

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062823\
 Data File : VN078432.D
 Acq On : 28 Jun 2023 11:15
 Operator : JC\MD
 Sample : VN0628MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628MBL01

Quant Time: Jun 29 05:16:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	462189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	821171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	733591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	236103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304017	49.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.660%		
35) Dibromofluoromethane	8.171	113	300560	57.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.780%		
50) Toluene-d8	10.576	98	942850	47.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.200%		
62) 4-Bromofluorobenzene	12.853	95	309330	49.711	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1721	Below Cal		98
5) Bromomethane	2.983	94	4018	0.777	ug/l	100
10) Methyl Iodide	4.589	142	1413	0.204	ug/l #	53
11) Tert butyl alcohol	5.512	59	1044	1.227	ug/l #	72
13) Acrolein	4.206	56	1006	1.073	ug/l #	70
15) Acrylonitrile	5.736	53	2703	1.232	ug/l #	78
16) Acetone	4.459	43	2014	1.135	ug/l #	72
17) Carbon Disulfide	4.718	76	5387	0.415	ug/l #	75
20) Methylene Chloride	5.283	84	1281	0.219	ug/l #	63
25) 2-Butanone	7.518	43	1808	0.663	ug/l	90
31) Cyclohexane	8.229	56	11080	1.402	ug/l #	24
36) 1,1-Dichloropropene	8.235	75	37919	5.091	ug/l #	48
38) Carbon Tetrachloride	8.235	117	48700	6.193	ug/l #	15
39) Methylcyclohexane	9.606	83	1817	0.235	ug/l #	83
46) Dibromomethane	9.712	93	818	0.201	ug/l #	13
49) 1,4-Dioxane	9.712	88	409	4.168	ug/l #	50
51) 4-Methyl-2-Pentanone	10.459	43	2950	0.503	ug/l #	77
59) 2-Hexanone	11.212	43	4268	1.046	ug/l	91
68) m/p-Xylenes	12.088	106	2307	0.223	ug/l	94
74) N-amyl acetate	12.500	43	2151	0.293	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.935	83	1329	Below Cal	#	72
76) 1,2,3-Trichloropropane	12.853	75	166491	29.829	ug/l #	1
77) Bromobenzene	12.994	156	1386	0.267	ug/l	77
78) n-propylbenzene	13.041	91	5257	0.217	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.853	75	166491	91.643	ug/l #	15
82) 4-Chlorotoluene	13.229	91	5065	0.347	ug/l	88
83) tert-Butylbenzene	13.447	119	3206	0.204	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	4473	0.255	ug/l	95
85) sec-Butylbenzene	13.617	105	6772	0.329	ug/l	94
86) p-Isopropyltoluene	13.729	119	5686	0.341	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4179	0.477	ug/l	90
88) 1,4-Dichlorobenzene	13.729	146	4179	0.494	ug/l	92
89) n-Butylbenzene	14.070	91	8198	0.623	ug/l	93
90) Hexachloroethane	14.341	117	983	0.332	ug/l	65
91) 1,2-Dichlorobenzene	14.106	146	4346	0.507	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.729	75	585	0.529	ug/l	56

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Response via : Initial Calibration

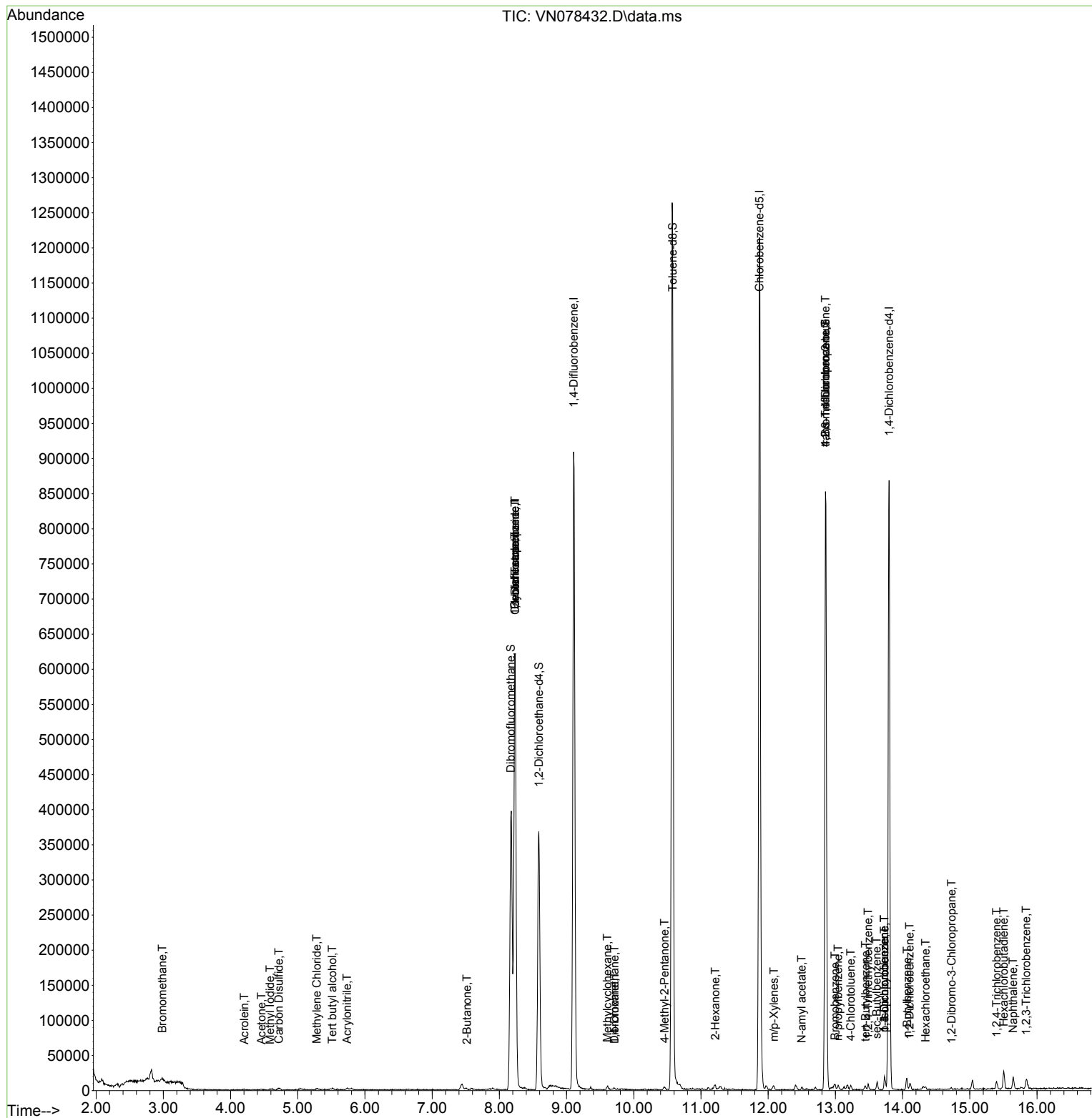
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.400	180	3584	1.174	ug/l	86
94) Hexachlorobutadiene	15.505	225	4465	0.322	ug/l	97
95) Naphthalene	15.647	128	14470	1.409	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	5407	1.584	ug/l	95

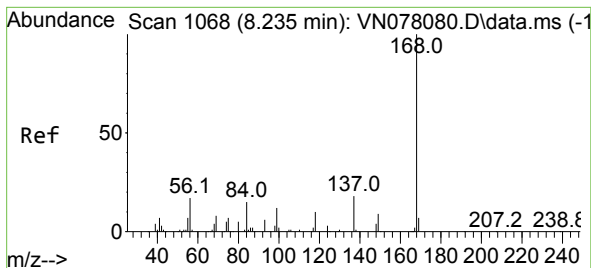
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078432.D

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MSVOA_N

ClientSampleId :

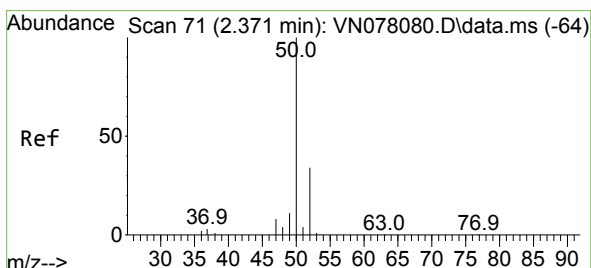
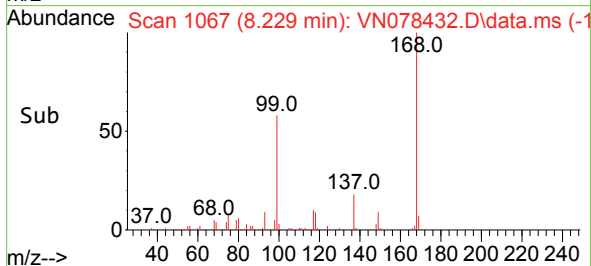
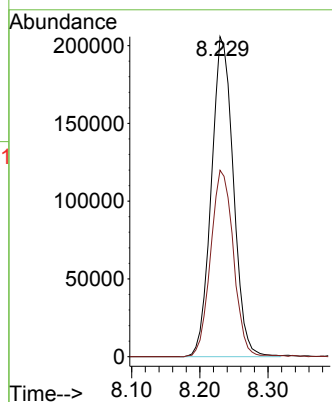
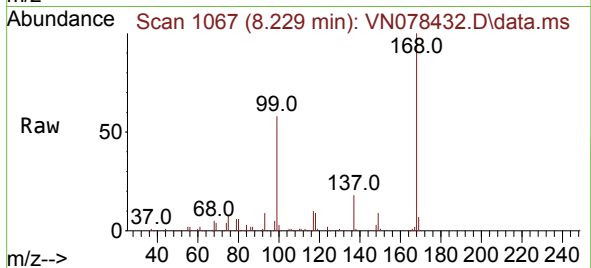
VN0628MBL01

Tgt Ion:168 Resp: 462189

Ion Ratio Lower Upper

168 100

99 58.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078432.D

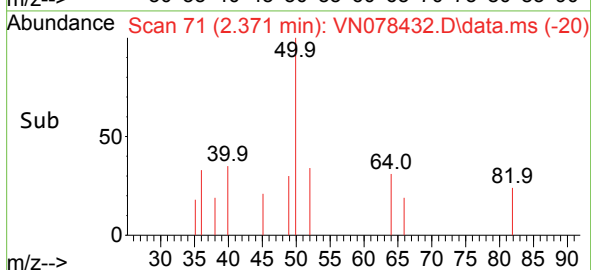
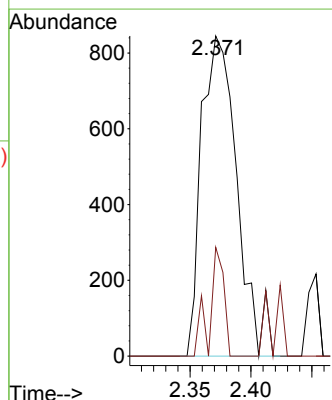
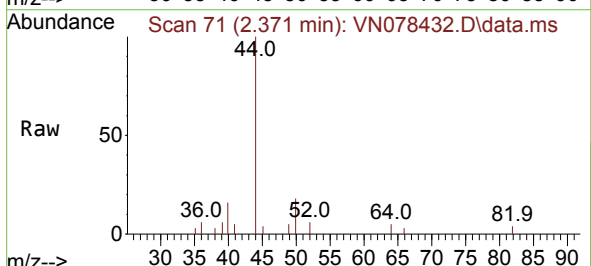
Acq: 28 Jun 2023 11:15

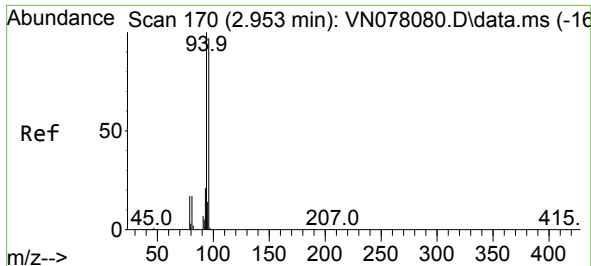
Tgt Ion: 50 Resp: 1721

Ion Ratio Lower Upper

50 100

52 34.0 26.5 39.7

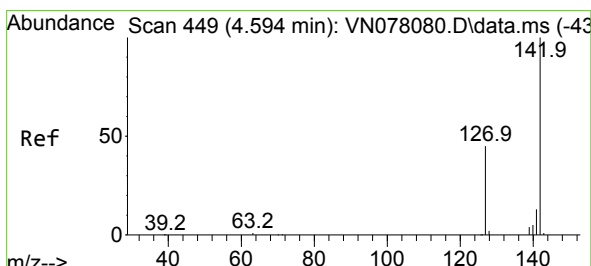
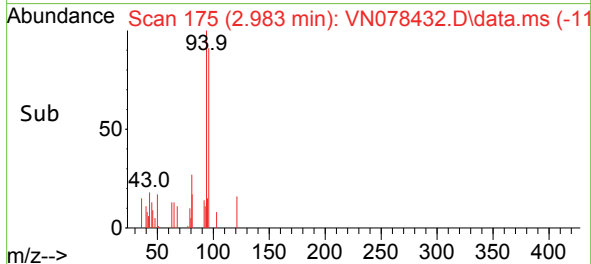
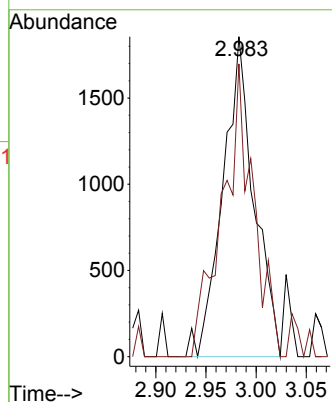
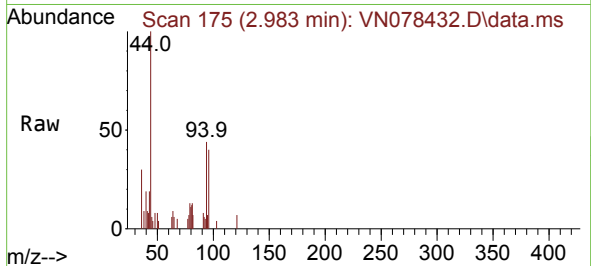




