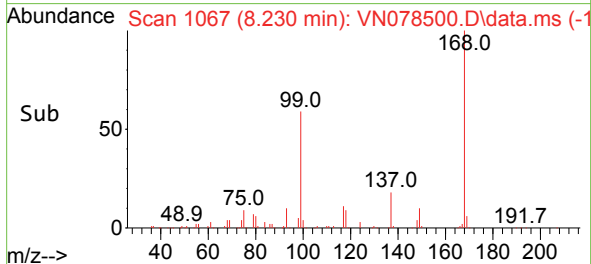
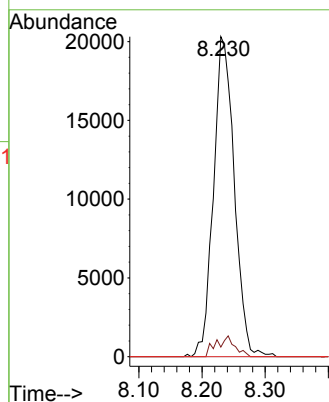
Tgt Ion:117 Resp: 46509

Ion Ratio Lower Upper

117 100

119 3.0 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 1.281 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN078500.D

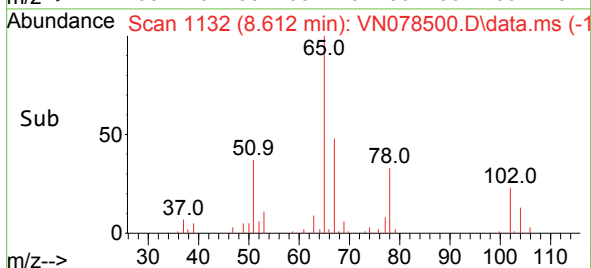
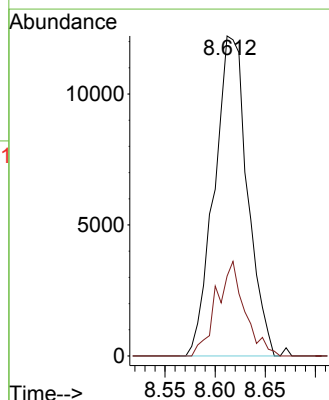
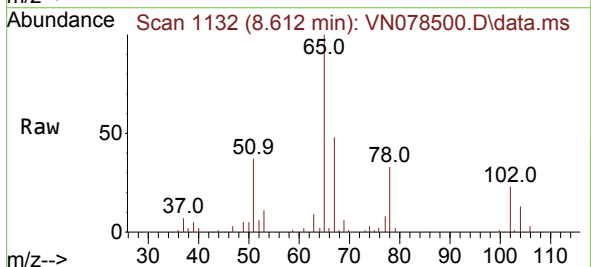
Acq: 13 Jul 2023 15:49

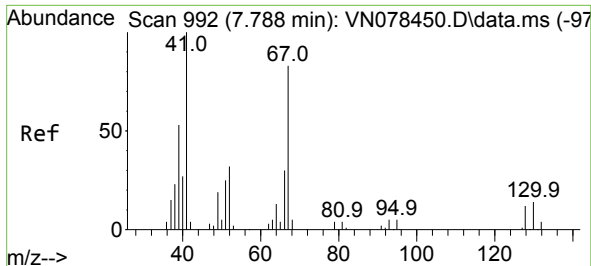
Tgt Ion: 78 Resp: 28015

Ion Ratio Lower Upper

78 100

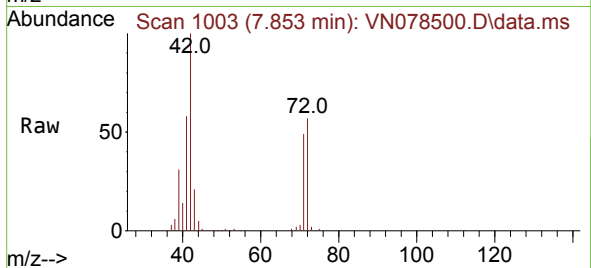
77 24.9 19.0 28.6



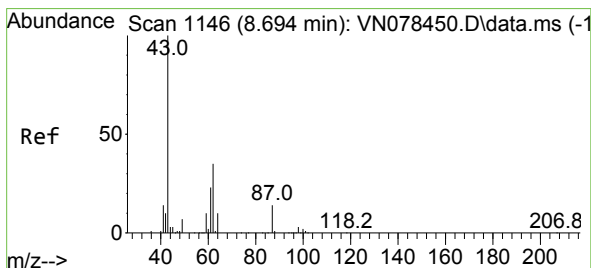
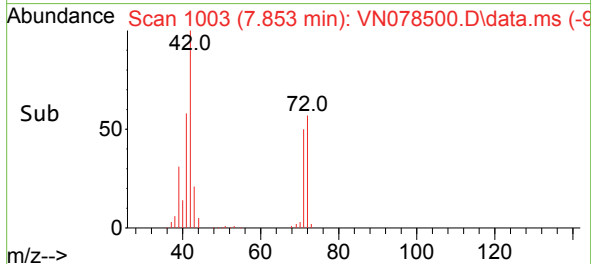
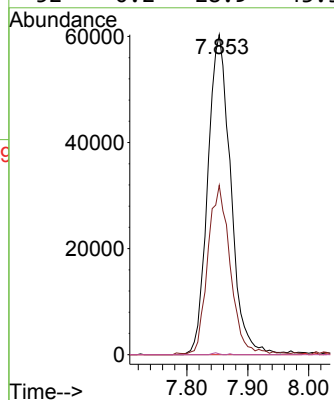


#41
Methacrylonitrile
Concen: 50.152 ug/l
RT: 7.853 min Scan# 1100
Delta R.T. 0.065 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

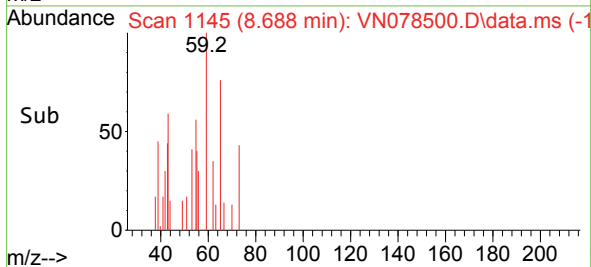
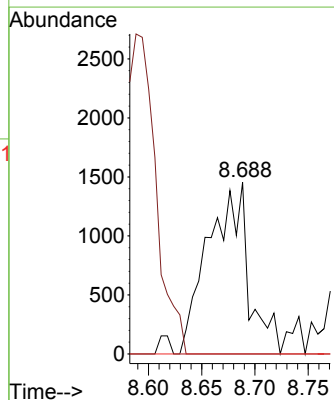
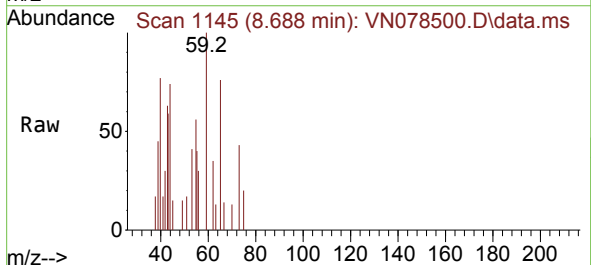


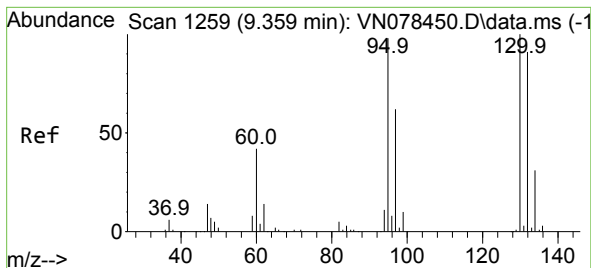
Tgt Ion:	41	Resp:	157330
Ion Ratio	Lower	Upper	
41	100		
39	51.1	42.6	64.0
67	0.0	77.5	116.3#
52	0.2	28.9	43.3#



#43
Isopropyl Acetate
Concen: 0.375 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:	43	Resp:	3801
Ion Ratio	Lower	Upper	
43	100		
61	0.0	24.7	37.1#
87	0.0	14.6	21.8#





#44

Trichloroethene

Concen: 0.292 ug/l

RT: 9.365 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

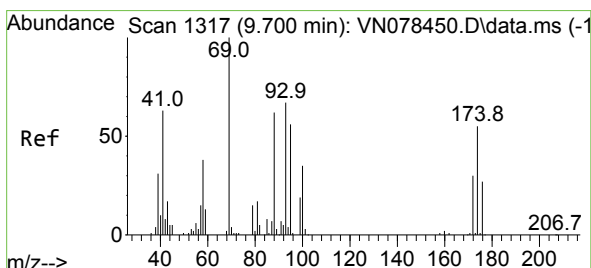
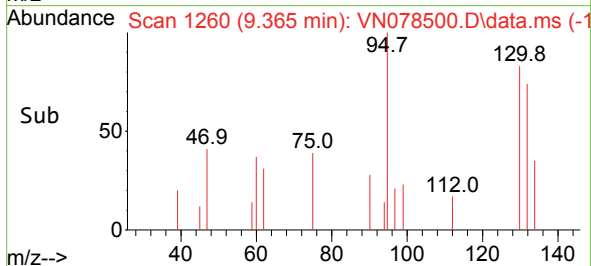
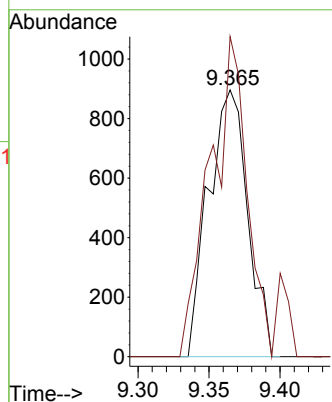
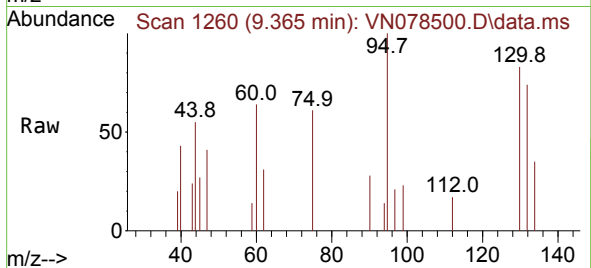
230712058-02-VOA

