

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078555.D
 Acq On : 18 Jul 2023 12:49
 Operator : JC\MD
 Sample : PB154251TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251TB

Quant Time: Jul 19 01:47:22 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	399520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	724270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	694759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266771	49.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.620%
35) Dibromofluoromethane	8.177	113	266251	54.154	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.300%
50) Toluene-d8	10.570	98	883805	47.585	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.853	95	294120	51.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.820%

Target Compounds				Qvalue		
3) Chloromethane	2.371	50	1892	0.355	ug/l	93
5) Bromomethane	2.971	94	3022	Below Cal	#	74
6) Chloroethane	3.118	64	5785	Below Cal	#	78
10) Methyl Iodide	4.606	142	1735	0.290	ug/l	# 64
11) Tert butyl alcohol	5.541	59	749	0.907	ug/l	# 72
13) Acrolein	4.212	56	737	0.907	ug/l	# 16
15) Acrylonitrile	5.759	53	1316	0.631	ug/l	# 67
16) Acetone	4.447	43	116725	69.963	ug/l	98
17) Carbon Disulfide	4.718	76	3712	0.305	ug/l	# 83
18) Methyl Acetate	5.065	43	2668	0.378	ug/l	# 42
20) Methylene Chloride	5.294	84	23870	3.860	ug/l	92
25) 2-Butanone	7.500	43	84089	32.018	ug/l	# 84
29) Tetrahydrofuran	7.853	42	1831	1.063	ug/l	# 53
31) Cyclohexane	8.235	56	9202	1.271	ug/l	# 13
37) Ethyl Acetate	7.577	43	24636	4.163	ug/l	98
38) Carbon Tetrachloride	8.229	117	43489	5.637	ug/l	# 17
42) 1,2-Dichloroethane	8.688	62	1509	0.211	ug/l	# 73
43) Isopropyl Acetate	8.694	43	267132	27.417	ug/l	# 85
48) Methyl methacrylate	9.665	41	8021	1.777	ug/l	# 3
49) 1,4-Dioxane	9.718	88	240	2.438	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.453	43	292656	50.499	ug/l	91
54) cis-1,3-Dichloropropene	10.365	75	105001	12.794	ug/l	# 71
57) 1,3-Dichloropropane	11.206	76	13318	1.525	ug/l	# 42
58) 2-Chloroethyl Vinyl ether	10.171	63	5230	2.044	ug/l	98
59) 2-Hexanone	11.206	43	145186	35.250	ug/l	# 51
68) m/p-Xylenes	12.082	106	2514	0.259	ug/l	89
74) N-amyl acetate	12.494	43	4188	0.571	ug/l	# 59
75) 1,1,2,2-Tetrachloroethane	12.953	83	1194	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.853	75	155745	28.461	ug/l	# 1
77) Bromobenzene	12.982	156	1199	Below Cal		88
80) 1,3,5-Trimethylbenzene	13.176	105	3385	0.201	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	155745	74.791	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.488	105	3385	0.207	ug/l	92
86) p-Isopropyltoluene	13.729	119	2929	0.202	ug/l	84
87) 1,3-Dichlorobenzene	13.741	146	2694	0.330	ug/l	91
88) 1,4-Dichlorobenzene	13.741	146	2694	0.328	ug/l	94

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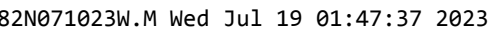
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

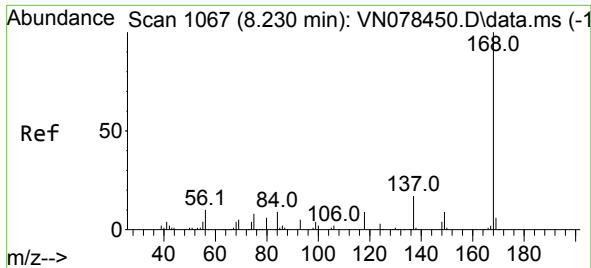
Quant Time: Jul 19 01:47:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
89) n-Butylbenzene	14.064	91	5810	0.561 ug/l	99
90) Hexachloroethane	14.335	117	312	Below Cal	75
91) 1,2-Dichlorobenzene	14.100	146	2535	0.312 ug/l #	62
92) 1,2-Dibromo-3-Chloropr...	14.717	75	412	Below Cal #	66
93) 1,2,4-Trichlorobenzene	15.405	180	933	0.360 ug/l #	1
94) Hexachlorobutadiene	15.517	225	1909	Below Cal	95
95) Naphthalene	15.647	128	8161	0.920 ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	3370	1.130 ug/l	82

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

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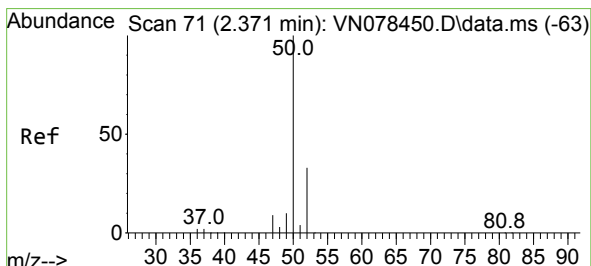
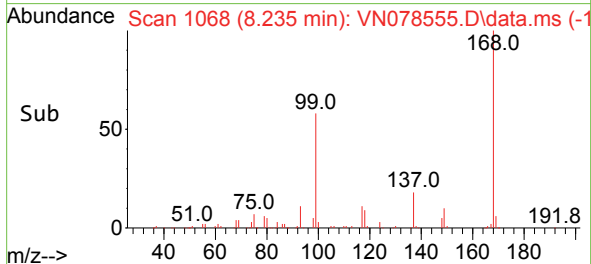
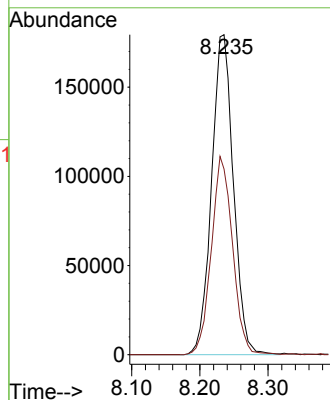
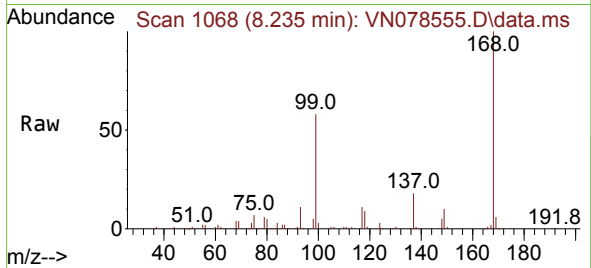




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

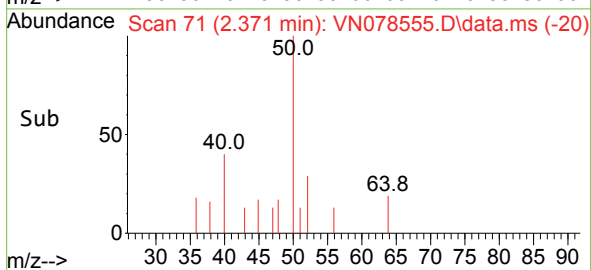
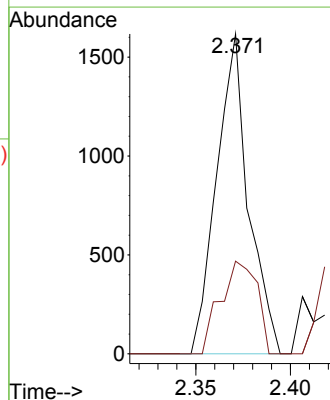
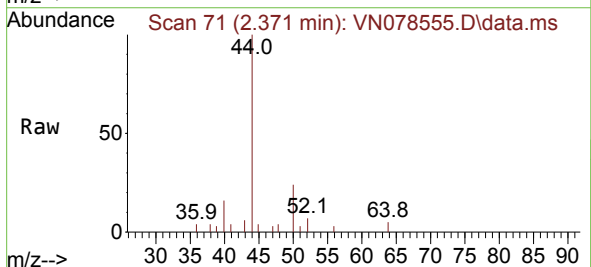
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

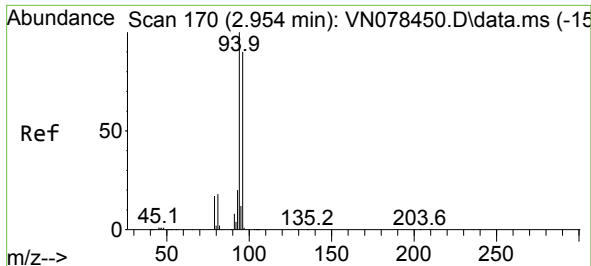
Tgt Ion:168 Resp: 399520
Ion Ratio Lower Upper
168 100
99 58.0 53.0 79.6



#3
Chloromethane
Concen: 0.355 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 50 Resp: 1892
Ion Ratio Lower Upper
50 100
52 29.0 26.5 39.7

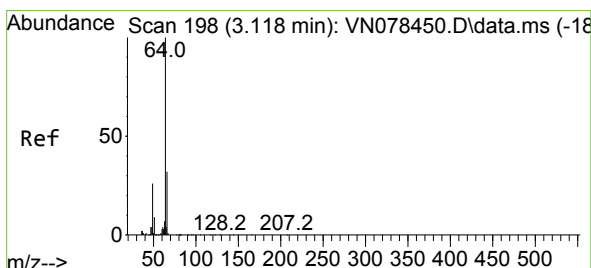
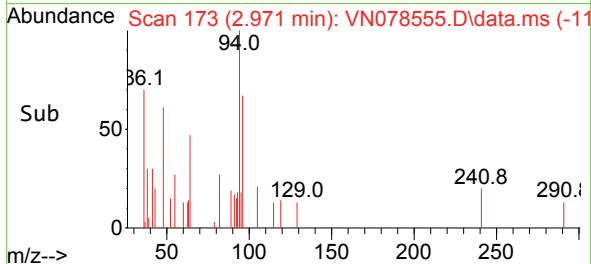
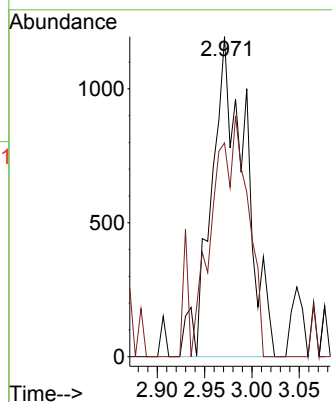
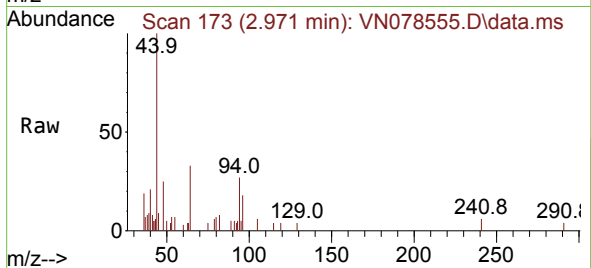




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 170
Delta R.T. 0.017 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

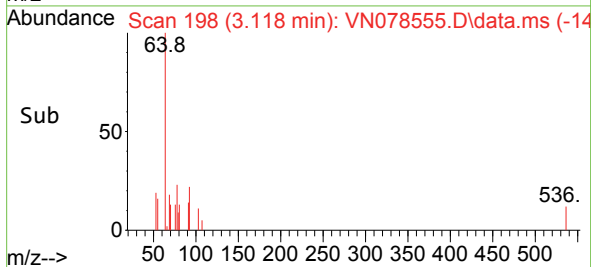
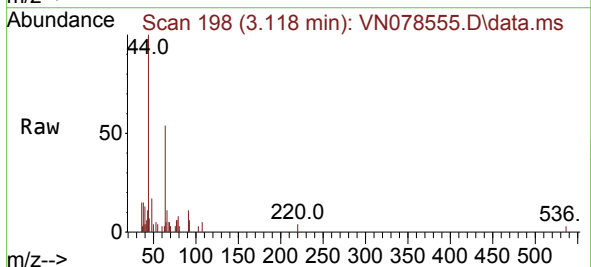
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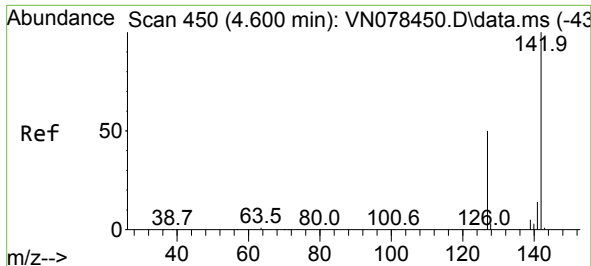
Tgt Ion: 94 Resp: 3022
Ion Ratio Lower Upper
94 100
96 66.8 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

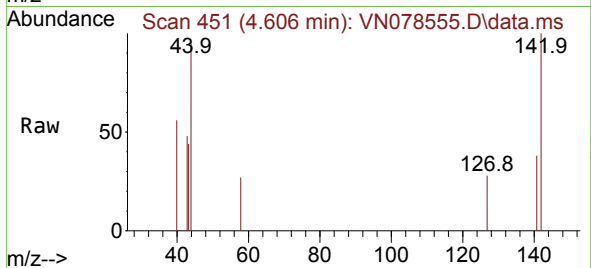
Tgt Ion: 64 Resp: 5785
Ion Ratio Lower Upper
64 100
66 44.0 25.4 38.2#



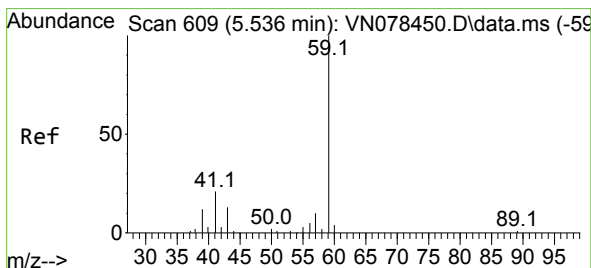
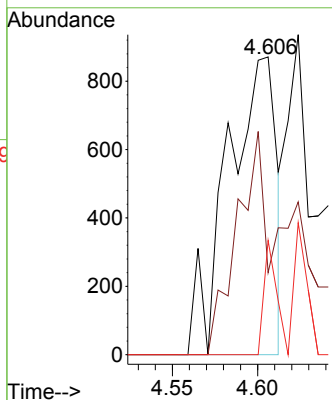
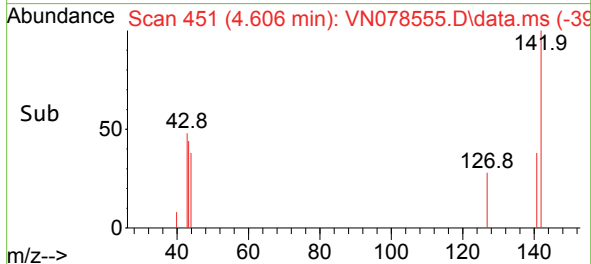


