

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078417.D
 Acq On : 27 Jun 2023 15:29
 Operator : JC\MD
 Sample : 03390-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

Quant Time: Jun 28 07:10:43 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	8.230	168	455113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	835504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	735383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	206362	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	305459	50.339	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.680%	
35) Dibromofluoromethane	8.177	113	294464	55.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.480%	
50) Toluene-d8	10.577	98	938540	46.084	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.160%	
62) 4-Bromofluorobenzene	12.853	95	292454	46.193	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.380%	

Target Compounds				Qvalue		
3) Chloromethane	2.371	50	976	Below Cal	#	88
5) Bromomethane	2.983	94	3390	0.666	ug/l	89
6) Chloroethane	3.106	64	1254	0.273	ug/l #	43
10) Methyl Iodide	4.595	142	1590	0.233	ug/l #	65
13) Acrolein	4.189	56	1014	1.098	ug/l	87
15) Acrylonitrile	5.736	53	902	0.418	ug/l #	64
16) Acetone	4.448	43	2894	1.657	ug/l #	61
17) Carbon Disulfide	4.724	76	5859	0.458	ug/l #	75
18) Methyl Acetate	5.048	43	1895	0.236	ug/l	89
25) 2-Butanone	7.506	43	1551	0.577	ug/l #	37
27) cis-1,2-Dichloroethene	7.494	96	12861	2.011	ug/l	95
28) Bromochloromethane	7.965	49	2455	0.568	ug/l #	5
29) Tetrahydrofuran	7.853	42	441	0.246	ug/l #	20
30) Chloroform	7.977	83	27427	2.706	ug/l	86
31) Cyclohexane	8.230	56	10223	1.313	ug/l #	25
36) 1,1-Dichloropropene	8.236	75	38166	5.037	ug/l #	47
38) Carbon Tetrachloride	8.230	117	49499	6.186	ug/l #	15
43) Isopropyl Acetate	8.759	43	7321	0.647	ug/l #	49
44) Trichloroethene	9.359	130	9959	1.667	ug/l	91
49) 1,4-Dioxane	9.712	88	77	0.771	ug/l #	30
51) 4-Methyl-2-Pentanone	10.471	43	2132	0.358	ug/l #	77
59) 2-Hexanone	11.206	43	3379	0.814	ug/l	78
60) Dibromochloromethane	11.112	129	1174176	198.596	ug/l #	11
64) Tetrachloroethene	11.112	164	1159727	236.390	ug/l	99
68) m/p-Xylenes	12.082	106	2223	0.215	ug/l	98
74) N-amyl acetate	12.494	43	1862	0.290	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.947	83	797	Below Cal		84
76) 1,2,3-Trichloropropane	12.859	75	155105	31.794	ug/l #	1
77) Bromobenzene	12.976	156	1264	0.279	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.859	75	155105	97.680	ug/l #	15
82) 4-Chlorotoluene	13.223	91	3267	0.256	ug/l	87
84) 1,2,4-Trimethylbenzene	13.488	105	3087	0.202	ug/l	86
85) sec-Butylbenzene	13.618	105	3655	0.203	ug/l	88
86) p-Isopropyltoluene	13.729	119	4274	0.293	ug/l	85
87) 1,3-Dichlorobenzene	13.741	146	2363	0.308	ug/l	94
88) 1,4-Dichlorobenzene	13.741	146	2363	0.320	ug/l	92

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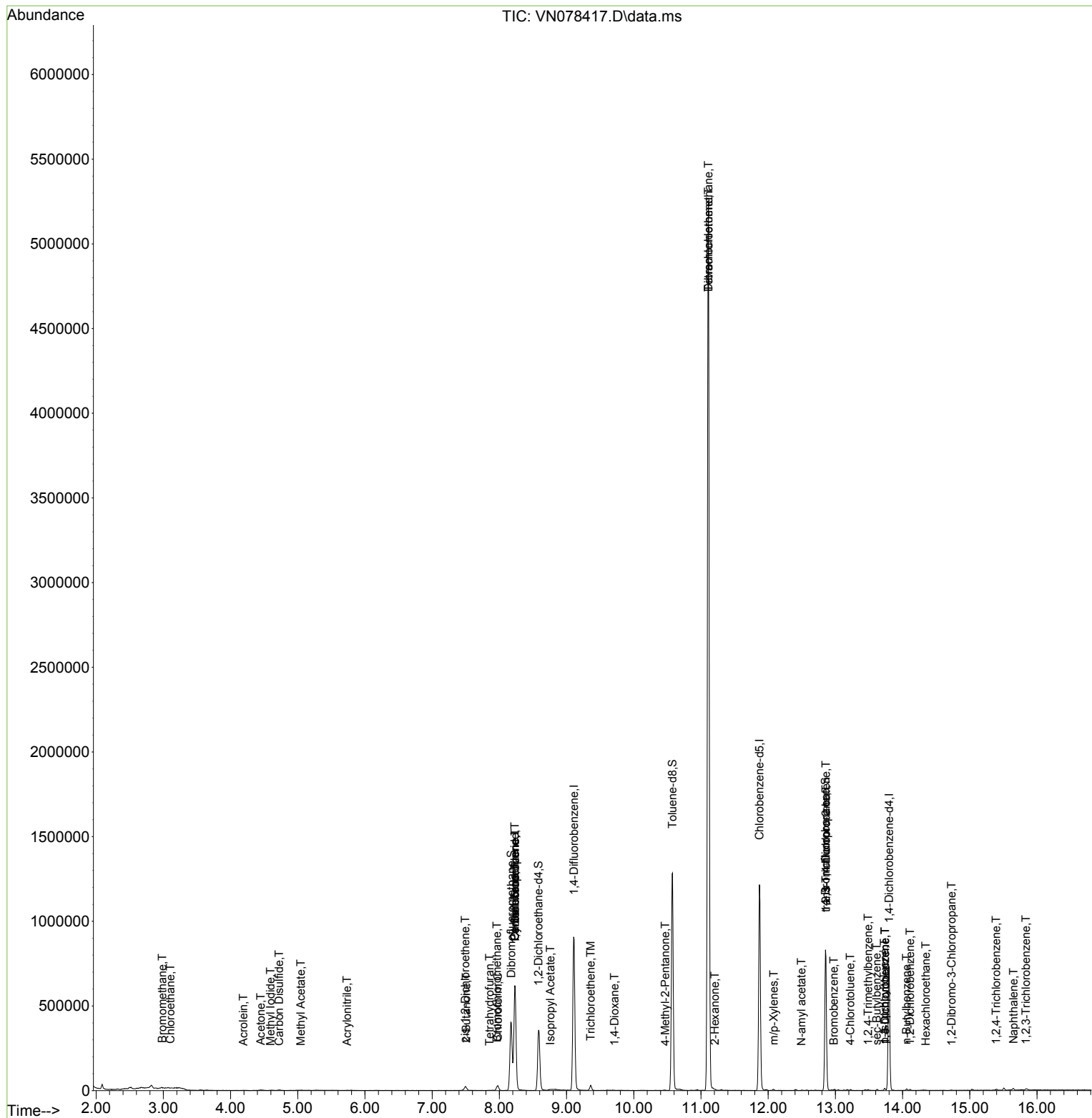
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	14.059	91	4897	0.426	ug/l	88
90) Hexachloroethane	14.347	117	555	0.214	ug/l #	54
91) 1,2-Dichlorobenzene	14.112	146	2291	0.306	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.729	75	534	0.552	ug/l #	42
93) 1,2,4-Trichlorobenzene	15.394	180	1911	0.716	ug/l	92
94) Hexachlorobutadiene	15.506	225	2341	Below Cal		86
95) Naphthalene	15.653	128	7457	0.831	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.835	180	3038	1.018	ug/l	92

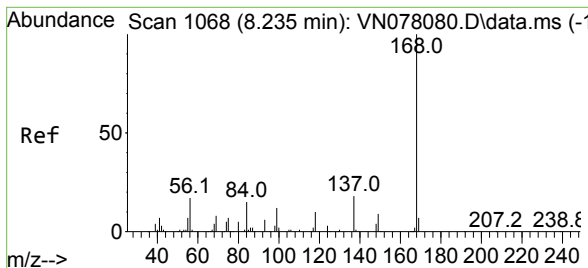
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078417.D

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Instrument :

MSVOA_N

ClientSampleId :

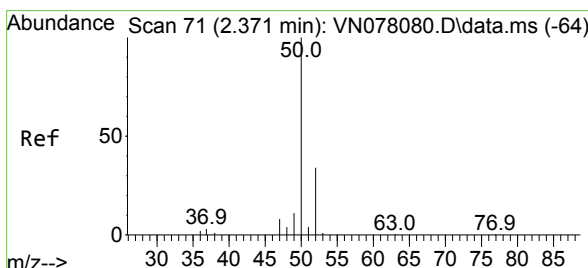
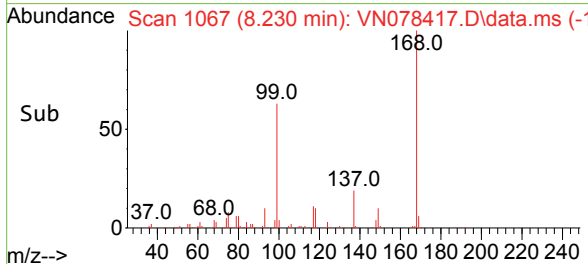
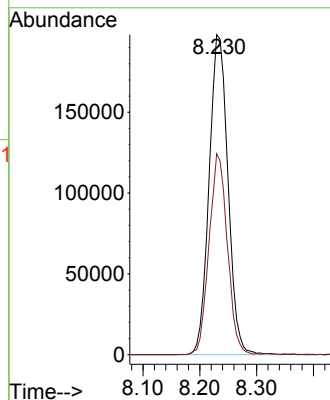
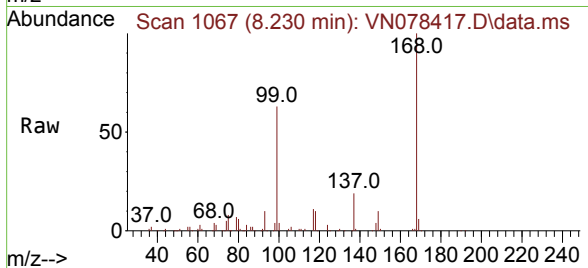
TW-3

Tgt Ion:168 Resp: 455113

Ion Ratio Lower Upper

168 100

99 62.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078417.D

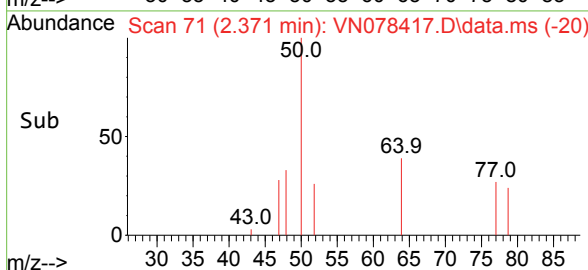
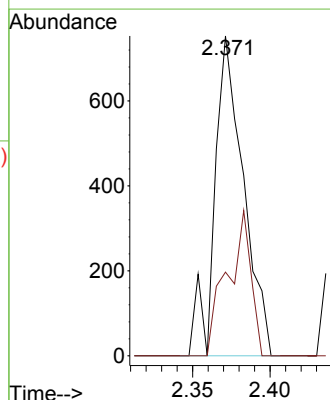
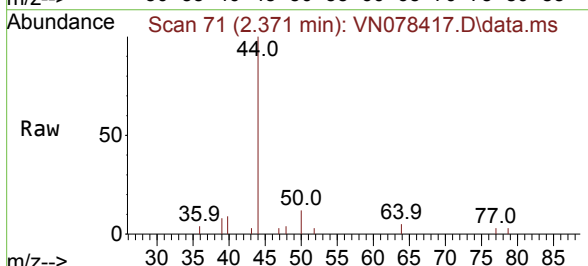
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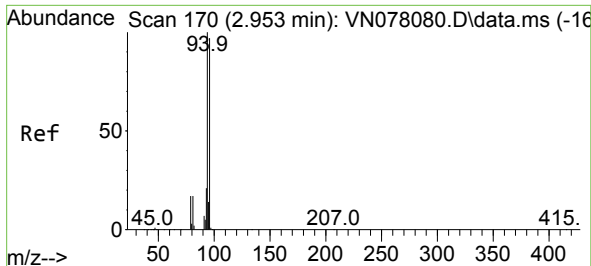
Tgt Ion: 50 Resp: 976

Ion Ratio Lower Upper

50 100

52 26.2 26.5 39.7#

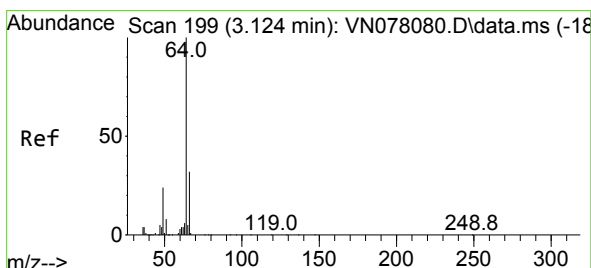
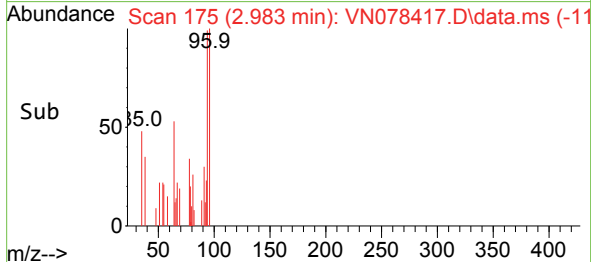
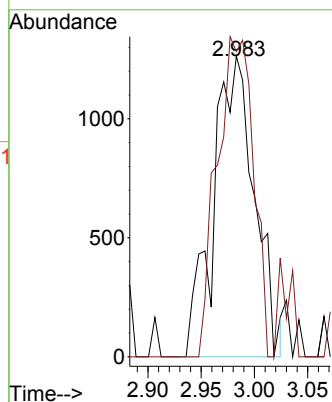
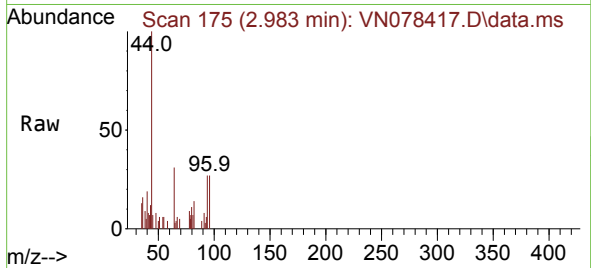




#5
Bromomethane
Concen: 0.666 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