Tgt Ion:130 Resp: 1724

Ion Ratio Lower Upper

130 100

95 120.0 0.0 204.6



#49

1,4-Dioxane

Concen: 178.348 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

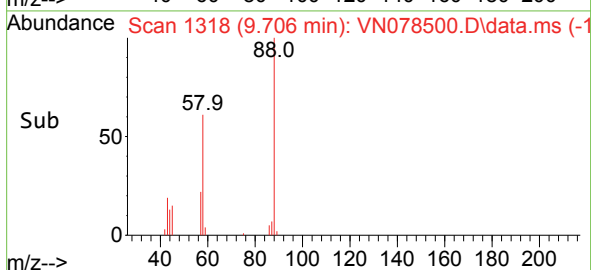
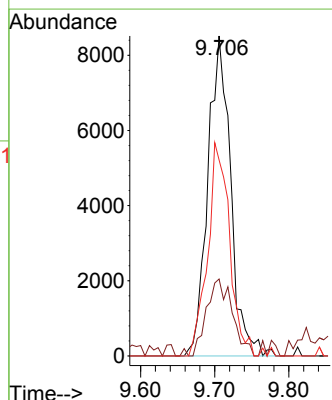
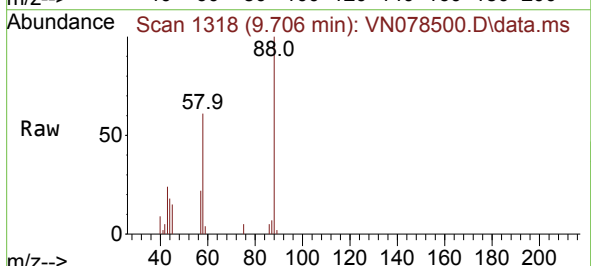
Tgt Ion: 88 Resp: 18256

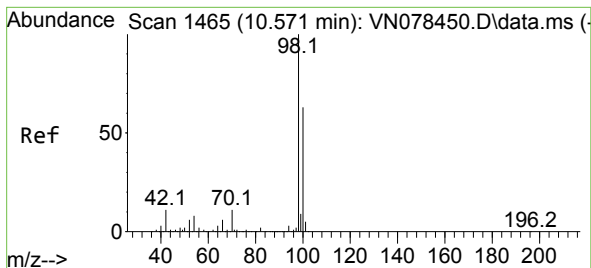
Ion Ratio Lower Upper

88 100

43 27.1 17.0 25.6#

58 63.7 47.0 70.4

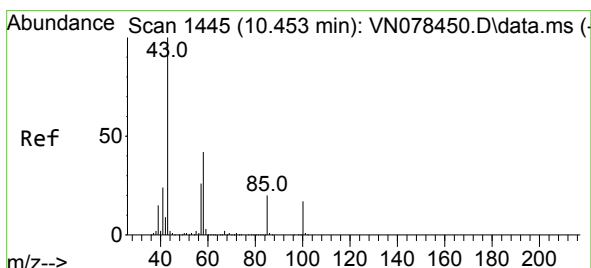
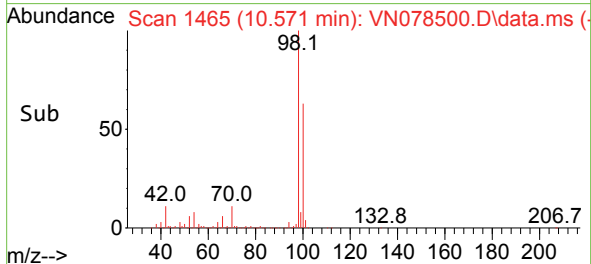
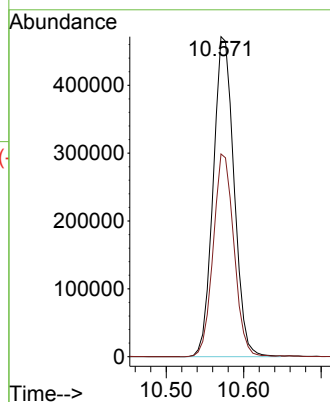
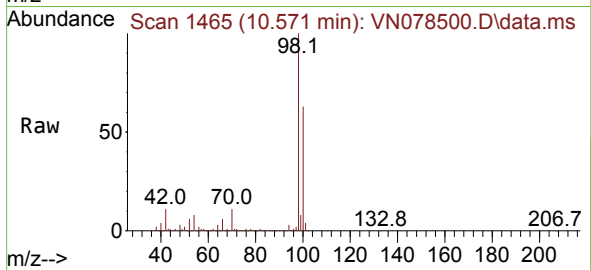




#50
Toluene-d8
Concen: 45.543 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

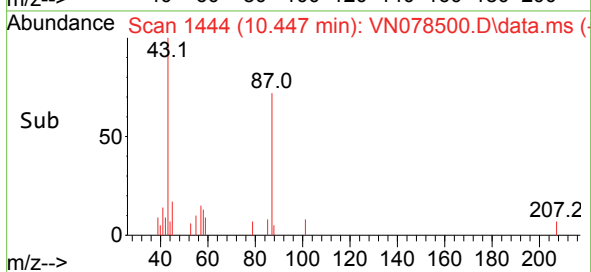
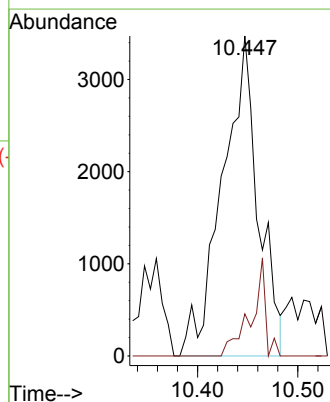
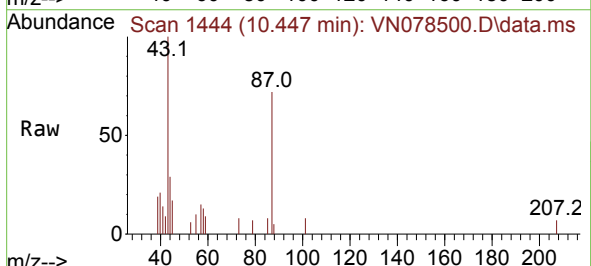
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

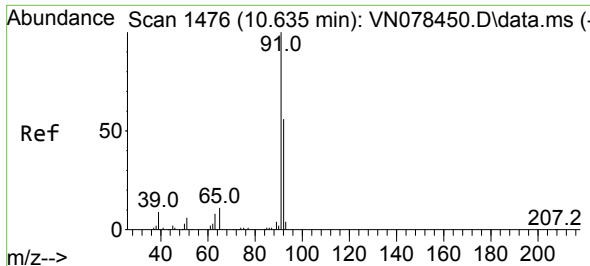
Tgt Ion: 98 Resp: 879588
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 43 Resp: 8601
Ion Ratio Lower Upper
43 100
58 12.4 36.6 54.8#

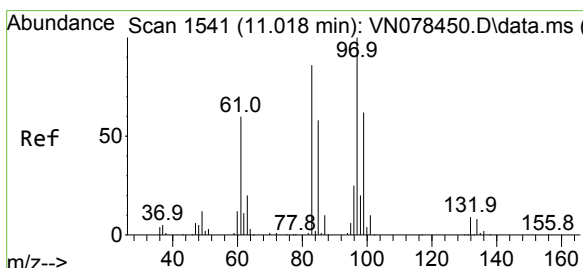
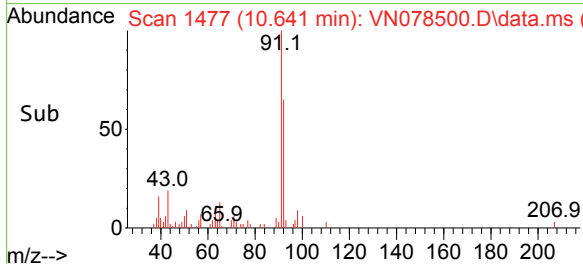
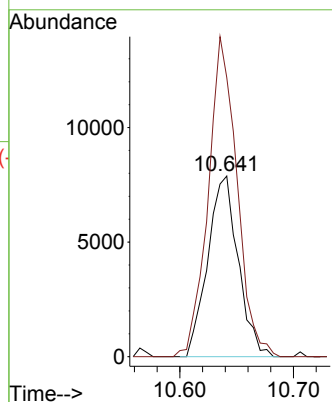
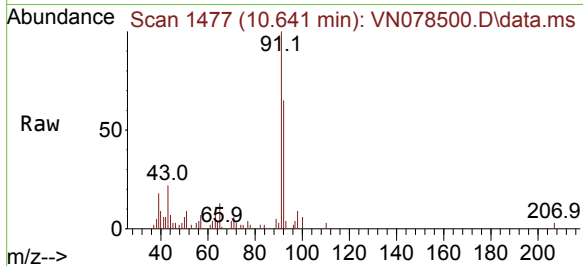