#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 4.606 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

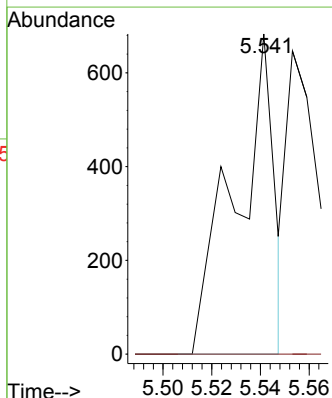
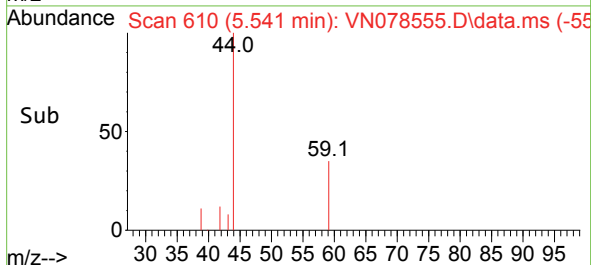
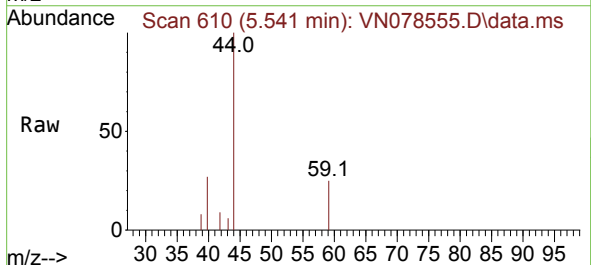


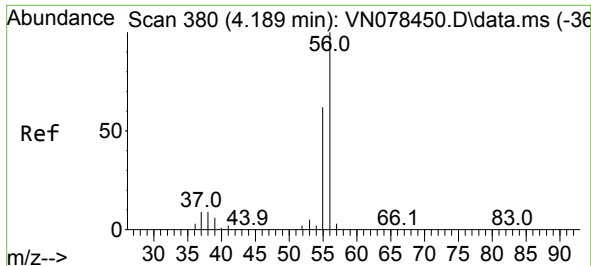
Tgt Ion:142 Resp: 1735
Ion Ratio Lower Upper
142 100
127 27.6 37.6 56.4#
141 38.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.907 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 59 Resp: 749
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

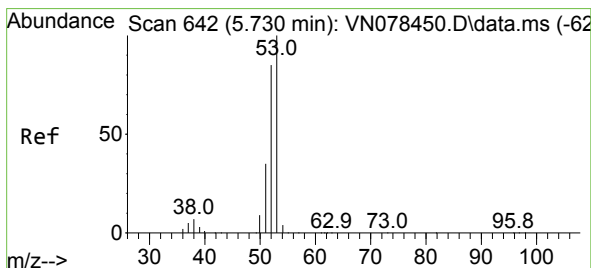
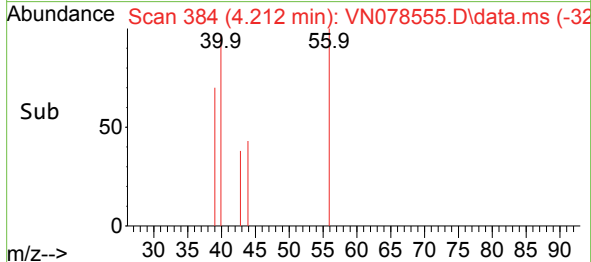
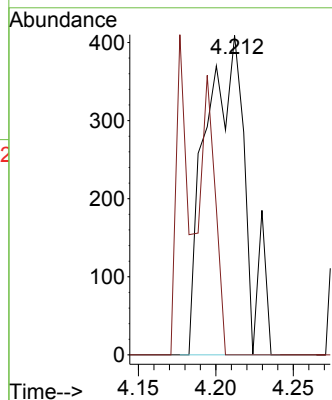
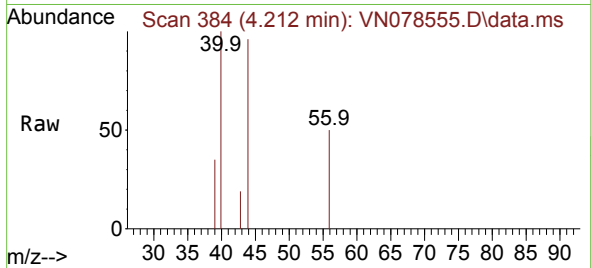




#13
Acrolein
Concen: 0.907 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

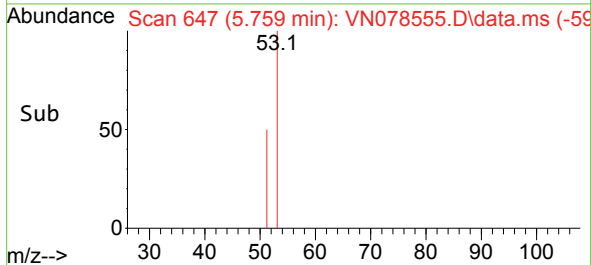
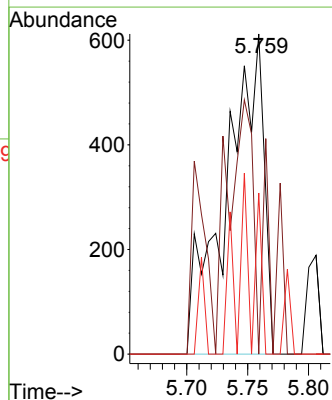
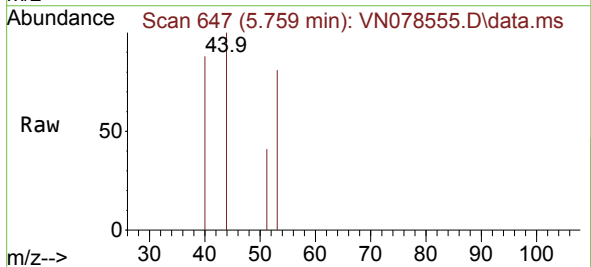
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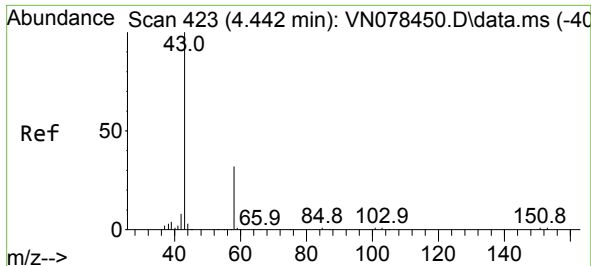
Tgt Ion: 56 Resp: 737
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#15
Acrylonitrile
Concen: 0.631 ug/l
RT: 5.759 min Scan# 647
Delta R.T. 0.029 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 53 Resp: 1316
Ion Ratio Lower Upper
53 100
52 51.7 65.3 97.9#
51 17.6 28.9 43.3#

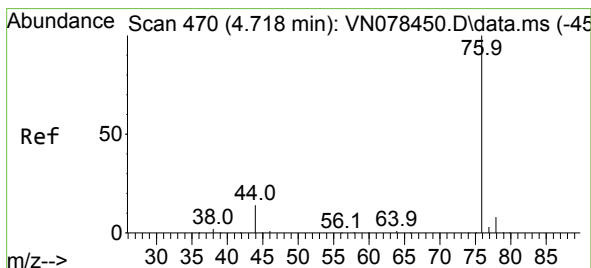
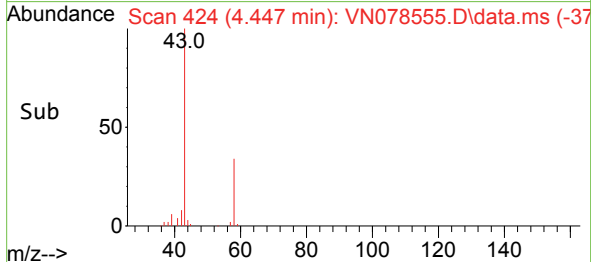
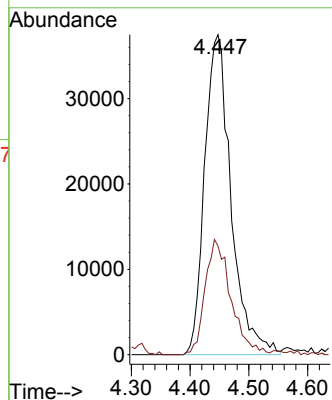
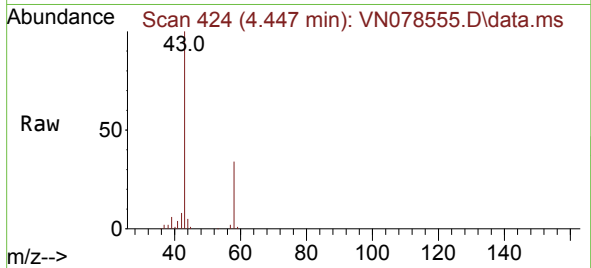




#16
Acetone
Concen: 69.963 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

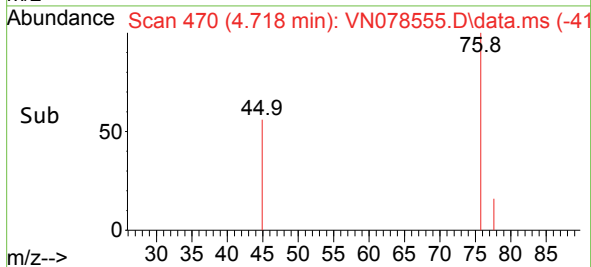
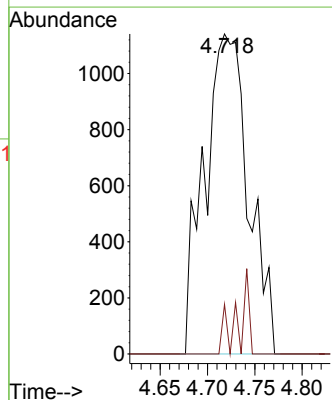
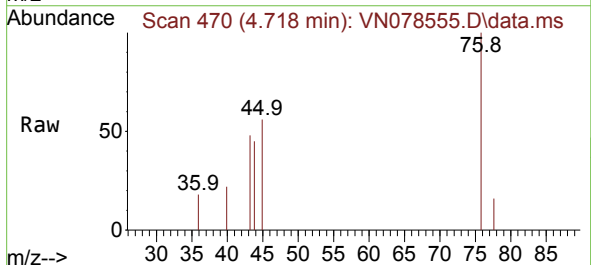
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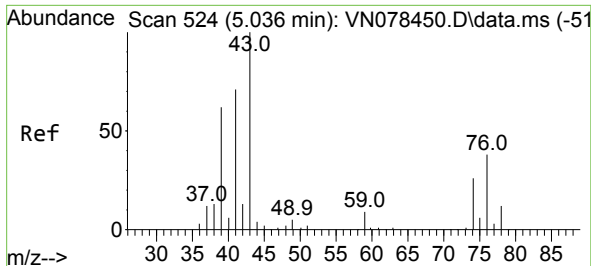
Tgt Ion: 43 Resp: 116725
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0



#17
Carbon Disulfide
Concen: 0.305 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 76 Resp: 3712
Ion Ratio Lower Upper
76 100
78 15.5 7.4 11.0#





#18

Methyl Acetate

Concen: 0.378 ug/l

RT: 5.065 min Scan# 51

Delta R.T. 0.029 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

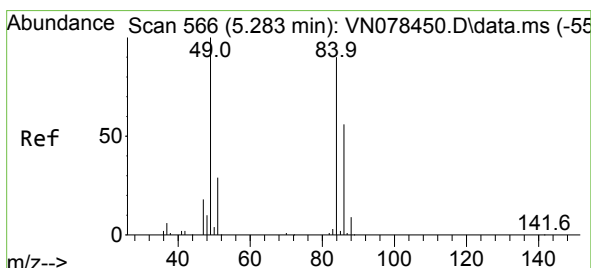
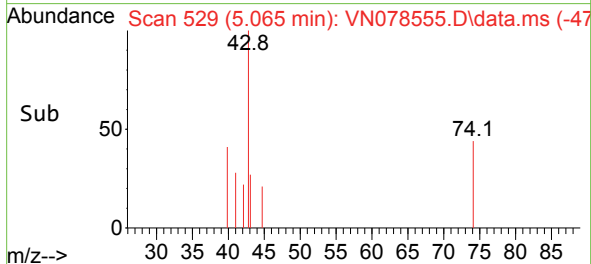
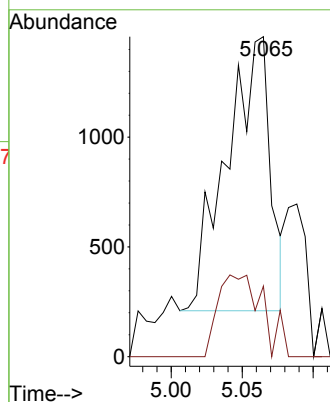
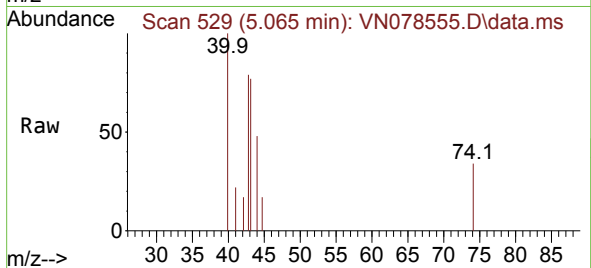
PB154251TB

Tgt Ion: 43 Resp: 2668

Ion Ratio Lower Upper

43 100

74 0.0 26.2 39.4#



#20

Methylene Chloride

Concen: 3.860 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.011 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Tgt Ion: 84 Resp: 23870

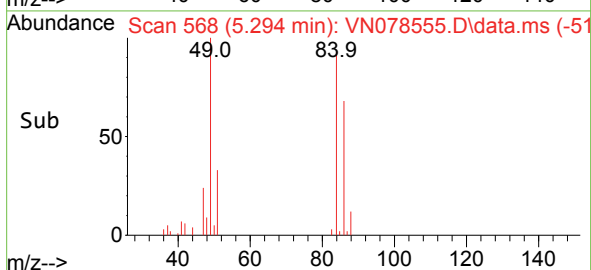
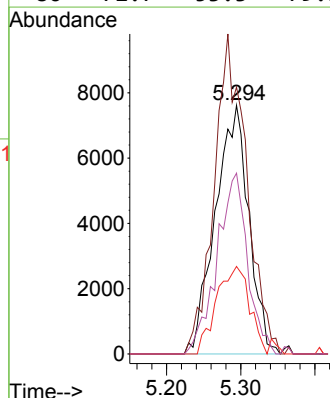
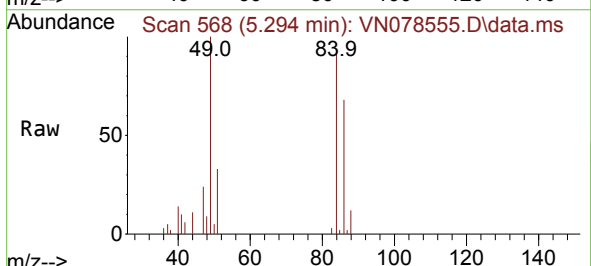
Ion Ratio Lower Upper