#5
Bromomethane
Concen: 0.777 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

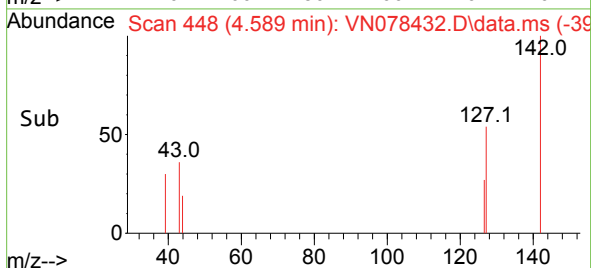
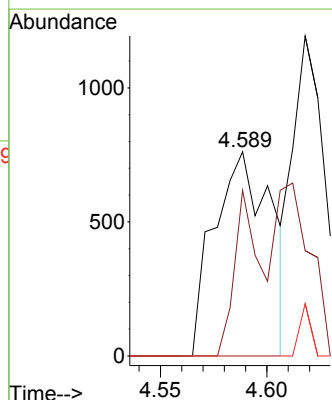
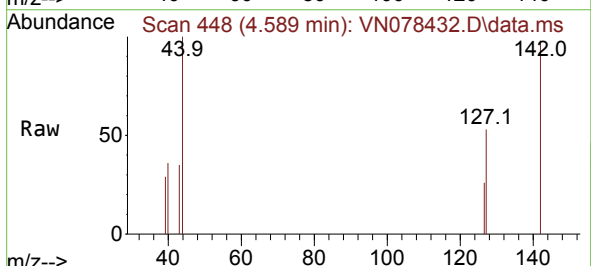
Instrument :
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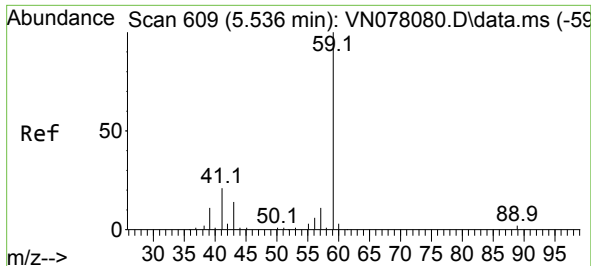
Tgt Ion: 94 Resp: 4018
Ion Ratio Lower Upper
94 100
96 91.5 73.1 109.7



#10
Methyl Iodide
Concen: 0.204 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

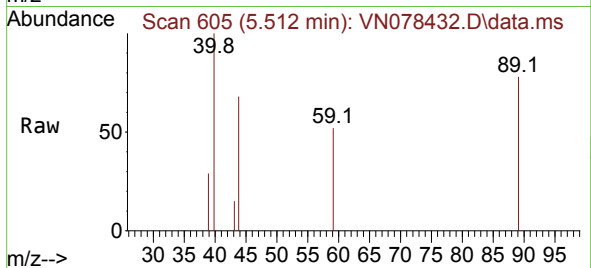
Tgt Ion: 142 Resp: 1413
Ion Ratio Lower Upper
142 100
127 81.1 37.6 56.4#
141 0.0 11.4 17.0#



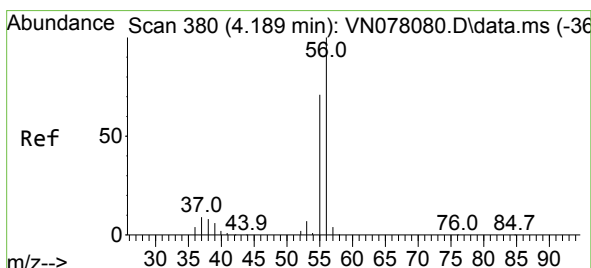
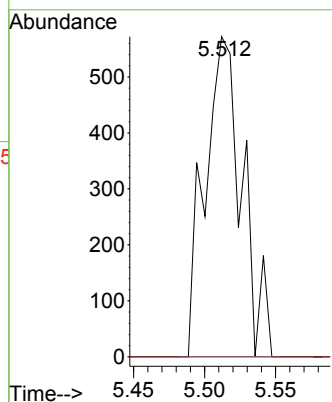
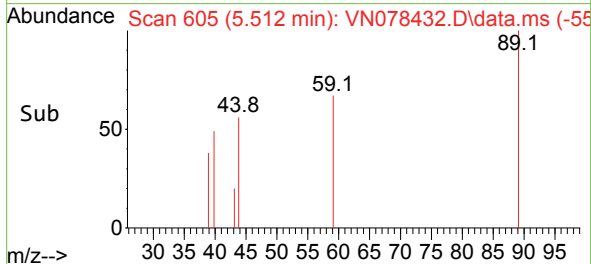


#11
Tert butyl alcohol
Concen: 1.227 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

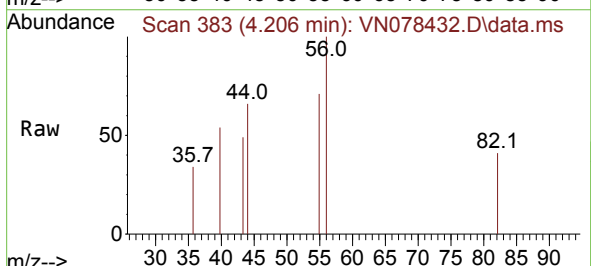
Instrument :
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ClientSampleId :
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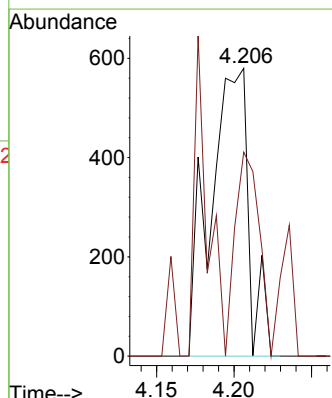
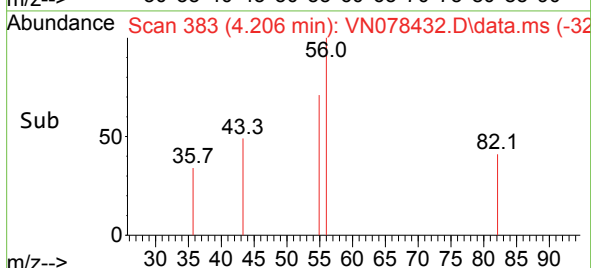
Tgt Ion: 59 Resp: 1044
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

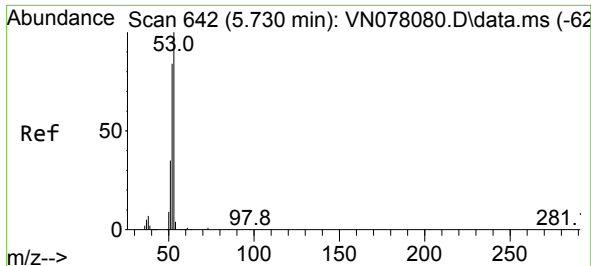


#13
Acrolein
Concen: 1.073 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15



Tgt Ion: 56 Resp: 1006
Ion Ratio Lower Upper
56 100
55 44.1 54.5 81.7#

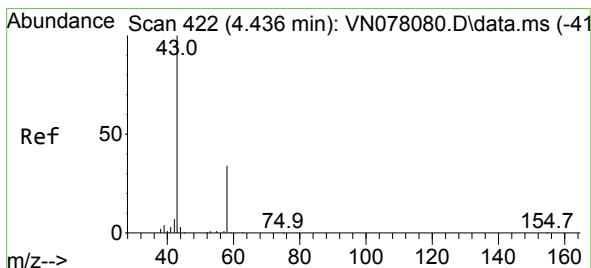
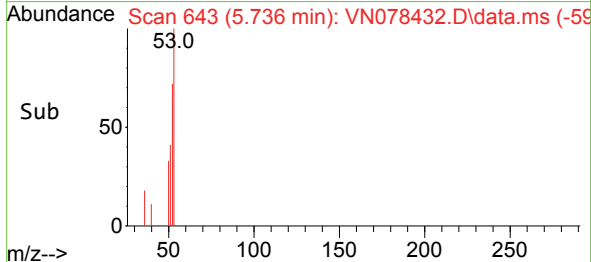
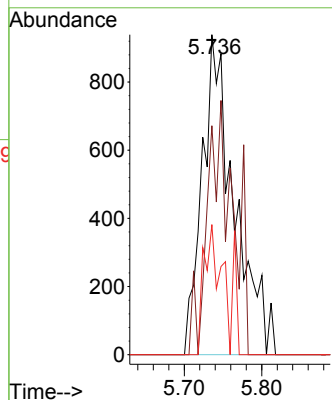
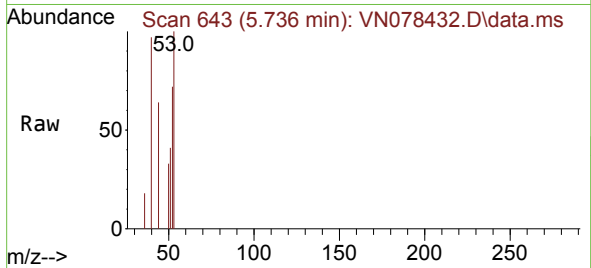




#15
Acrylonitrile
Concen: 1.232 ug/l
RT: 5.736 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

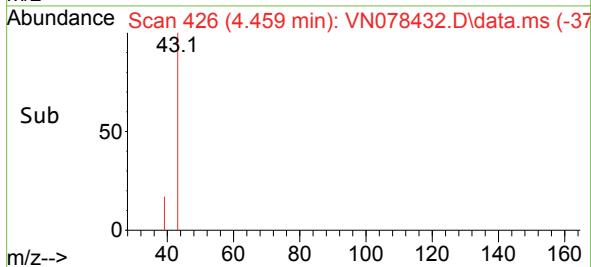
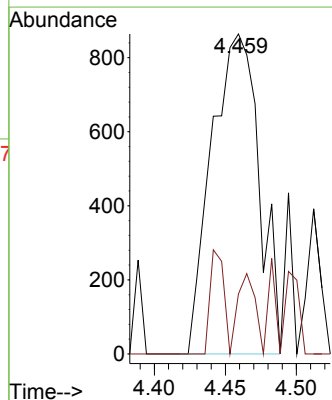
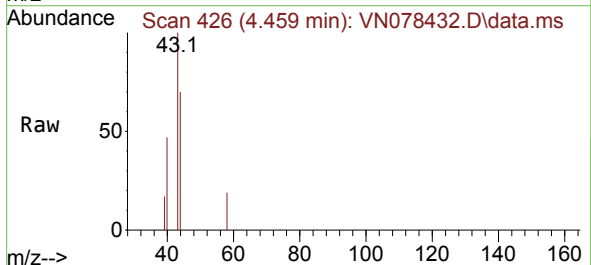
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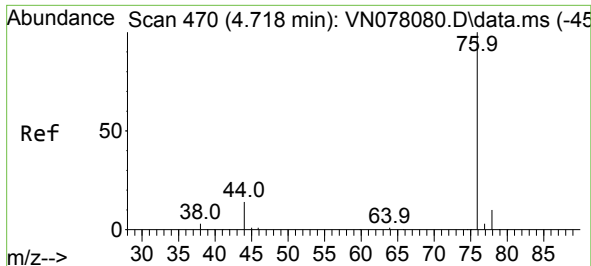
Tgt Ion: 53 Resp: 2703
Ion Ratio Lower Upper
53 100
52 63.2 65.3 97.9#
51 21.8 28.9 43.3#



#16
Acetone
Concen: 1.135 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.023 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
58 18.8 28.0 42.0#

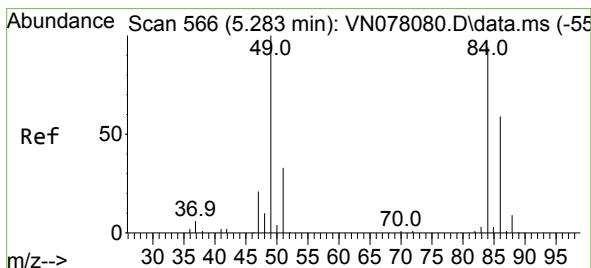
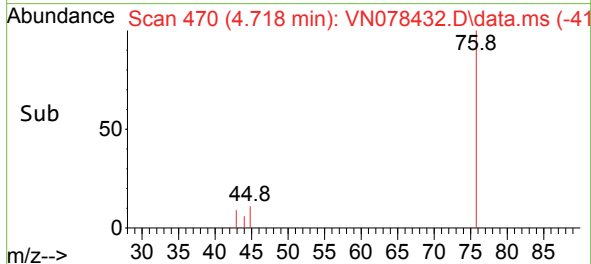
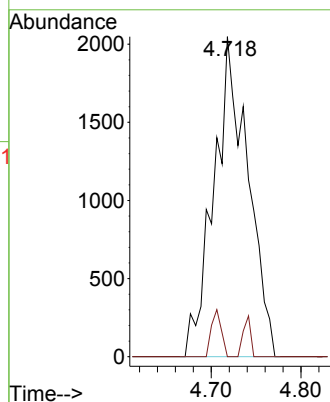
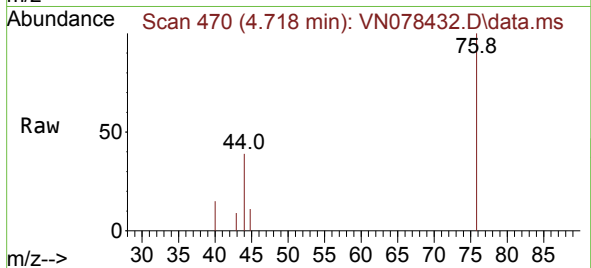




#17
Carbon Disulfide
Concen: 0.415 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