#52
Toluene
Concen: 1.084 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

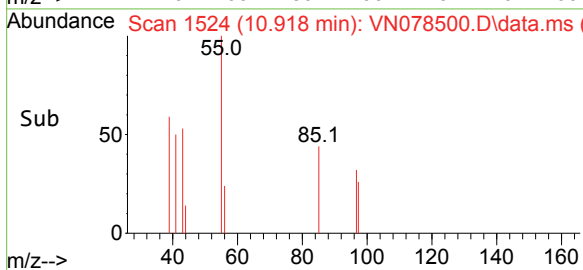
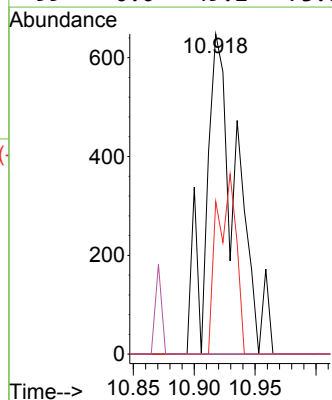
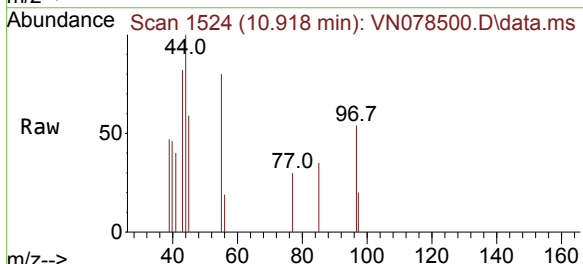
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

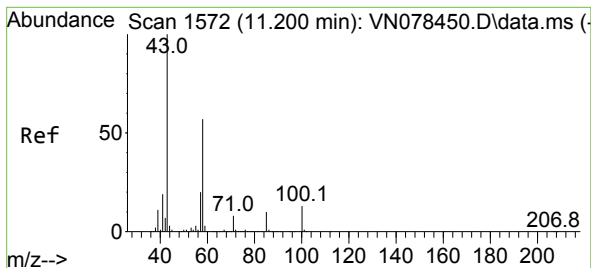
Tgt Ion: 92 Resp: 14691
Ion Ratio Lower Upper
92 100
91 167.4 137.4 206.0



#55
1,1,2-Trichloroethane
Concen: 0.216 ug/l
RT: 10.918 min Scan# 1524
Delta R.T. -0.100 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 97 Resp: 1151
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 47.7 43.4 65.2
99 0.0 49.2 73.8#

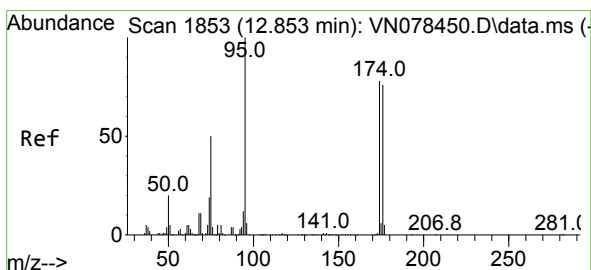
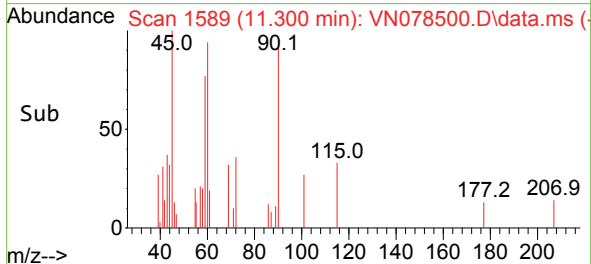
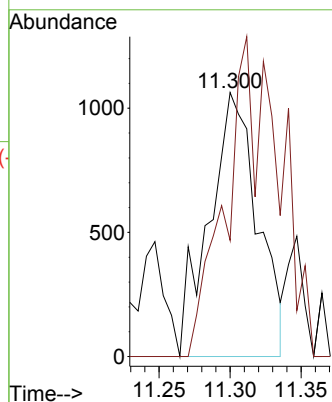
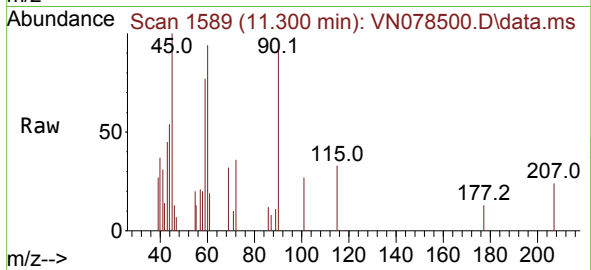




#59
2-Hexanone
Concen: 0.588 ug/l
RT: 11.300 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

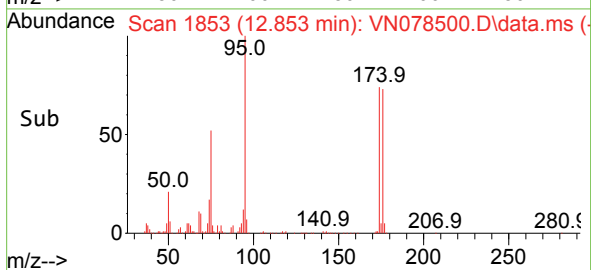
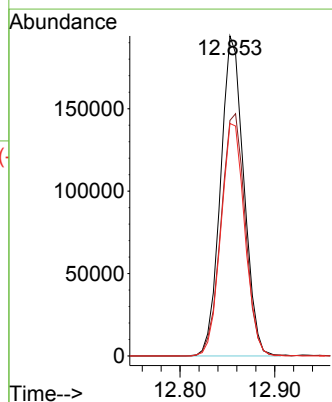
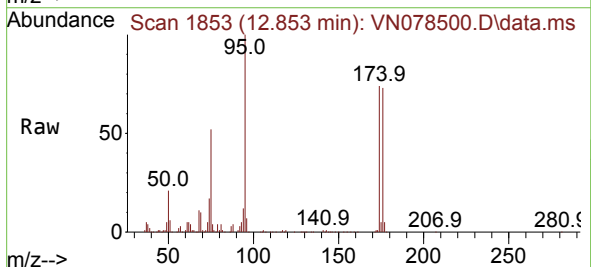
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

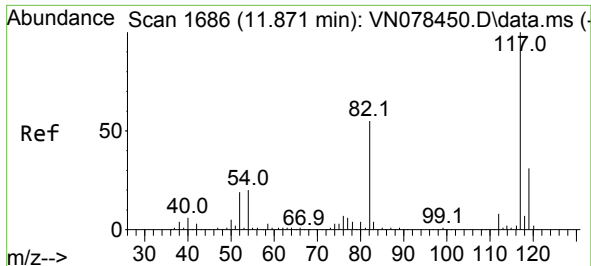
Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 72.4 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 55.705 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 95 Resp: 331388
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 74.5 0.0 135.8

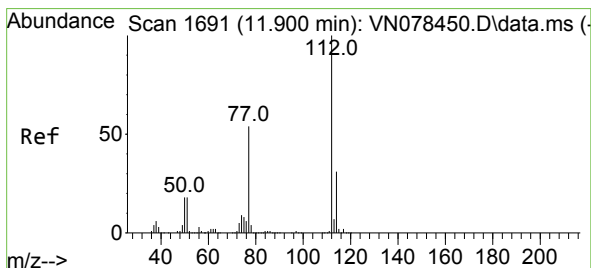
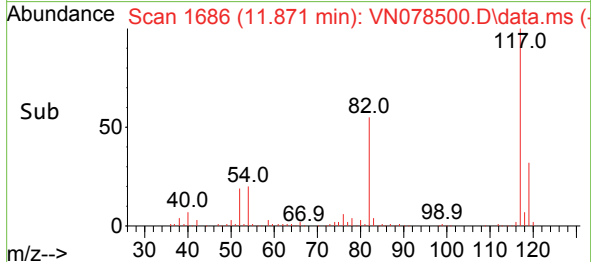
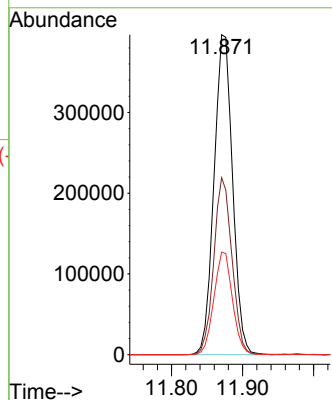
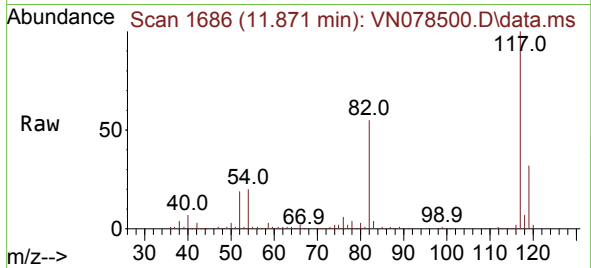