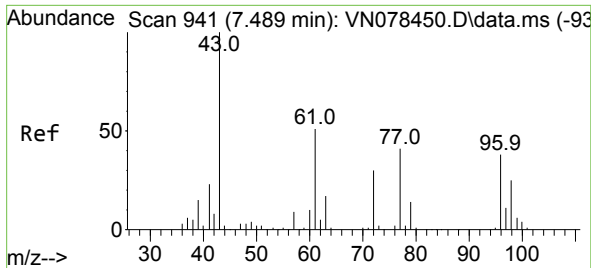
84 100

49 107.3 79.7 119.5

51 35.2 25.2 37.8

86 72.7 53.3 79.9

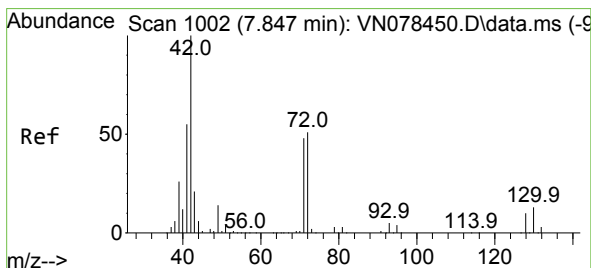
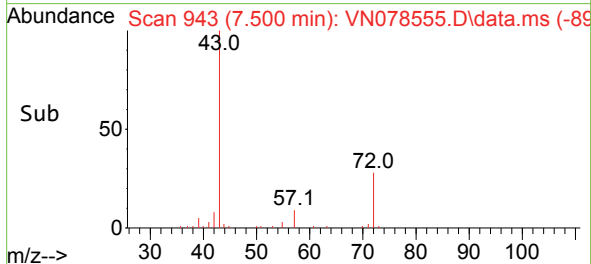
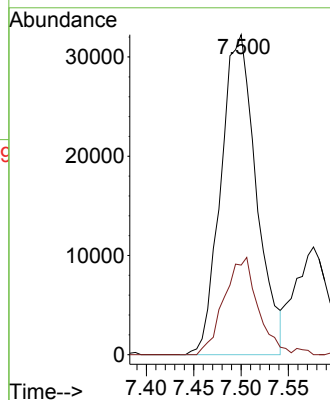
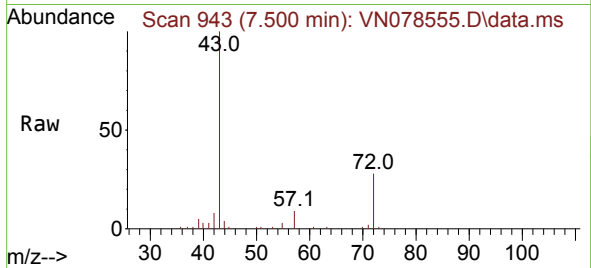




#25
2-Butanone
Concen: 32.018 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

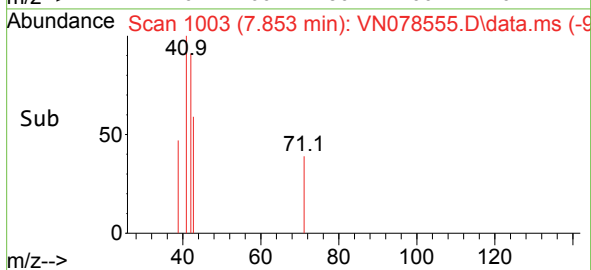
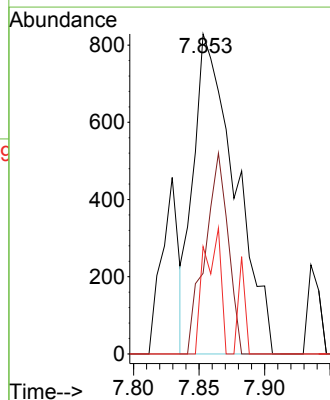
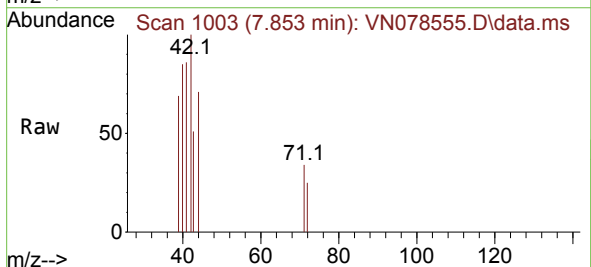
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

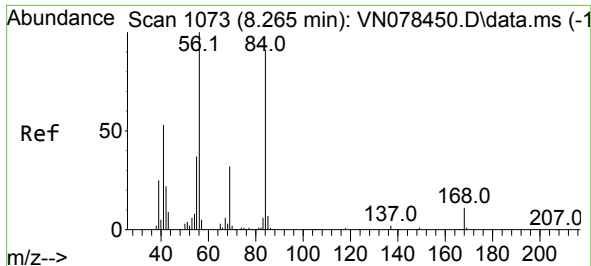
Tgt Ion: 43 Resp: 84089
Ion Ratio Lower Upper
43 100
72 28.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 1.063 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

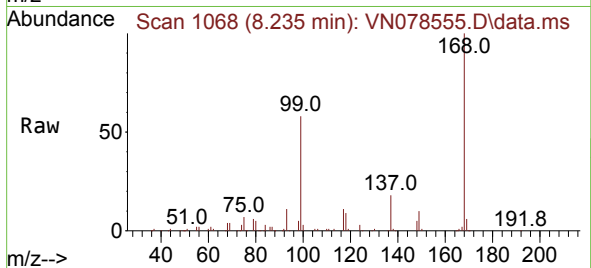
Tgt Ion: 42 Resp: 1831
Ion Ratio Lower Upper
42 100
72 34.7 49.8 74.6#
71 15.6 47.4 71.2#



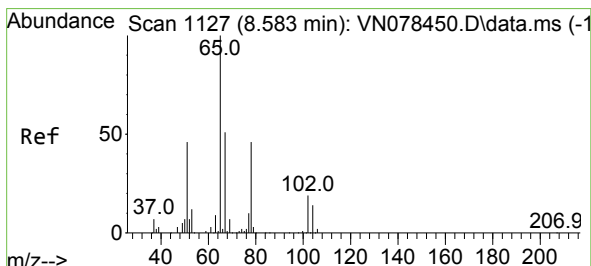
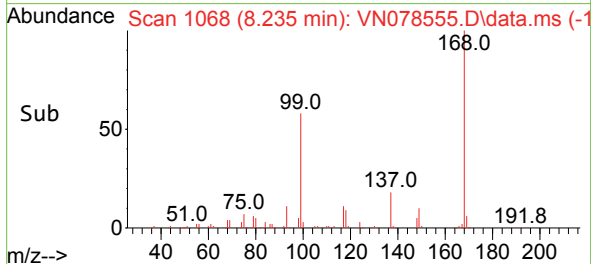
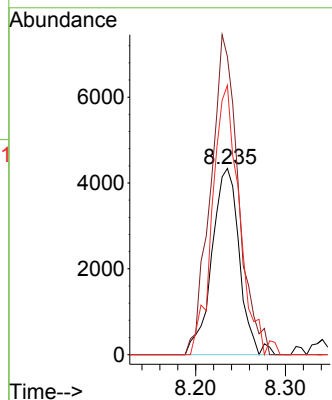


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

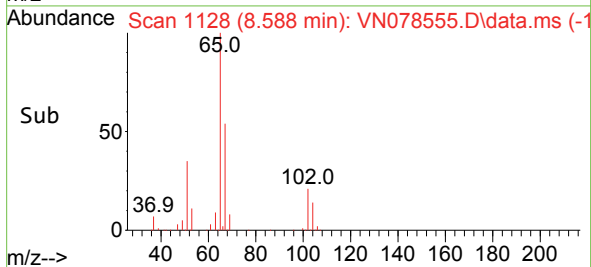
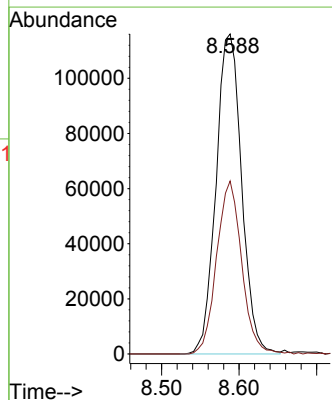
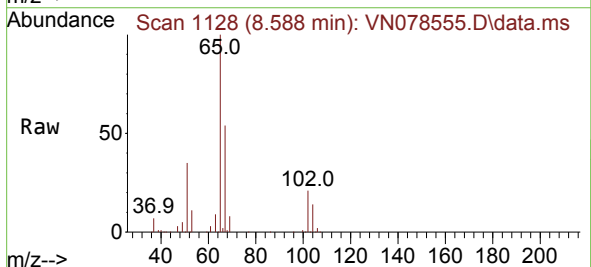


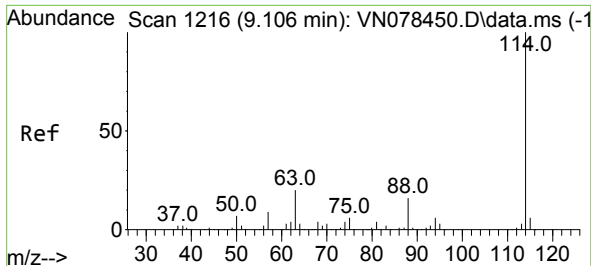
Tgt Ion: 56 Resp: 9202
Ion Ratio Lower Upper
56 100
69 160.0 26.8 40.2#
84 144.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.808 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 65 Resp: 266771
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6

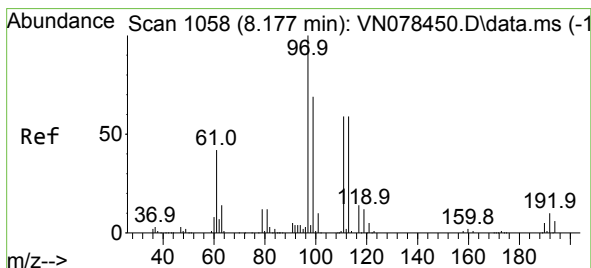
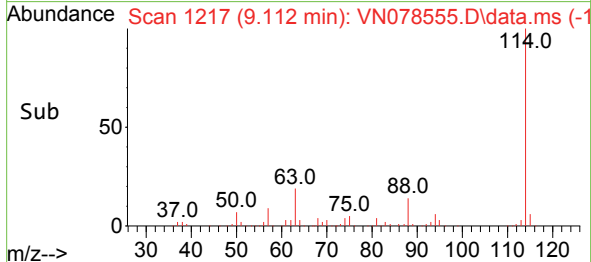
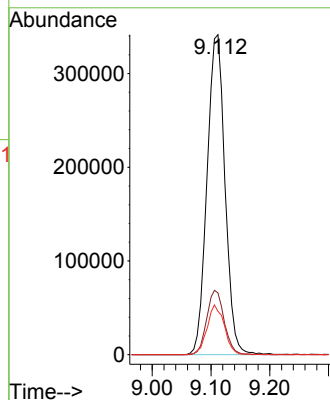
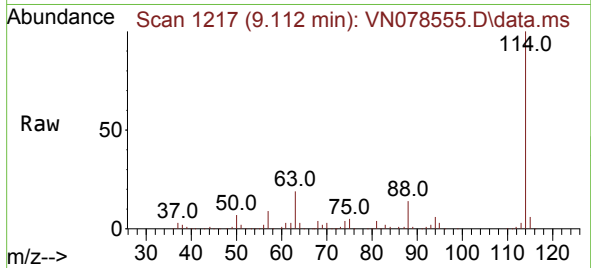




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

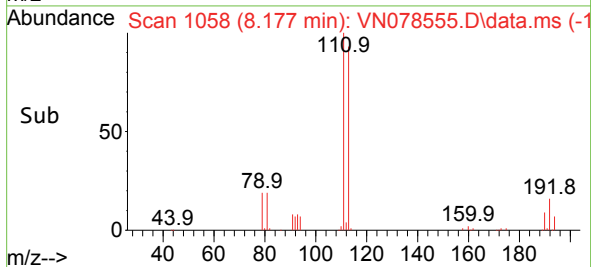
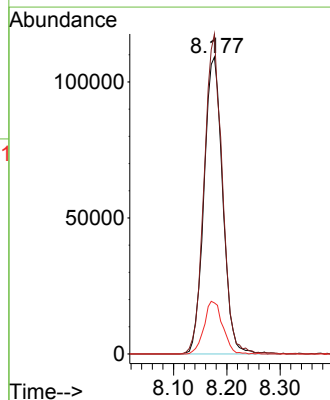
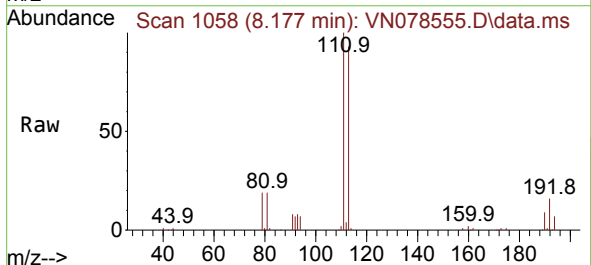
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

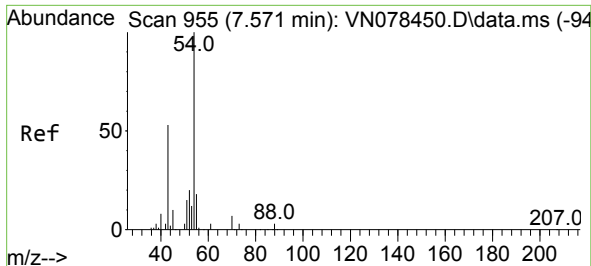
Tgt Ion:114 Resp: 724270
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 13.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.154 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion:113 Resp: 266251
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 17.6 12.7 19.1