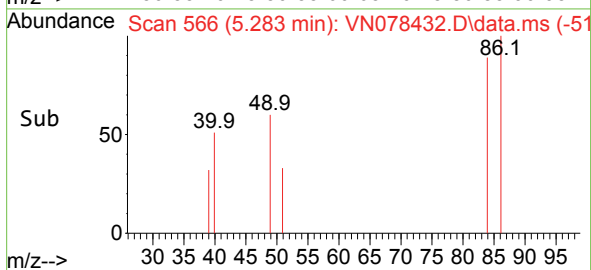
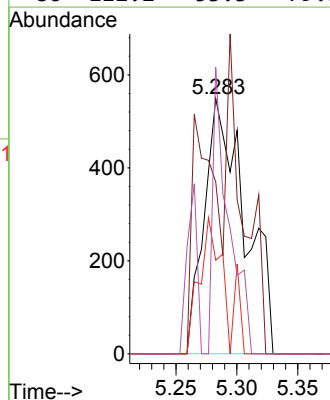
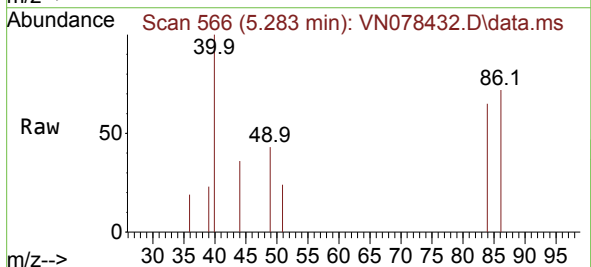
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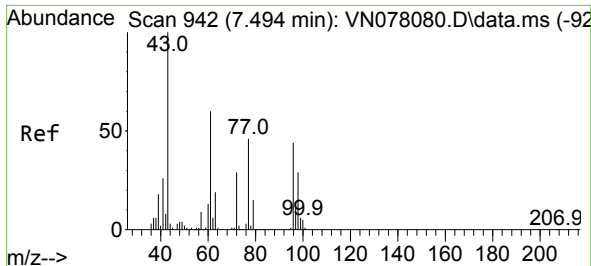
Tgt Ion: 76 Resp: 5387
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 84 Resp: 1281
Ion Ratio Lower Upper
84 100
49 67.4 79.7 119.5#
51 36.6 25.2 37.8
86 112.2 53.3 79.9#

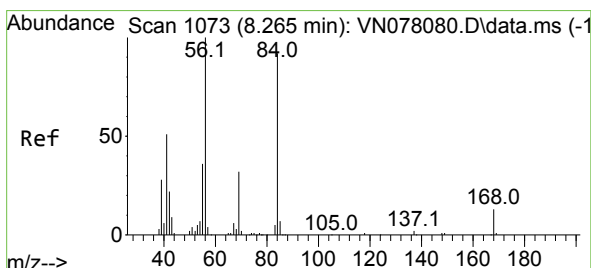
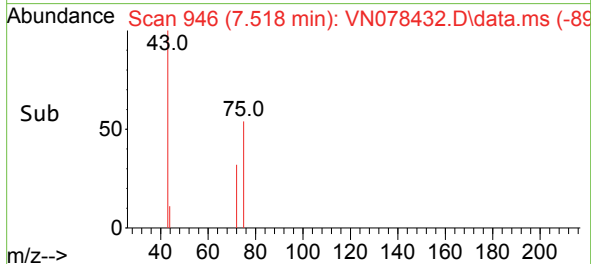
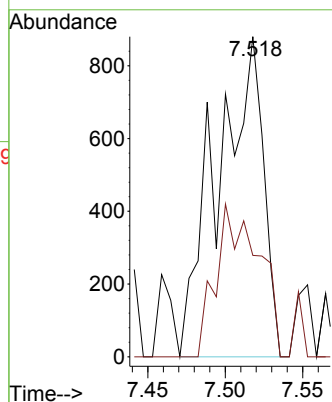
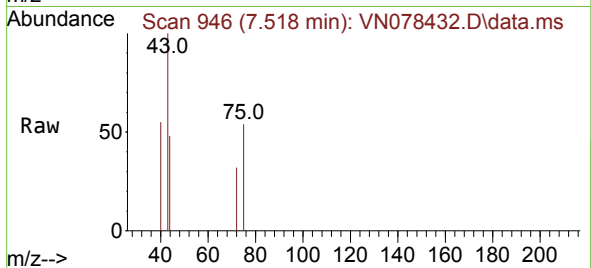




#25
2-Butanone
Concen: 0.663 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.023 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

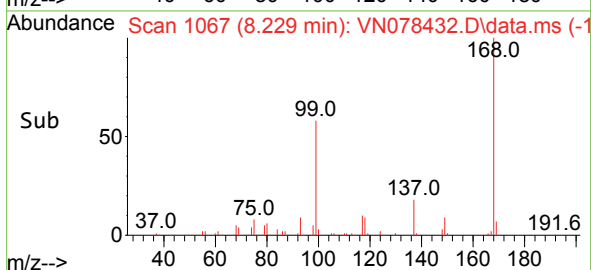
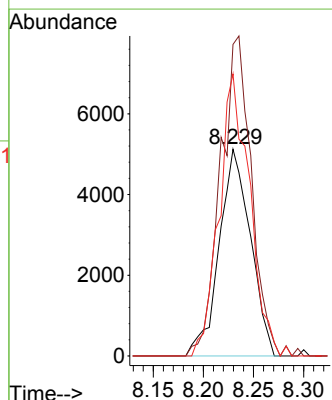
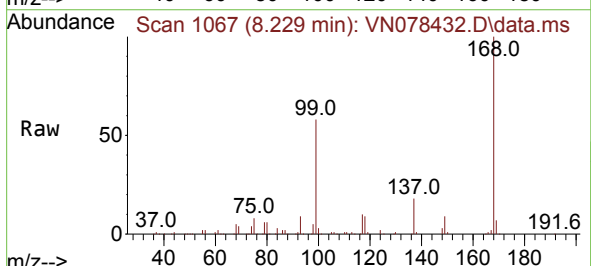
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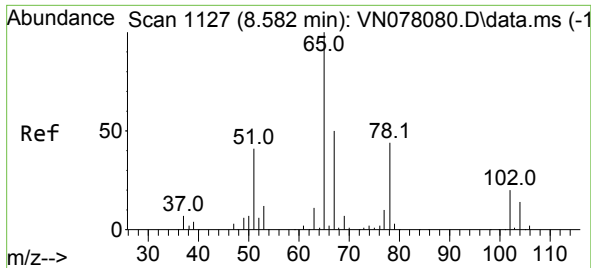
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
72 31.7 30.2 45.2



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 56 Resp: 11080
Ion Ratio Lower Upper
56 100
69 150.6 26.8 40.2#
84 136.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.334 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

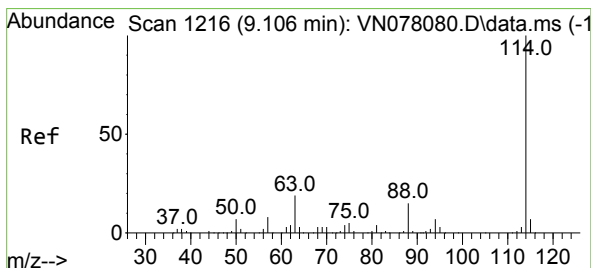
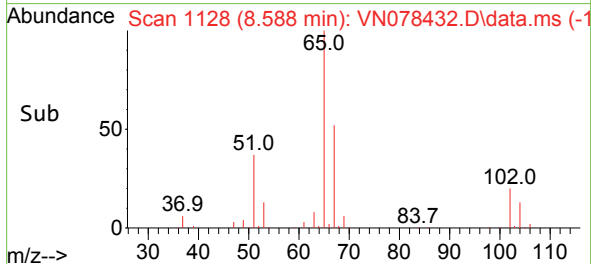
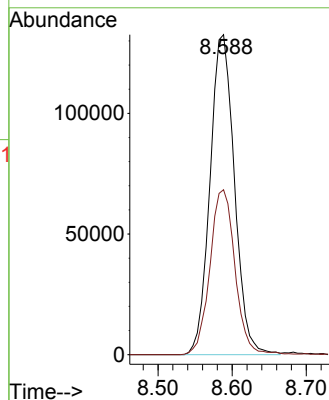
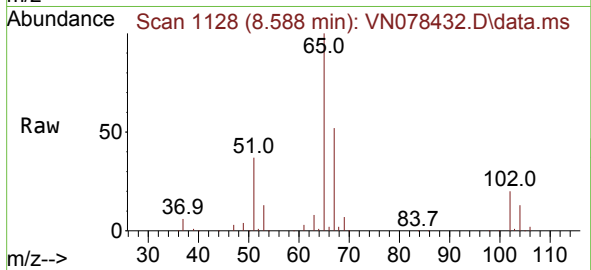
VN0628MBL01

Tgt Ion: 65 Resp: 304017

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

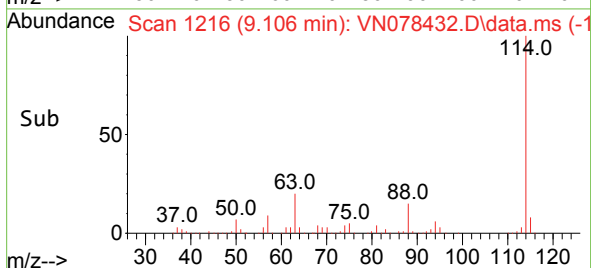
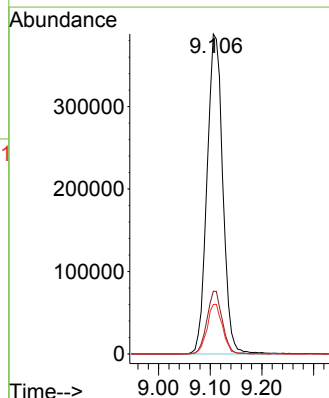
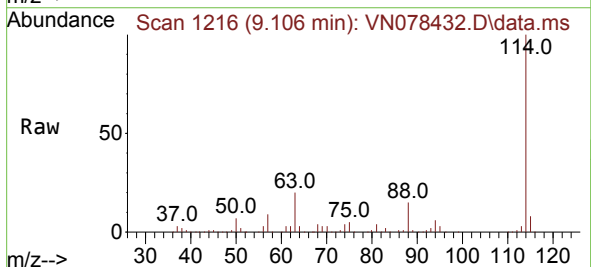
Tgt Ion: 114 Resp: 821171

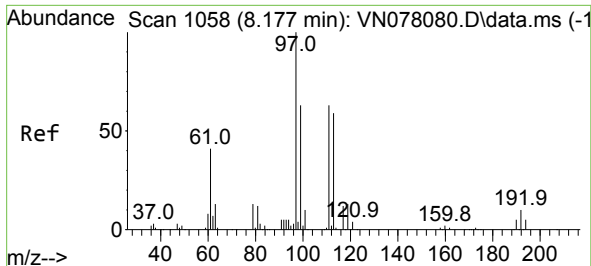
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.4 0.0 30.6

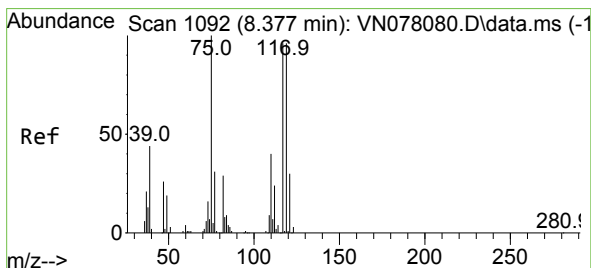
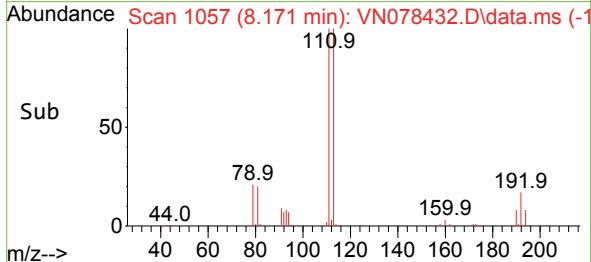
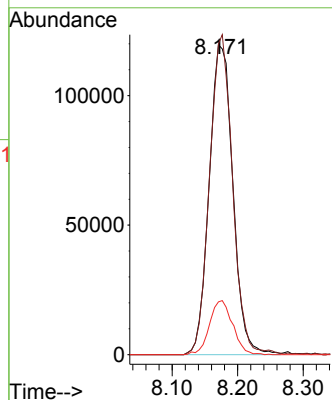
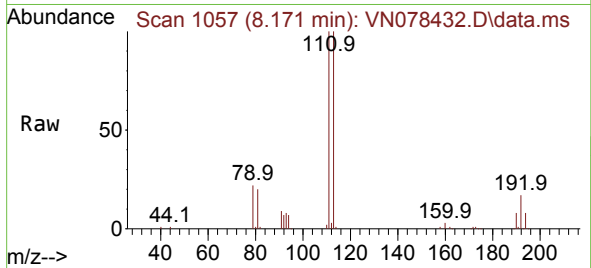




#35
Dibromofluoromethane
Concen: 57.887 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

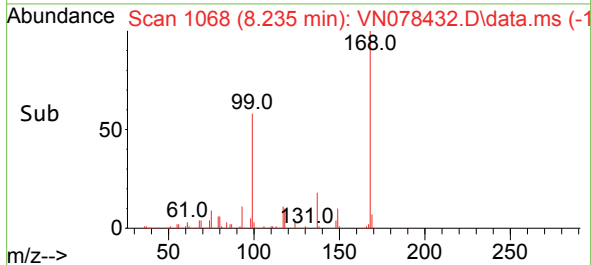
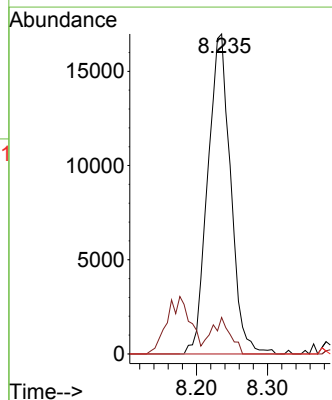
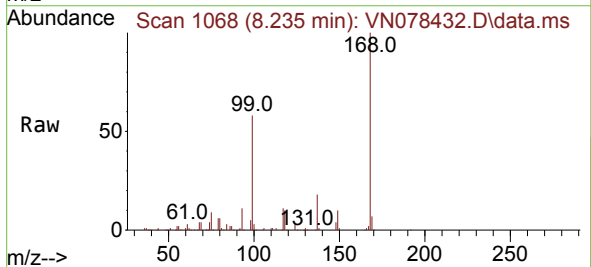
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