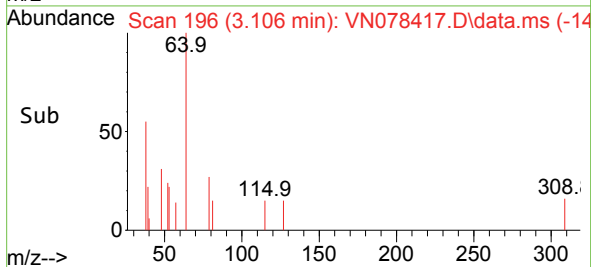
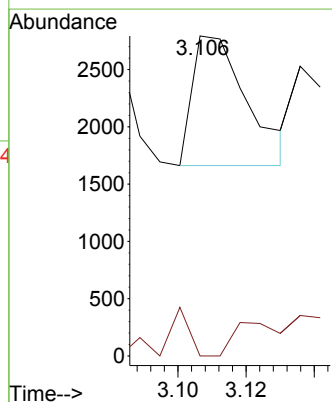
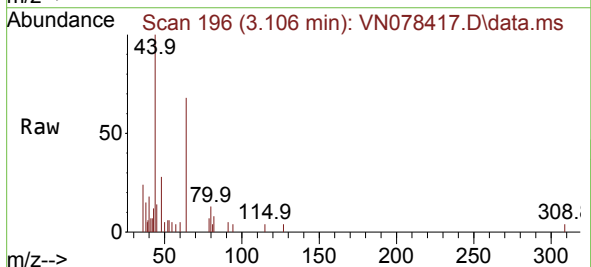
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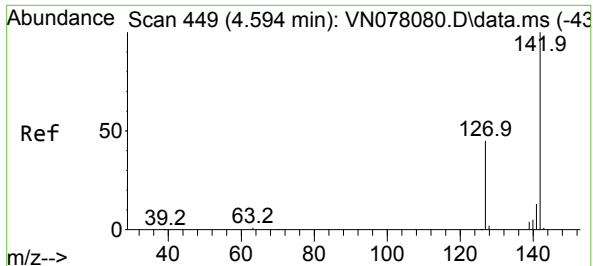
Tgt Ion: 94 Resp: 3390
Ion Ratio Lower Upper
94 100
96 101.5 73.1 109.7



#6
Chloroethane
Concen: 0.273 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

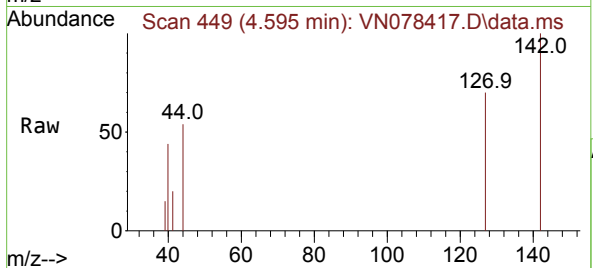
Tgt Ion: 64 Resp: 1254
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



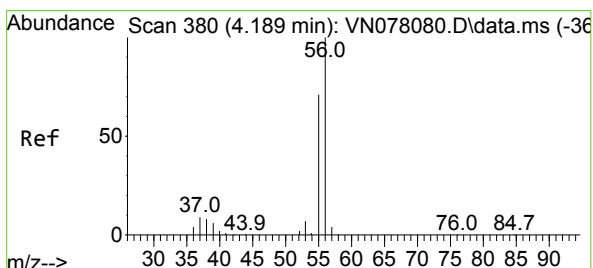
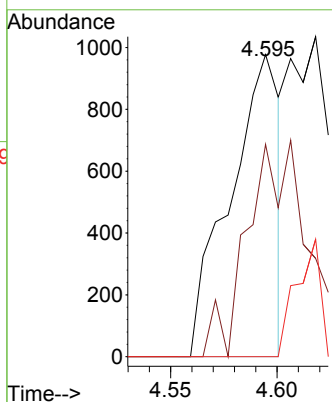
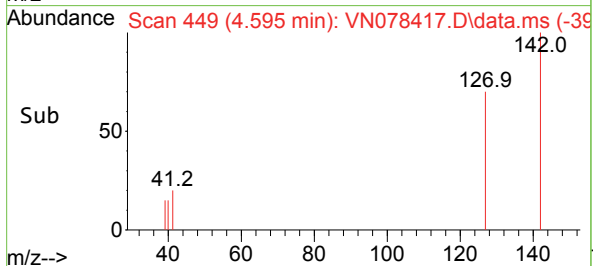


#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :
TW-3

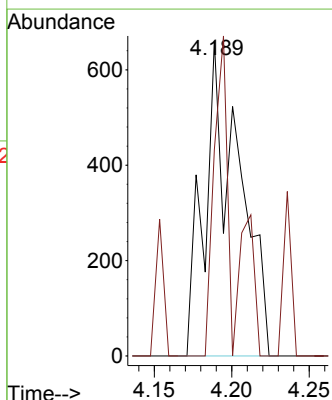
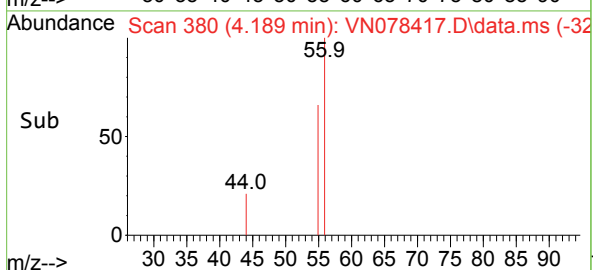
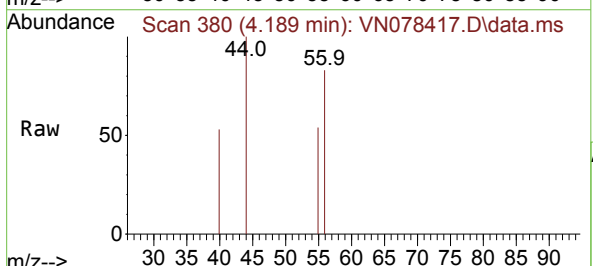


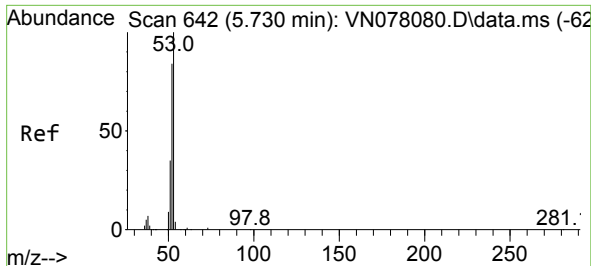
Tgt Ion:142 Resp: 1590
Ion Ratio Lower Upper
142 100
127 70.3 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 1.098 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 56 Resp: 1014
Ion Ratio Lower Upper
56 100
55 57.7 54.5 81.7

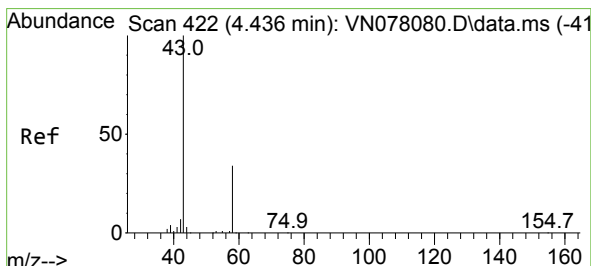
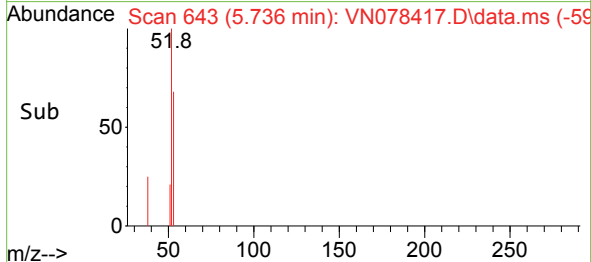
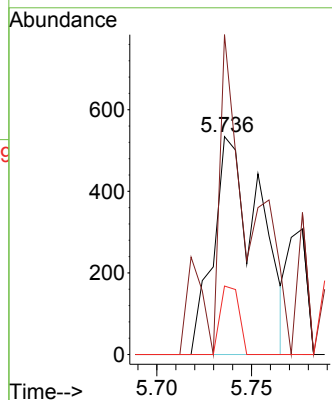
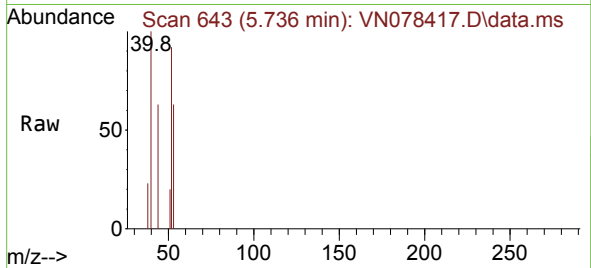




#15
Acrylonitrile
Concen: 0.418 ug/l
RT: 5.736 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

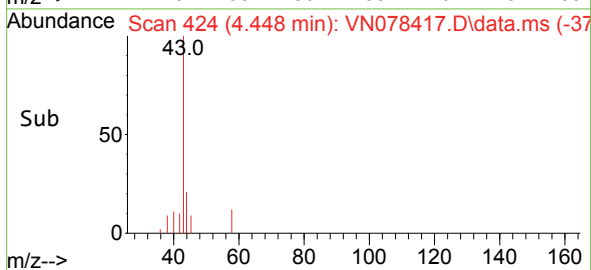
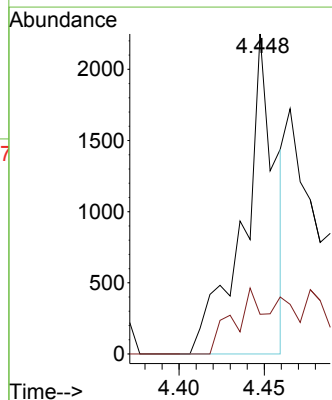
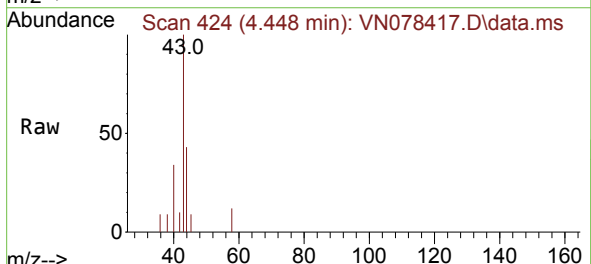
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ClientSampleId :
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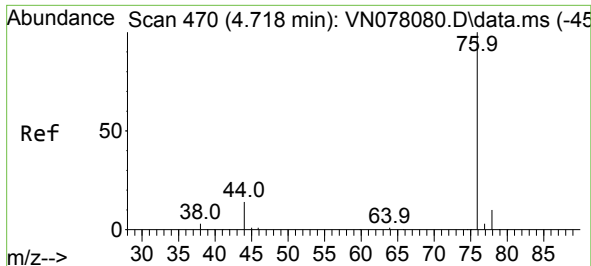
Tgt Ion: 53 Resp: 902
Ion Ratio Lower Upper
53 100
52 111.8 65.3 97.9#
51 12.7 28.9 43.3#



#16
Acetone
Concen: 1.657 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
58 12.4 28.0 42.0#

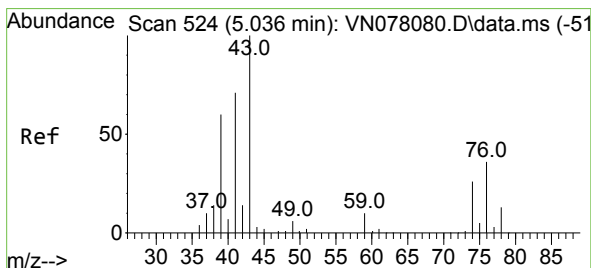
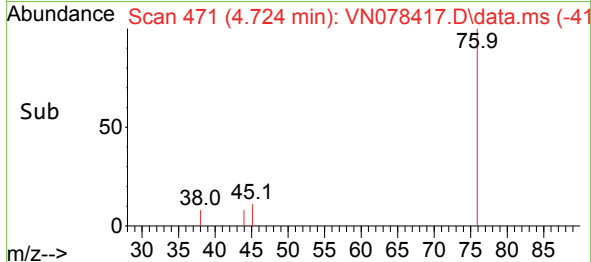
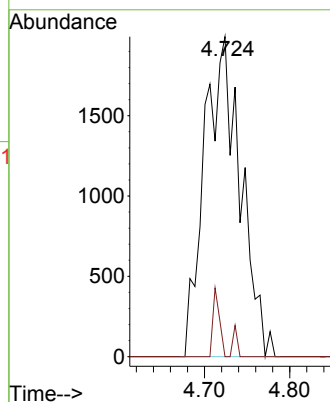
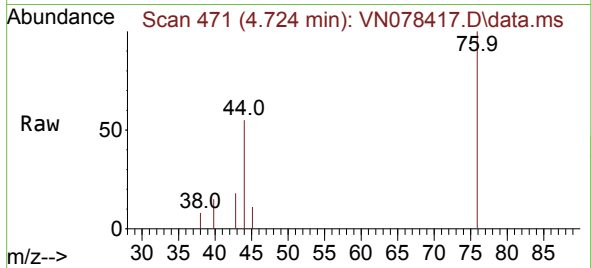




#17
Carbon Disulfide
Concen: 0.458 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

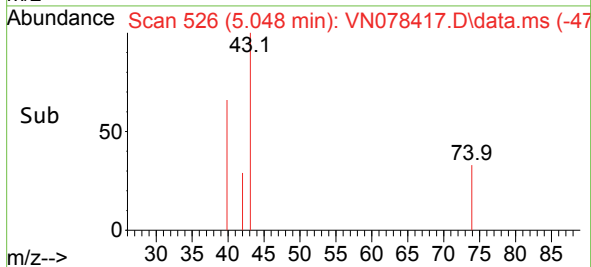
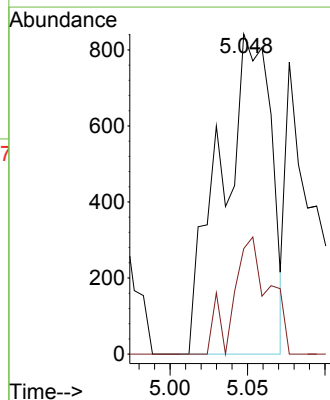
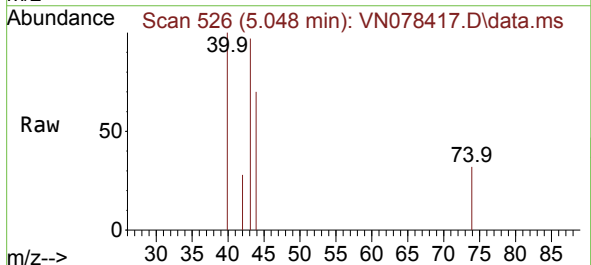
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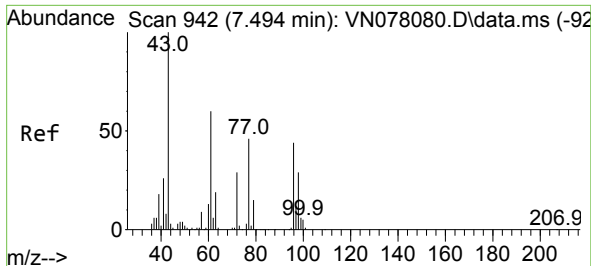
Tgt Ion: 76 Resp: 5859
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
74 26.3 26.2 39.4