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

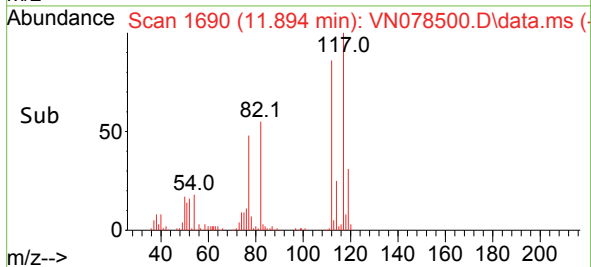
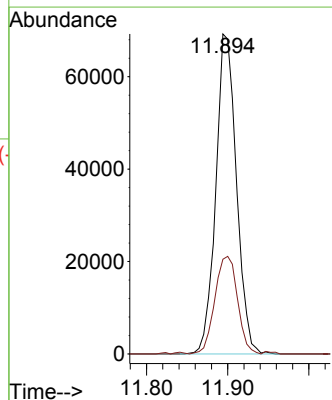
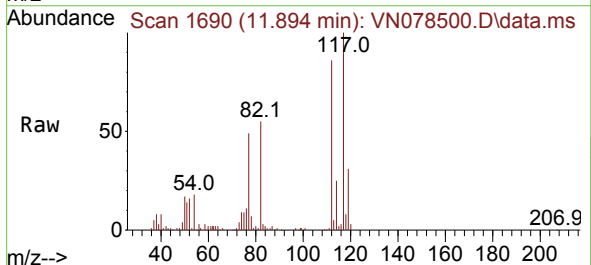
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

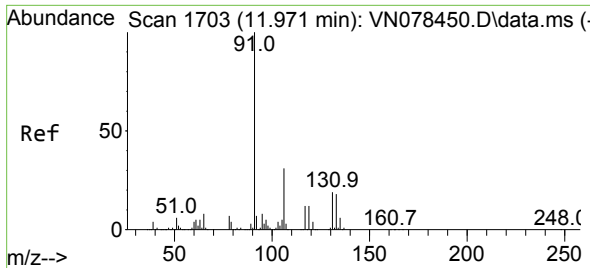
Tgt Ion:117 Resp: 718697
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 32.1 25.6 38.4



#65
Chlorobenzene
Concen: 7.617 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:112 Resp: 122365
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.4

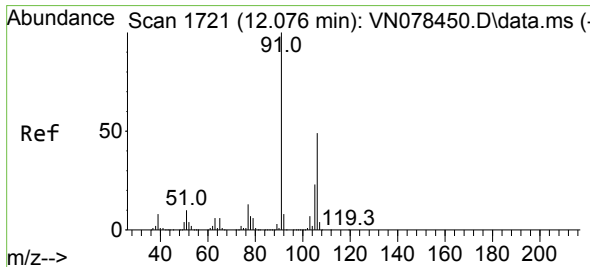
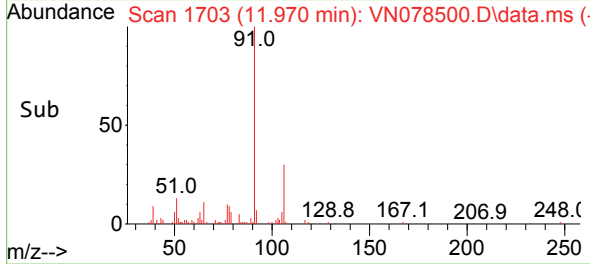
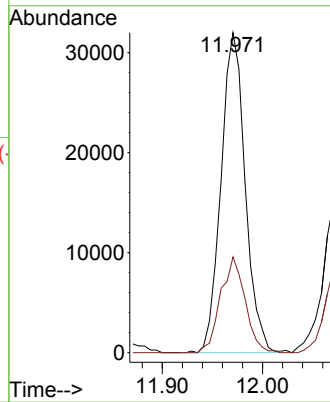
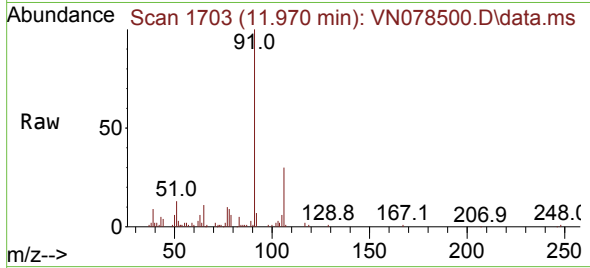




#67
Ethyl Benzene
Concen: 1.973 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

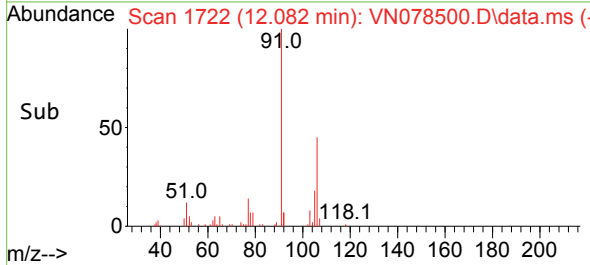
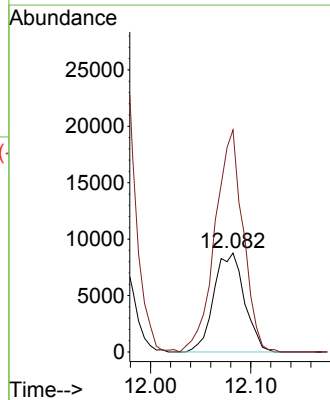
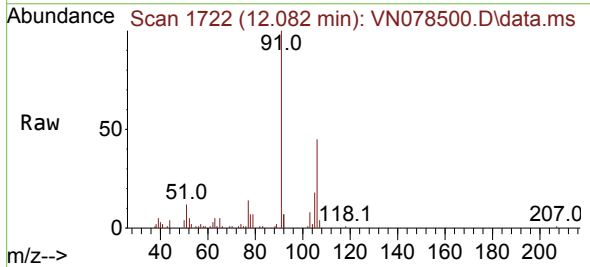
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

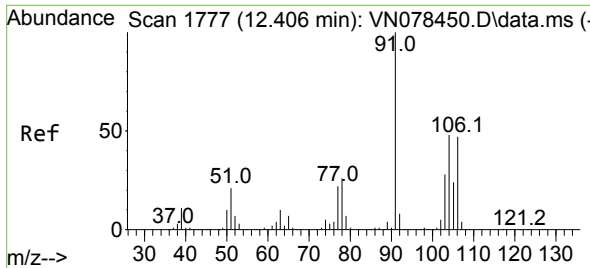
Tgt Ion: 91 Resp: 53574
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4



#68
m/p-Xylenes
Concen: 1.852 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:106 Resp: 18597
Ion Ratio Lower Upper
106 100
91 206.5 159.6 239.4

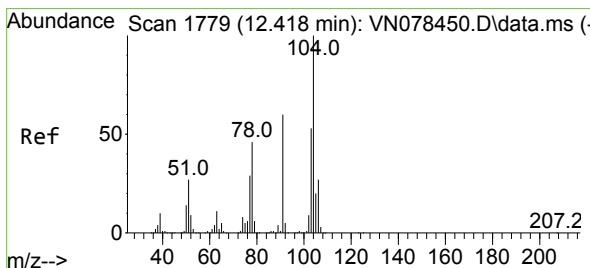
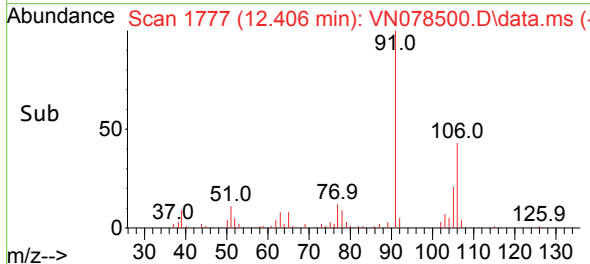
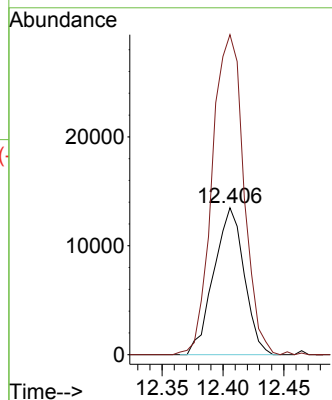
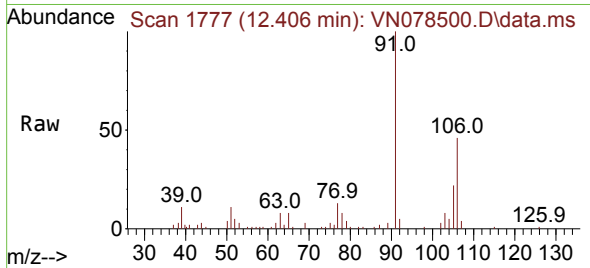




#69
o-Xylene
Concen: 2.308 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

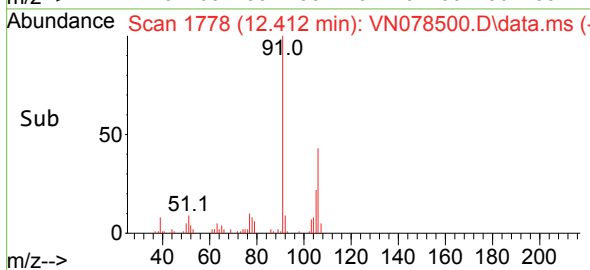
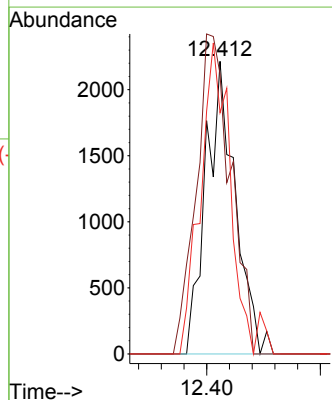
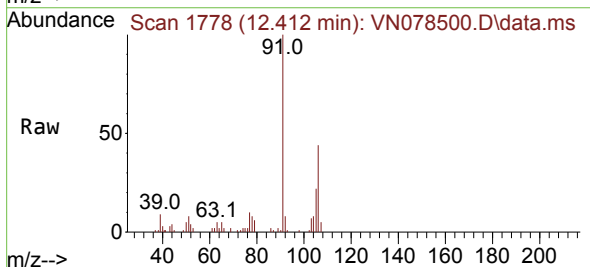
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