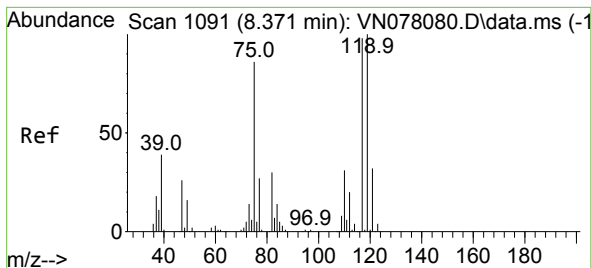
Tgt Ion:113 Resp: 300560
Ion Ratio Lower Upper
113 100
111 100.1 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 75 Resp: 37919
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.193 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01

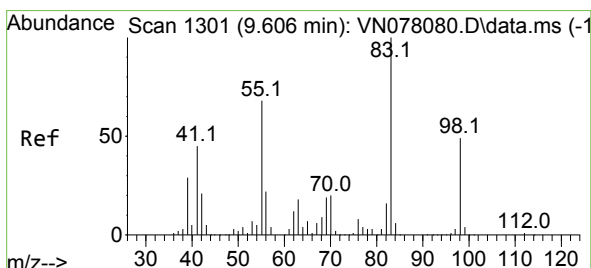
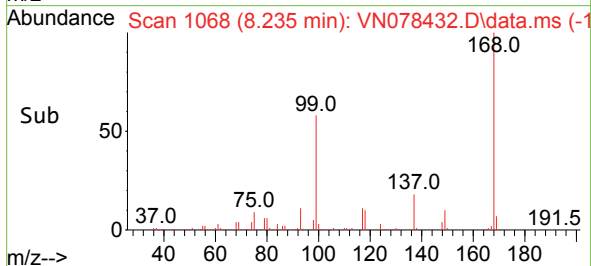
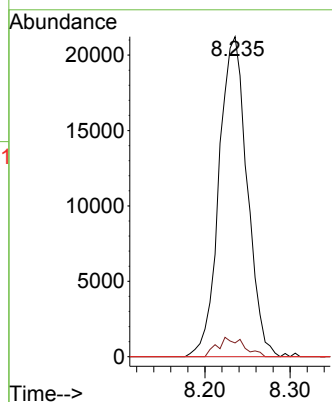
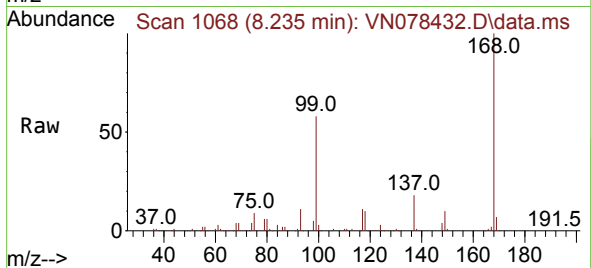
Tgt Ion:117 Resp: 48700

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.235 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

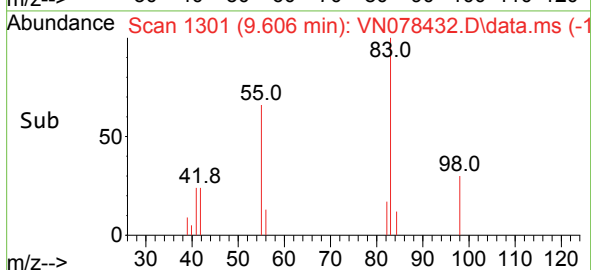
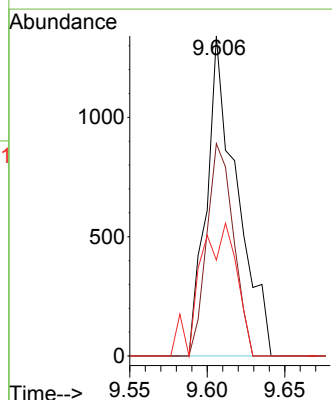
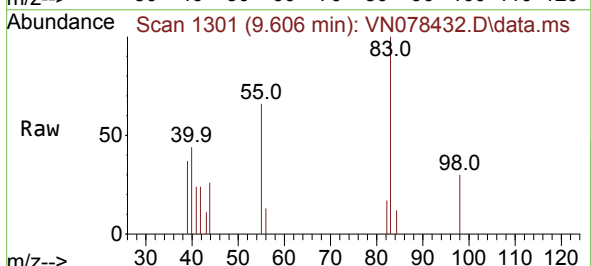
Tgt Ion: 83 Resp: 1817

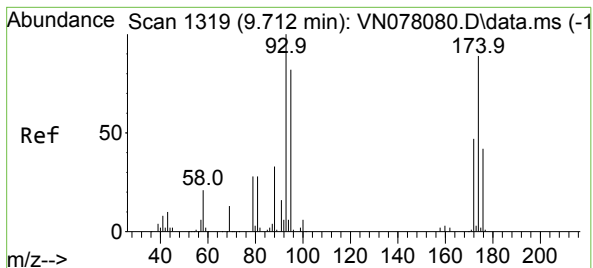
Ion Ratio Lower Upper

83 100

55 66.4 49.1 73.7

98 30.0 40.6 61.0#





#46

Dibromomethane

Concen: 0.201 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN078432.D

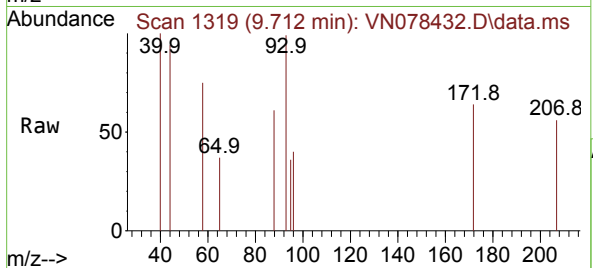
Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01



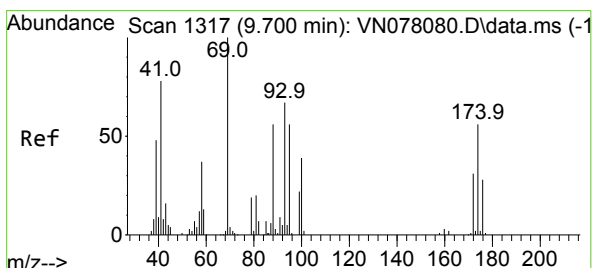
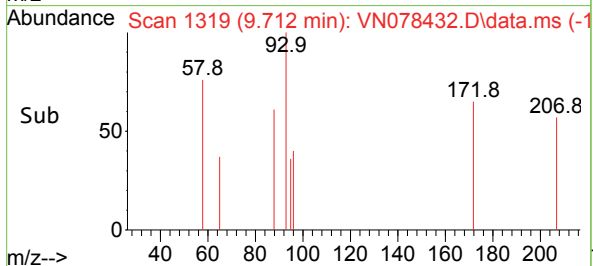
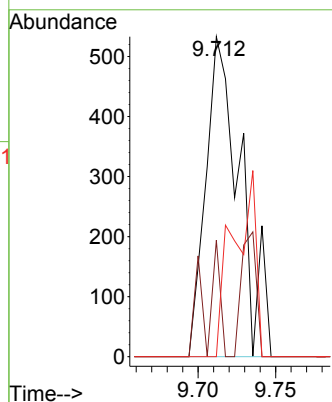
Tgt Ion: 93 Resp: 818

Ion Ratio Lower Upper

93 100

95 7.2 63.8 95.8#

174 0.0 65.6 98.4#



#49

1,4-Dioxane

Concen: 4.168 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.012 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

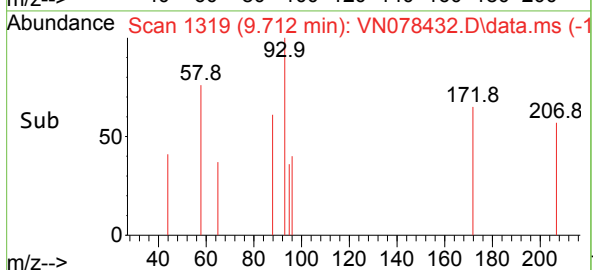
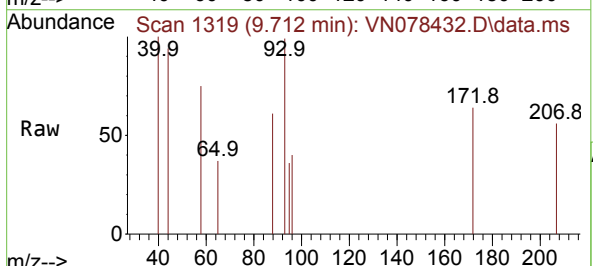
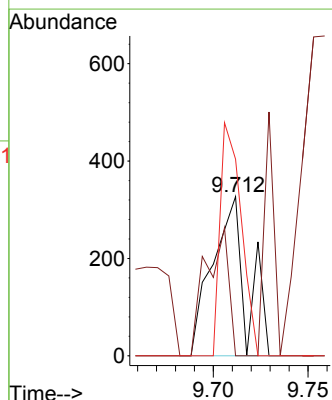
Tgt Ion: 88 Resp: 409

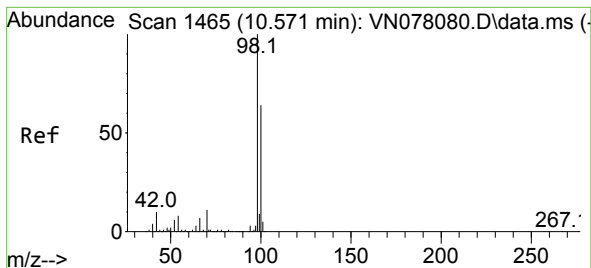
Ion Ratio Lower Upper

88 100

43 54.3 17.0 25.6#

58 90.5 47.0 70.4#





#50

Toluene-d8

Concen: 47.104 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

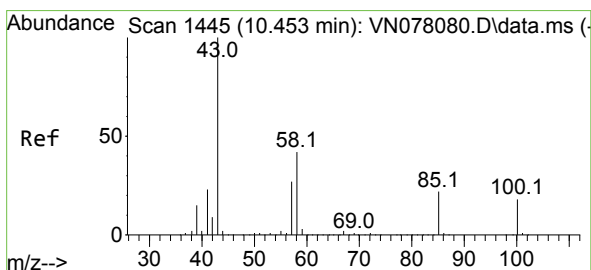
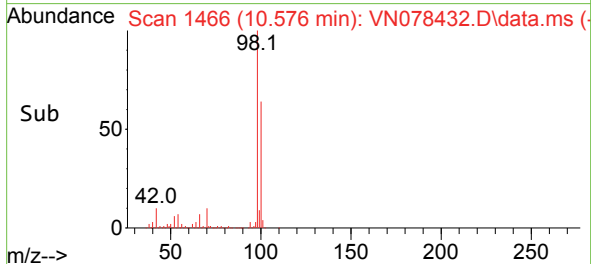
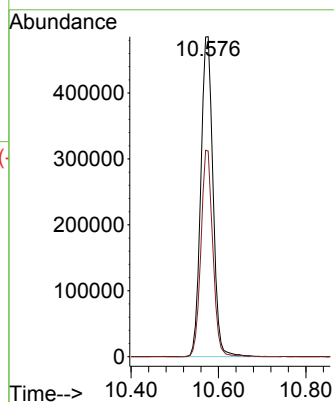
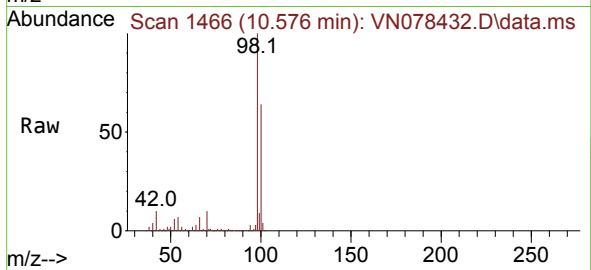
VN0628MBL01

Tgt Ion: 98 Resp: 942850

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.006 min

Lab File: VN078432.D

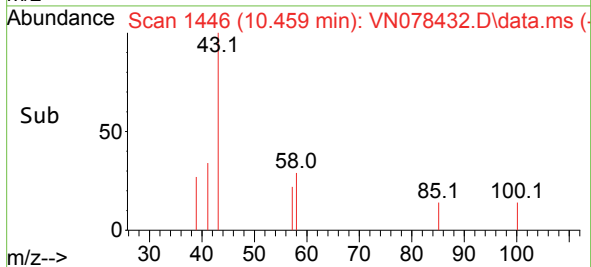
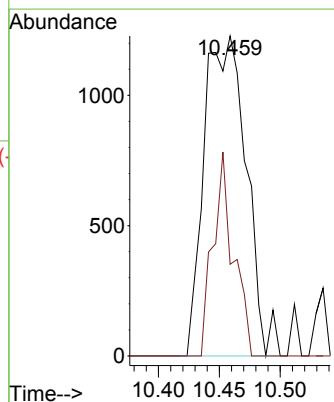
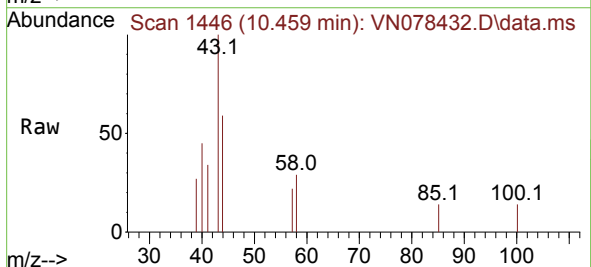
Acq: 28 Jun 2023 11:15

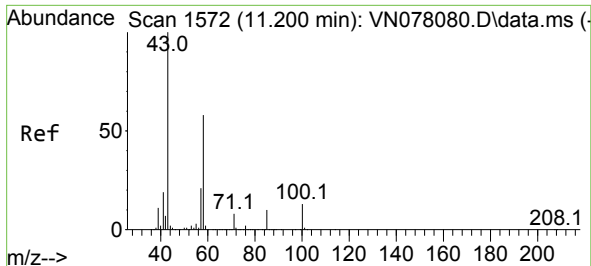
Tgt Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 30.7 36.6 54.8#