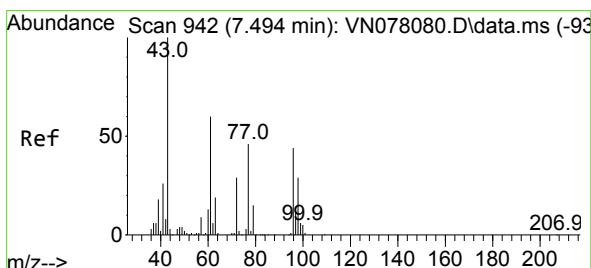
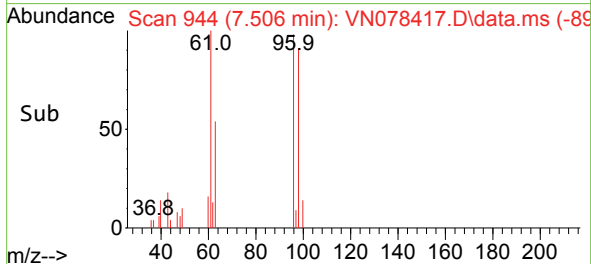
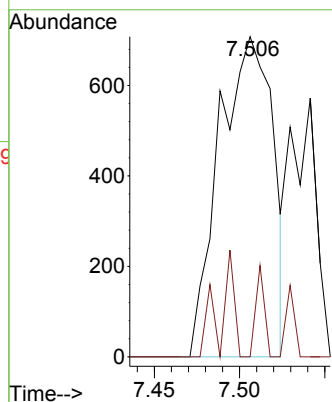
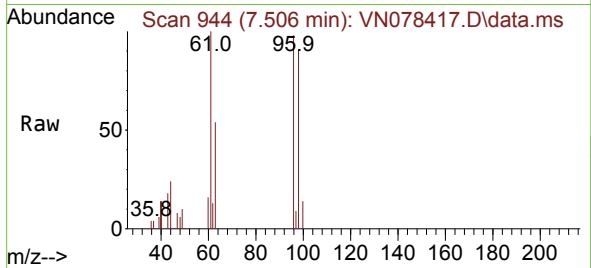




#25
2-Butanone
Concen: 0.577 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

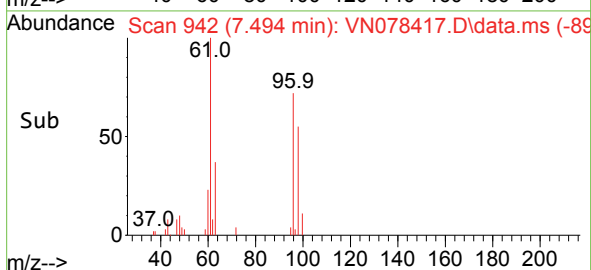
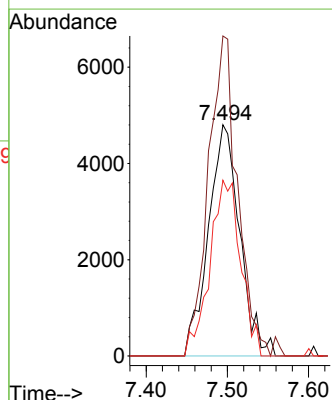
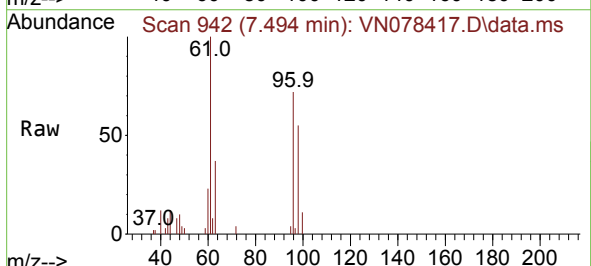
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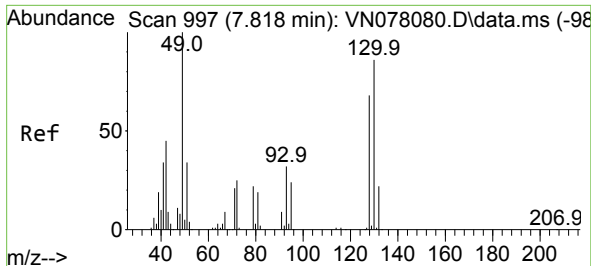
Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 2.011 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078417.D
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Tgt Ion: 96 Resp: 12861
Ion Ratio Lower Upper
96 100
61 129.3 0.0 255.2
98 74.9 0.0 128.8

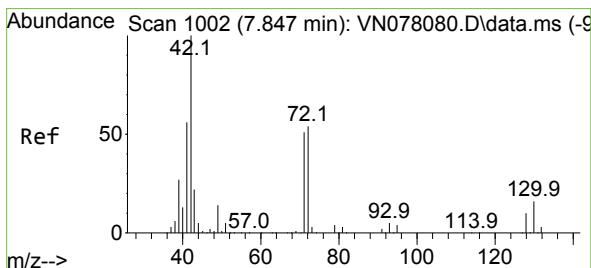
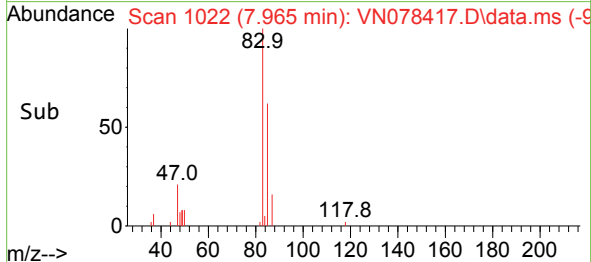
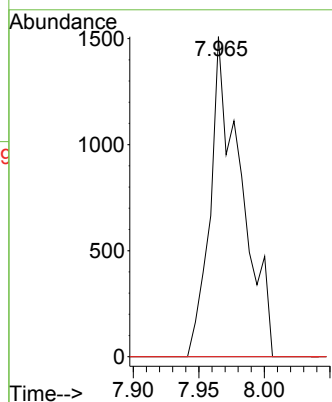
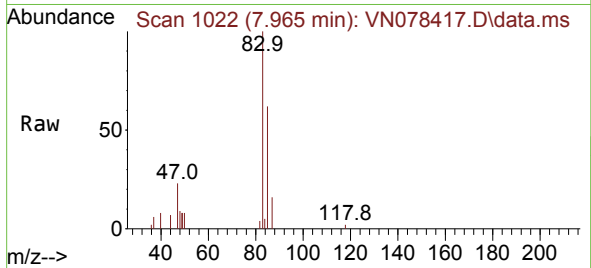




#28
Bromochloromethane
Concen: 0.568 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.147 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

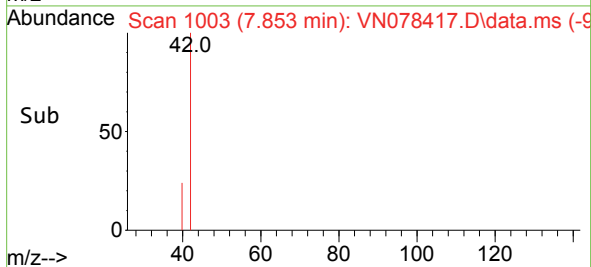
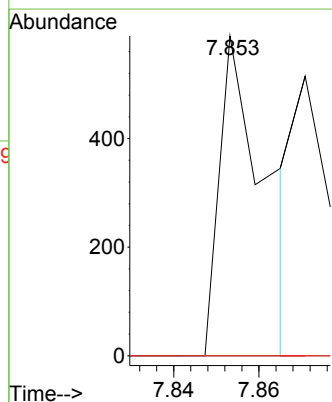
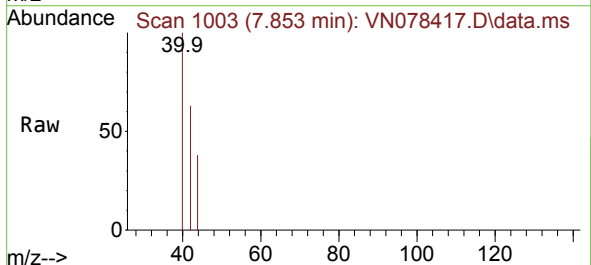
Instrument :
MSVOA_N
ClientSampleId :
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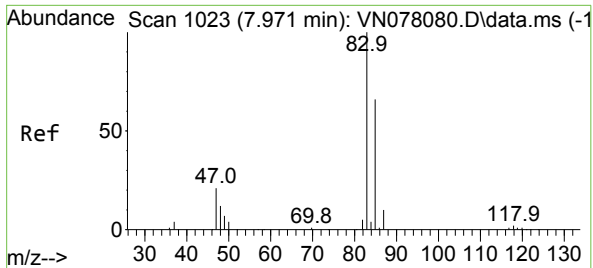
Tgt Ion: 49 Resp: 2455
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 42 Resp: 441
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

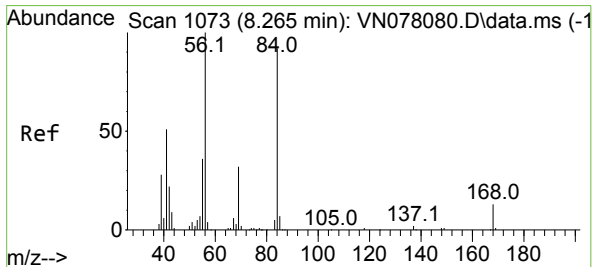
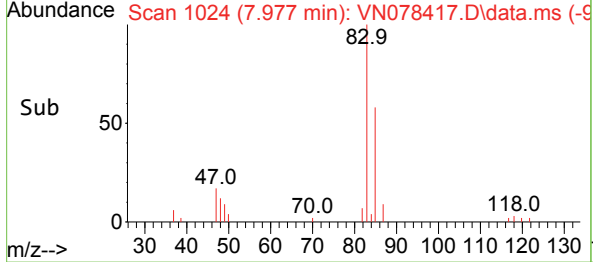
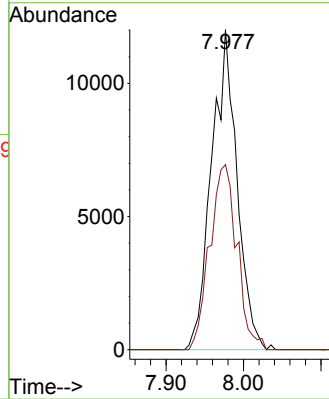
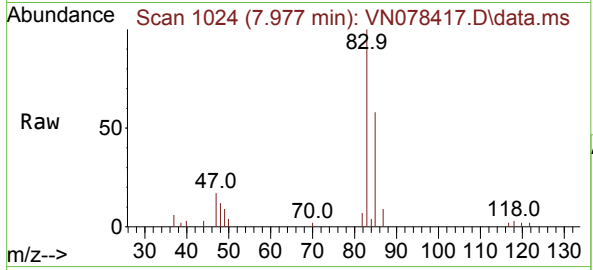




#30
Chloroform
Concen: 2.706 ug/l
RT: 7.977 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

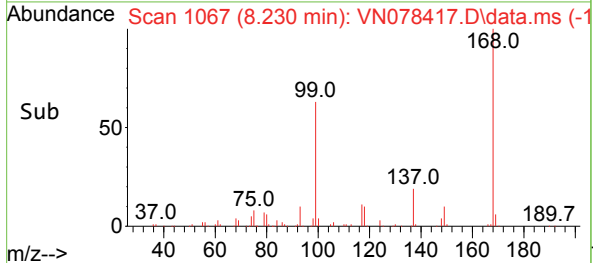
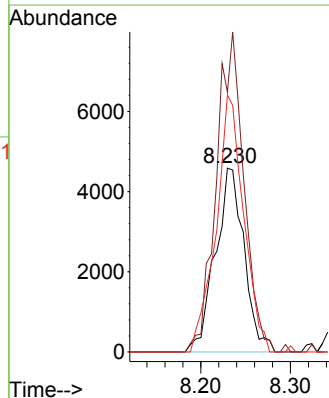
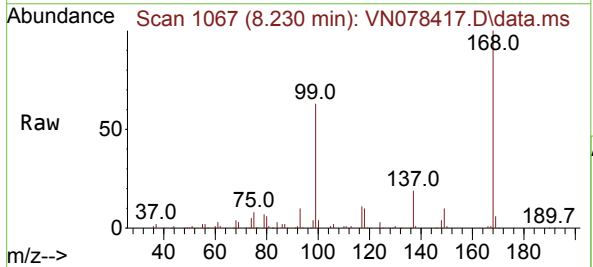
Instrument :
MSVOA_N
ClientSampleId :
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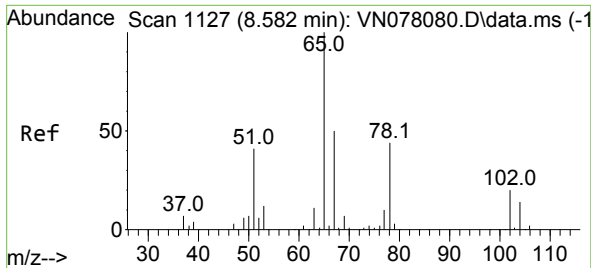
Tgt Ion: 83 Resp: 27427
Ion Ratio Lower Upper
83 100
85 57.9 55.4 83.0



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 56 Resp: 10223
Ion Ratio Lower Upper
56 100
69 141.2 26.8 40.2#
84 139.7 81.8 122.6#

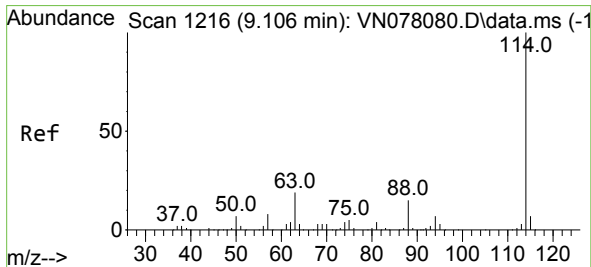
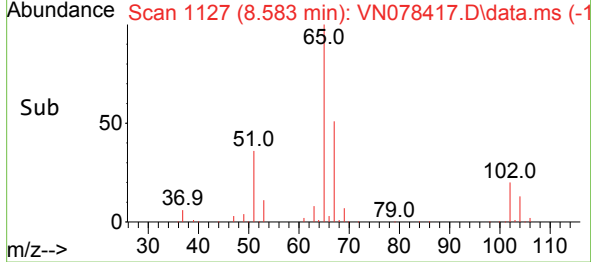
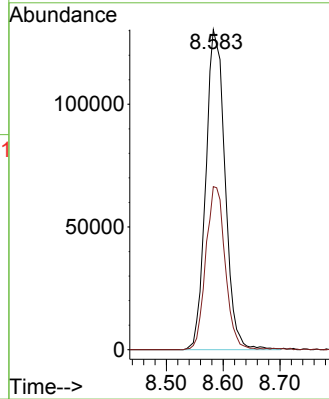
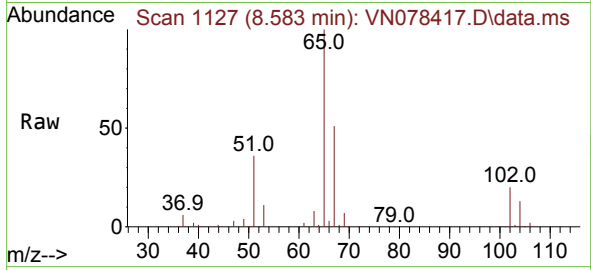




#33
1,2-Dichloroethane-d4
Concen: 50.339 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