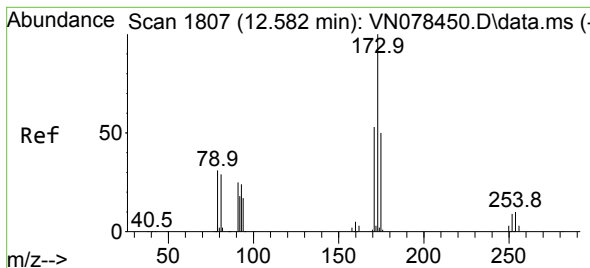
Tgt Ion:106 Resp: 23406
Ion Ratio Lower Upper
106 100
91 226.1 105.2 315.5



#70
Styrene
Concen: 0.251 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:104 Resp: 3984
Ion Ratio Lower Upper
104 100
78 128.1 39.5 59.3#
103 105.6 43.2 64.8#





#71

Bromoform

Concen: 0.427 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN078500.D

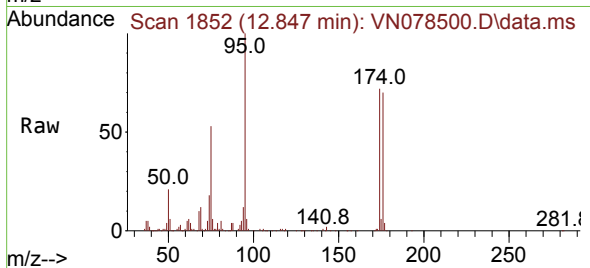
Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

230712058-02-VOA



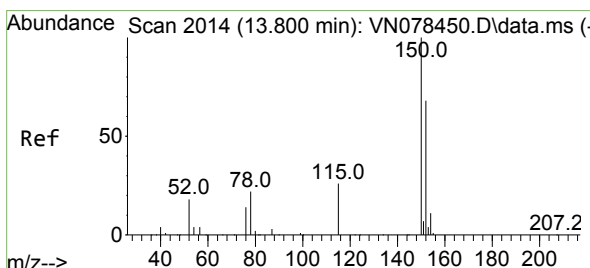
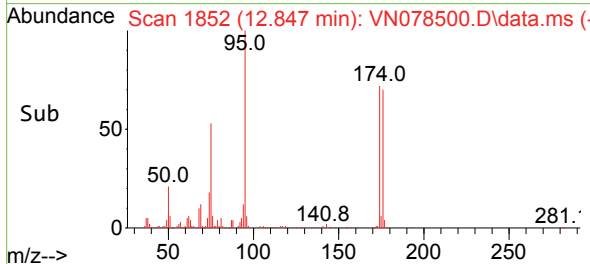
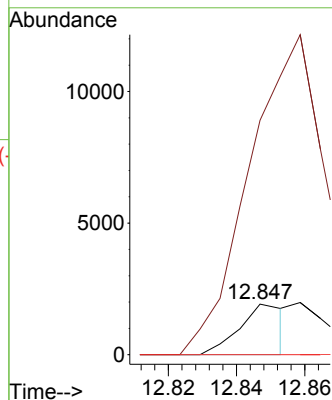
Tgt Ion:173 Resp: 1788

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# 2014

Delta R.T. -0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

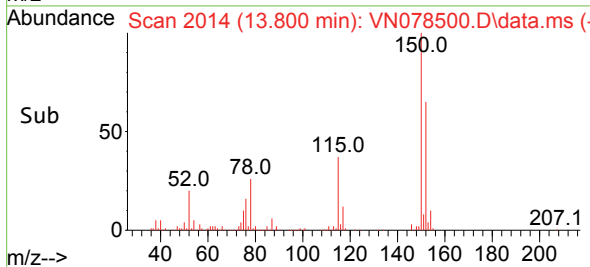
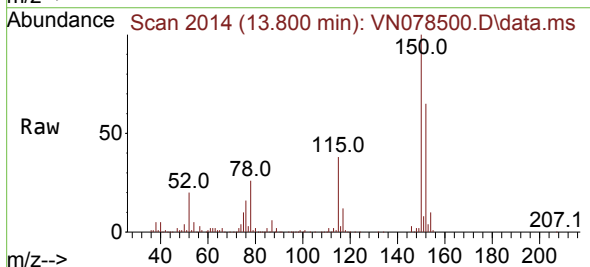
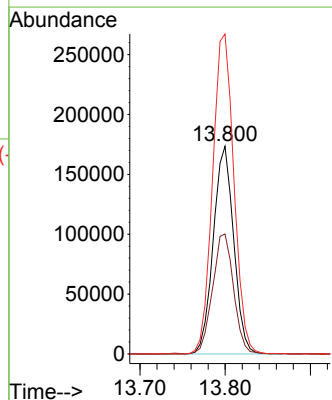
Tgt Ion:152 Resp: 288506

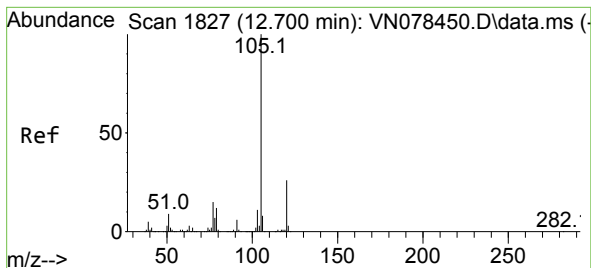
Ion Ratio Lower Upper

152 100

115 59.6 32.3 96.8

150 160.8 0.0 355.8





#73

Isopropylbenzene

Concen: 0.347 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

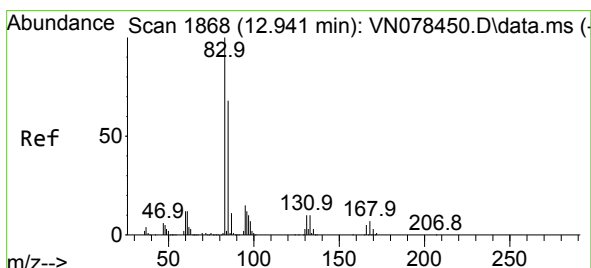
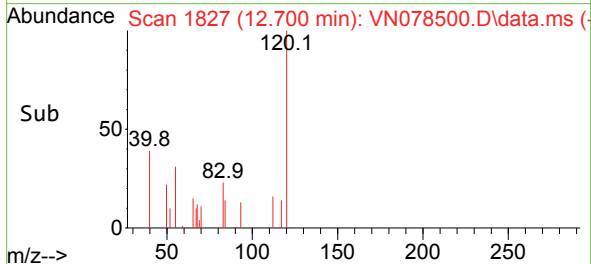
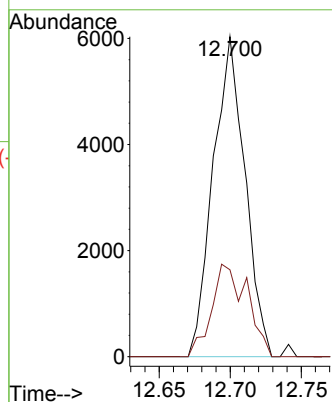
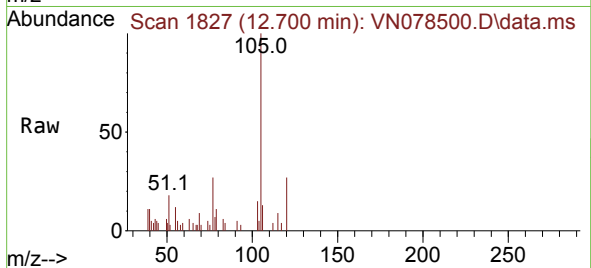
230712058-02-VOA

Tgt Ion:105 Resp: 9417

Ion Ratio Lower Upper

105 100

120 32.3 13.1 39.1



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

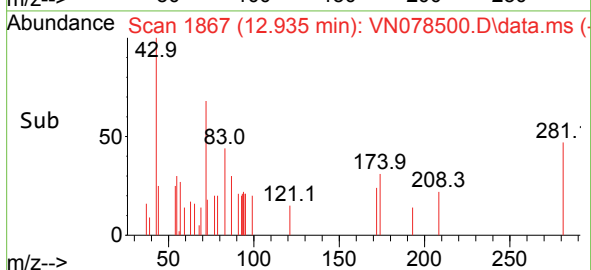
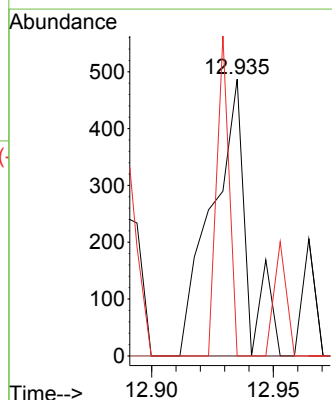
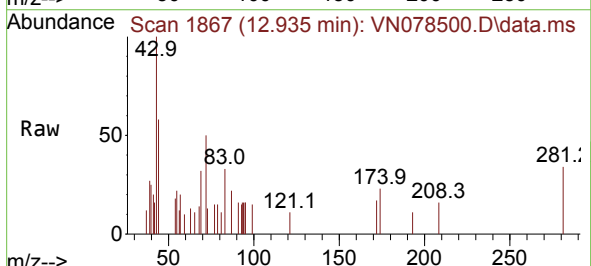
Tgt Ion: 83 Resp: 486