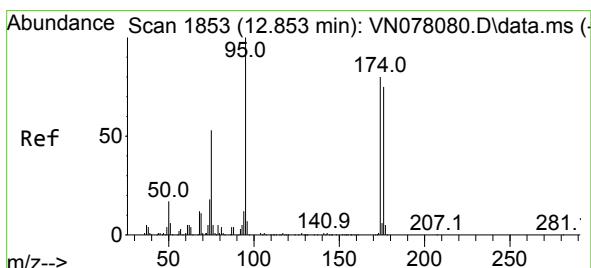
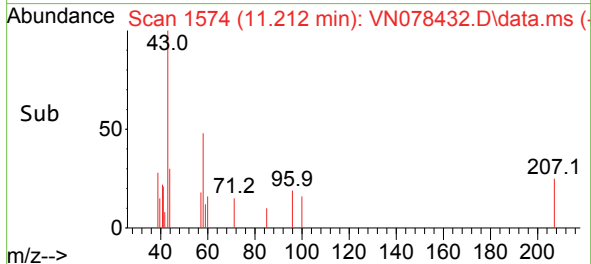
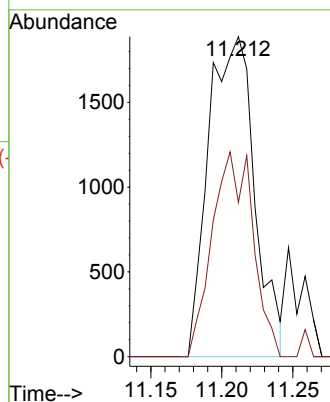
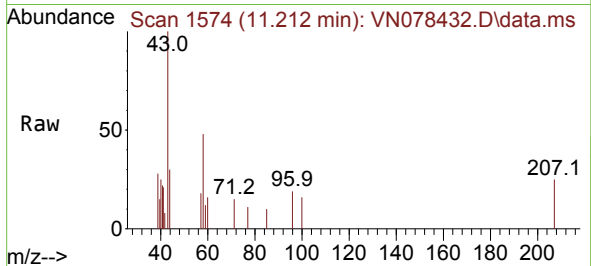




#59
2-Hexanone
Concen: 1.046 ug/l
RT: 11.212 min Scan# 11212
Delta R.T. 0.012 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

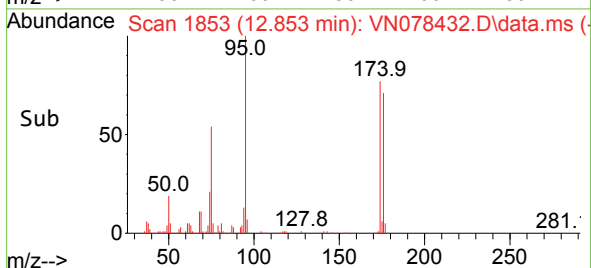
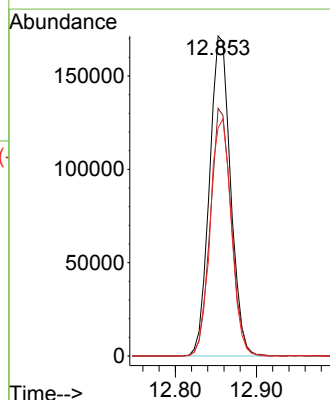
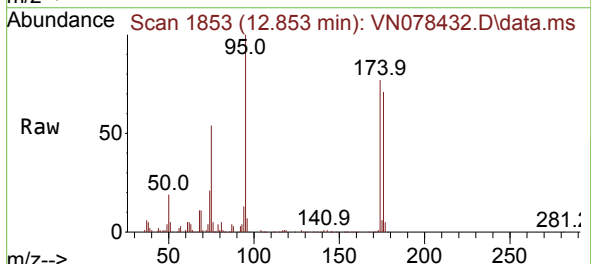
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

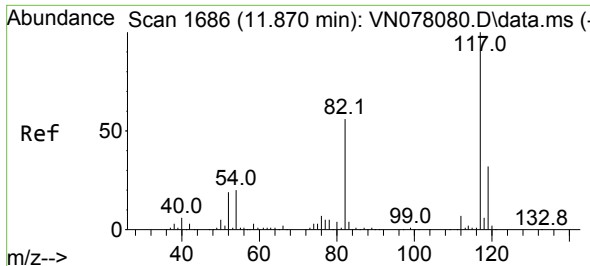
Tgt Ion: 43 Resp: 4268
Ion Ratio Lower Upper
43 100
58 56.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 95 Resp: 309330
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 74.4 0.0 135.8

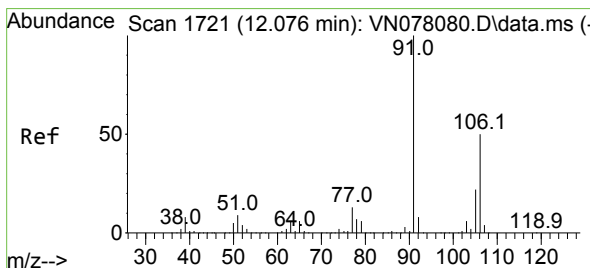
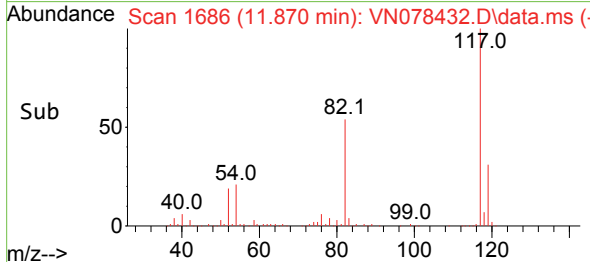
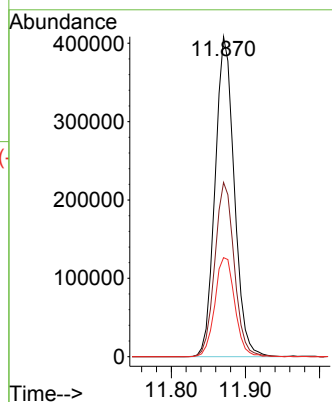
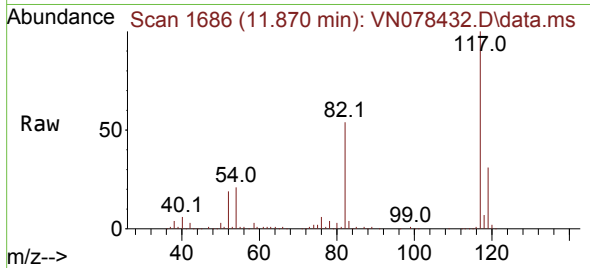




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

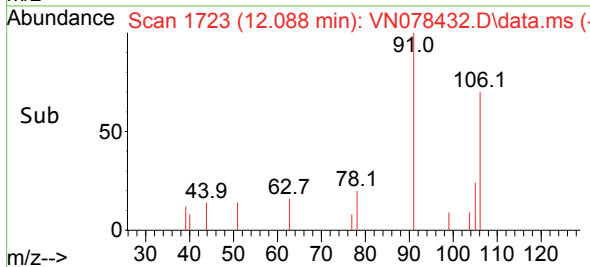
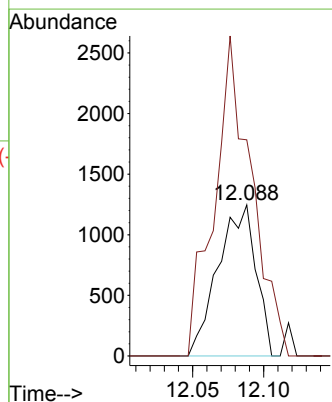
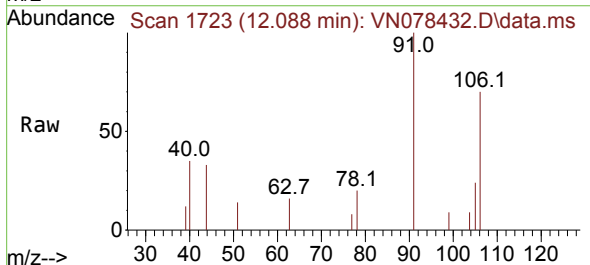
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

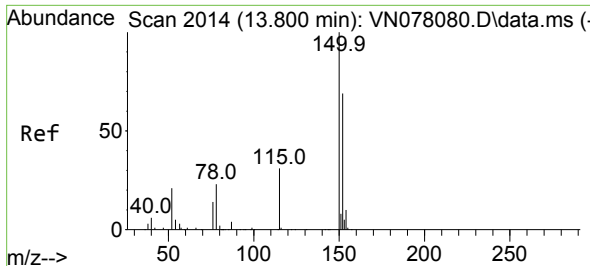
Tgt Ion:117 Resp: 733591
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 31.0 25.6 38.4



#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 12.088 min Scan# 1723
Delta R.T. 0.012 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion:106 Resp: 2307
Ion Ratio Lower Upper
106 100
91 209.0 159.6 239.4

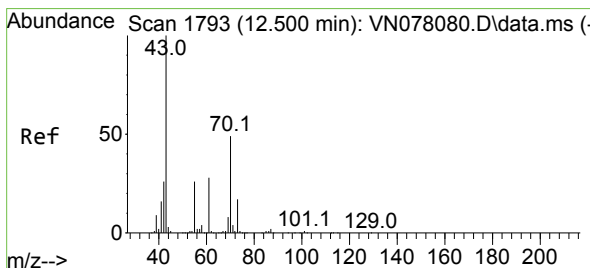
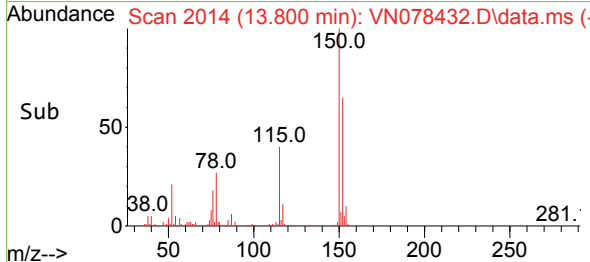
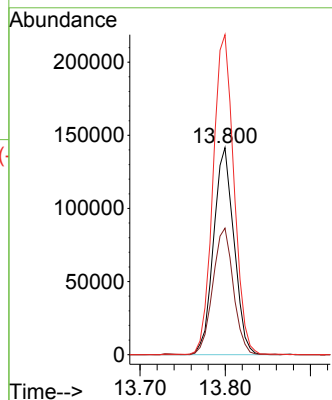
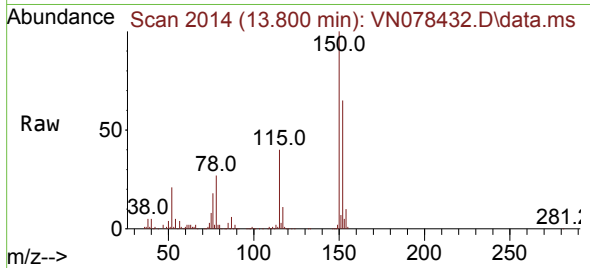




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078432.D
 Acq: 28 Jun 2023 11:15

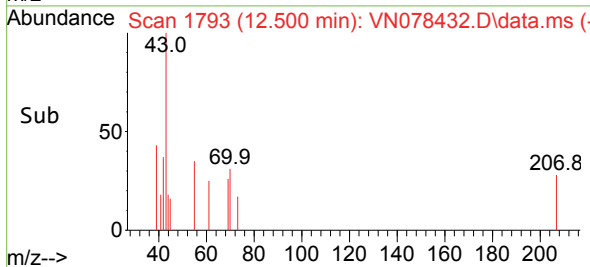
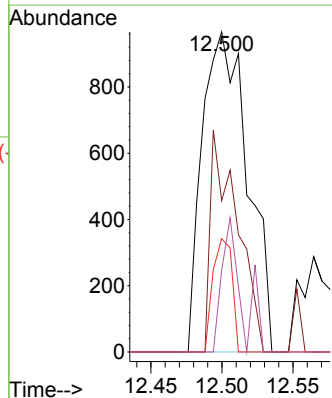
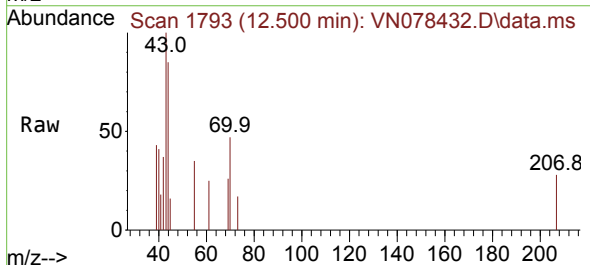
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628MBL01

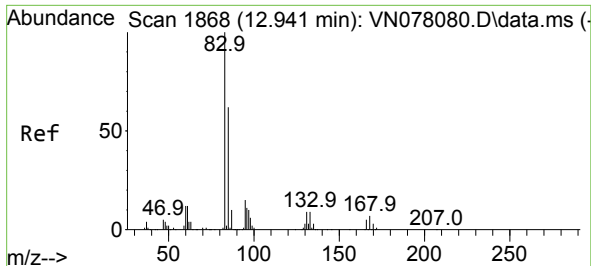
Tgt Ion:152 Resp: 236103
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 158.6 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.293 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VN078432.D
 Acq: 28 Jun 2023 11:15

Tgt Ion: 43 Resp: 2151
 Ion Ratio Lower Upper
 43 100
 70 40.9 43.4 65.2#
 55 14.8 21.4 32.0#
 61 13.9 22.8 34.2#