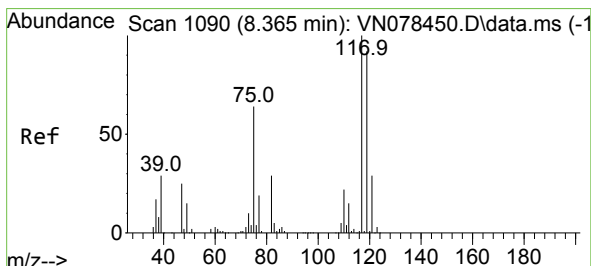
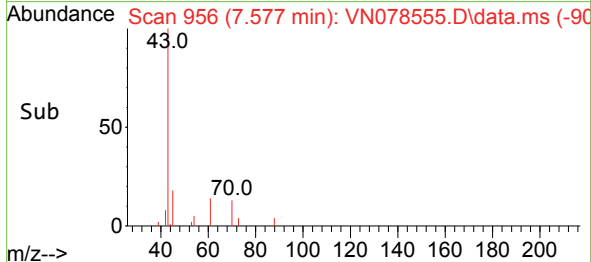
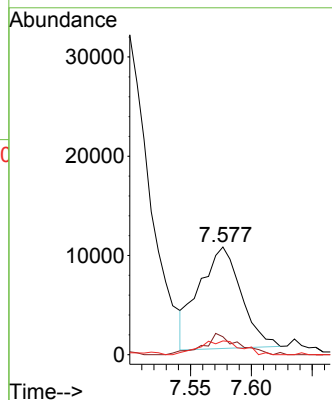
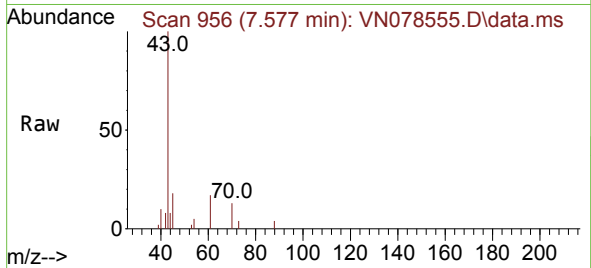




#37
Ethyl Acetate
Concen: 4.163 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

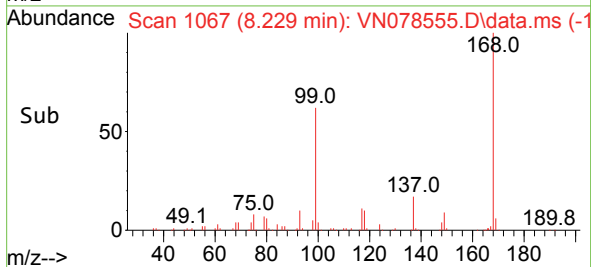
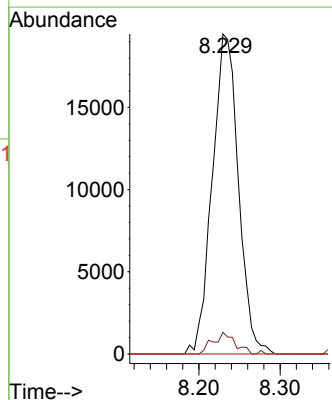
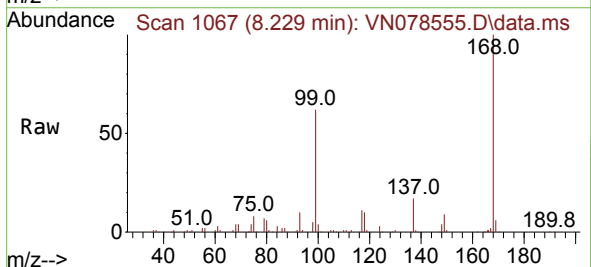
Instrument :
MSVOA_N
ClientSampleId :
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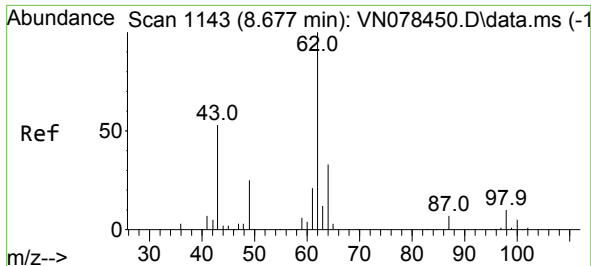
Tgt Ion: 43 Resp: 24636
Ion Ratio Lower Upper
43 100
61 17.2 13.2 19.8
70 13.4 11.3 16.9



#38
Carbon Tetrachloride
Concen: 5.637 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 117 Resp: 43489
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

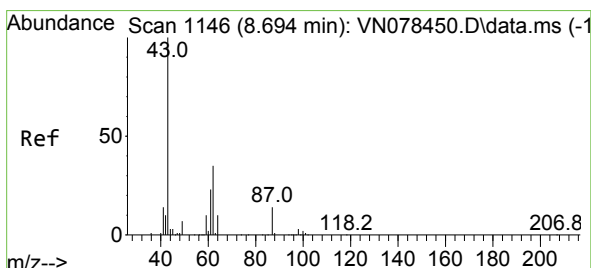
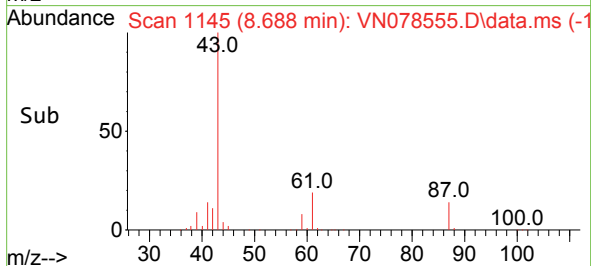
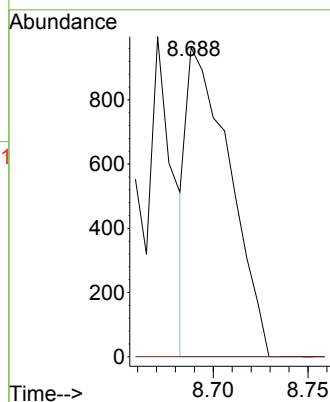
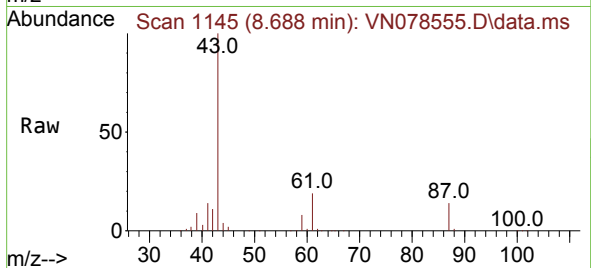
PB154251TB

Tgt Ion: 62 Resp: 1509

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 27.417 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

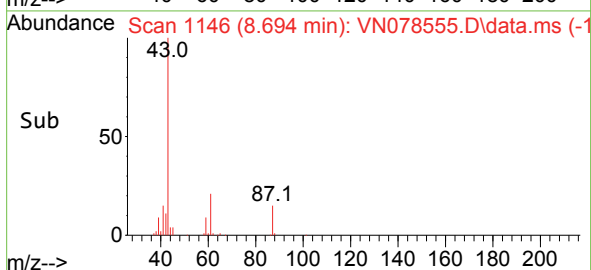
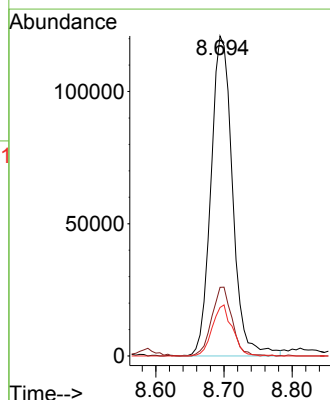
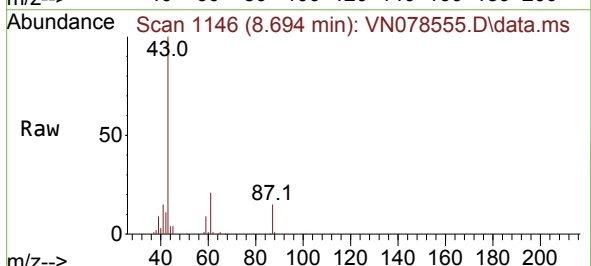
Tgt Ion: 43 Resp: 267132

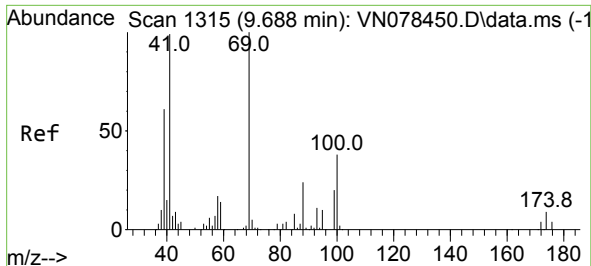
Ion Ratio Lower Upper

43 100

61 20.2 24.7 37.1#

87 14.8 14.6 21.8

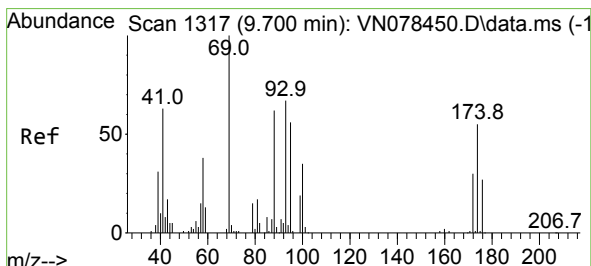
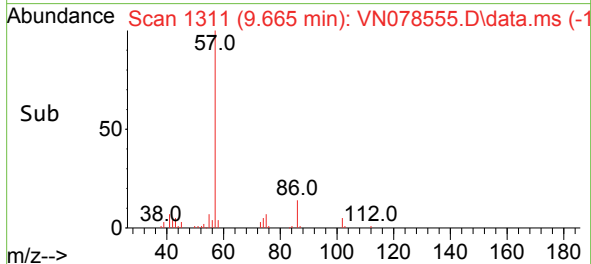
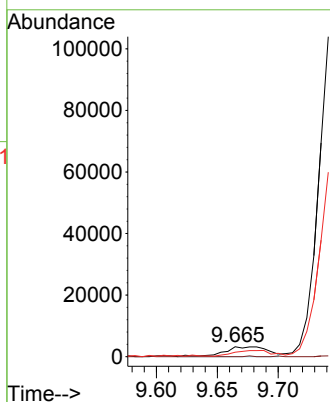
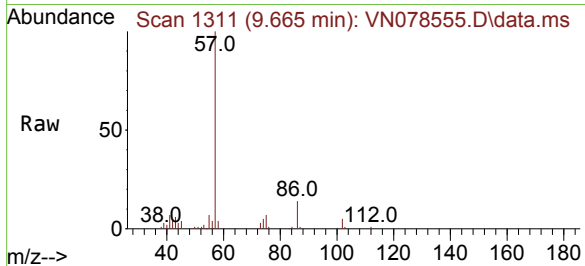




#48
Methyl methacrylate
Concen: 1.777 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

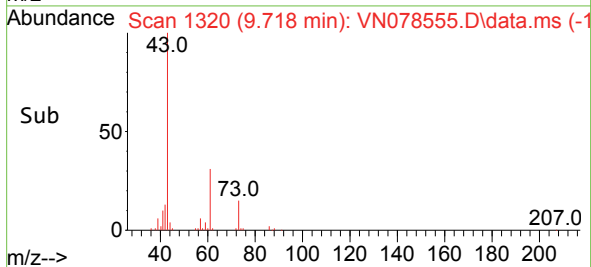
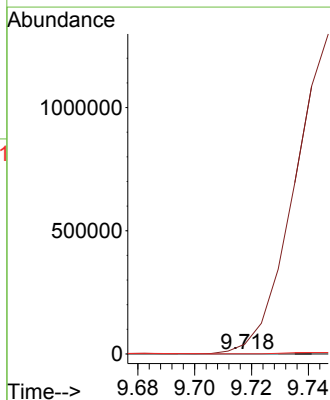
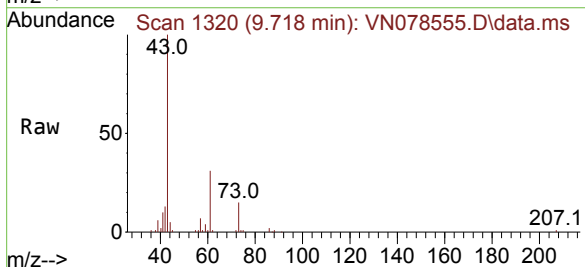
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

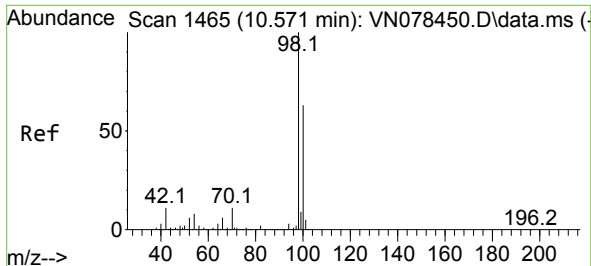
Tgt Ion: 41 Resp: 8021
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 2.438 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

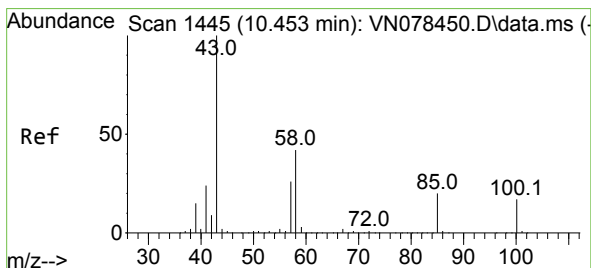
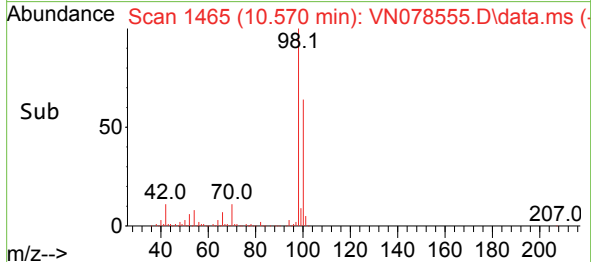
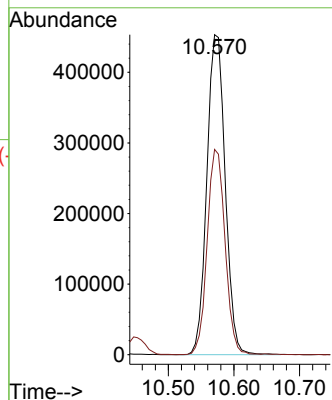
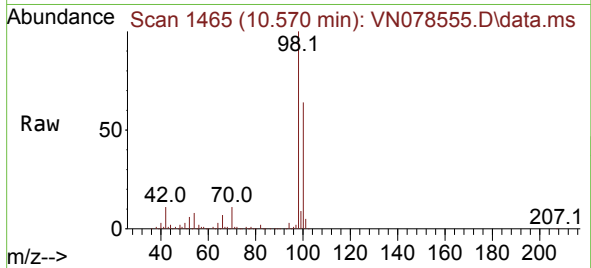