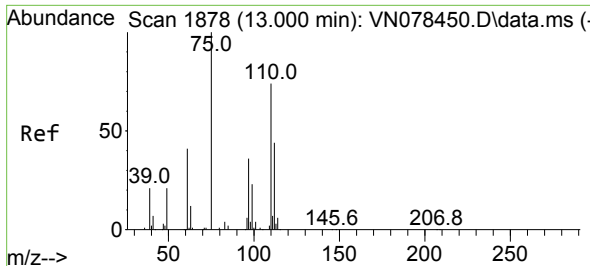
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 40.9 31.9 95.7

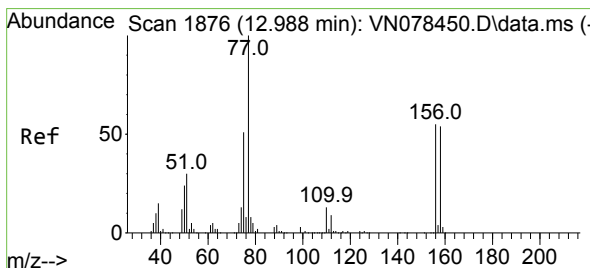
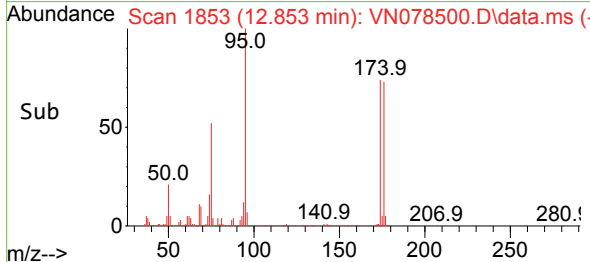
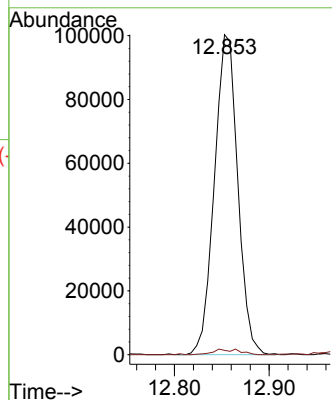
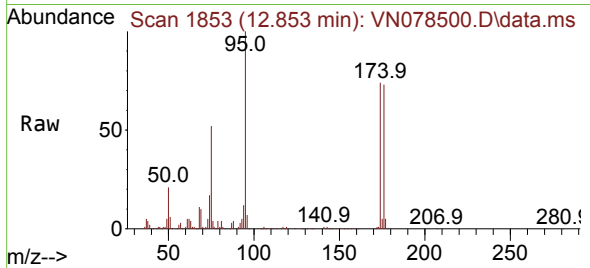




#76
1,2,3-Trichloropropane
Concen: 24.656 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

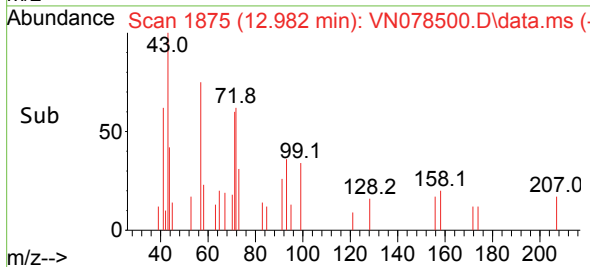
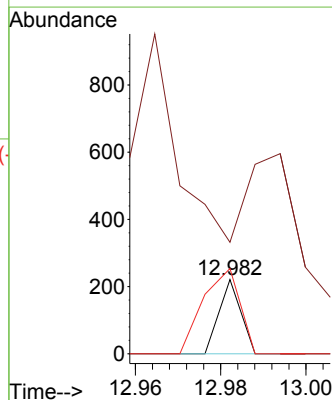
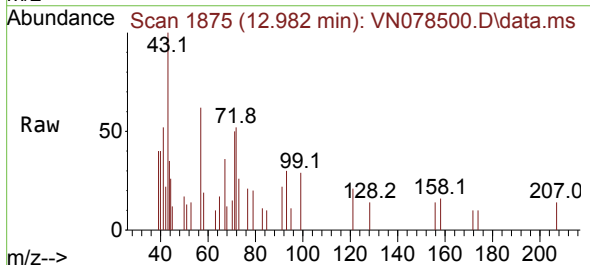
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

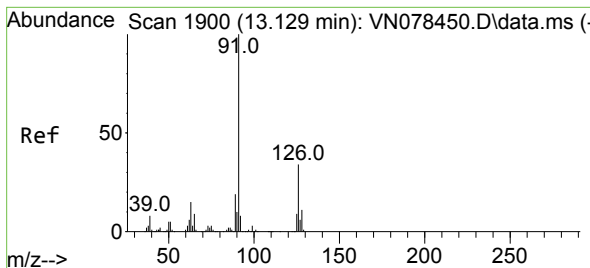
Tgt Ion: 75 Resp: 171937
Ion Ratio Lower Upper
75 100
77 1.9 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 156 Resp: 78
Ion Ratio Lower Upper
156 100
77 717.9 107.7 323.3#
158 194.9 48.4 145.3#





#79

2-Chlorotoluene

Concen: 0.530 ug/l

RT: 13.135 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

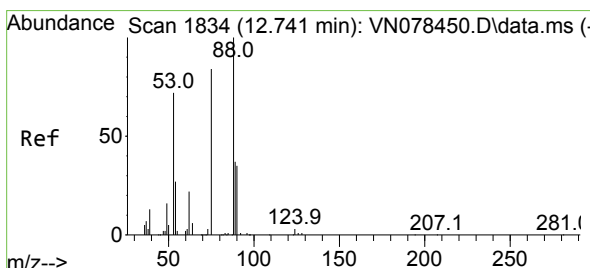
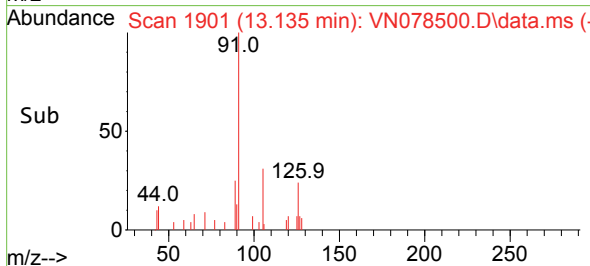
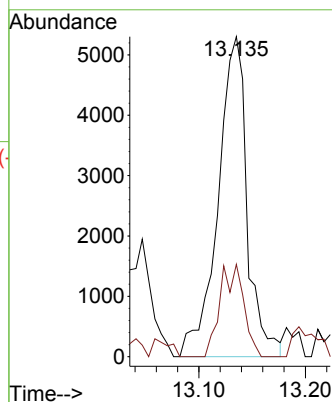
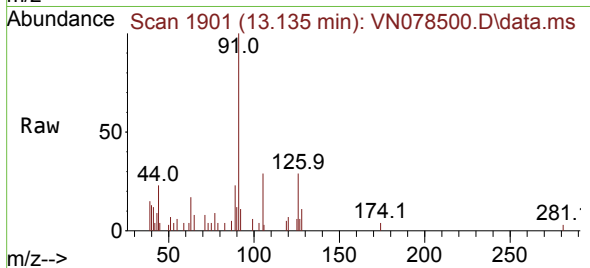
230712058-02-VOA

Tgt Ion: 91 Resp: 10060

Ion Ratio Lower Upper

91 100

126 23.4 16.3 48.8



#81

trans-1,4-Dichloro-2-butene

Concen: 64.790 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

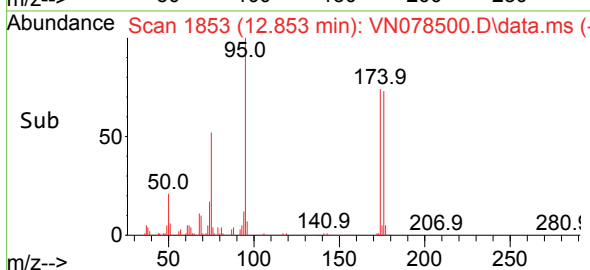
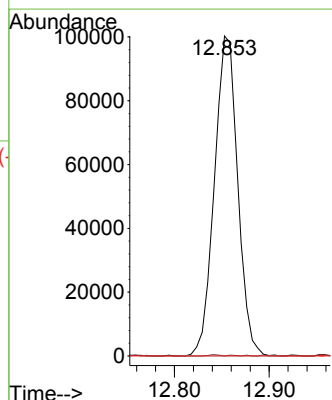
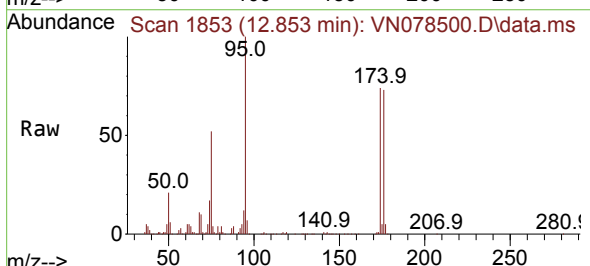
Tgt Ion: 75 Resp: 171937

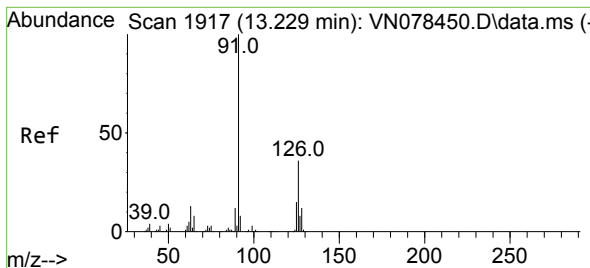
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#82