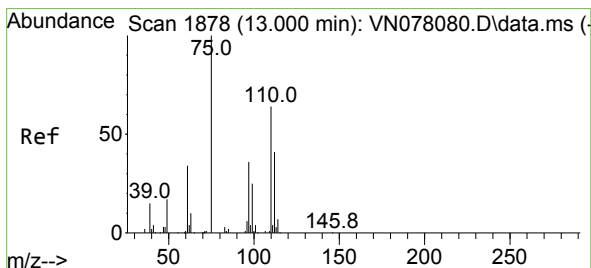
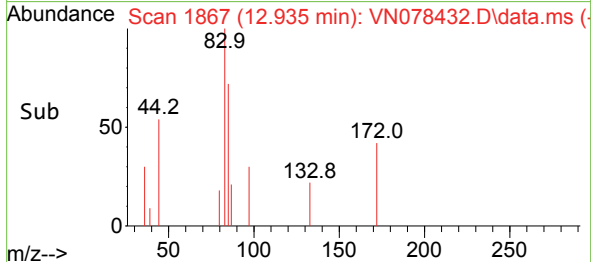
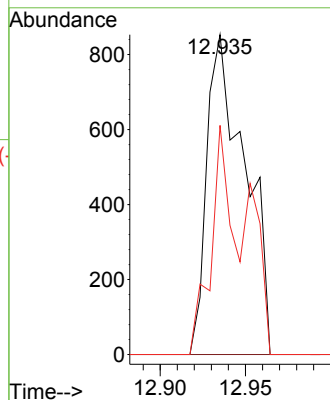
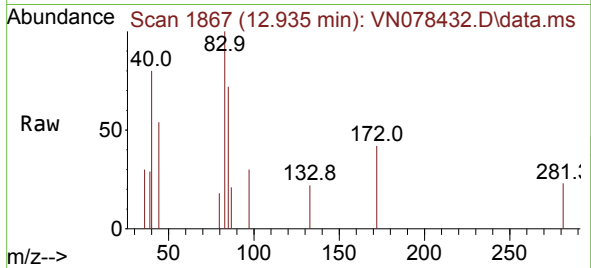




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

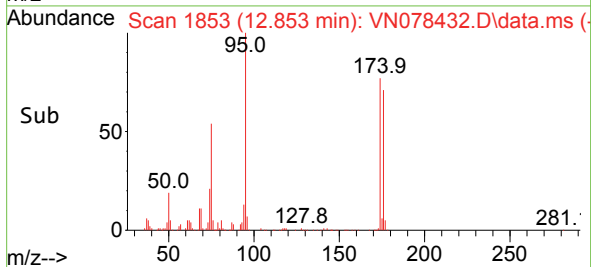
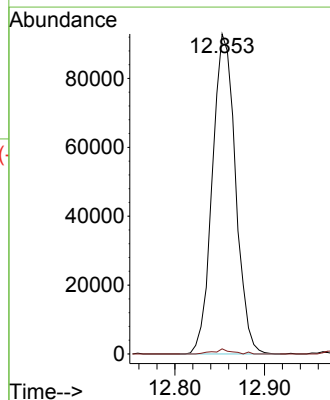
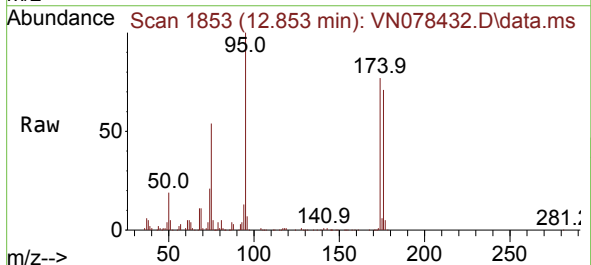
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

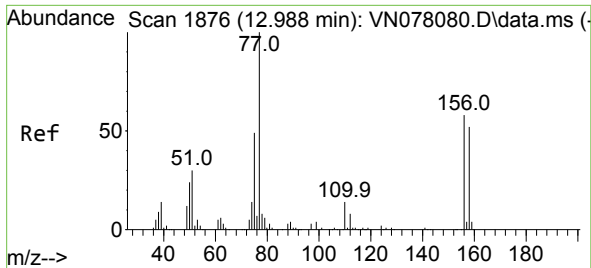
Tgt Ion: 83 Resp: 1329
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 41.5 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 29.829 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 75 Resp: 166491
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

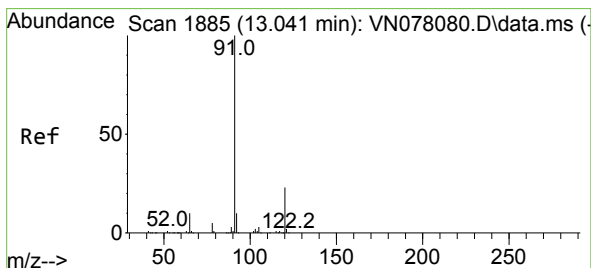
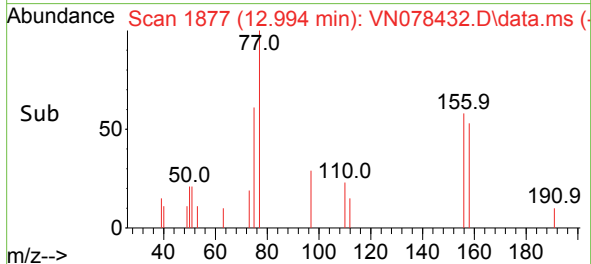
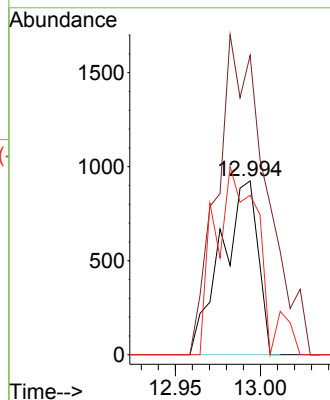
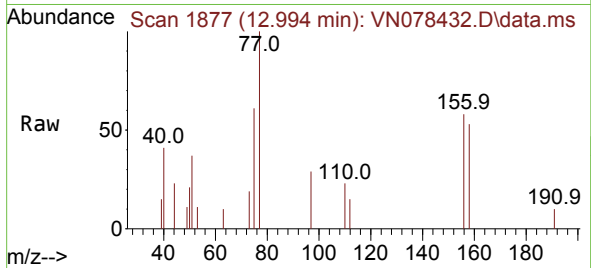




#77
Bromobenzene
Concen: 0.267 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

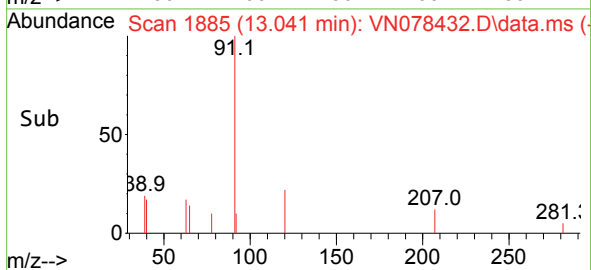
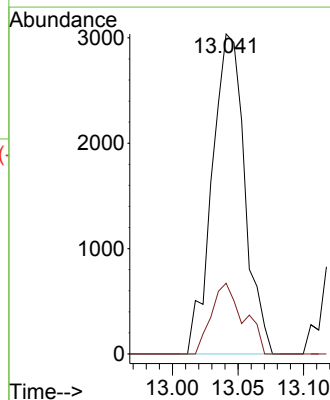
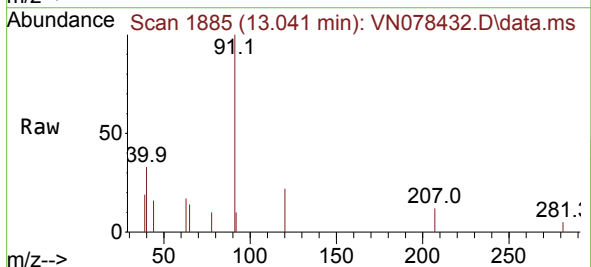
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

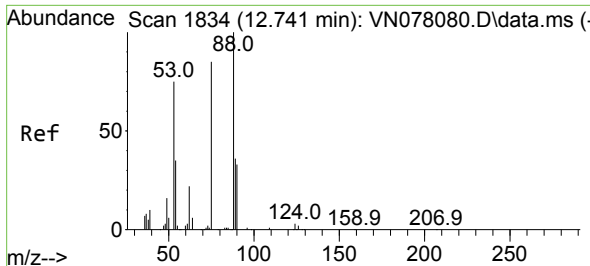
Tgt Ion:156 Resp: 1386
Ion Ratio Lower Upper
156 100
77 244.6 107.7 323.3
158 130.6 48.4 145.3



#78
n-propylbenzene
Concen: 0.217 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 91 Resp: 5257
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4

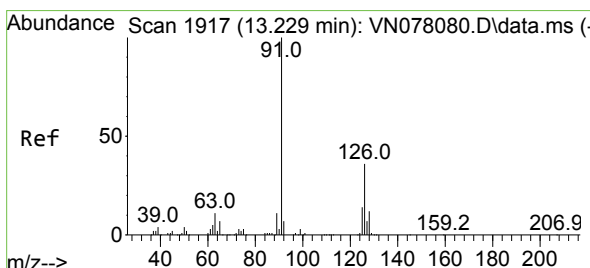
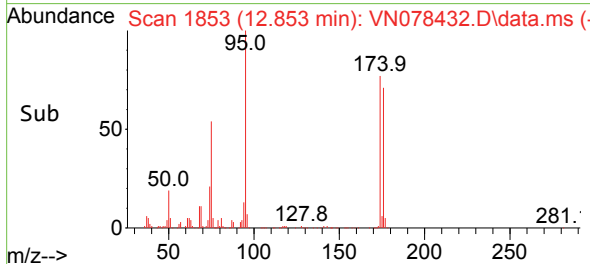
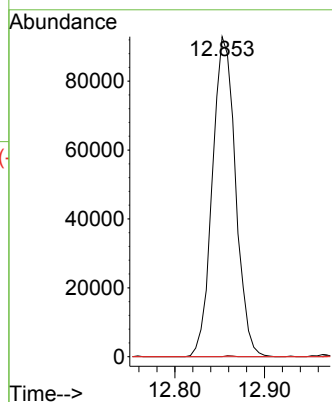
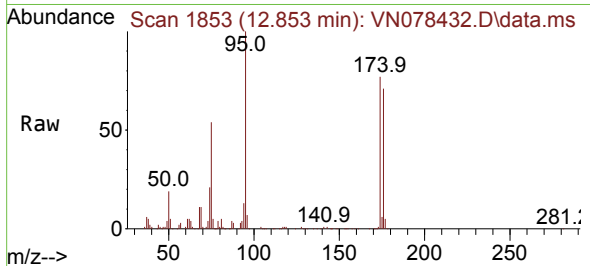




#81
trans-1,4-Dichloro-2-butene
Concen: 91.643 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

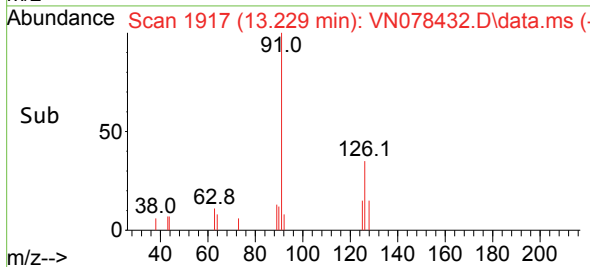
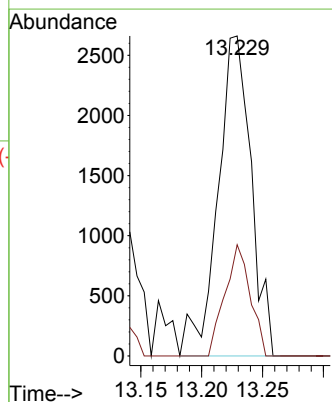
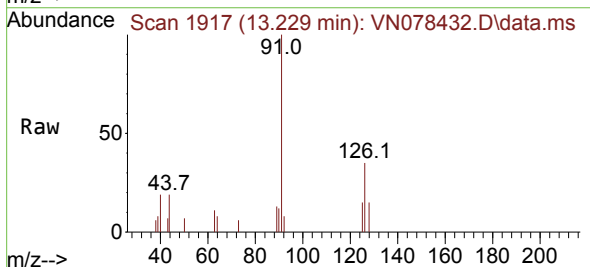
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

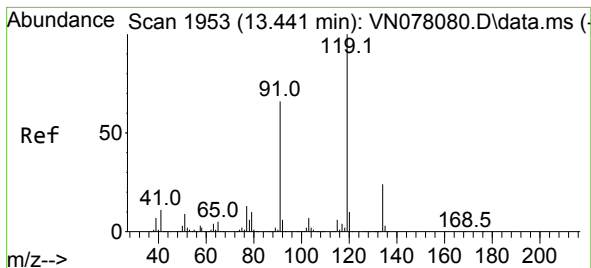
Tgt Ion: 75 Resp: 166491
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.347 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 91 Resp: 5065
Ion Ratio Lower Upper
91 100
126 26.4 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.204 ug/l

RT: 13.447 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01

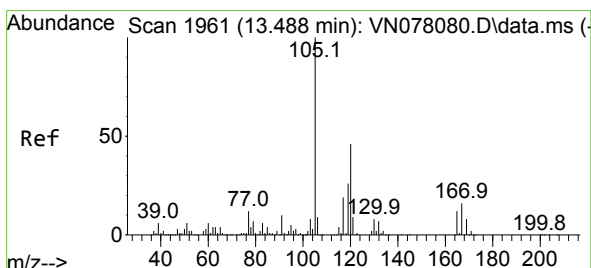
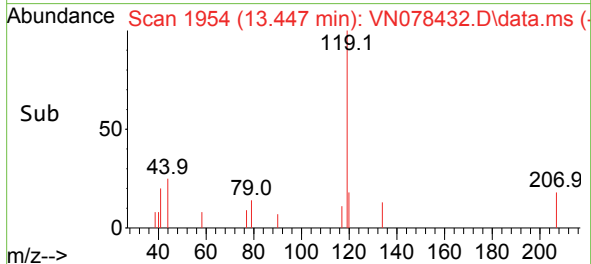
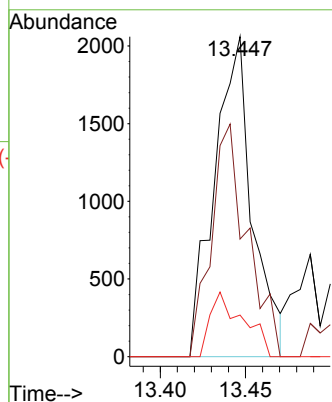
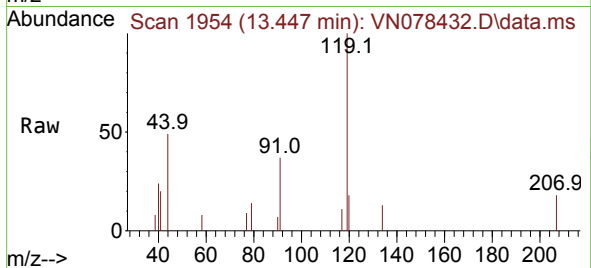
Tgt Ion:119 Resp: 3206