#50
Toluene-d8
Concen: 47.585 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

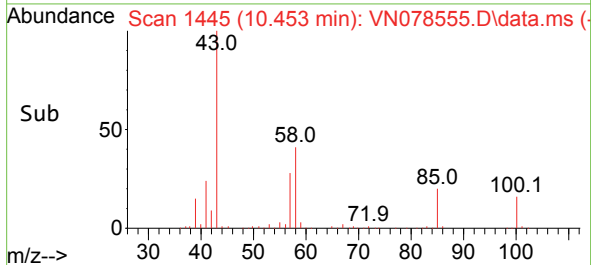
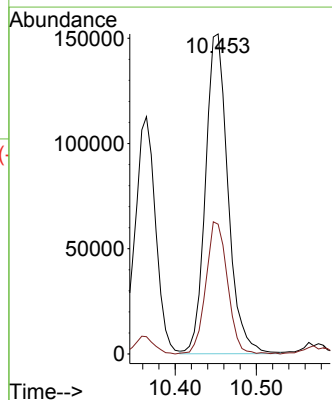
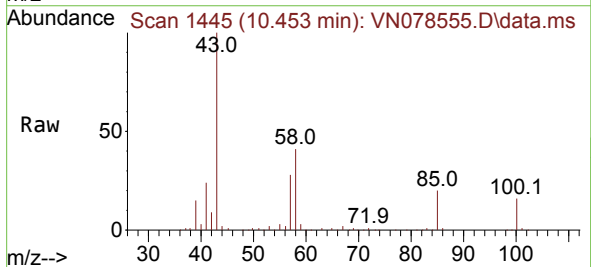
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

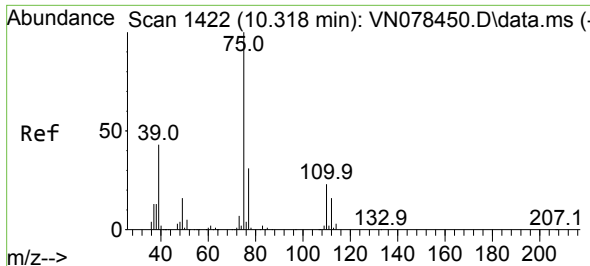
Tgt Ion: 98 Resp: 883805
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 50.499 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 43 Resp: 292656
Ion Ratio Lower Upper
43 100
58 39.8 36.6 54.8

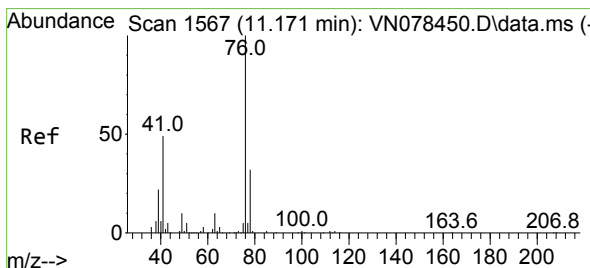
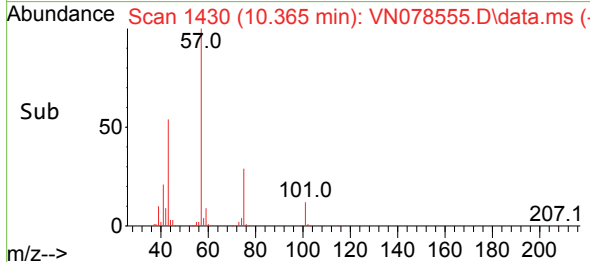
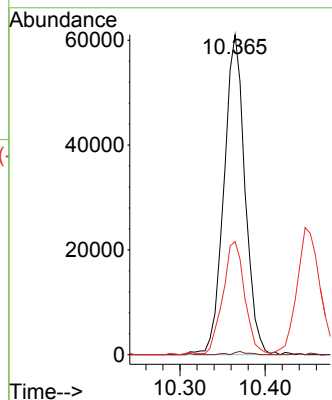
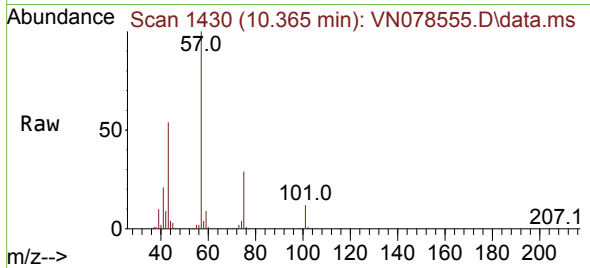




#54
 cis-1,3-Dichloropropene
 Concen: 12.794 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078555.D
 Acq: 18 Jul 2023 12:49

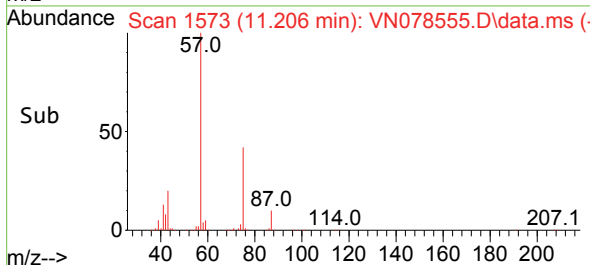
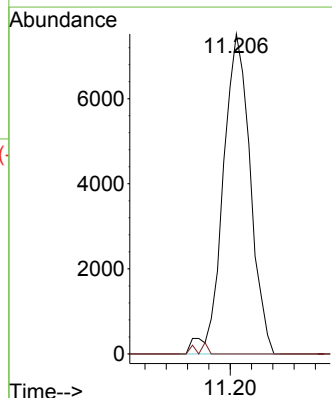
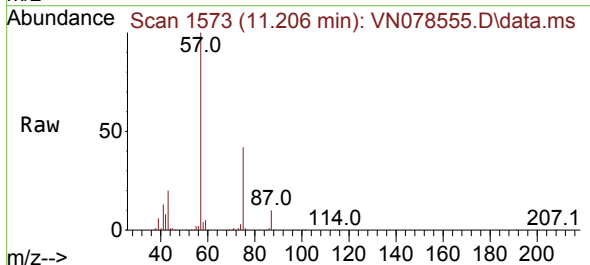
Instrument :
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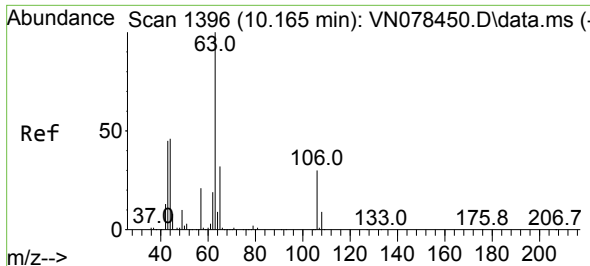
Tgt Ion: 75 Resp: 105001
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 35.3 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.525 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.035 min
 Lab File: VN078555.D
 Acq: 18 Jul 2023 12:49

Tgt Ion: 76 Resp: 13318
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

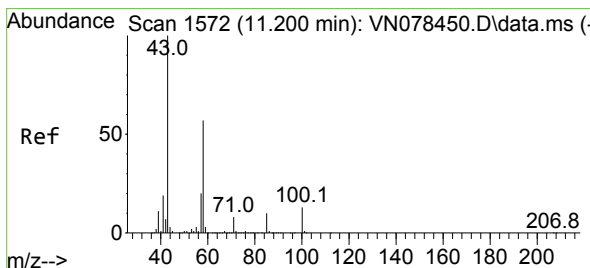
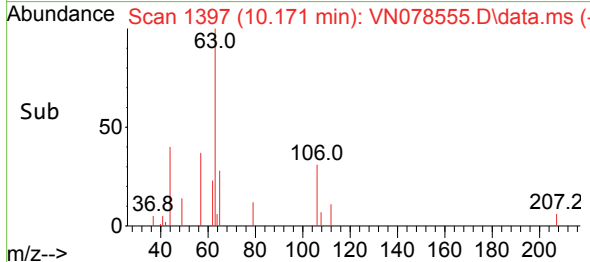
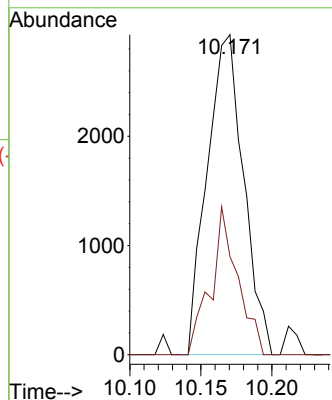
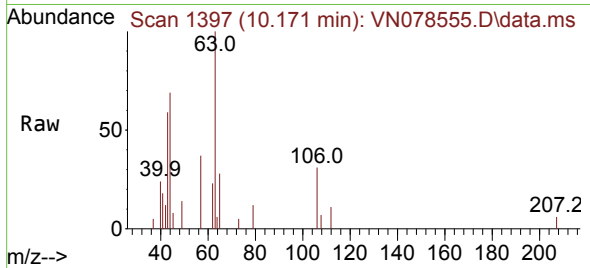




#58
2-Chloroethyl Vinyl ether
Concen: 2.044 ug/l
RT: 10.171 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

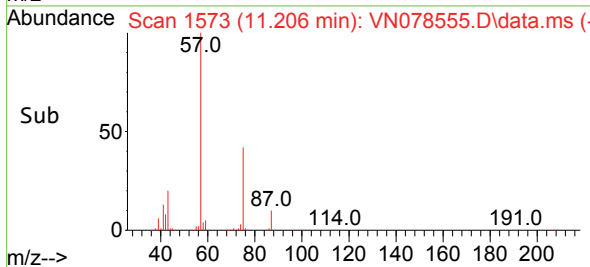
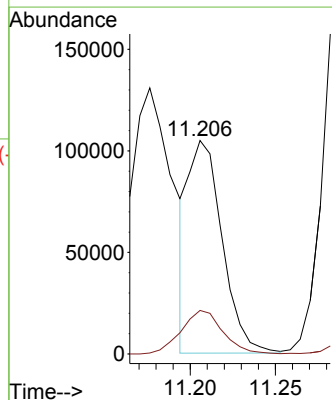
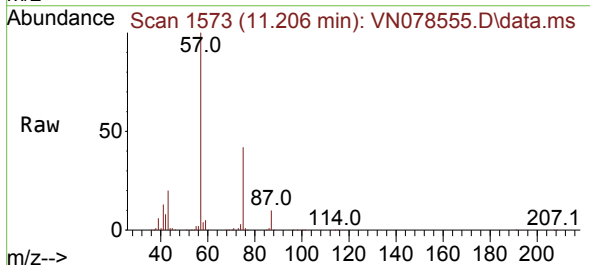
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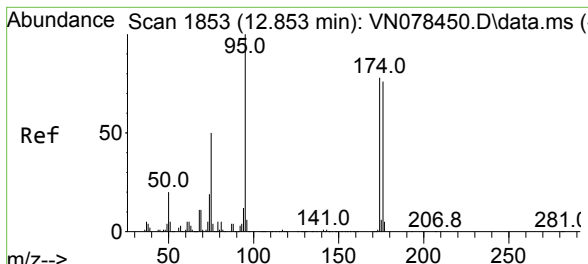
Tgt Ion: 63 Resp: 5230
Ion Ratio Lower Upper
63 100
106 34.1 26.2 39.4



#59
2-Hexanone
Concen: 35.250 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 43 Resp: 145186
Ion Ratio Lower Upper
43 100
58 25.2 31.7 95.1#

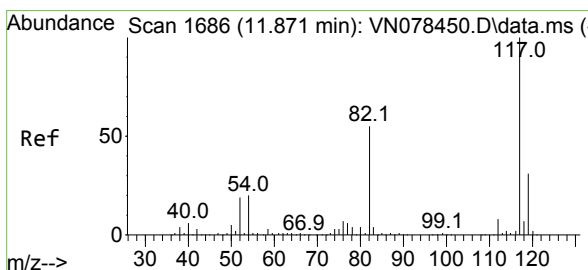
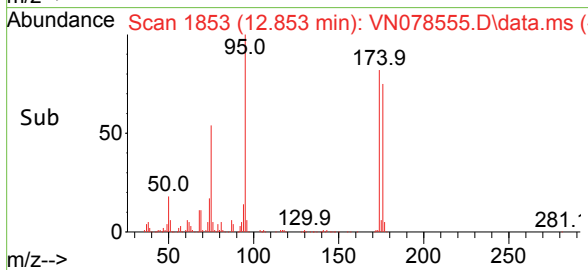
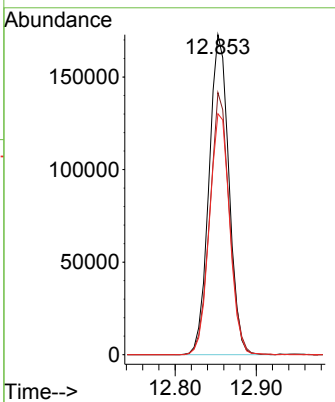
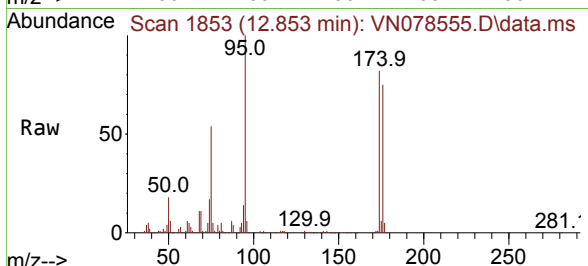




#62
 4-Bromofluorobenzene
 Concen: 51.411 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078555.D
 Acq: 18 Jul 2023 12:49

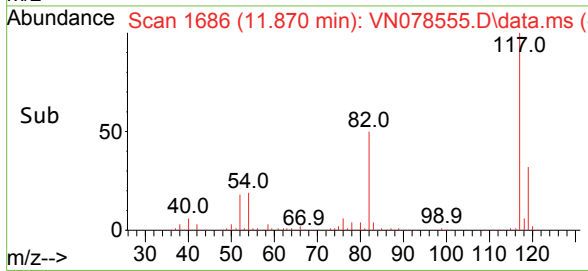
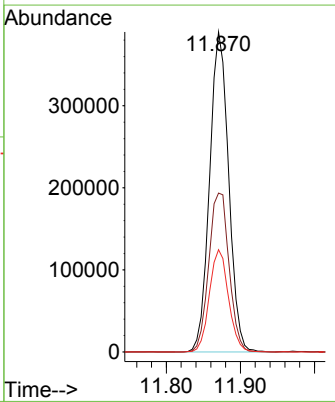
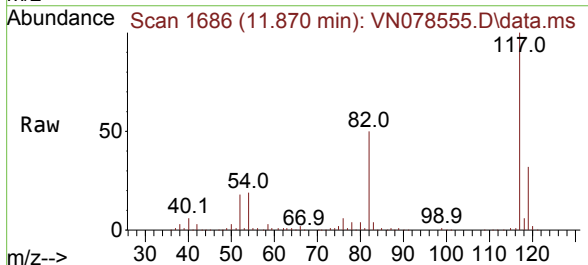
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251TB