4-Chlorotoluene

Concen: 0.568 ug/l

RT: 13.135 min Scan# 1917

Delta R.T. -0.094 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

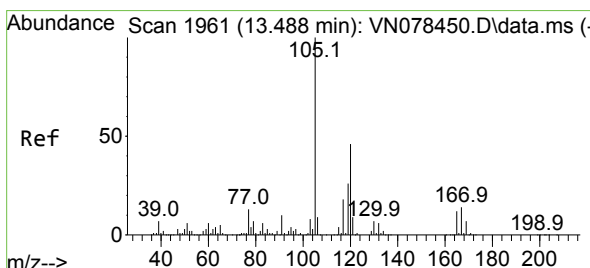
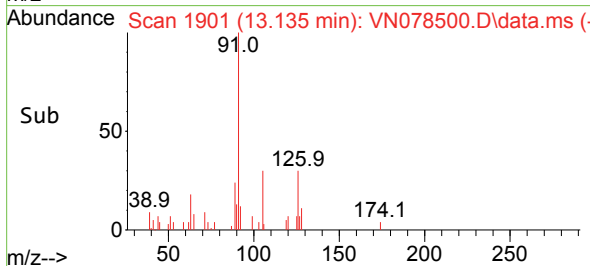
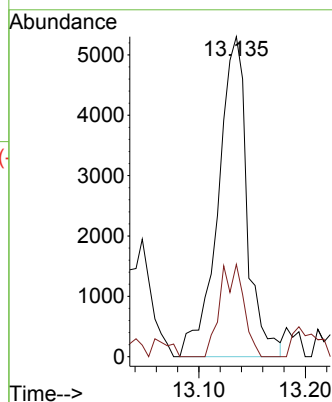
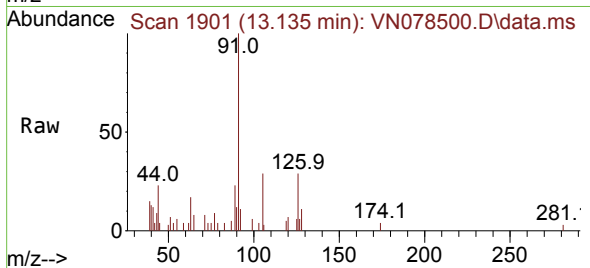
230712058-02-VOA

Tgt Ion: 91 Resp: 10060

Ion Ratio Lower Upper

91 100

126 23.4 16.7 50.0



#84

1,2,4-Trimethylbenzene

Concen: 1.165 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078500.D

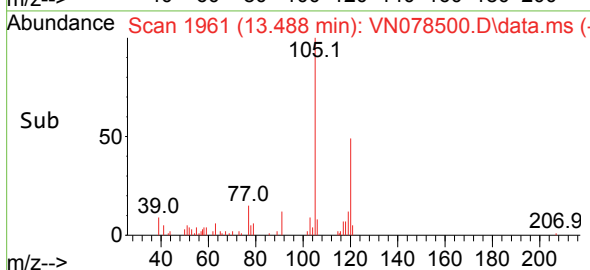
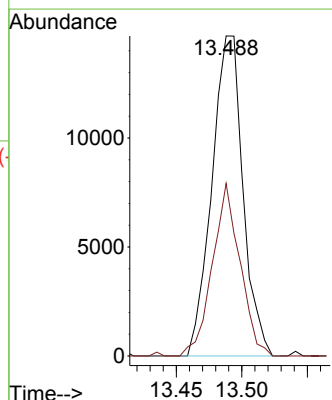
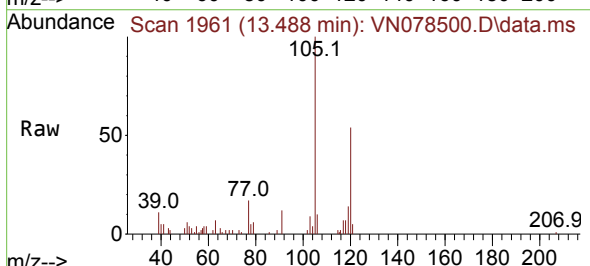
Acq: 13 Jul 2023 15:49

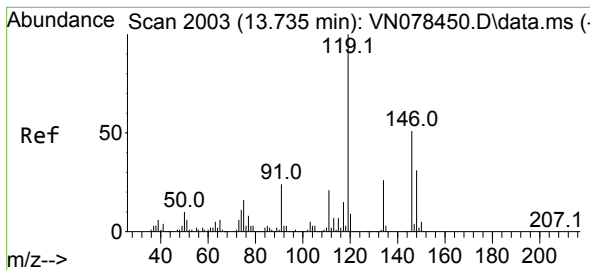
Tgt Ion: 105 Resp: 24243

Ion Ratio Lower Upper

105 100

120 47.9 22.0 66.0





#86

p-Isopropyltoluene

Concen: 0.325 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

230712058-02-VOA

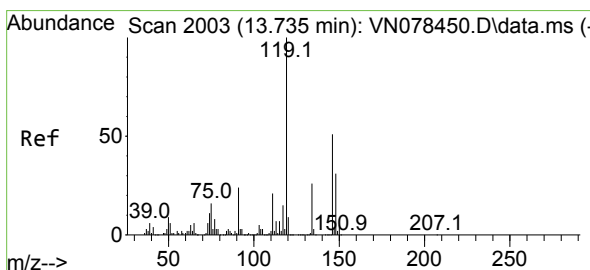
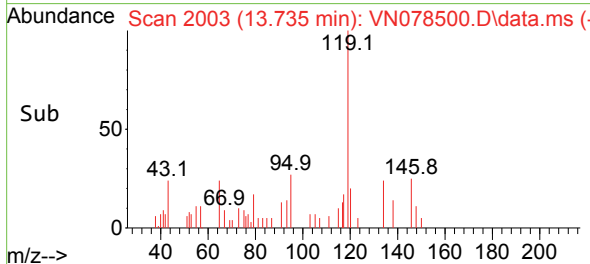
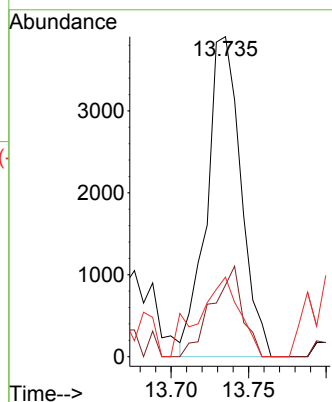
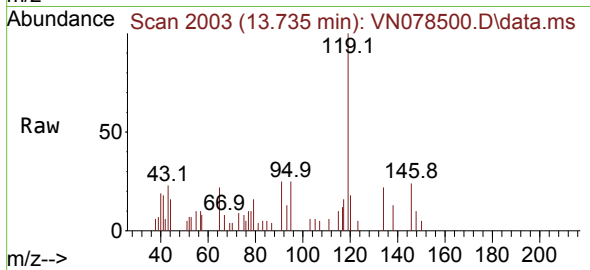
Tgt Ion:119 Resp: 5990

Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

91 30.2 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 5.033 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.082 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

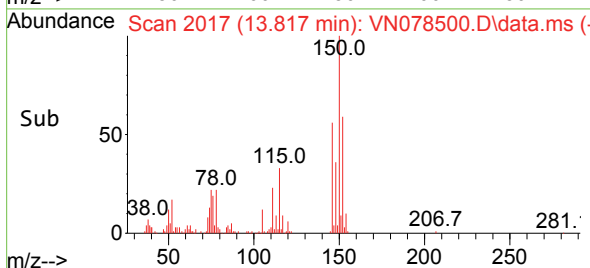
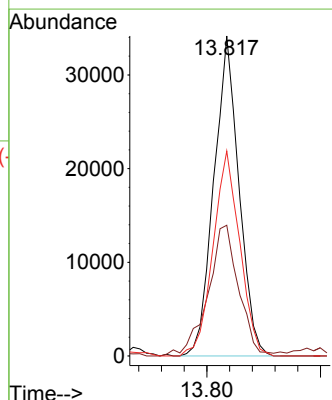
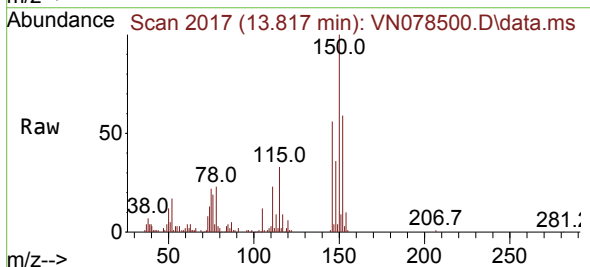
Tgt Ion:146 Resp: 52379