Ion Ratio Lower Upper

119 100

91 68.3 33.9 101.7

134 17.6 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 0.255 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078432.D

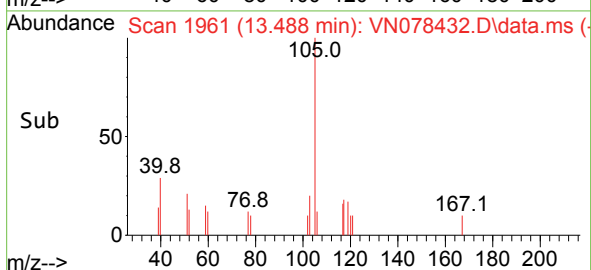
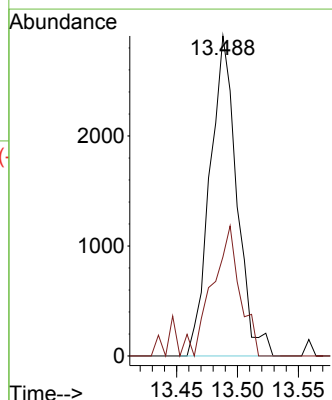
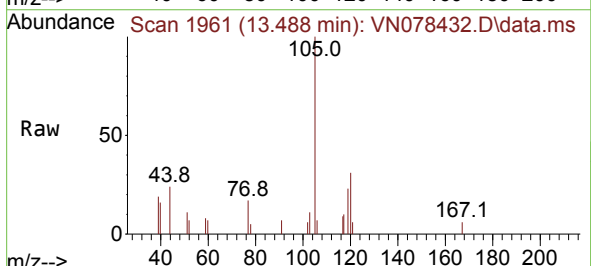
Acq: 28 Jun 2023 11:15

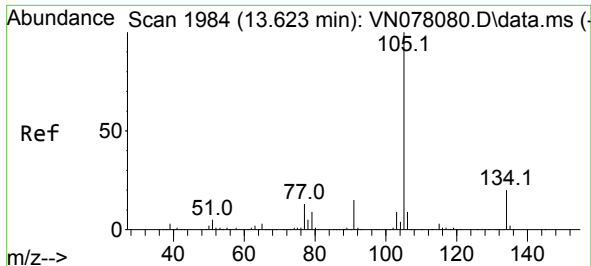
Tgt Ion:105 Resp: 4473

Ion Ratio Lower Upper

105 100

120 40.5 22.0 66.0

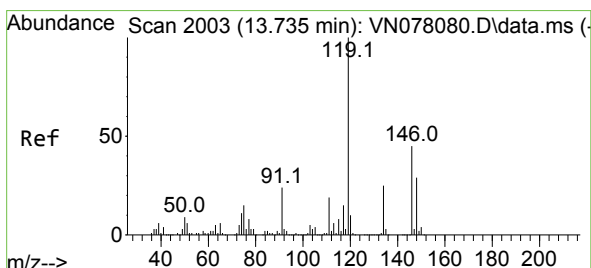
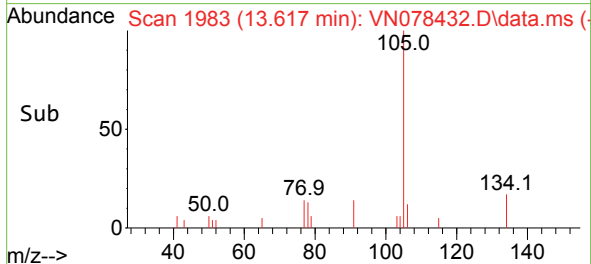
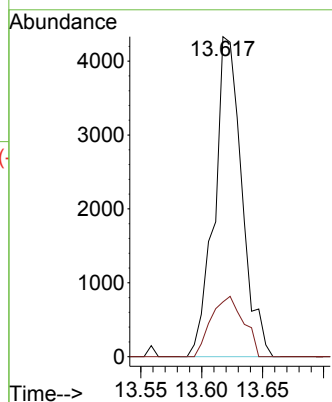
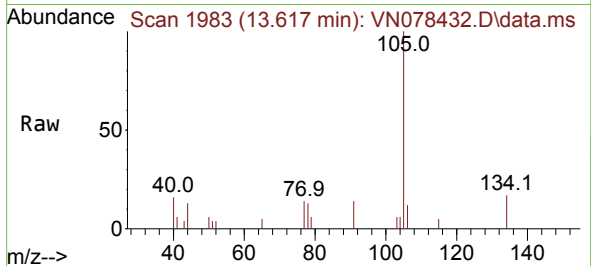




#85
 sec-Butylbenzene
 Concen: 0.329 ug/l
 RT: 13.617 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: VN078432.D
 Acq: 28 Jun 2023 11:15

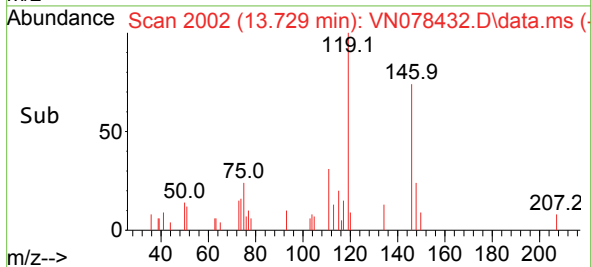
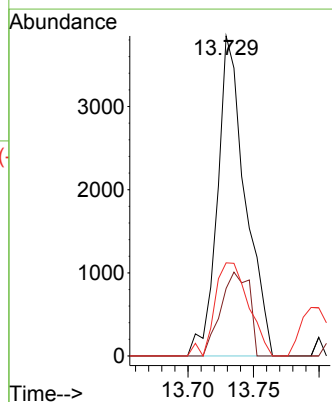
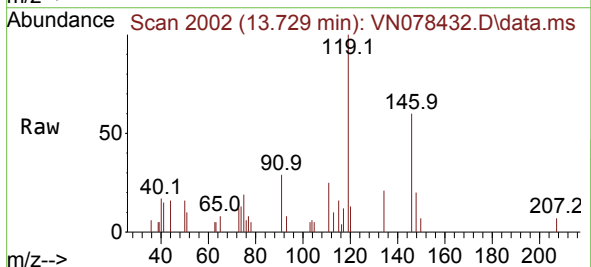
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628MBL01

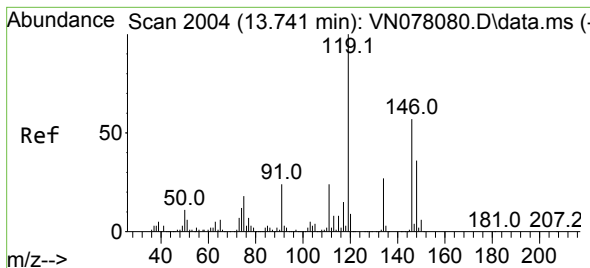
Tgt Ion:105 Resp: 6772
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.341 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN078432.D
 Acq: 28 Jun 2023 11:15

Tgt Ion:119 Resp: 5686
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.6 37.8
 91 35.2 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.477 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.012 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01

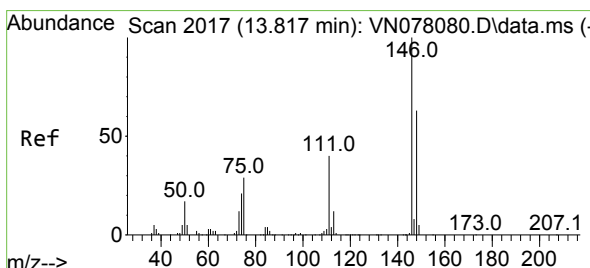
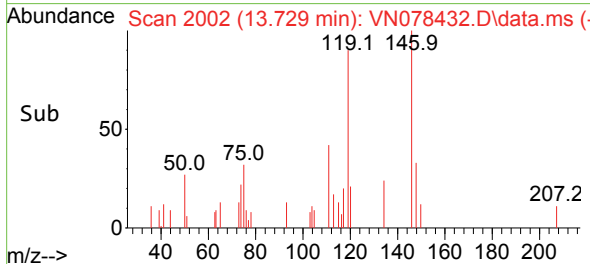
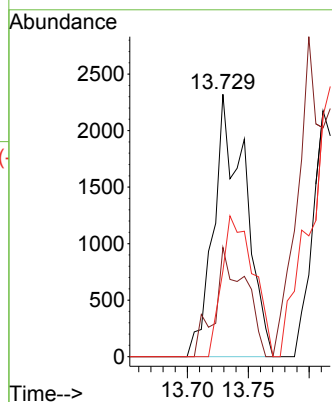
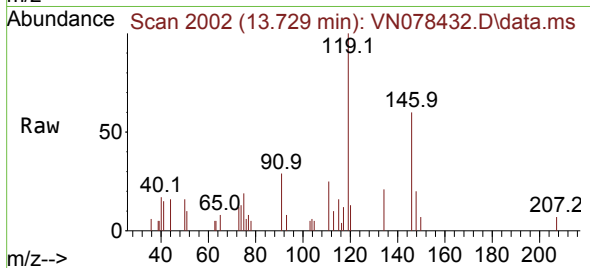
Tgt Ion:146 Resp: 4179

Ion Ratio Lower Upper

146 100

111 40.3 22.1 66.3

148 54.0 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.494 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.088 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

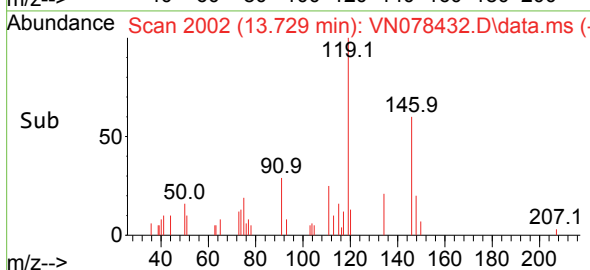
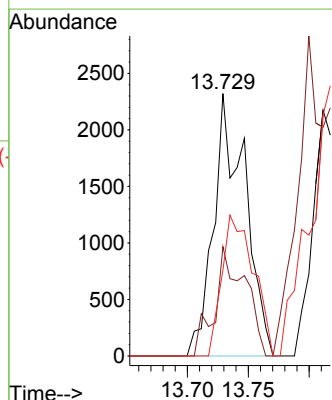
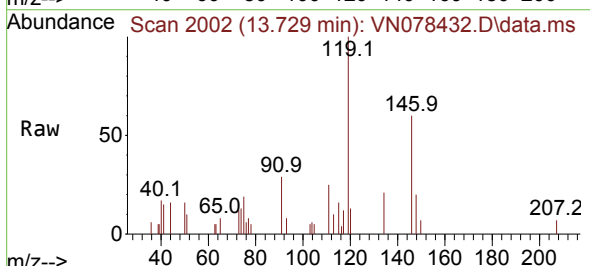
Tgt Ion:146 Resp: 4179

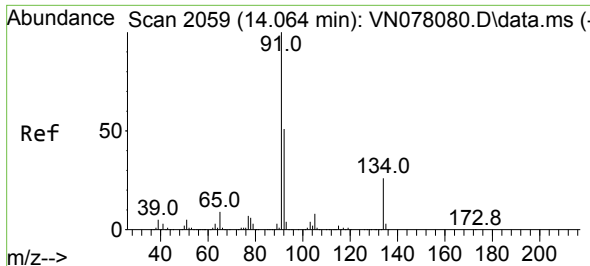
Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.8

148 54.0 31.6 94.8

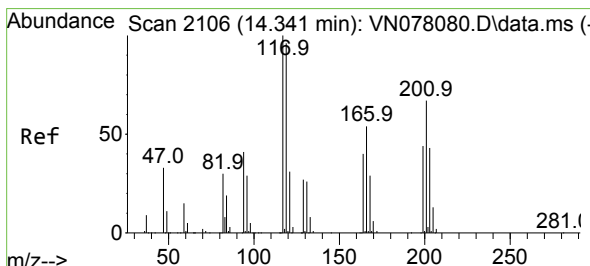
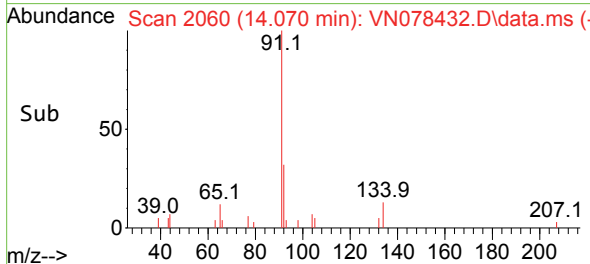
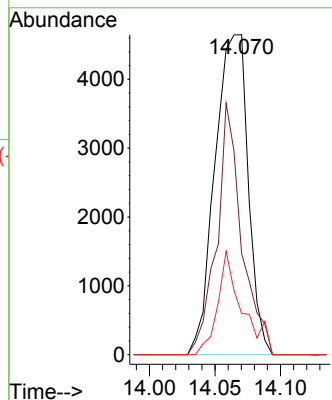
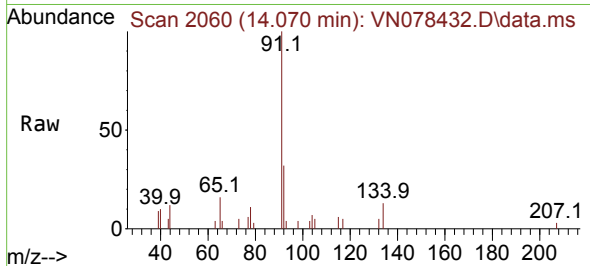