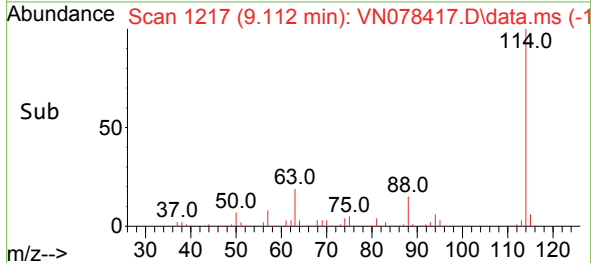
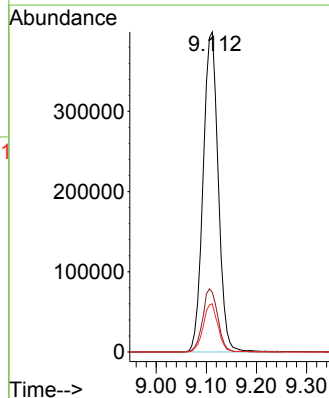
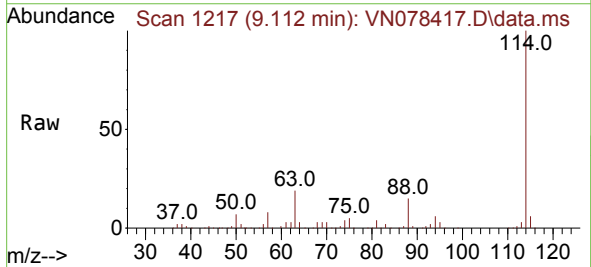
Instrument :
MSVOA_N
ClientSampleId :
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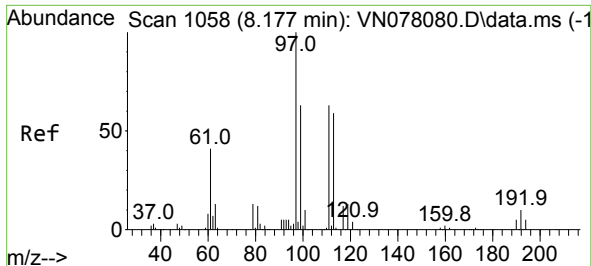
Tgt Ion: 65 Resp: 305459
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 114 Resp: 835504
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.4
88 15.1 0.0 30.6

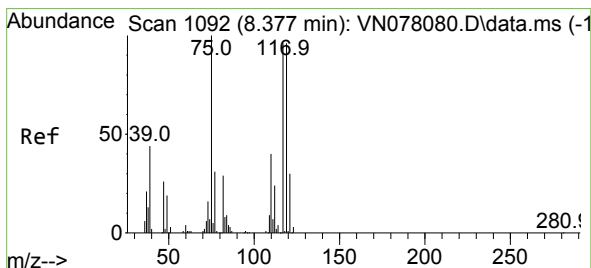
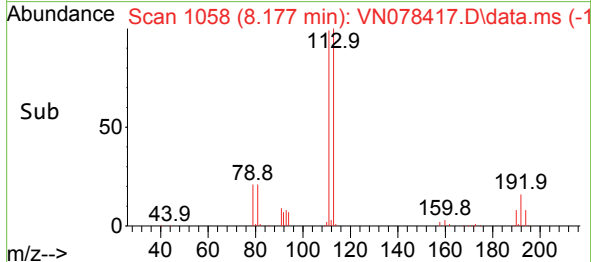
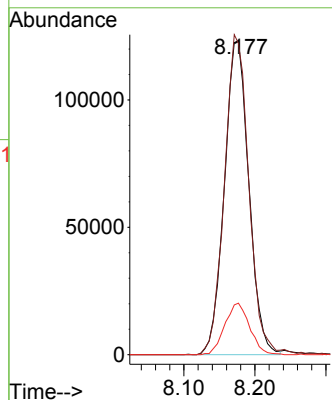
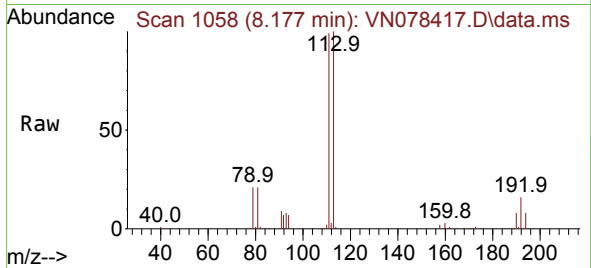




#35
Dibromofluoromethane
Concen: 55.740 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

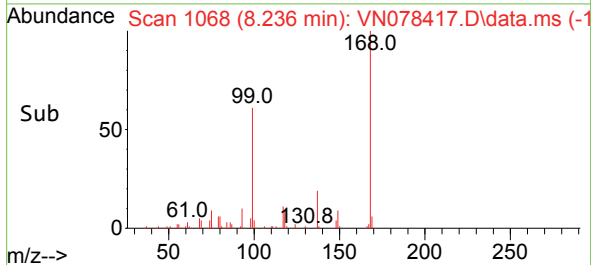
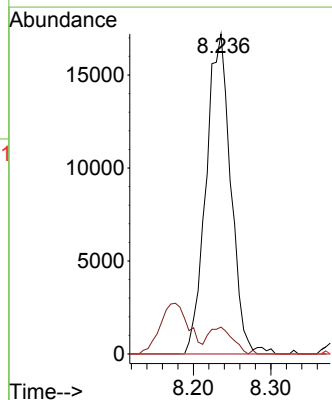
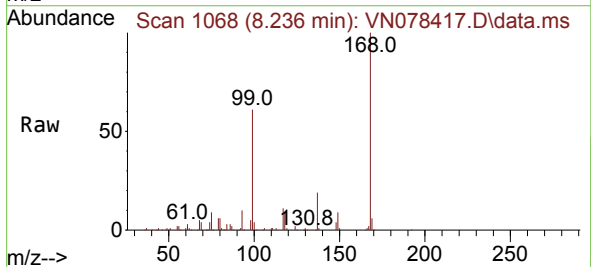
Instrument :
MSVOA_N
ClientSampleId :
TW-3

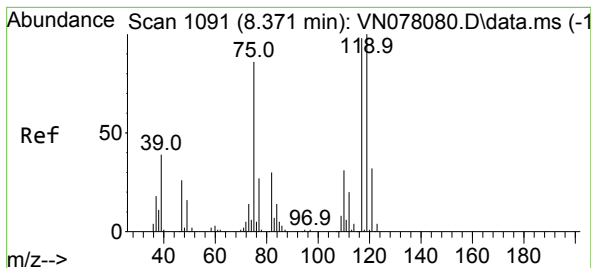
Tgt Ion:113 Resp: 294464
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 75 Resp: 38166
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.186 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN078417.D

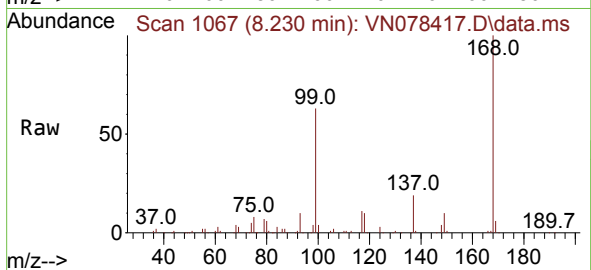
Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3



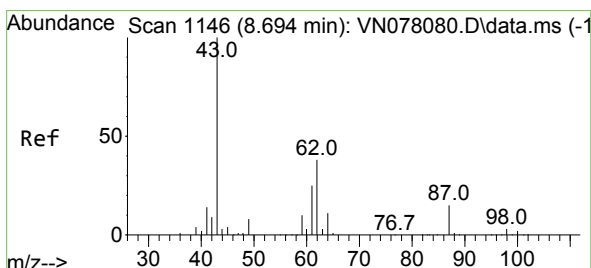
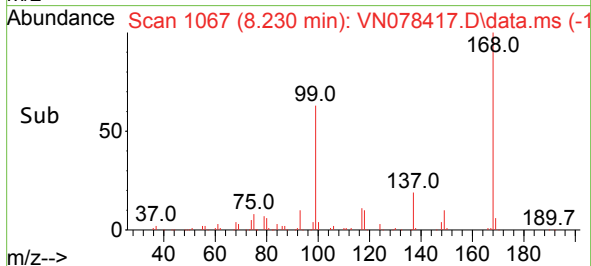
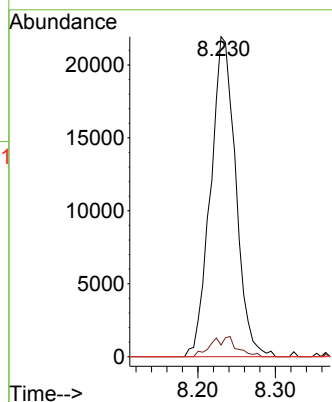
Tgt Ion:117 Resp: 49499

Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.647 ug/l

RT: 8.759 min Scan# 1157

Delta R.T. 0.065 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

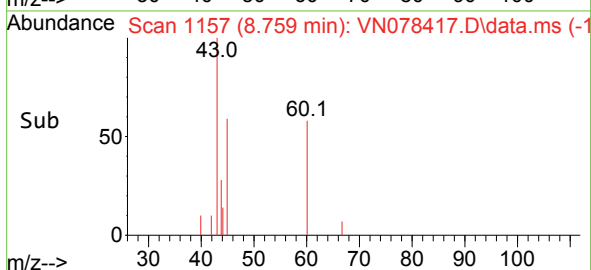
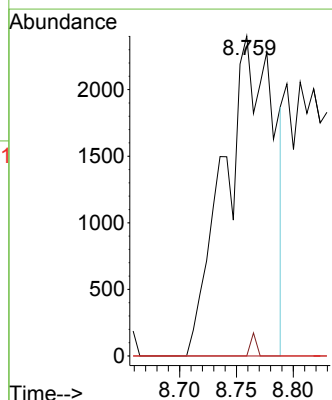
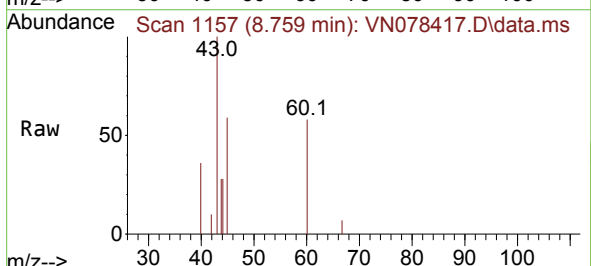
Tgt Ion: 43 Resp: 7321

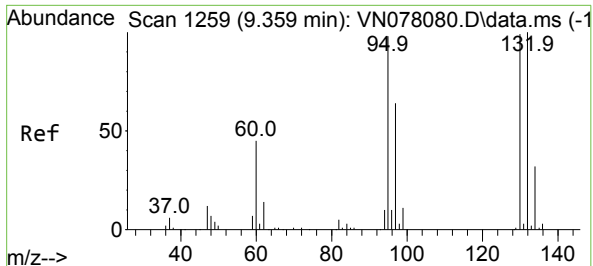
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

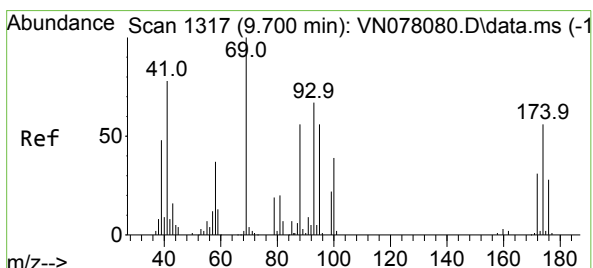
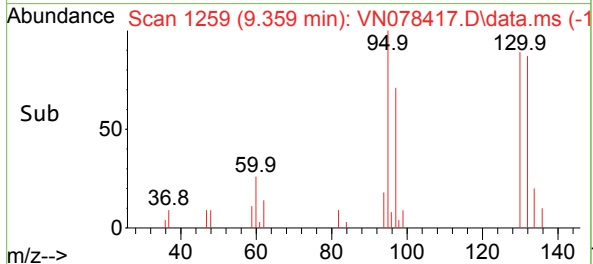
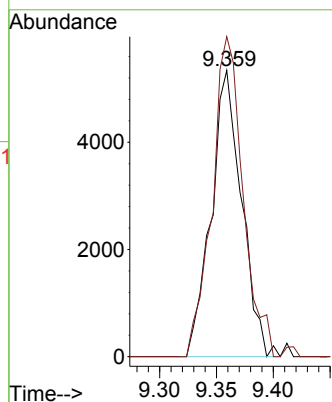
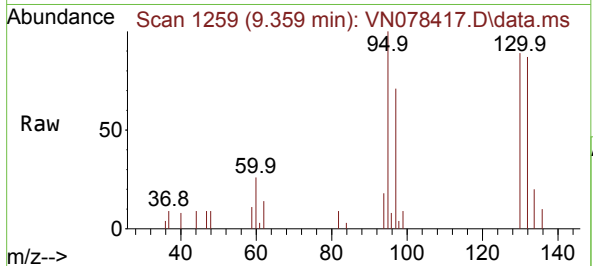




#44
Trichloroethene
Concen: 1.667 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

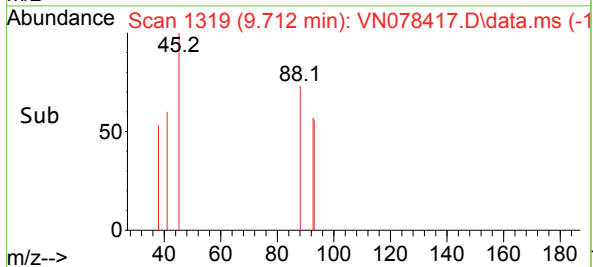
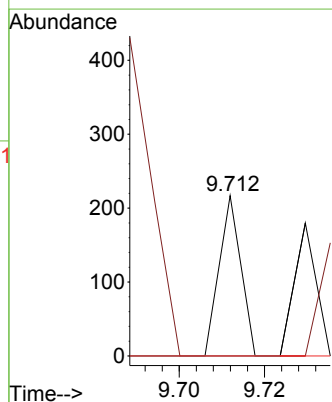
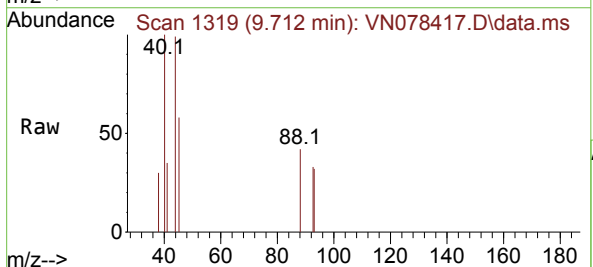
Instrument :
MSVOA_N
ClientSampleId :
TW-3

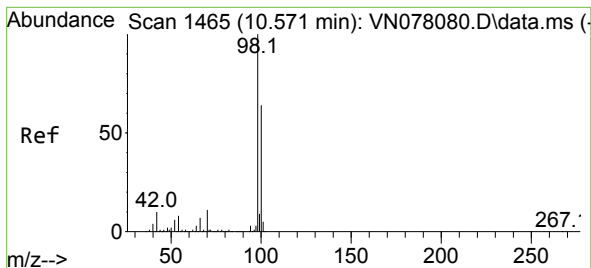
Tgt Ion:130 Resp: 9959
Ion Ratio Lower Upper
130 100
95 111.8 0.0 204.6



#49
1,4-Dioxane
Concen: 0.771 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#