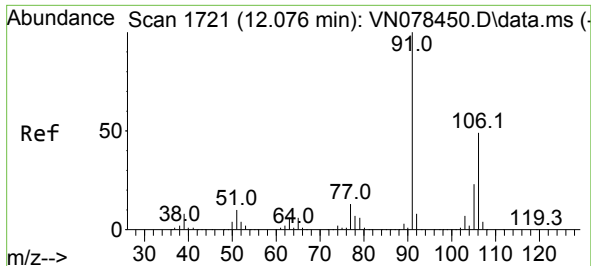
Tgt Ion:	95	Resp:	294120
Ion Ratio	Lower	Upper	
95	100		
174	81.0	0.0	143.8
176	76.8	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078555.D
 Acq: 18 Jul 2023 12:49

Tgt Ion:	117	Resp:	694759
Ion Ratio	Lower	Upper	
117	100		
82	49.7	44.0	66.0
119	32.0	25.6	38.4

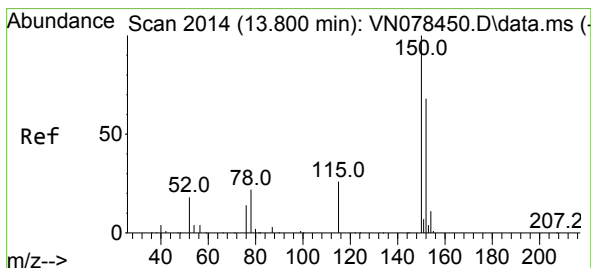
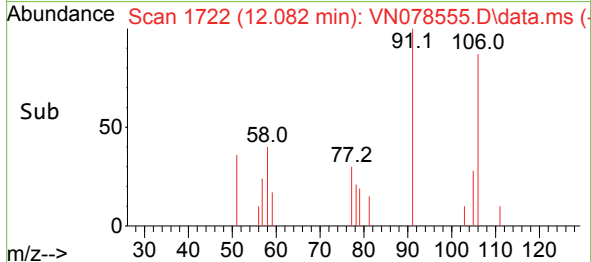
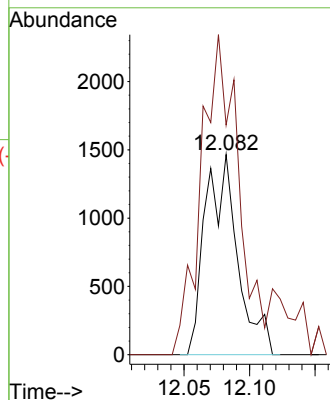
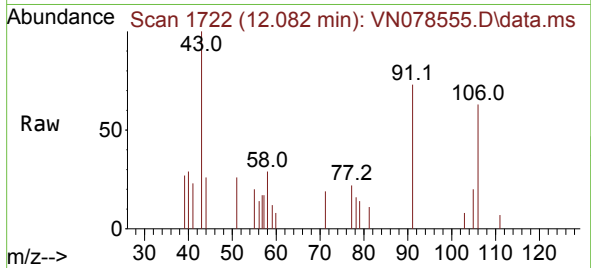




#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 12.082 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

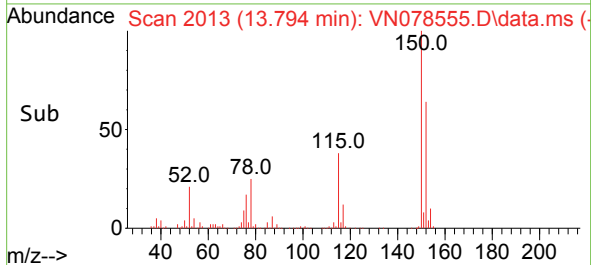
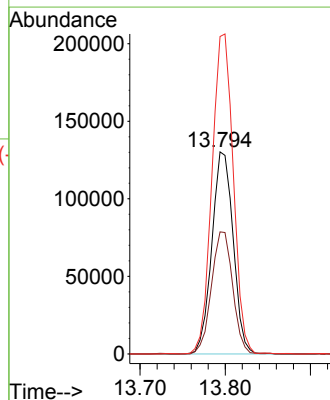
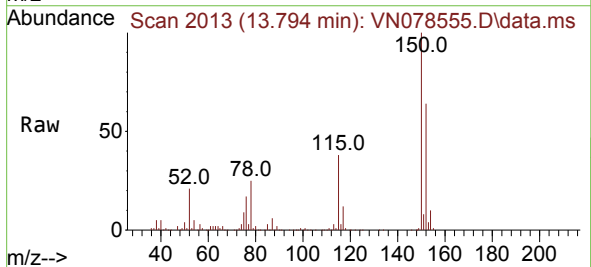
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

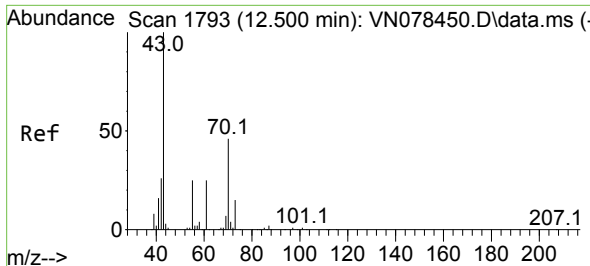
Tgt Ion:106 Resp: 2514
Ion Ratio Lower Upper
106 100
91 182.5 159.6 239.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

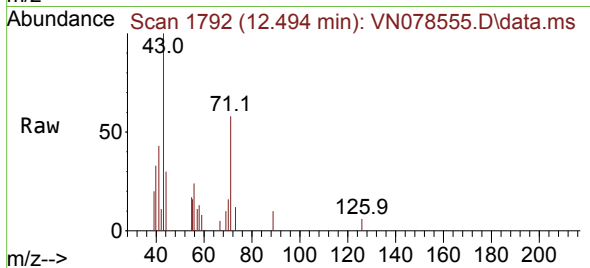
Tgt Ion:152 Resp: 226392
Ion Ratio Lower Upper
152 100
115 60.2 32.3 96.8
150 158.5 0.0 355.8



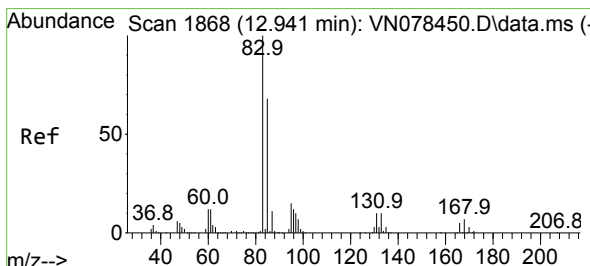
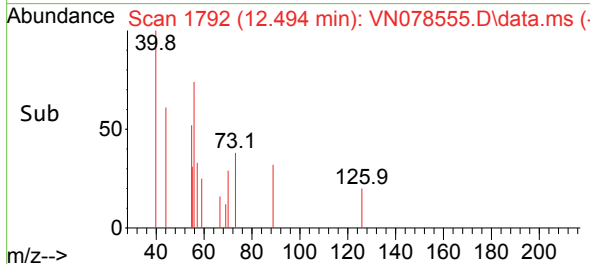
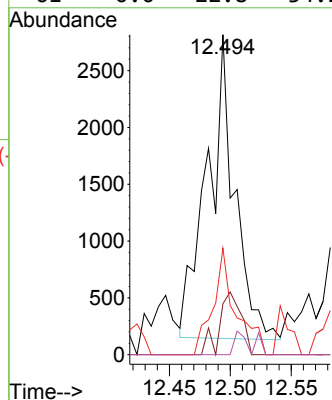


#74
N-amy1 acetate
Concen: 0.571 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

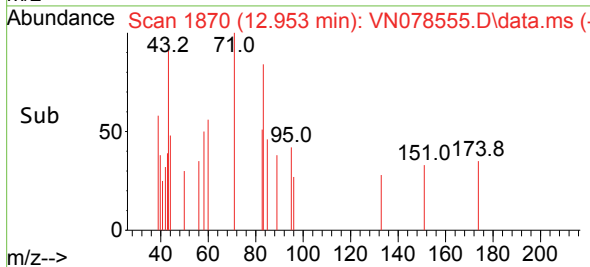
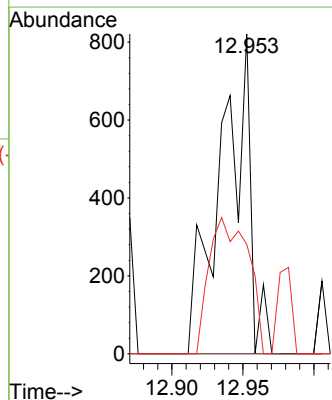
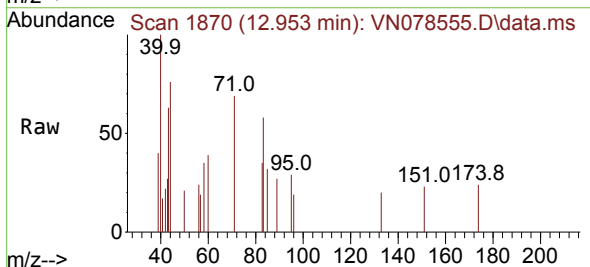


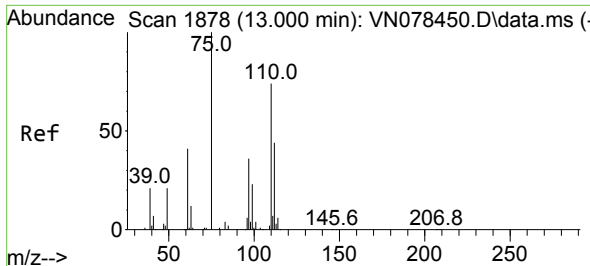
Tgt Ion: 43 Resp: 4188
Ion Ratio Lower Upper
43 100
70 16.5 43.4 65.2#
55 29.4 21.4 32.0
61 0.0 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1870
Delta R.T. 0.012 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 83 Resp: 1194
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 56.2 31.9 95.7

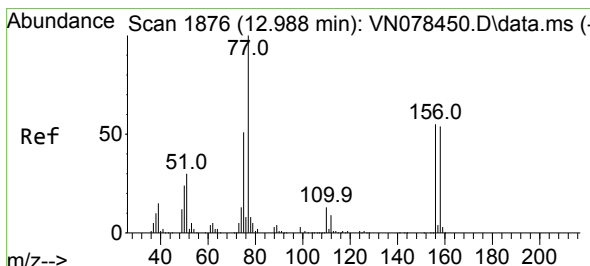
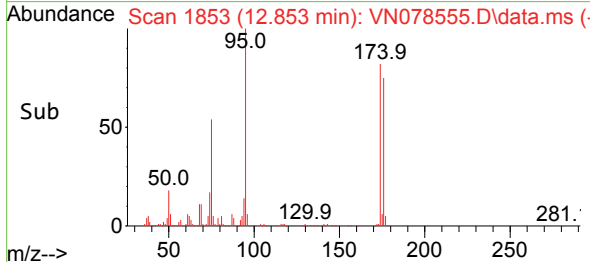
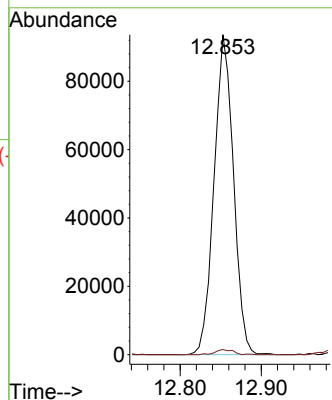
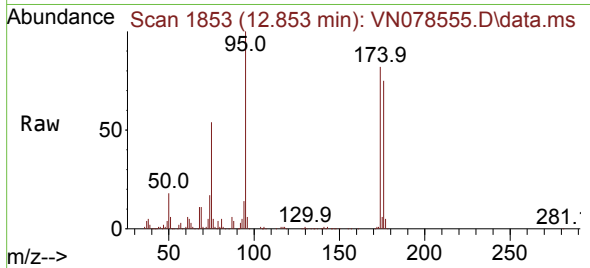




#76
1,2,3-Trichloropropane
Concen: 28.461 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

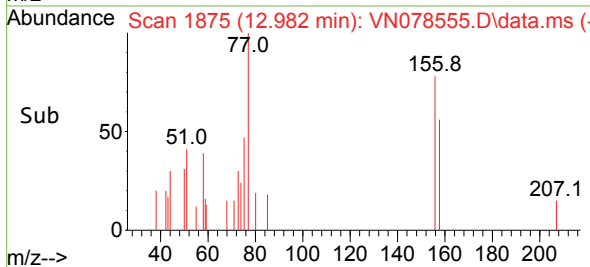
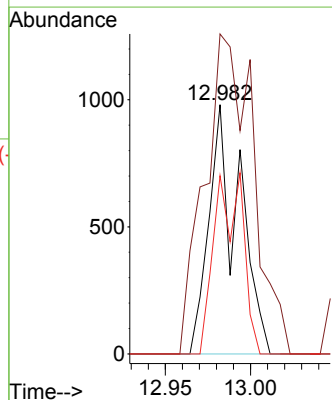
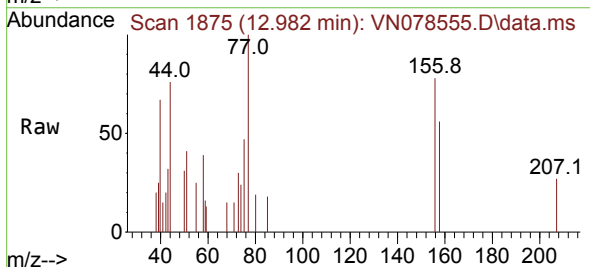
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

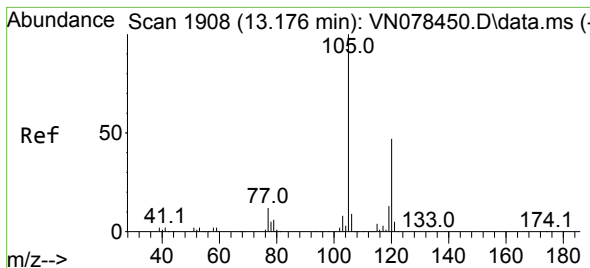
Tgt Ion: 75 Resp: 155745
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion:156 Resp: 1199
Ion Ratio Lower Upper
156 100
77 207.6 107.7 323.3
158 68.5 48.4 145.3