#89
n-Butylbenzene
Concen: 0.623 ug/l
RT: 14.070 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

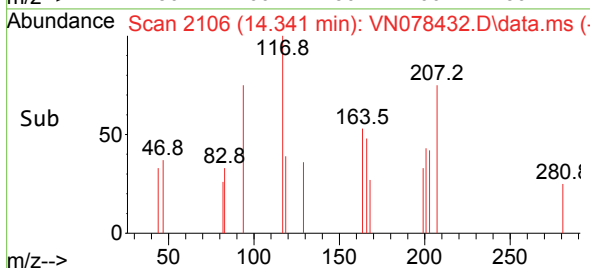
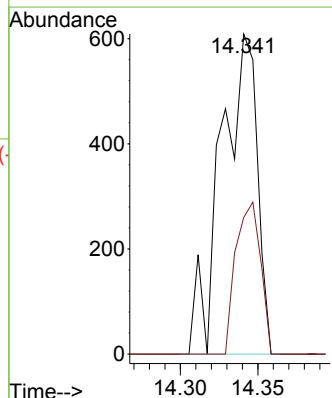
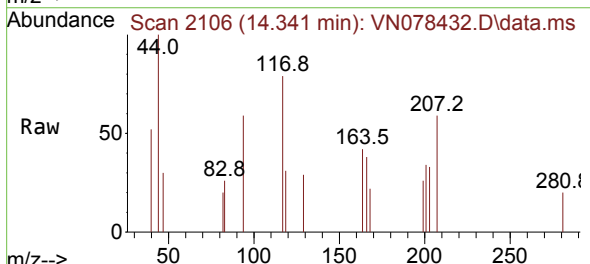
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

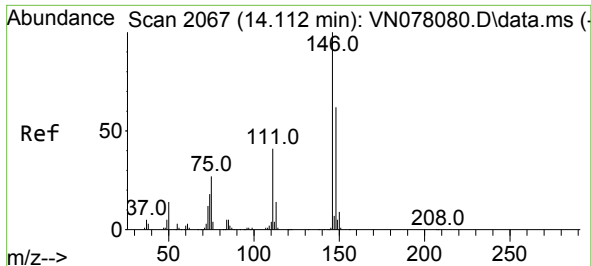
Tgt Ion: 91 Resp: 8198
Ion Ratio Lower Upper
91 100
92 59.1 26.4 79.0
134 23.8 12.6 37.6



#90
Hexachloroethane
Concen: 0.332 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 117 Resp: 983
Ion Ratio Lower Upper
117 100
201 32.5 29.3 88.0

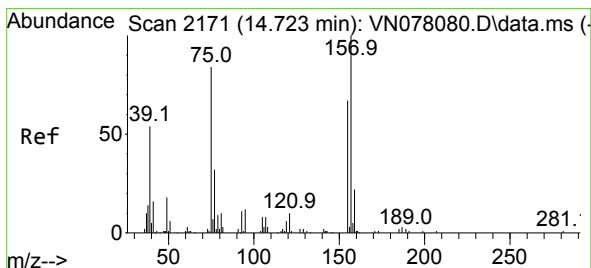
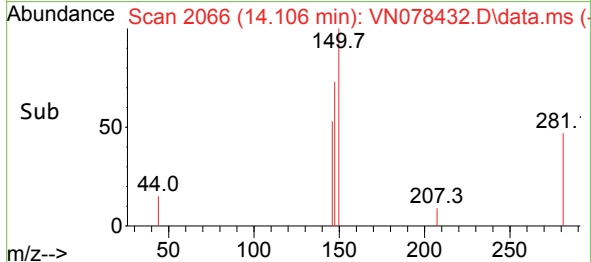
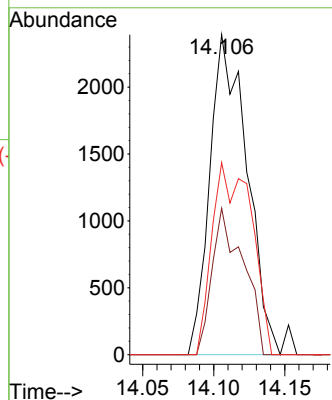
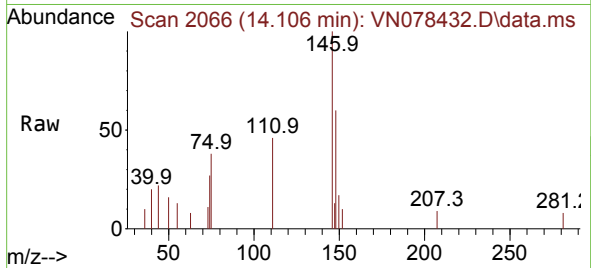




#91
1,2-Dichlorobenzene
Concen: 0.507 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

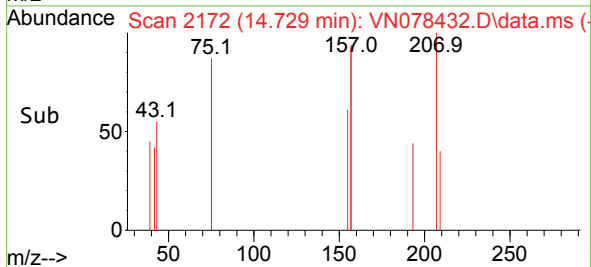
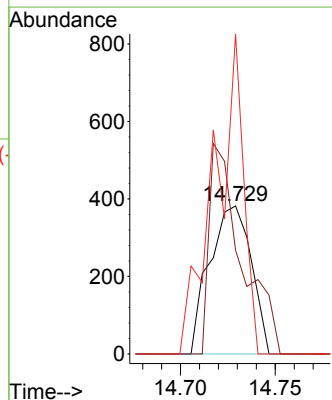
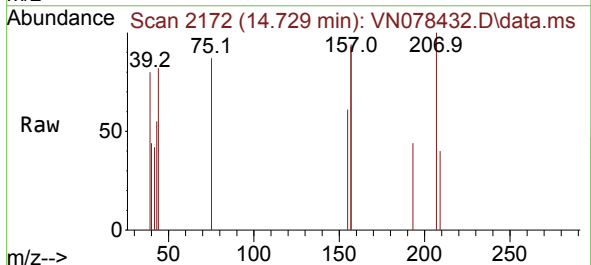
Instrument :
MSVOA_N
ClientSampleId :
VN0628MBL01

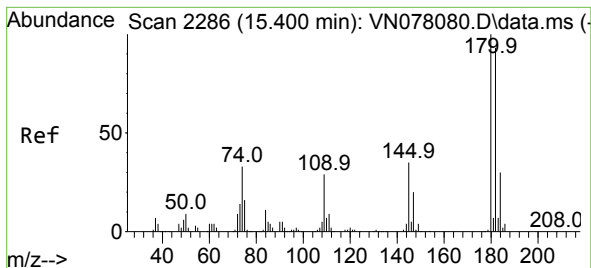
Tgt Ion:146 Resp: 4346
Ion Ratio Lower Upper
146 100
111 38.4 22.0 66.0
148 63.8 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.529 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078432.D
Acq: 28 Jun 2023 11:15

Tgt Ion: 75 Resp: 585
Ion Ratio Lower Upper
75 100
155 110.1 39.1 117.2
157 149.9 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 1.174 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078432.D

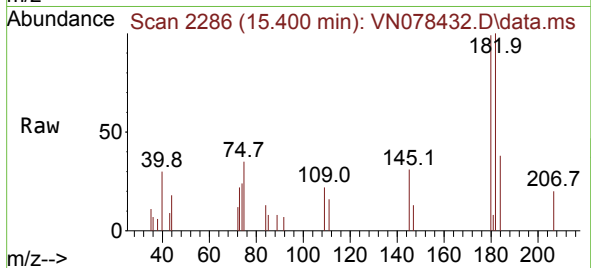
Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01



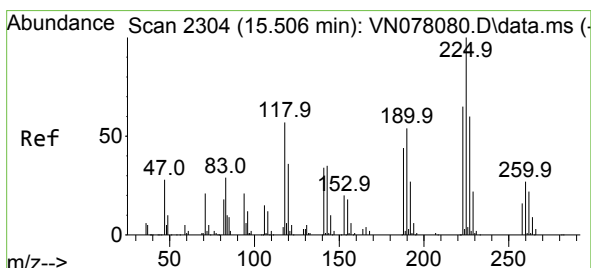
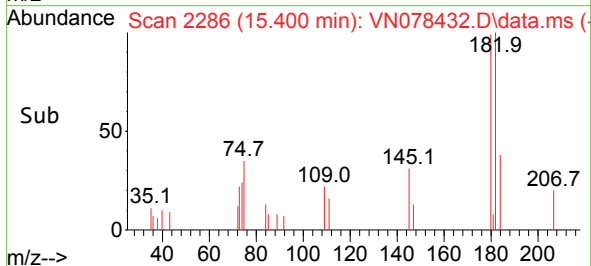
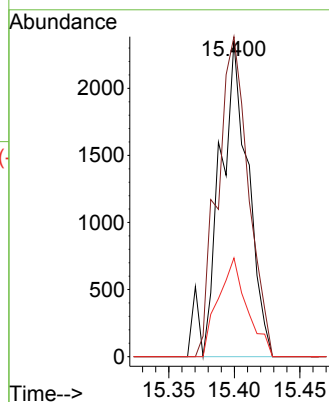
Tgt Ion:180 Resp: 3584

Ion Ratio Lower Upper

180 100

182 108.7 46.1 138.2

145 31.4 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.322 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. -0.001 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

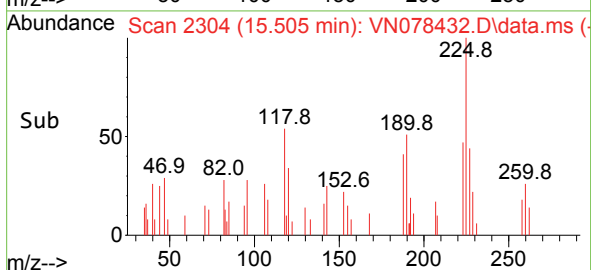
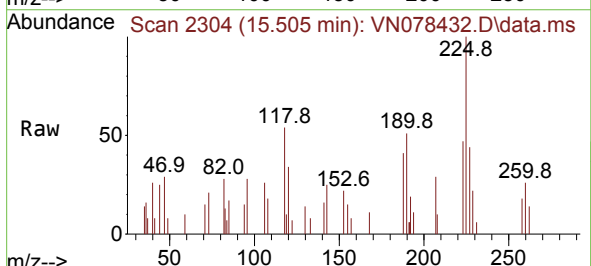
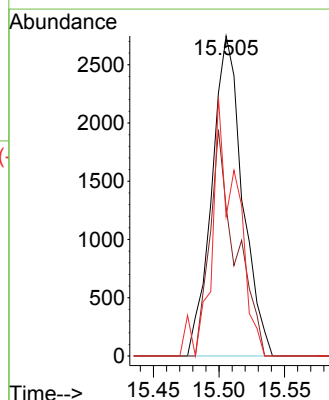
Tgt Ion:225 Resp: 4465

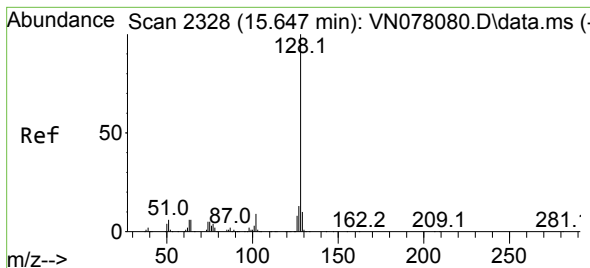
Ion Ratio Lower Upper

225 100

223 59.6 31.3 93.8

227 65.4 31.9 95.9





#95

Naphthalene

Concen: 1.409 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0628MBL01

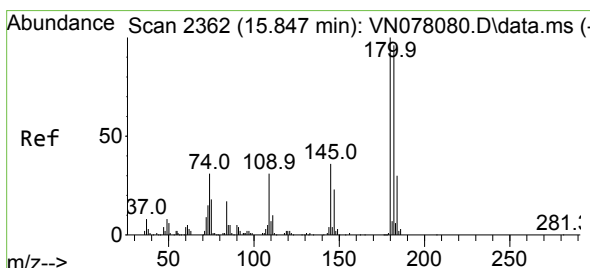
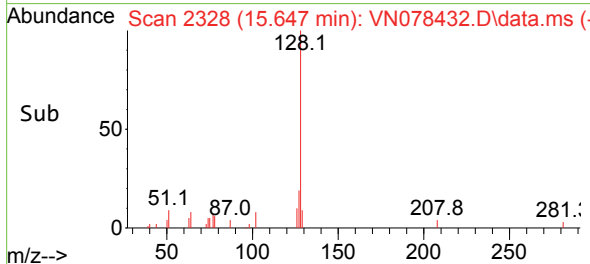
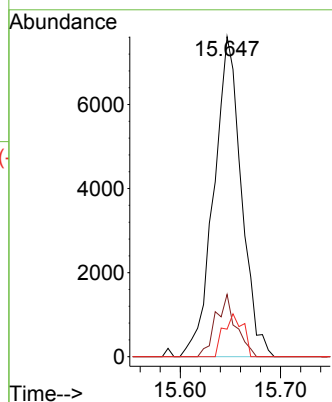
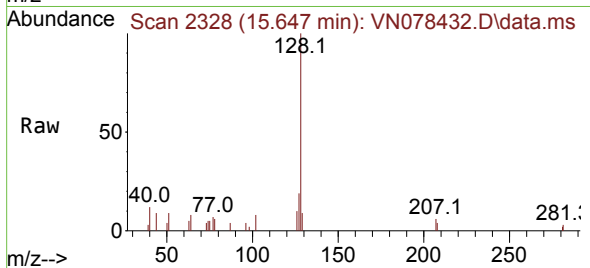
Tgt Ion:128 Resp: 14470

Ion Ratio Lower Upper

128 100

127 14.4 10.0 15.0

129 9.4 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.584 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN078432.D

Acq: 28 Jun 2023 11:15

Tgt Ion:180 Resp: 5407

Ion Ratio Lower Upper

180 100

182 87.4 46.2 138.6

145 32.1 17.5 52.6