#50

Toluene-d8

Concen: 46.084 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

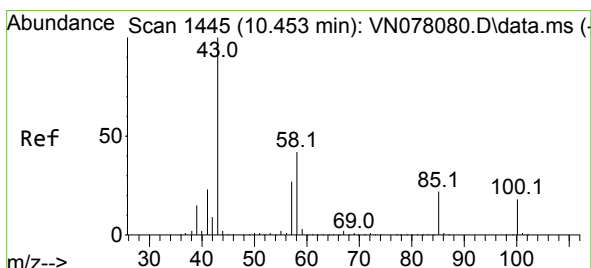
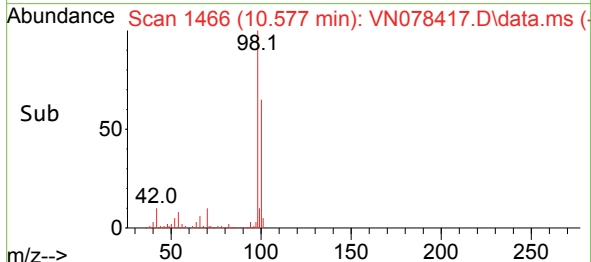
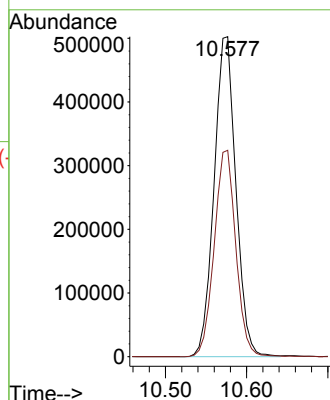
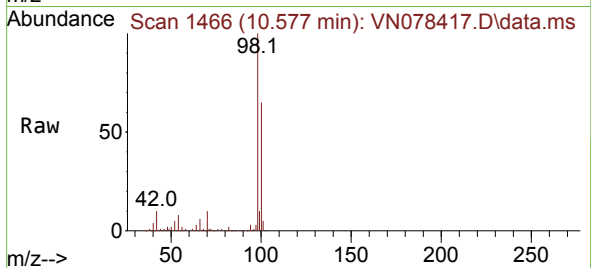
TW-3

Tgt Ion: 98 Resp: 938540

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.358 ug/l

RT: 10.471 min Scan# 1448

Delta R.T. 0.018 min

Lab File: VN078417.D

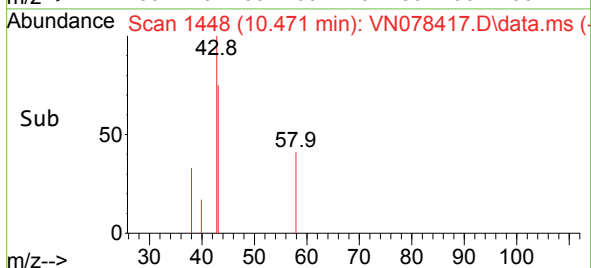
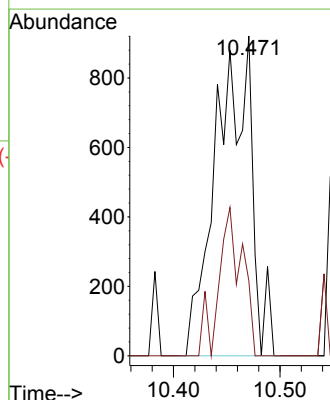
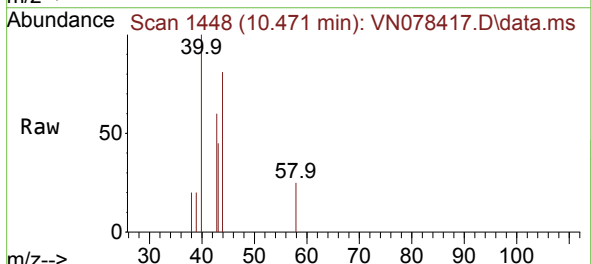
Acq: 27 Jun 2023 15:29

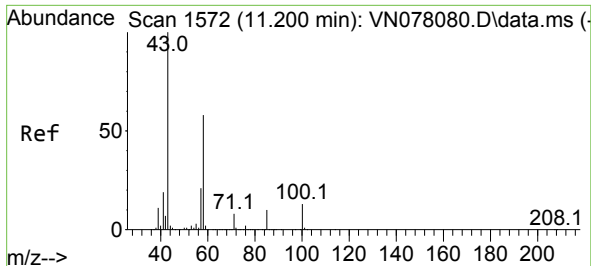
Tgt Ion: 43 Resp: 2132

Ion Ratio Lower Upper

43 100

58 30.8 36.6 54.8#

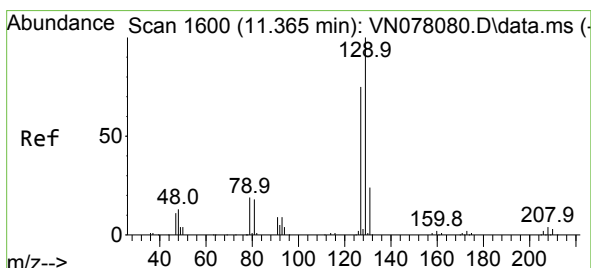
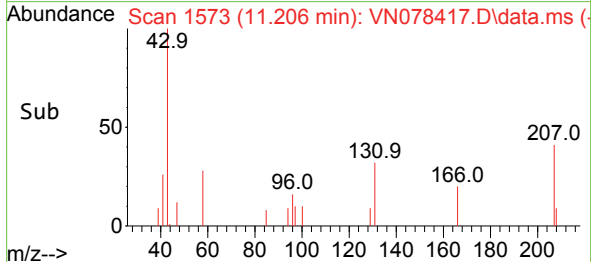
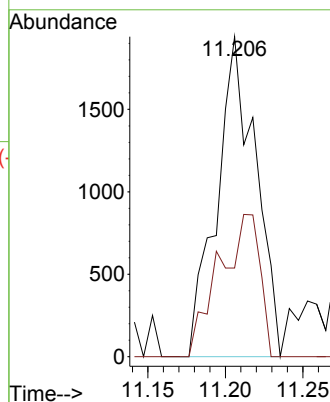
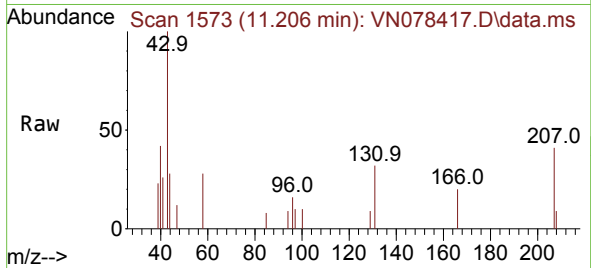




#59
2-Hexanone
Concen: 0.814 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

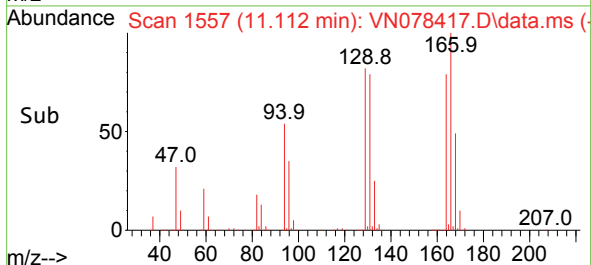
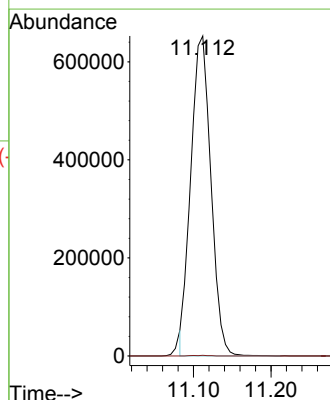
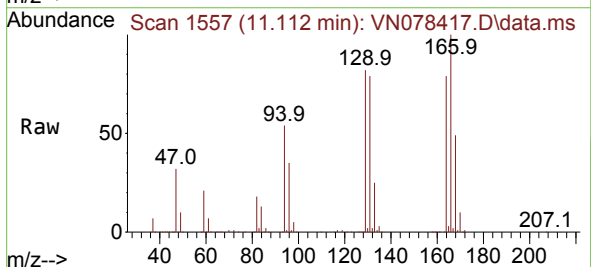
Instrument :
MSVOA_N
ClientSampleId :
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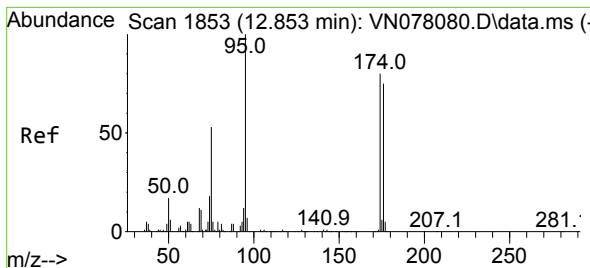
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
58 46.5 31.7 95.1



#60
Dibromochloromethane
Concen: 198.596 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.253 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 129 Resp: 1174176
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#

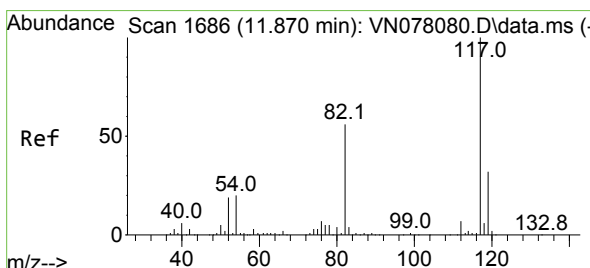
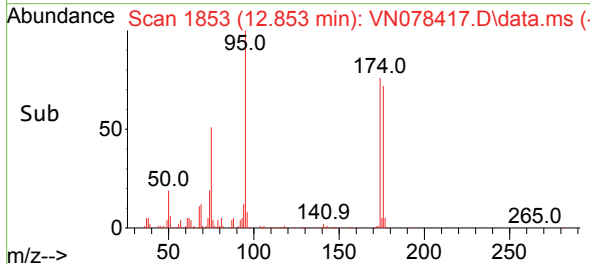
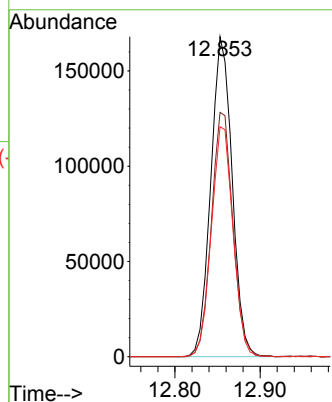
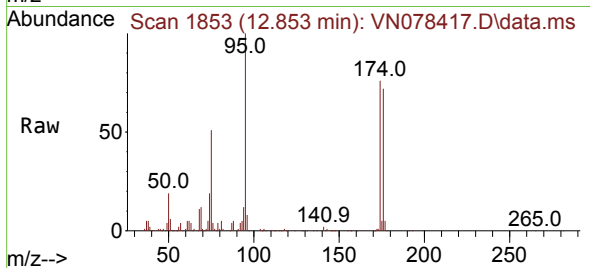




#62
4-Bromofluorobenzene
Concen: 46.193 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

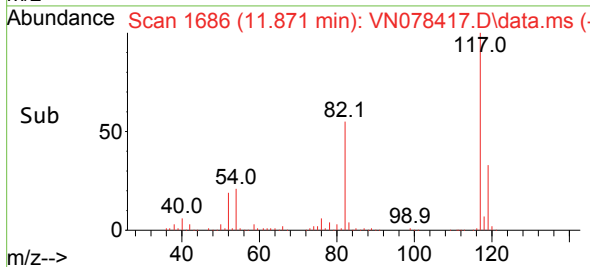
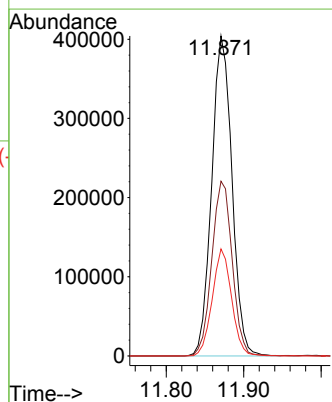
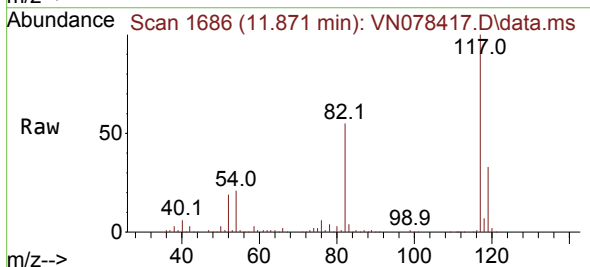
Instrument :
MSVOA_N
ClientSampleId :
TW-3

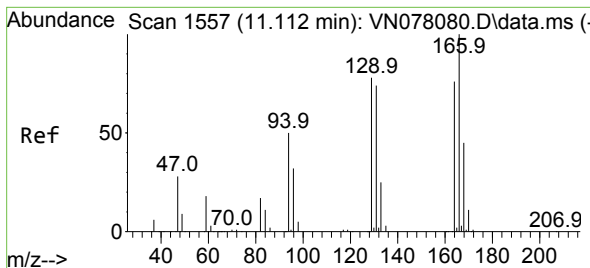
Tgt Ion: 95 Resp: 292454
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 72.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 117 Resp: 735383
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 33.5 25.6 38.4





#64

Tetrachloroethene

Concen: 236.390 ug/l

RT: 11.112 min Scan# 1159727

Delta R.T. 0.000 min

Lab File: VN078417.D

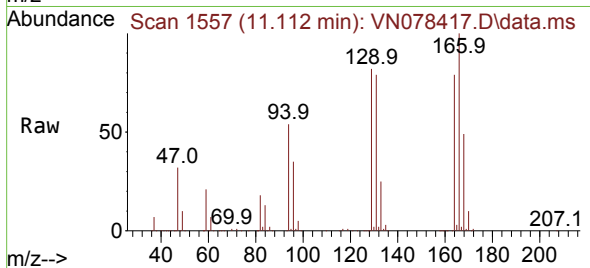
Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3



Tgt Ion:164 Resp: 1159727

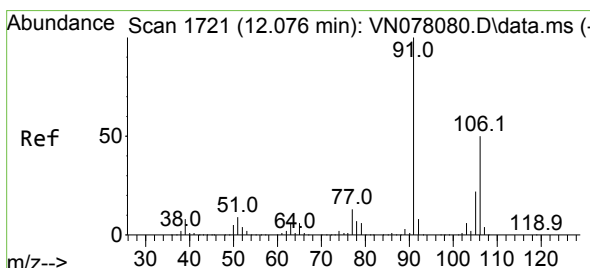
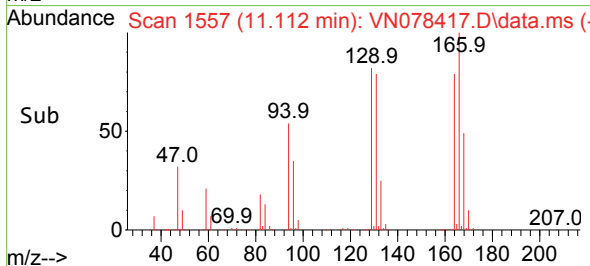
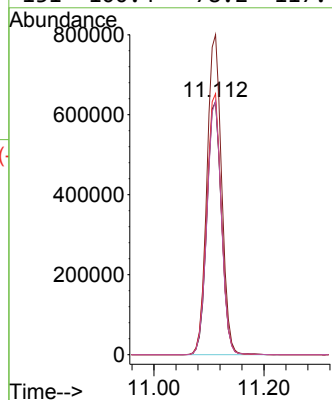
Ion Ratio Lower Upper