#80

1,3,5-Trimethylbenzene

Concen: 0.201 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

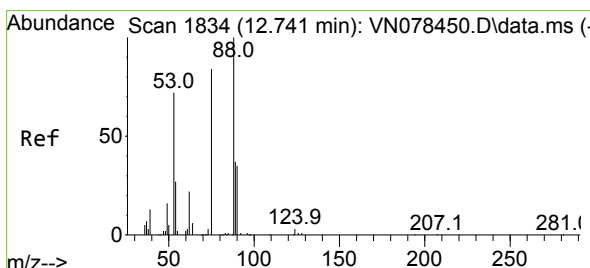
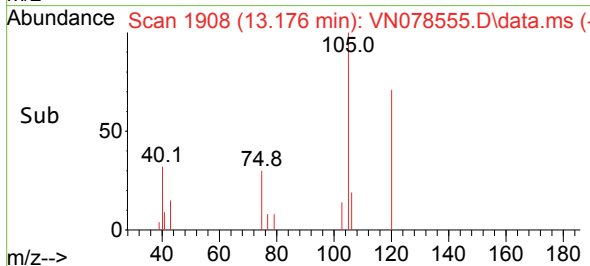
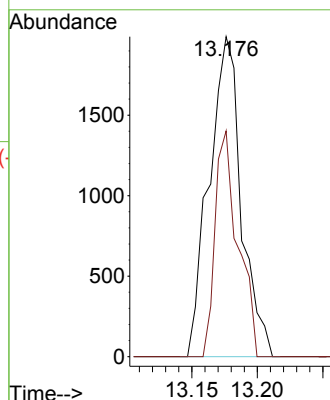
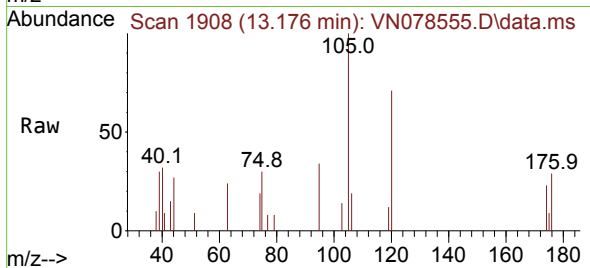
PB154251TB

Tgt Ion:105 Resp: 3385

Ion Ratio Lower Upper

105 100

120 50.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 74.791 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

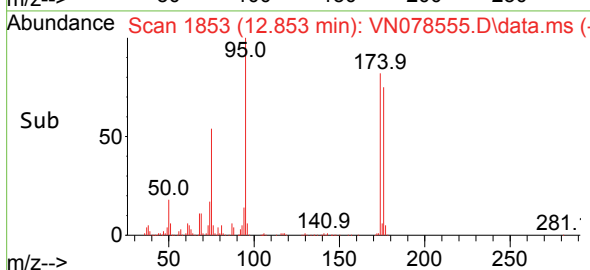
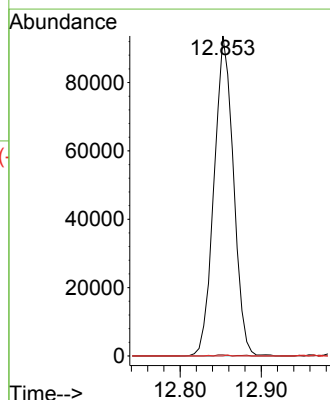
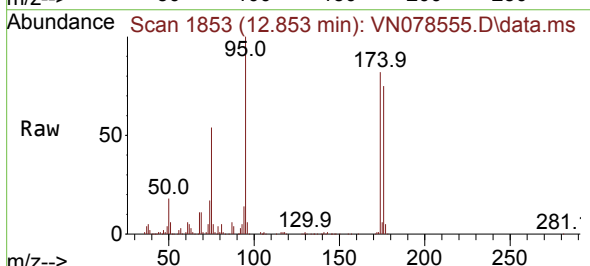
Tgt Ion: 75 Resp: 155745

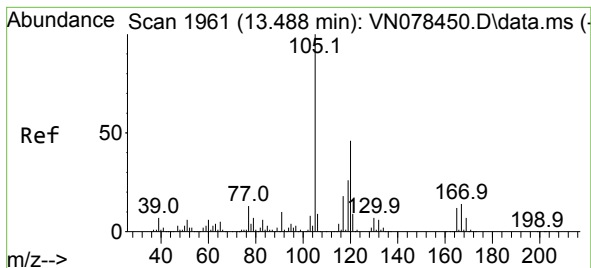
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.1 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.207 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

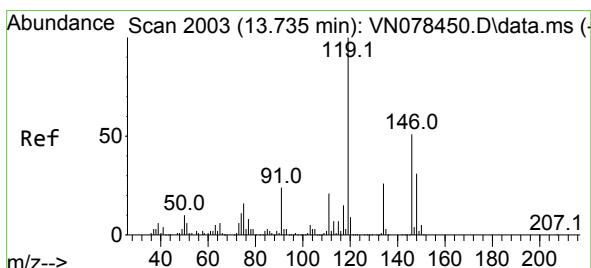
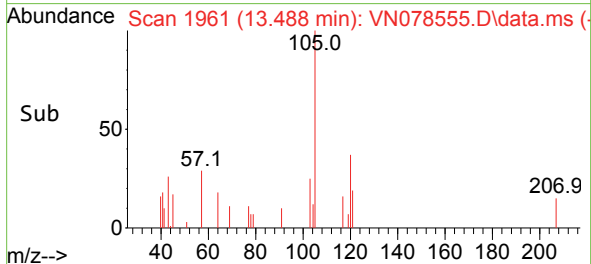
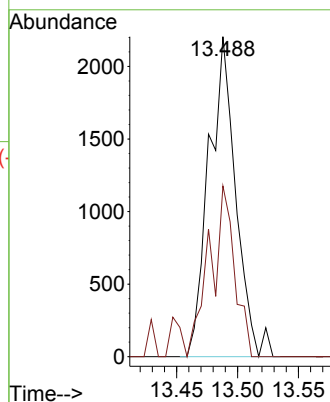
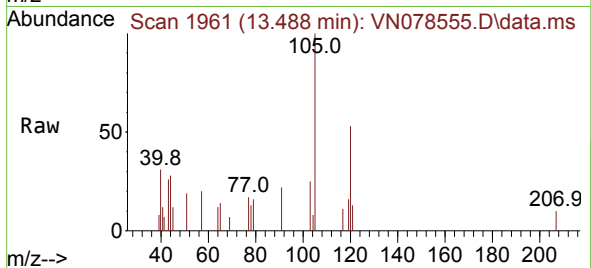
PB154251TB

Tgt Ion:105 Resp: 3385

Ion Ratio Lower Upper

105 100

120 49.0 22.0 66.0



#86

p-Isopropyltoluene

Concen: 0.202 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

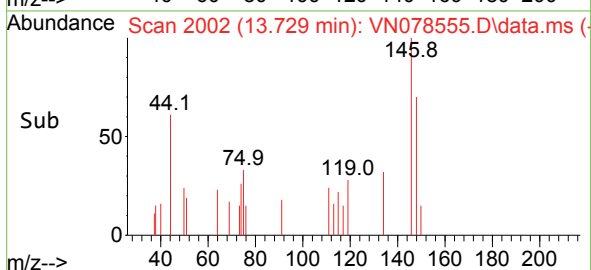
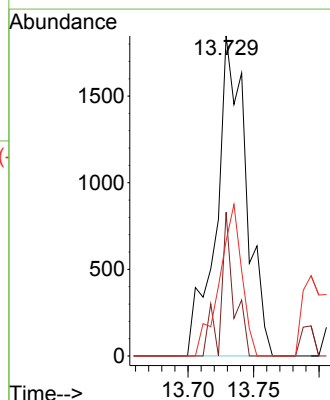
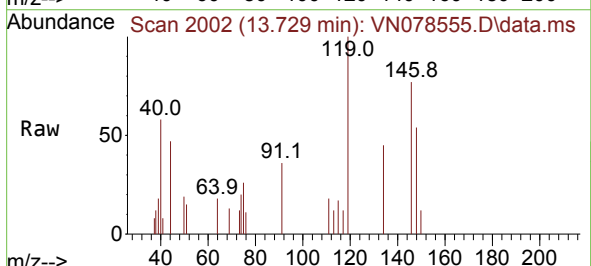
Tgt Ion:119 Resp: 2929

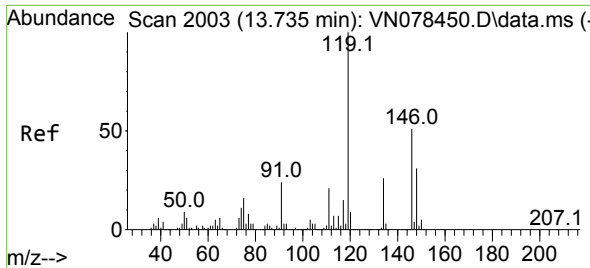
Ion Ratio Lower Upper

119 100

134 20.1 12.6 37.8

91 35.5 12.4 37.2

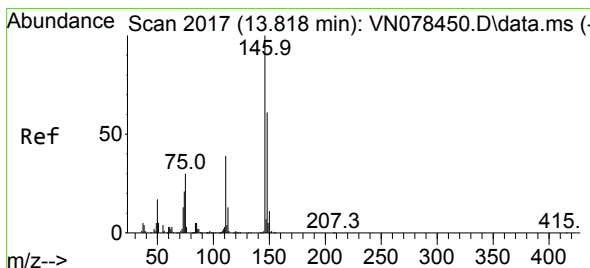
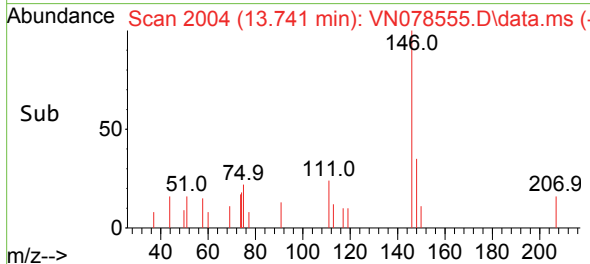
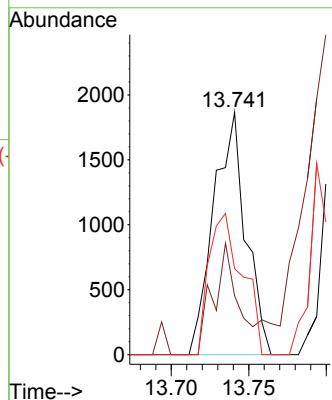
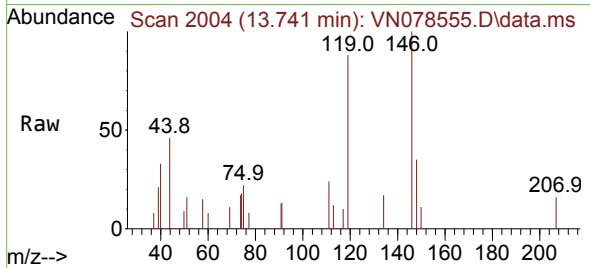




#87
1,3-Dichlorobenzene
Concen: 0.330 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

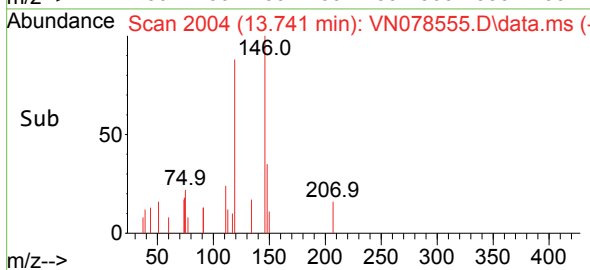
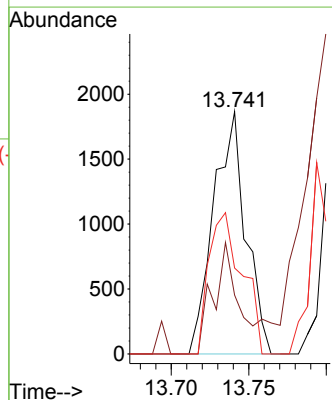
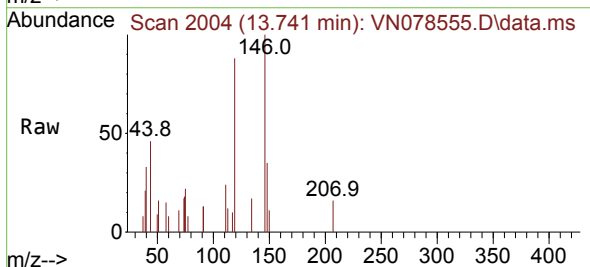
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

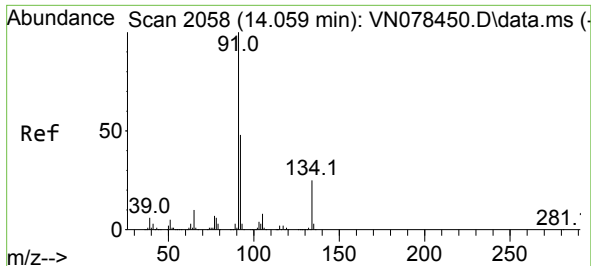
Tgt Ion:146 Resp: 2694
Ion Ratio Lower Upper
146 100
111 35.2 22.1 66.3
148 60.2 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.328 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.077 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion:146 Resp: 2694
Ion Ratio Lower Upper
146 100
111 35.2 20.6 61.8
148 60.2 31.6 94.8

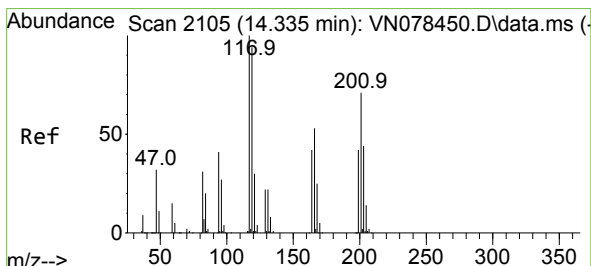
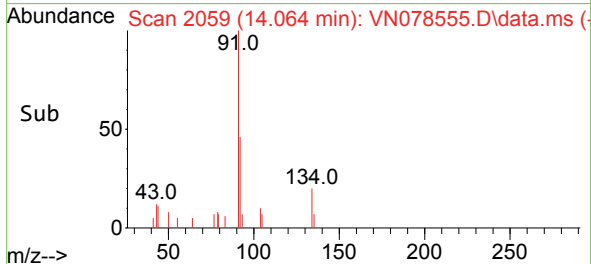
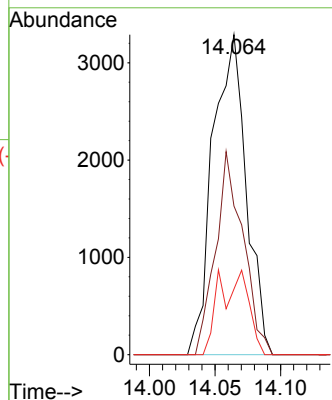
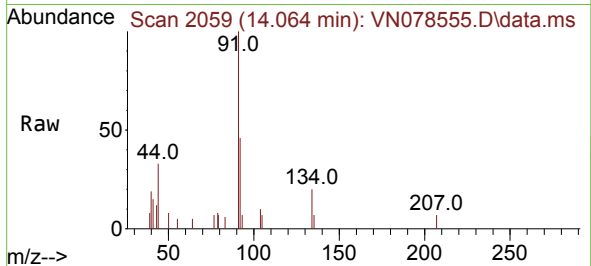