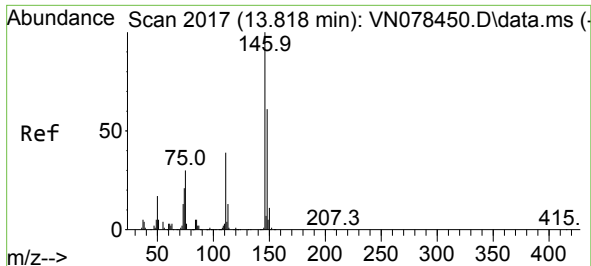
Ion Ratio Lower Upper

146 100

111 50.1 22.1 66.3

148 68.2 32.0 96.0

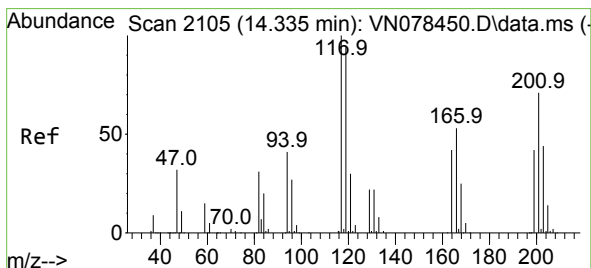
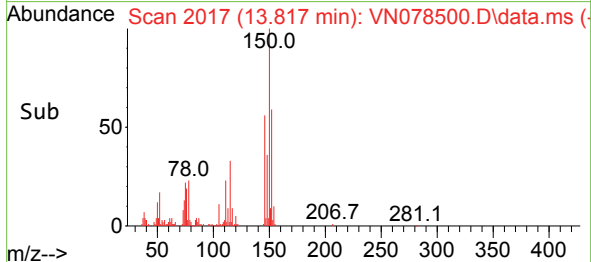
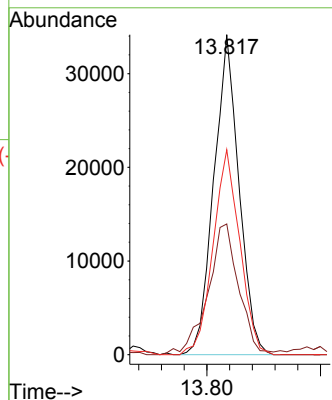
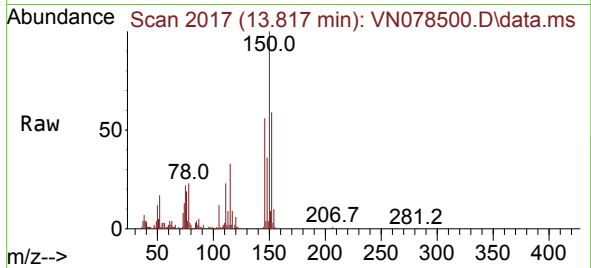




#88
1,4-Dichlorobenzene
Concen: 4.997 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

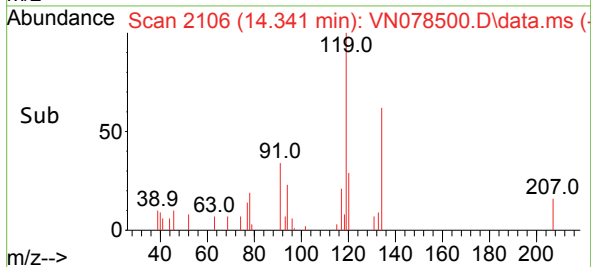
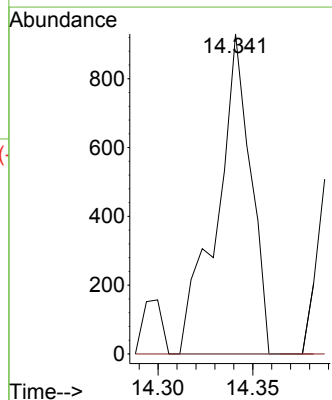
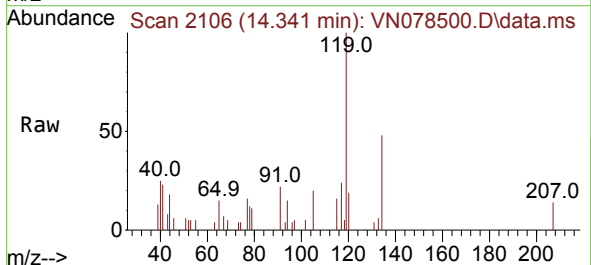
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

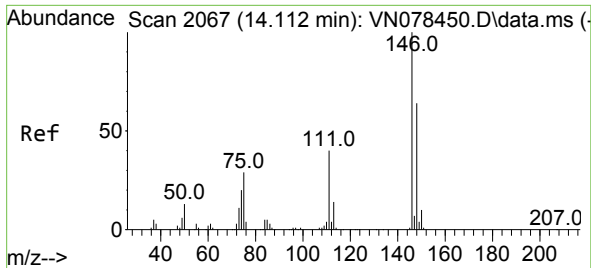
Tgt Ion:146 Resp: 52379
Ion Ratio Lower Upper
146 100
111 50.1 20.6 61.8
148 68.2 31.6 94.8



#90
Hexachloroethane
Concen: Below Cal
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:117 Resp: 1150
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

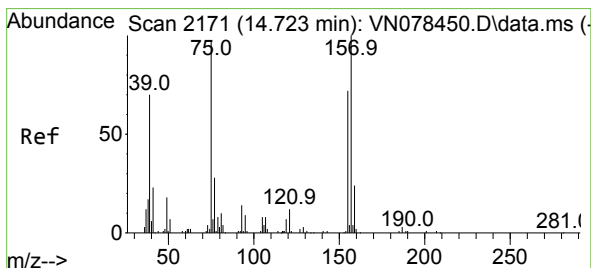
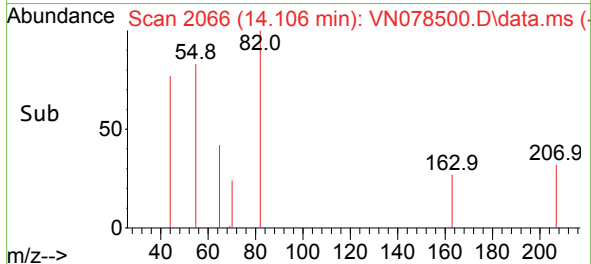
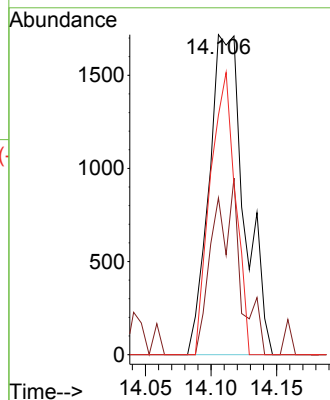
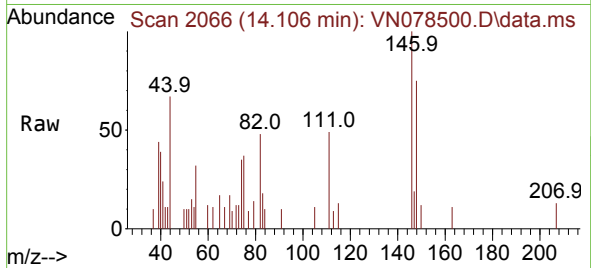




#91
1,2-Dichlorobenzene
Concen: 0.309 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

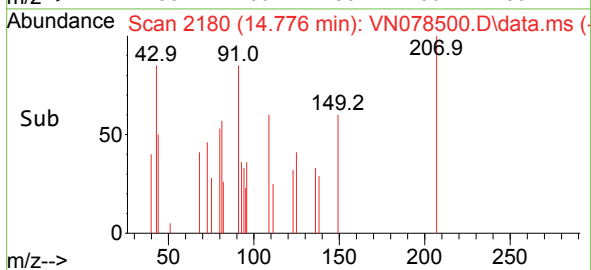
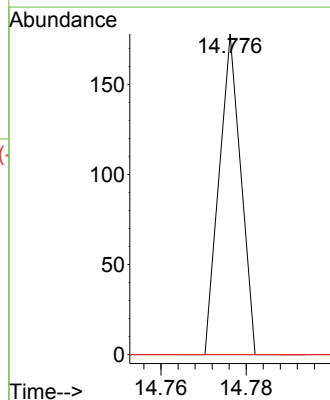
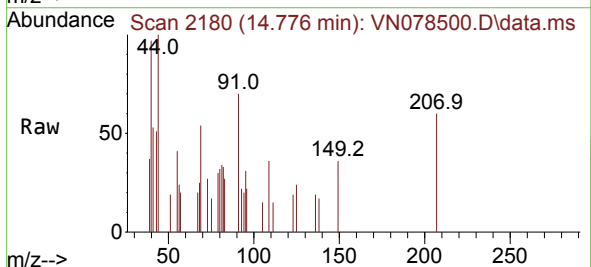
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

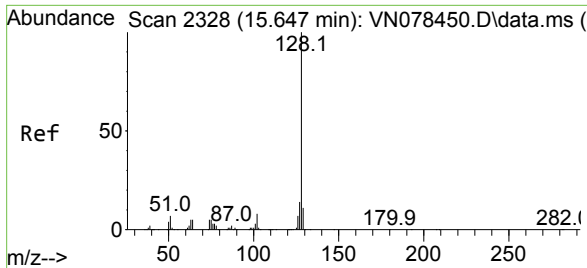
Tgt Ion:146	Resp:	3204
Ion Ratio	Lower	Upper
146	100	
111	42.5	22.0 66.0
148	63.0	31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.776 min Scan# 2180
Delta R.T. 0.053 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

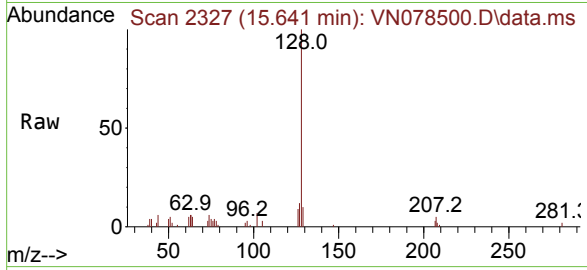
Tgt Ion: 75	Resp:	63
Ion Ratio	Lower	Upper
75	100	
155	0.0	39.1 117.2#
157	0.0	50.3 150.9#





#95
Naphthalene
Concen: 1.649 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA



Tgt Ion:128 Resp: 18629
Ion Ratio Lower Upper
128 100
127 14.7 10.0 15.0
129 14.4 8.7 13.1#