164 100

166 126.5 101.4 152.0

129 103.2 82.4 123.6

131 100.4 78.2 117.4



#68

m/p-Xylenes

Concen: 0.215 ug/l

RT: 12.082 min Scan# 1722

Delta R.T. 0.006 min

Lab File: VN078417.D

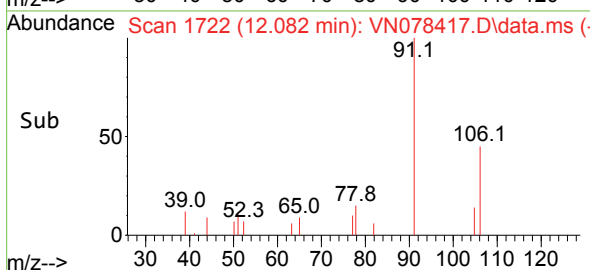
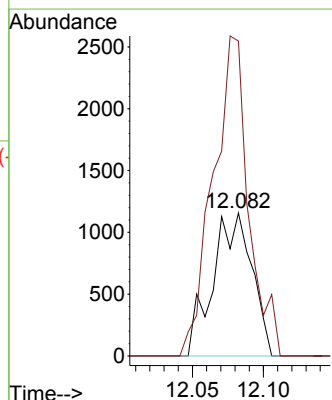
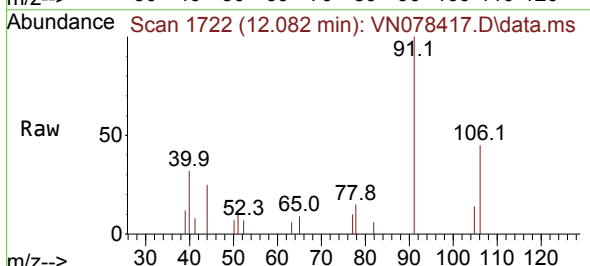
Acq: 27 Jun 2023 15:29

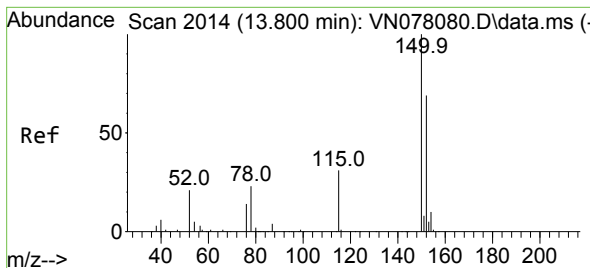
Tgt Ion:106 Resp: 2223

Ion Ratio Lower Upper

106 100

91 202.6 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3

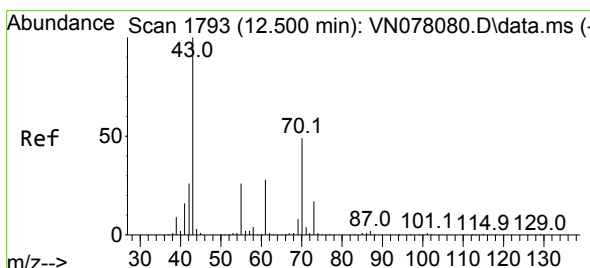
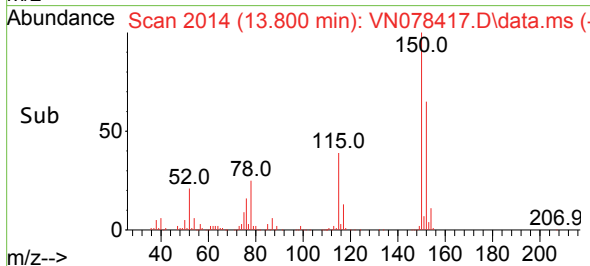
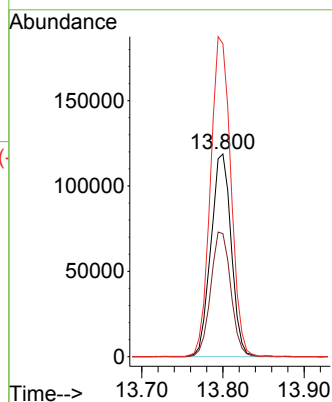
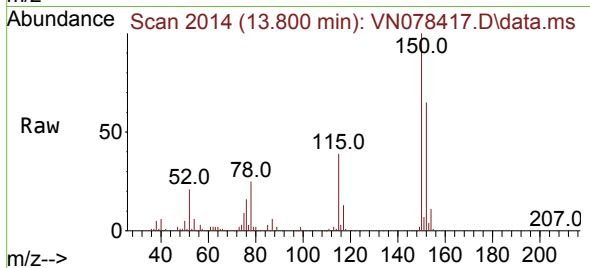
Tgt Ion:152 Resp: 206362

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 158.5 0.0 355.8



#74

N-ethyl acetate

Concen: 0.290 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Tgt Ion: 43 Resp: 1862

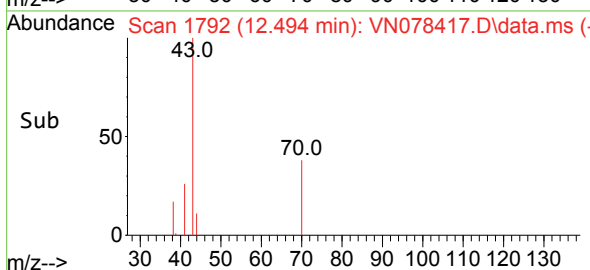
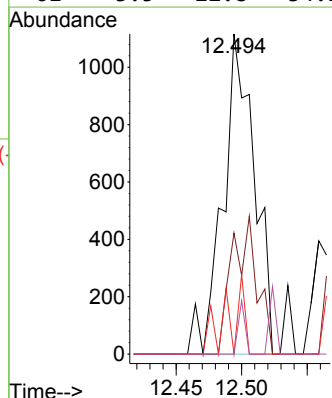
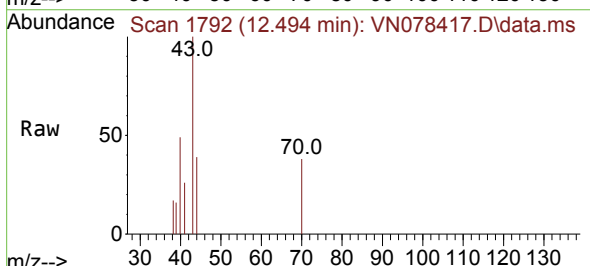
Ion Ratio Lower Upper

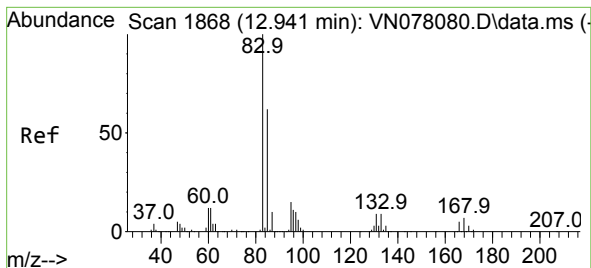
43 100

70 34.3 43.4 65.2#

55 4.4 21.4 32.0#

61 3.5 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3

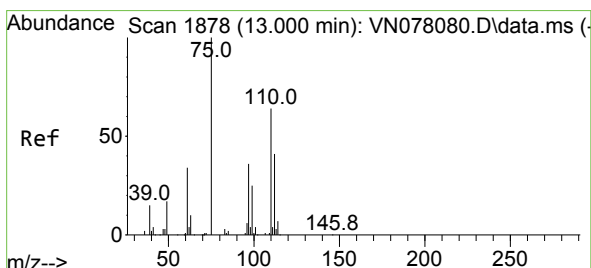
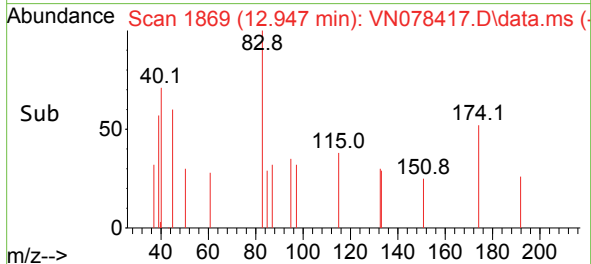
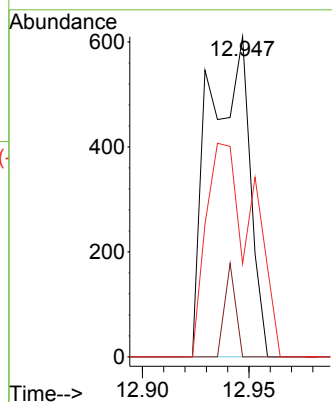
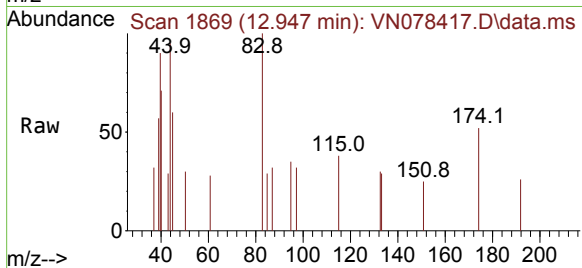
Tgt Ion: 83 Resp: 797

Ion Ratio Lower Upper

83 100

131 7.9 5.0 15.0

85 77.5 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 31.794 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078417.D

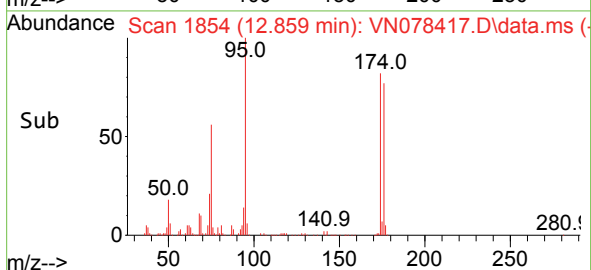
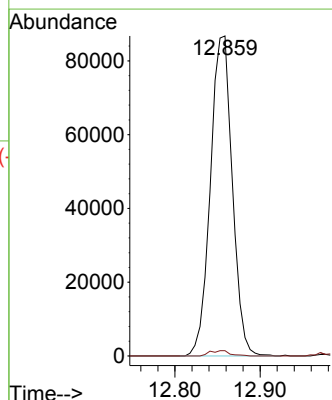
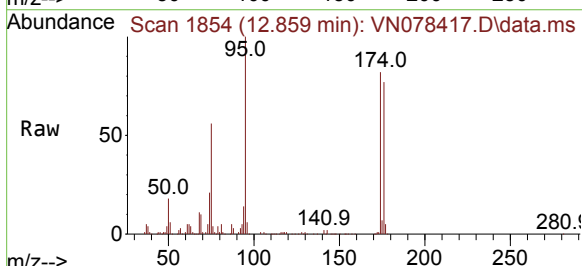
Acq: 27 Jun 2023 15:29

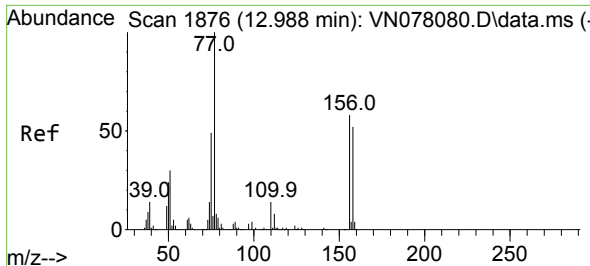
Tgt Ion: 75 Resp: 155105

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#

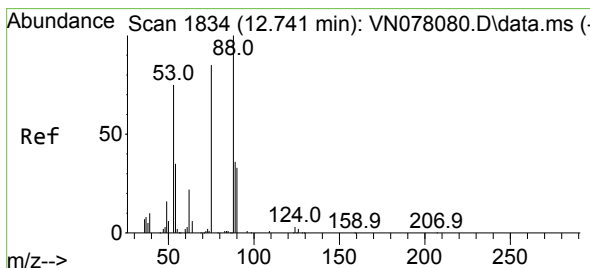
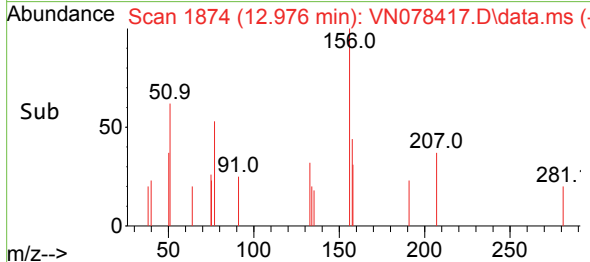
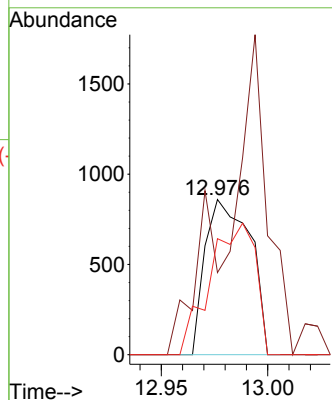
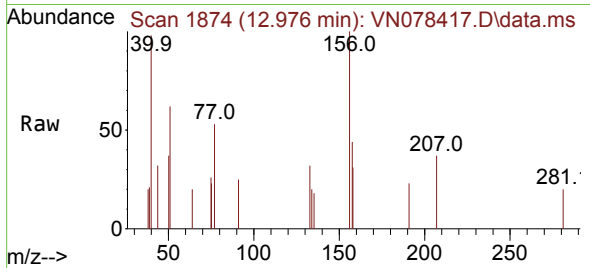




#77
Bromobenzene
Concen: 0.279 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.012 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

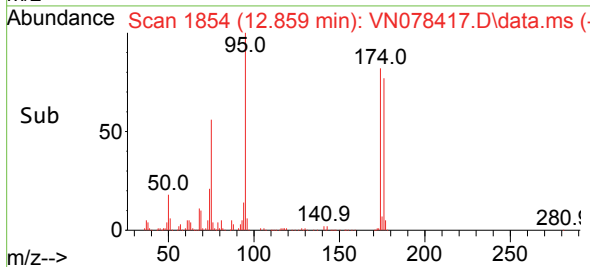
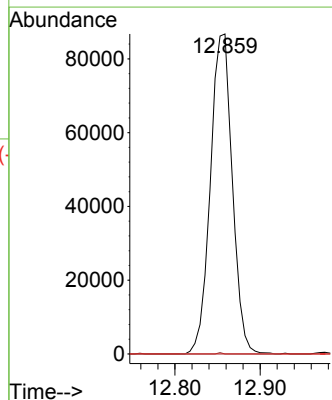
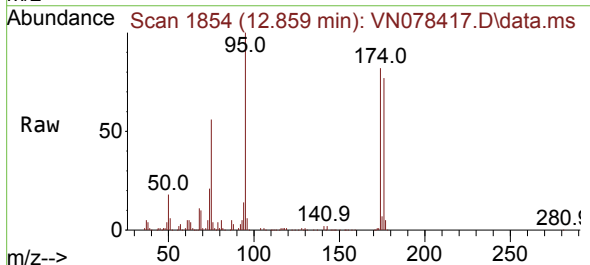
Instrument :
MSVOA_N
ClientSampleId :
TW-3