#89
n-Butylbenzene
Concen: 0.561 ug/l
RT: 14.064 min Scan# 2058
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

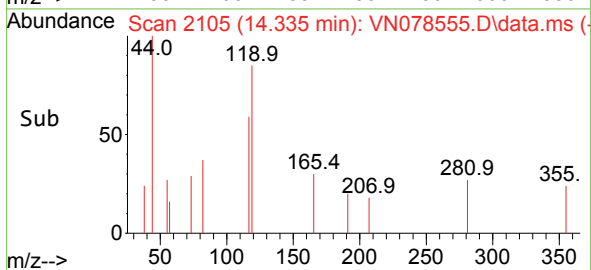
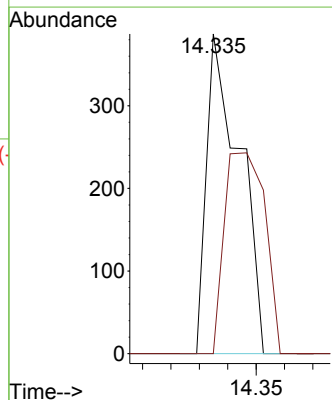
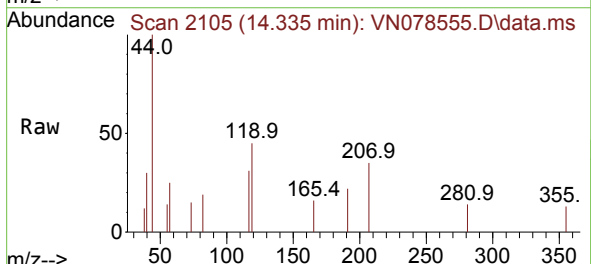
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

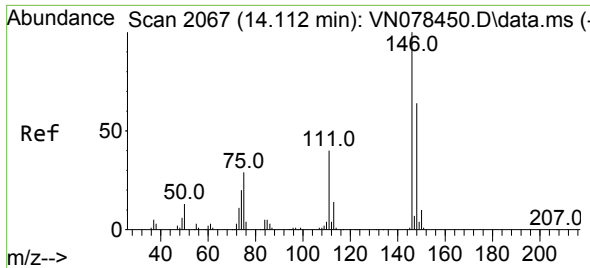
Tgt Ion: 91 Resp: 5810
Ion Ratio Lower Upper
91 100
92 52.5 26.4 79.0
134 23.1 12.6 37.6



#90
Hexachloroethane
Concen: Below Cal
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 117 Resp: 312
Ion Ratio Lower Upper
117 100
201 77.2 29.3 88.0

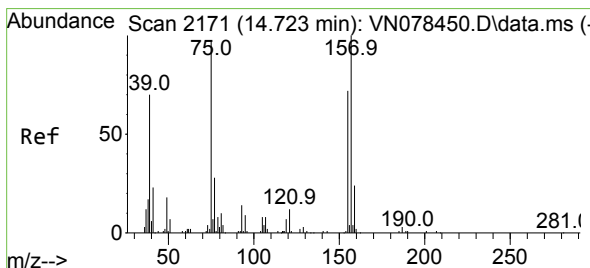
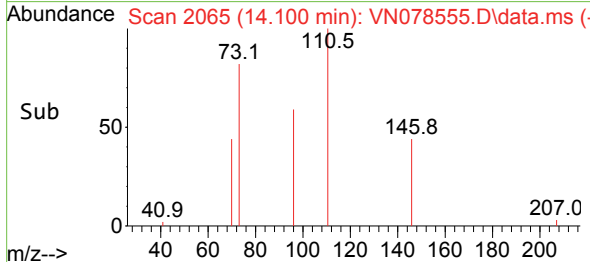
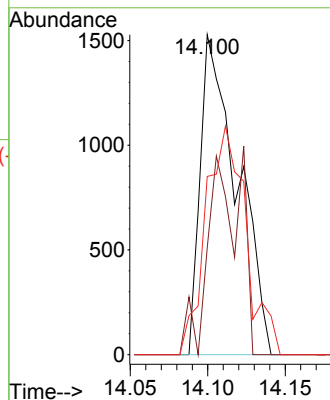
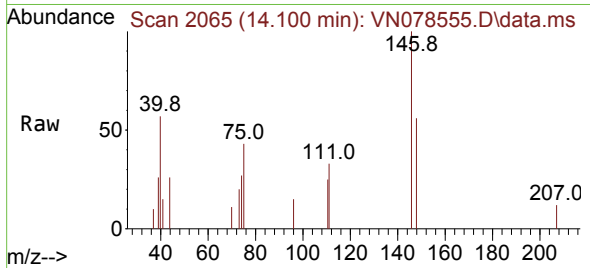




#91
1,2-Dichlorobenzene
Concen: 0.312 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.012 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

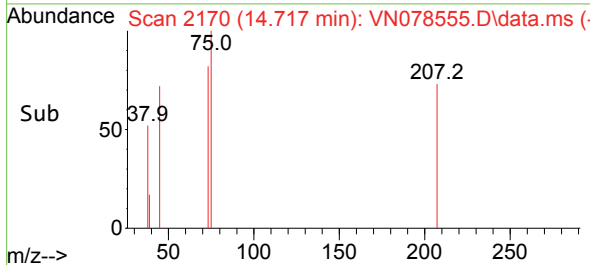
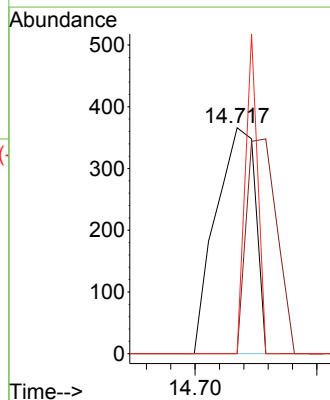
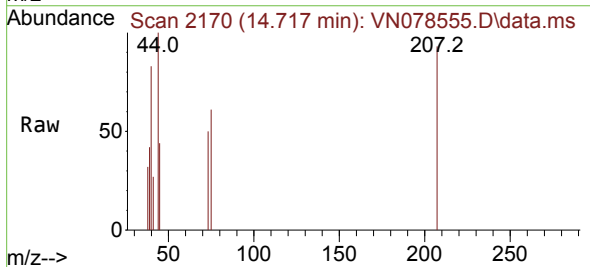
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

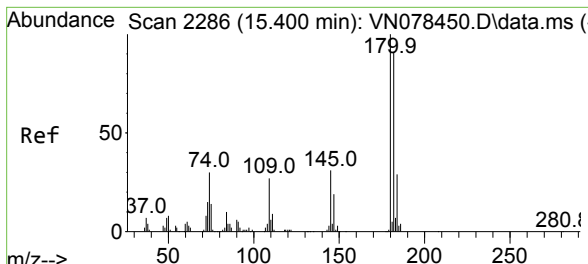
Tgt Ion:146 Resp: 2535
Ion Ratio Lower Upper
146 100
111 0.0 22.0 66.0#
148 77.0 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion: 75 Resp: 412
Ion Ratio Lower Upper
75 100
155 73.5 39.1 117.2
157 44.4 50.3 150.9#

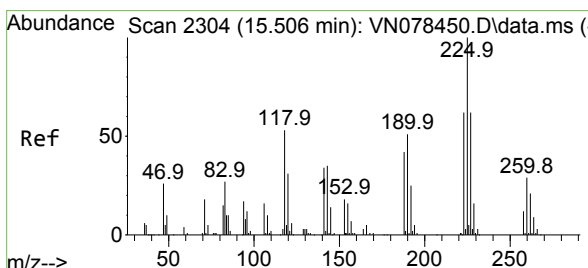
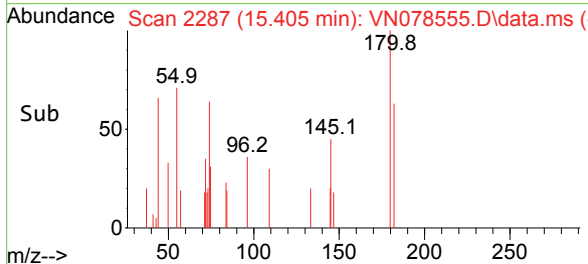
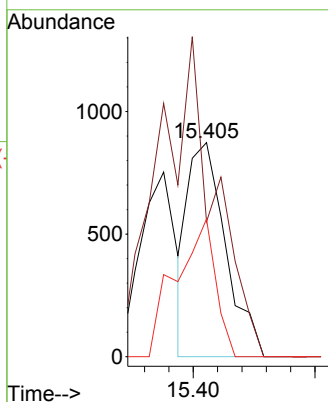
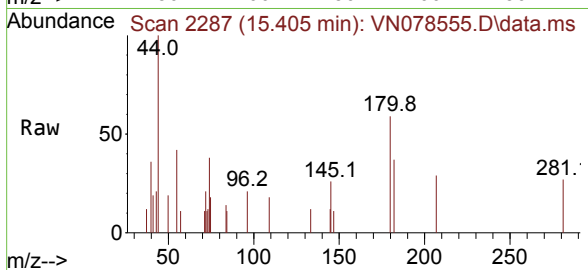




#93
1,2,4-Trichlorobenzene
Concen: 0.360 ug/l
RT: 15.405 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

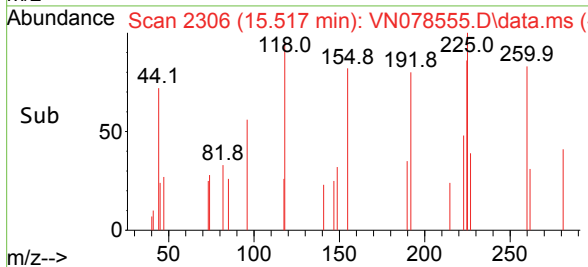
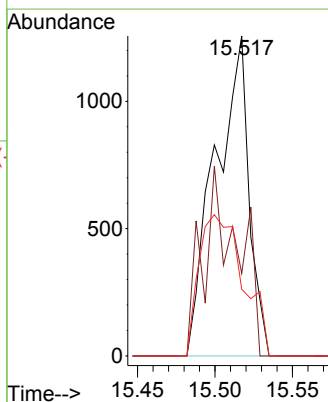
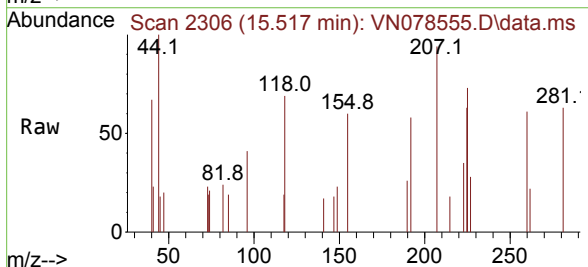
Instrument :
MSVOA_N
ClientSampleId :
PB154251TB

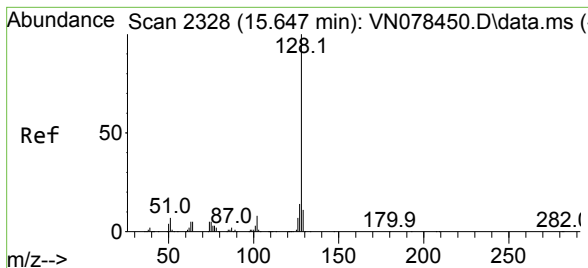
Tgt Ion:180 Resp: 933
Ion Ratio Lower Upper
180 100
182 224.2 46.1 138.2#
145 68.2 16.6 49.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.517 min Scan# 2306
Delta R.T. 0.011 min
Lab File: VN078555.D
Acq: 18 Jul 2023 12:49

Tgt Ion:225 Resp: 1909
Ion Ratio Lower Upper
225 100
223 60.2 31.3 93.8
227 57.7 31.9 95.9





#95

Naphthalene

Concen: 0.920 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Instrument :

MSVOA_N

ClientSampleId :

PB154251TB

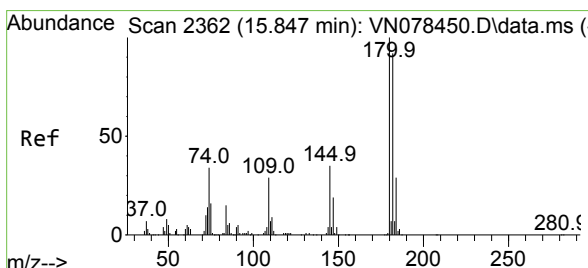
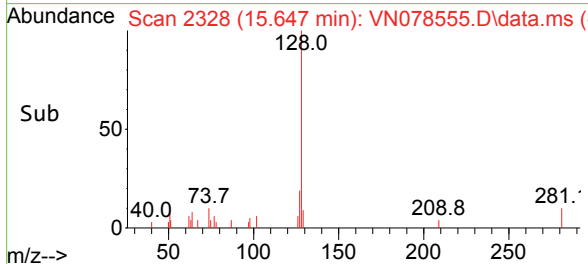
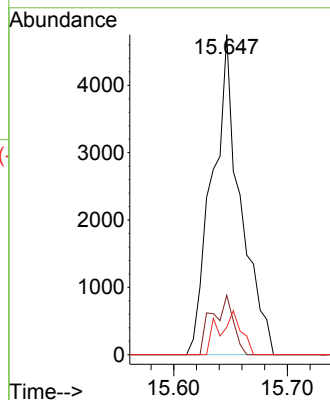
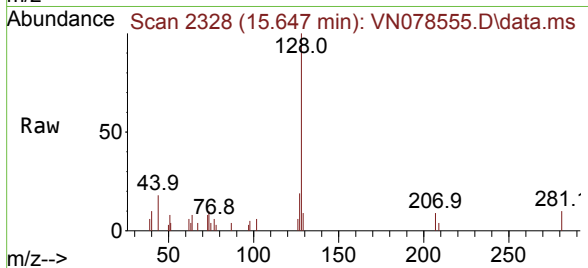
Tgt Ion:128 Resp: 8161

Ion Ratio Lower Upper

128 100

127 14.2 10.0 15.0

129 10.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.130 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN078555.D

Acq: 18 Jul 2023 12:49

Tgt Ion:180 Resp: 3370

Ion Ratio Lower Upper

180 100

182 74.4 46.2 138.6

145 43.5 17.5 52.6