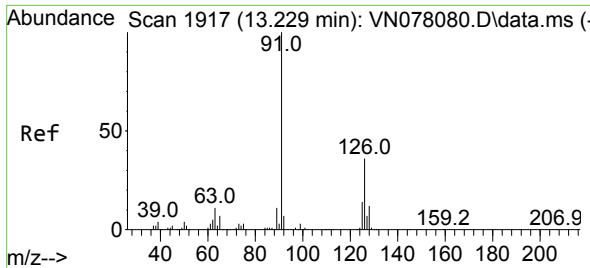
Tgt Ion:156 Resp: 1264
Ion Ratio Lower Upper
156 100
77 193.0 107.7 323.3
158 86.3 48.4 145.3



#81
trans-1,4-Dichloro-2-butene
Concen: 97.680 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 75 Resp: 155105
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

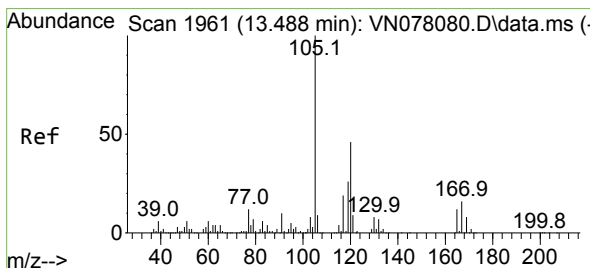
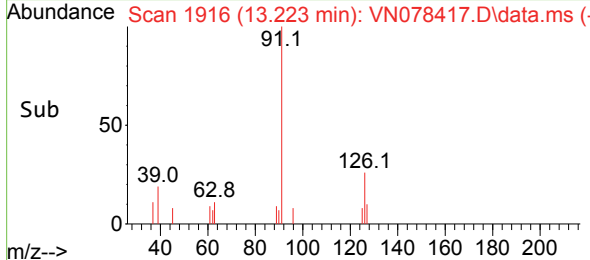
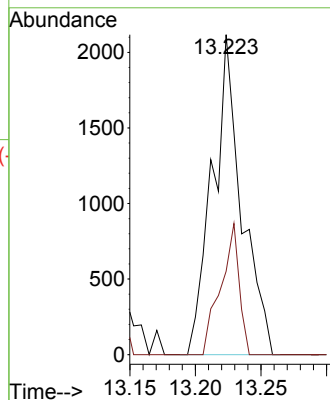
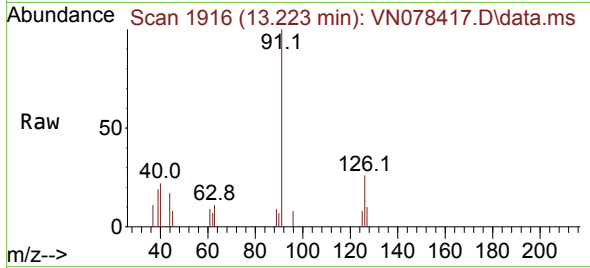




#82
4-Chlorotoluene
Concen: 0.256 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

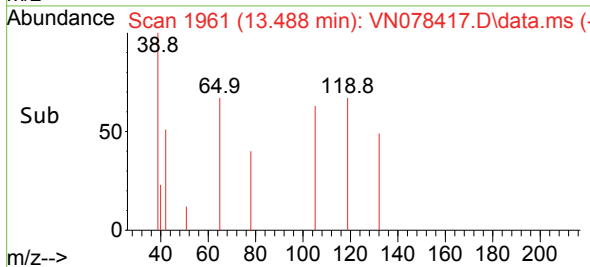
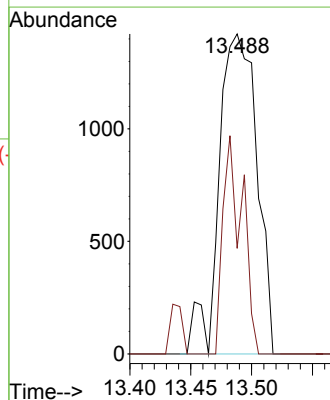
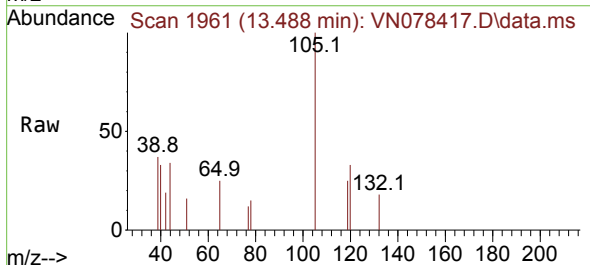
Instrument :
MSVOA_N
ClientSampleId :
TW-3

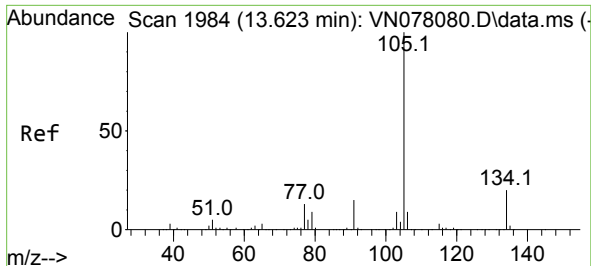
Tgt Ion: 91 Resp: 3267
Ion Ratio Lower Upper
91 100
126 26.0 16.7 50.0



#84
1,2,4-Trimethylbenzene
Concen: 0.202 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078417.D
Acq: 27 Jun 2023 15:29

Tgt Ion: 105 Resp: 3087
Ion Ratio Lower Upper
105 100
120 35.0 22.0 66.0

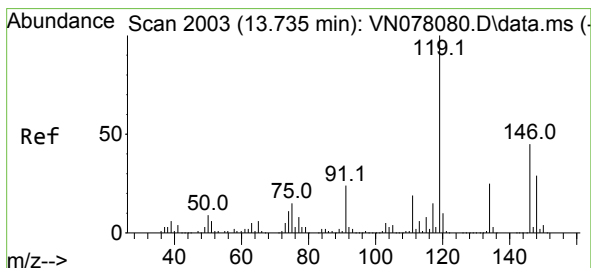
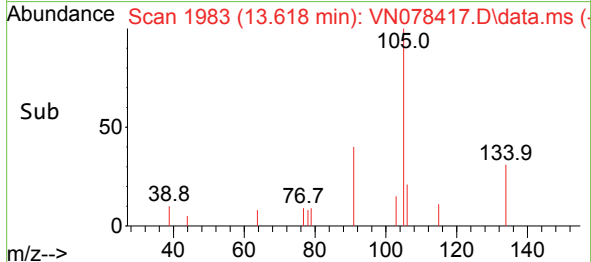
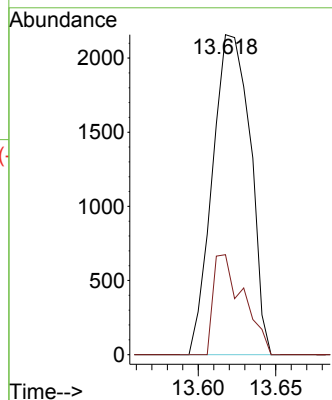
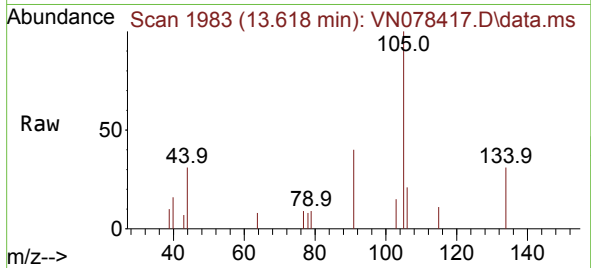




#85
 sec-Butylbenzene
 Concen: 0.203 ug/l
 RT: 13.618 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

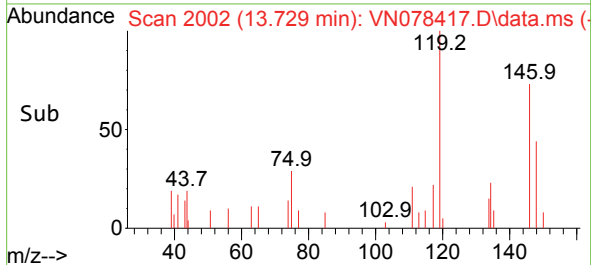
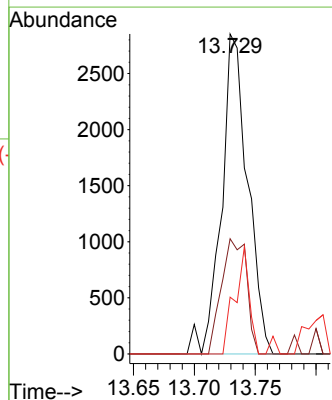
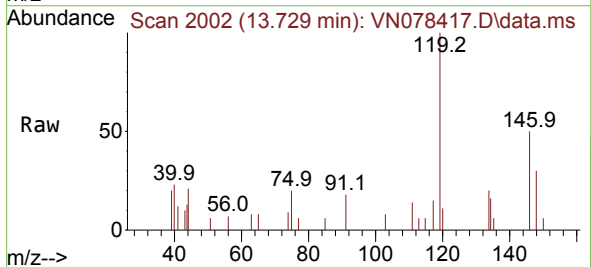
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

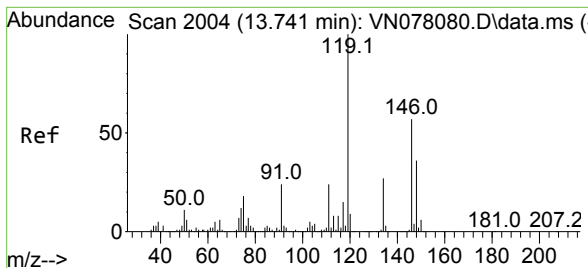
Tgt Ion:105 Resp: 3655
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.293 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

Tgt Ion:119 Resp: 4274
 Ion Ratio Lower Upper
 119 100
 134 34.5 12.6 37.8
 91 18.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.308 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3

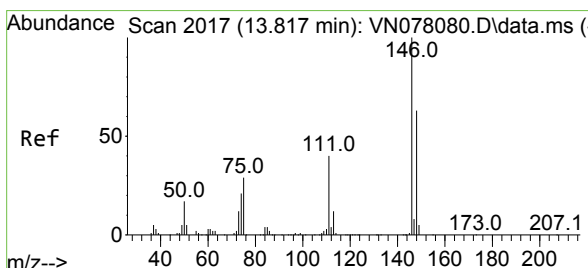
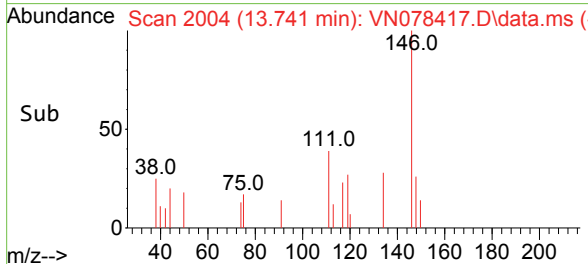
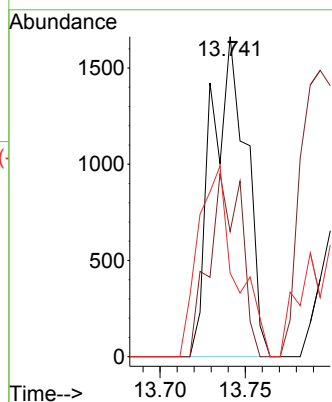
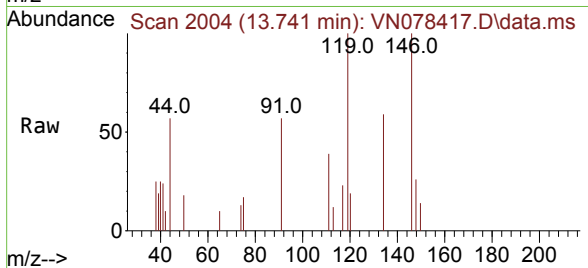
Tgt Ion:146 Resp: 2363

Ion Ratio Lower Upper

146 100

111 53.0 22.1 66.3

148 64.0 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.320 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.076 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

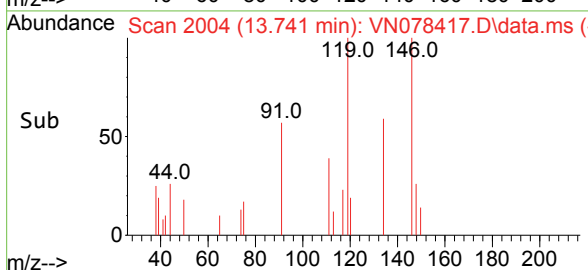
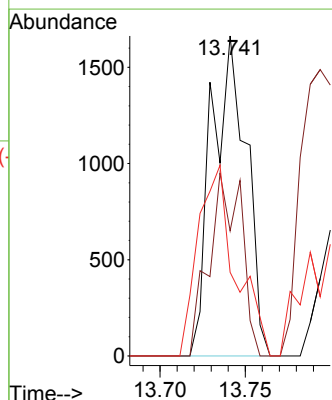
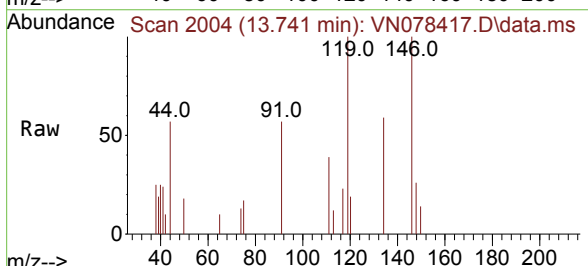
Tgt Ion:146 Resp: 2363

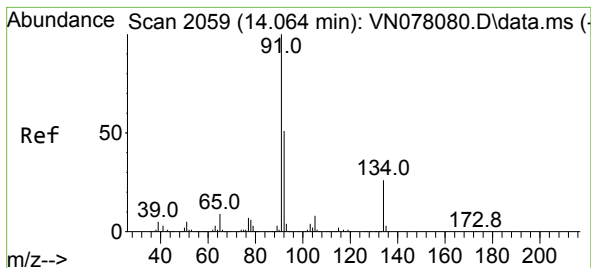
Ion Ratio Lower Upper

146 100

111 53.0 20.6 61.8

148 64.0 31.6 94.8





#89

n-Butylbenzene

Concen: 0.426 ug/l

RT: 14.059 min Scan# 2059

Delta R.T. -0.006 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TW-3

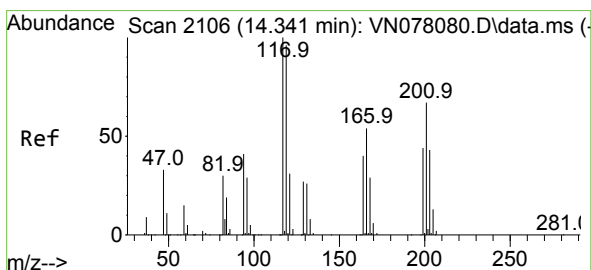
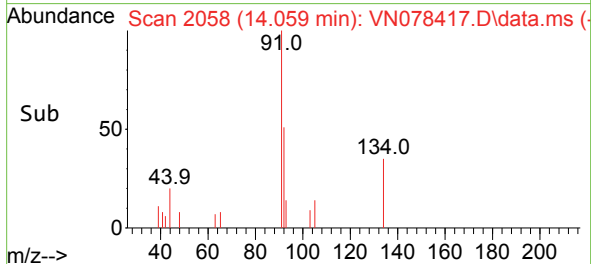
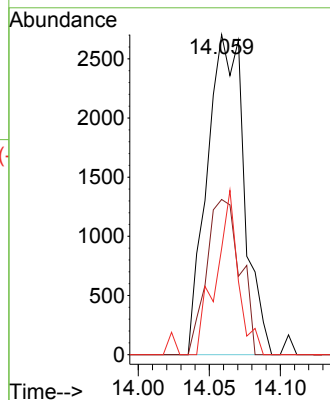
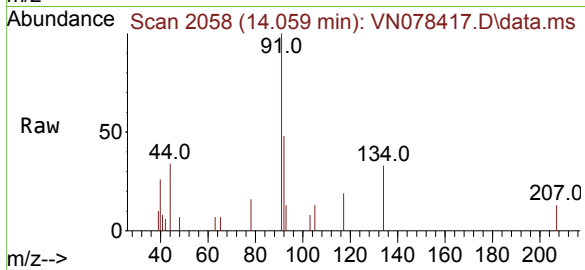
Tgt Ion: 91 Resp: 4897

Ion Ratio Lower Upper

91 100

92 44.0 26.4 79.0

134 31.1 12.6 37.6



#90

Hexachloroethane

Concen: 0.214 ug/l

RT: 14.347 min Scan# 2107

Delta R.T. 0.006 min

Lab File: VN078417.D

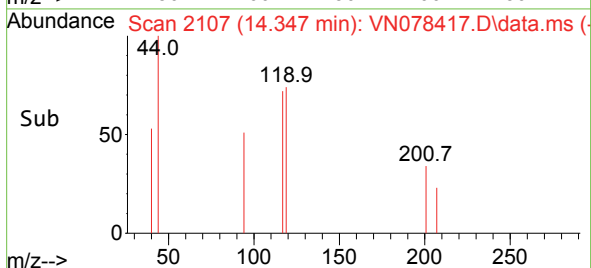
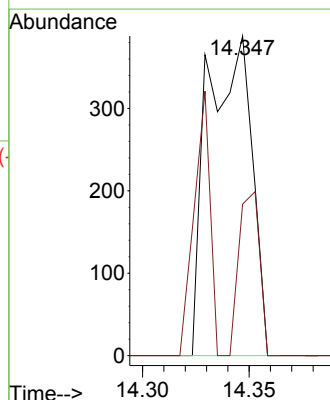
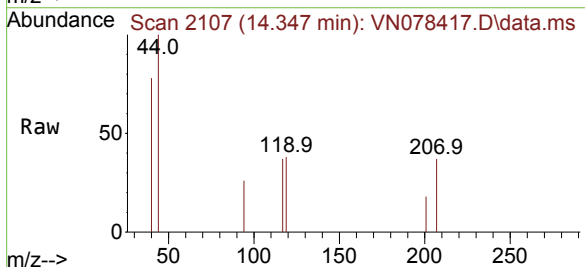
Acq: 27 Jun 2023 15:29

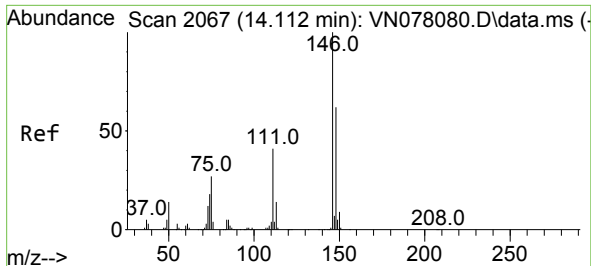
Tgt Ion: 117 Resp: 555

Ion Ratio Lower Upper

117 100

201 24.3 29.3 88.0#

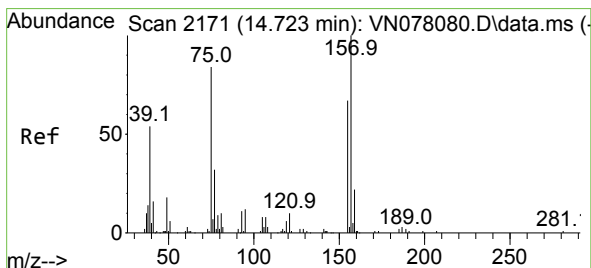
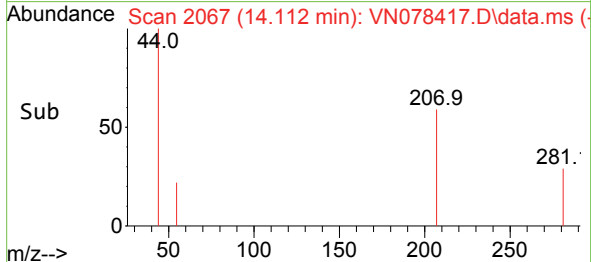
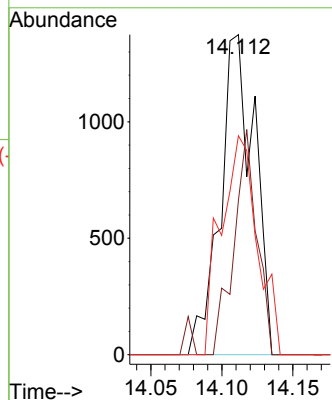
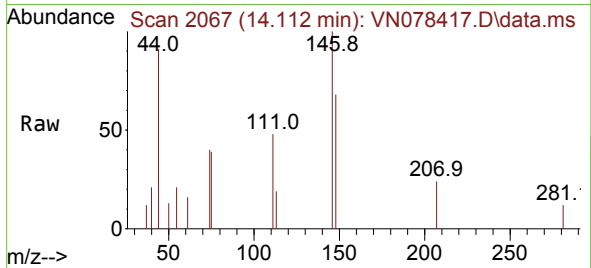




#91
 1,2-Dichlorobenzene
 Concen: 0.306 ug/l
 RT: 14.112 min Scan# 2067
 Delta R.T. 0.000 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

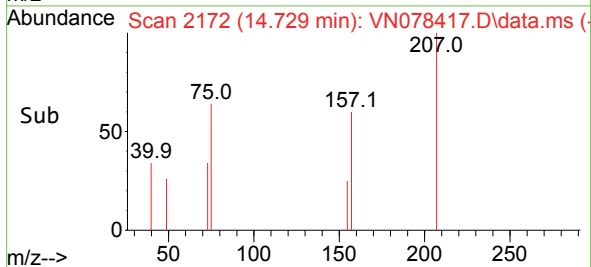
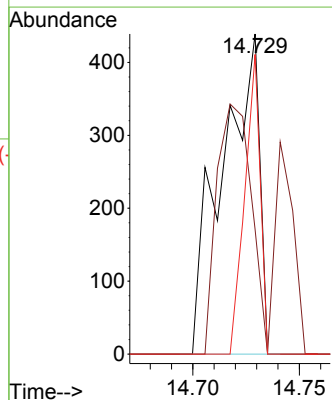
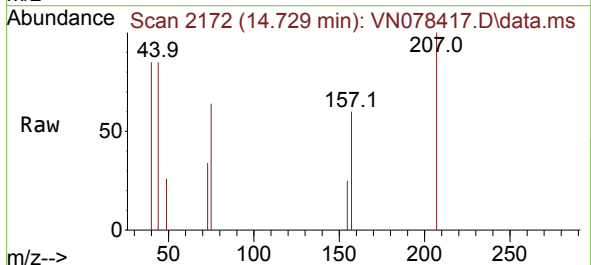
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

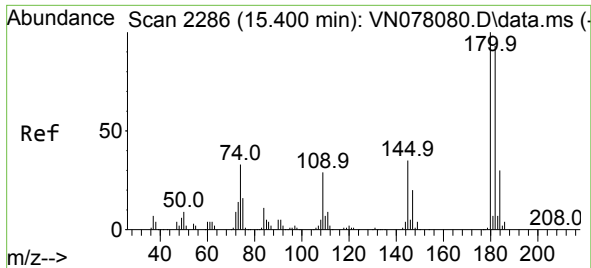
Tgt Ion:146 Resp: 2291
 Ion Ratio Lower Upper
 146 100
 111 47.4 22.0 66.0
 148 73.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.552 ug/l
 RT: 14.729 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

Tgt Ion: 75 Resp: 534
 Ion Ratio Lower Upper
 75 100
 155 32.2 39.1 117.2#
 157 39.1 50.3 150.9#

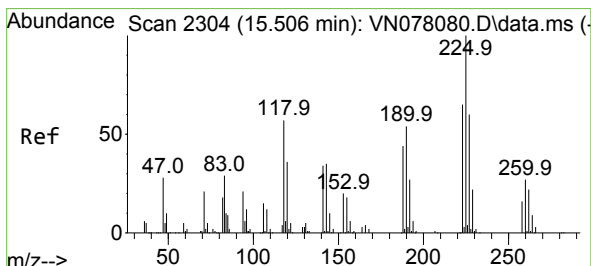
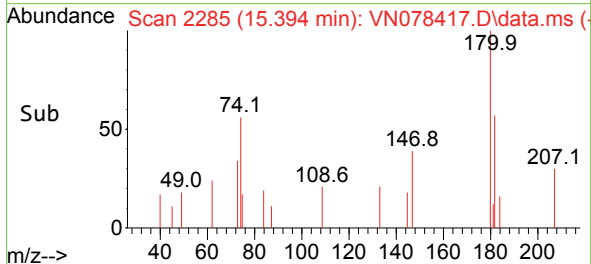
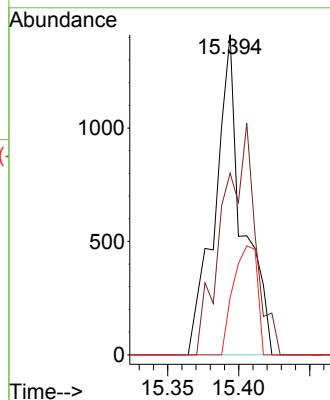
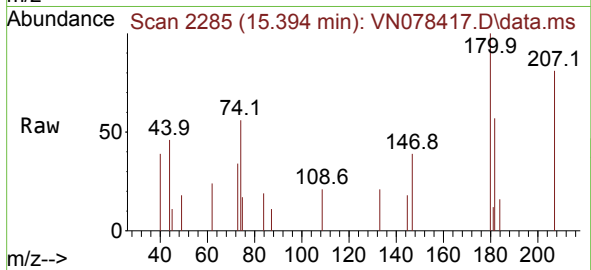




#93
 1,2,4-Trichlorobenzene
 Concen: 0.716 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

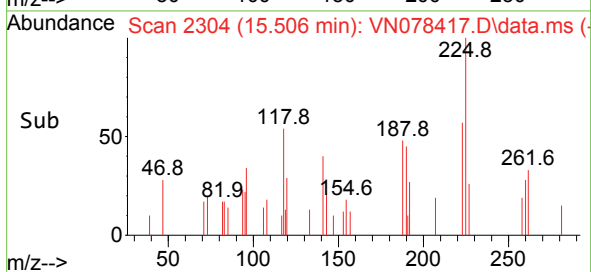
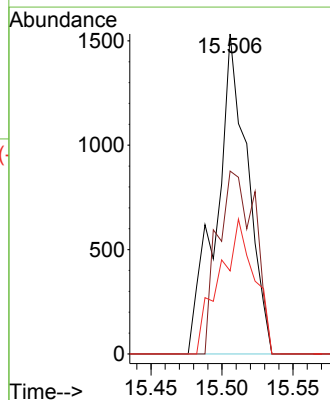
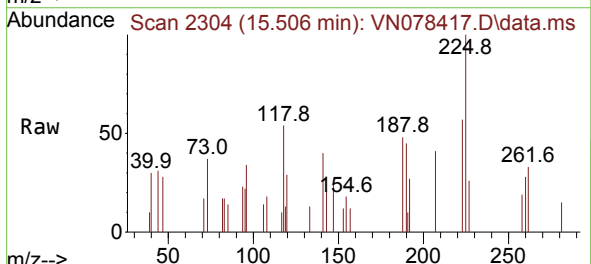
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

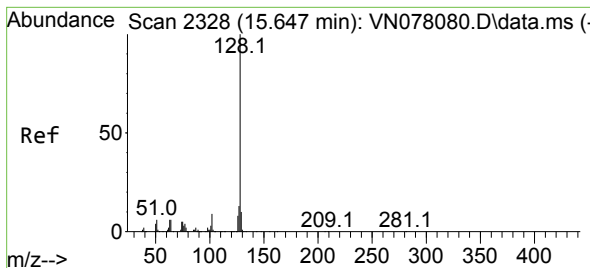
Tgt Ion:180	Resp:	1911
Ion Ratio	Lower	Upper
180	100	
182	84.5	46.1 138.2
145	29.6	16.6 49.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.506 min Scan# 2304
 Delta R.T. -0.000 min
 Lab File: VN078417.D
 Acq: 27 Jun 2023 15:29

Tgt Ion:225	Resp:	2341
Ion Ratio	Lower	Upper
225	100	
223	68.1	31.3 93.8
227	47.5	31.9 95.9





#95

Naphthalene

Concen: 0.831 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

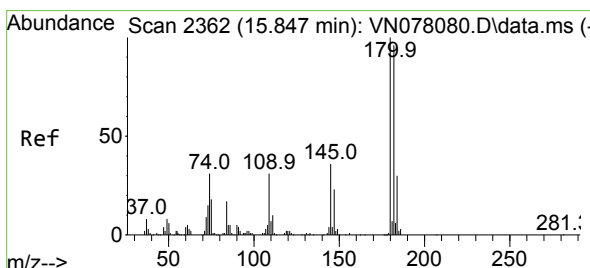
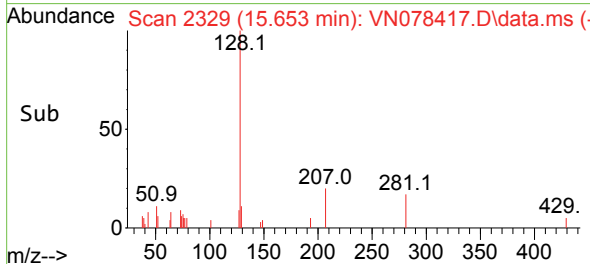
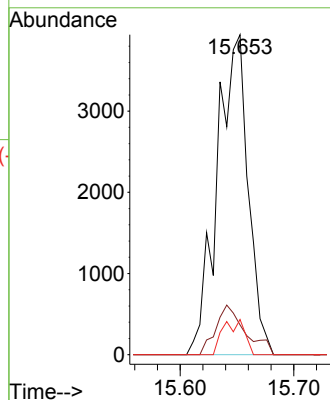
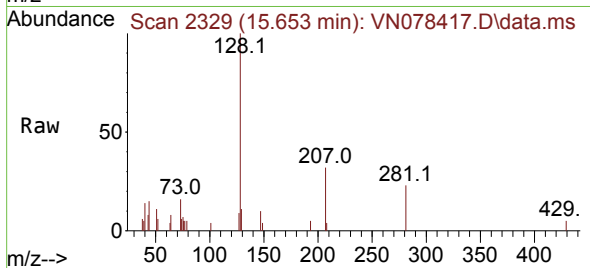
Instrument :

MSVOA_N

ClientSampleId :

TW-3

Tgt Ion:128	Resp:	7457
Ion Ratio	Lower	Upper
128	100	
127	14.7	10.0 15.0
129	7.6	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.018 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.012 min

Lab File: VN078417.D

Acq: 27 Jun 2023 15:29

Tgt Ion:180	Resp:	3038
Ion Ratio	Lower	Upper
180	100	
182	101.9	46.2 138.6
145	33.7	17.5 52.6

