

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080817.D
 Acq On : 30 Jan 2024 16:24
 Operator : JC\MD
 Sample : P1265-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jan 31 02:13:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

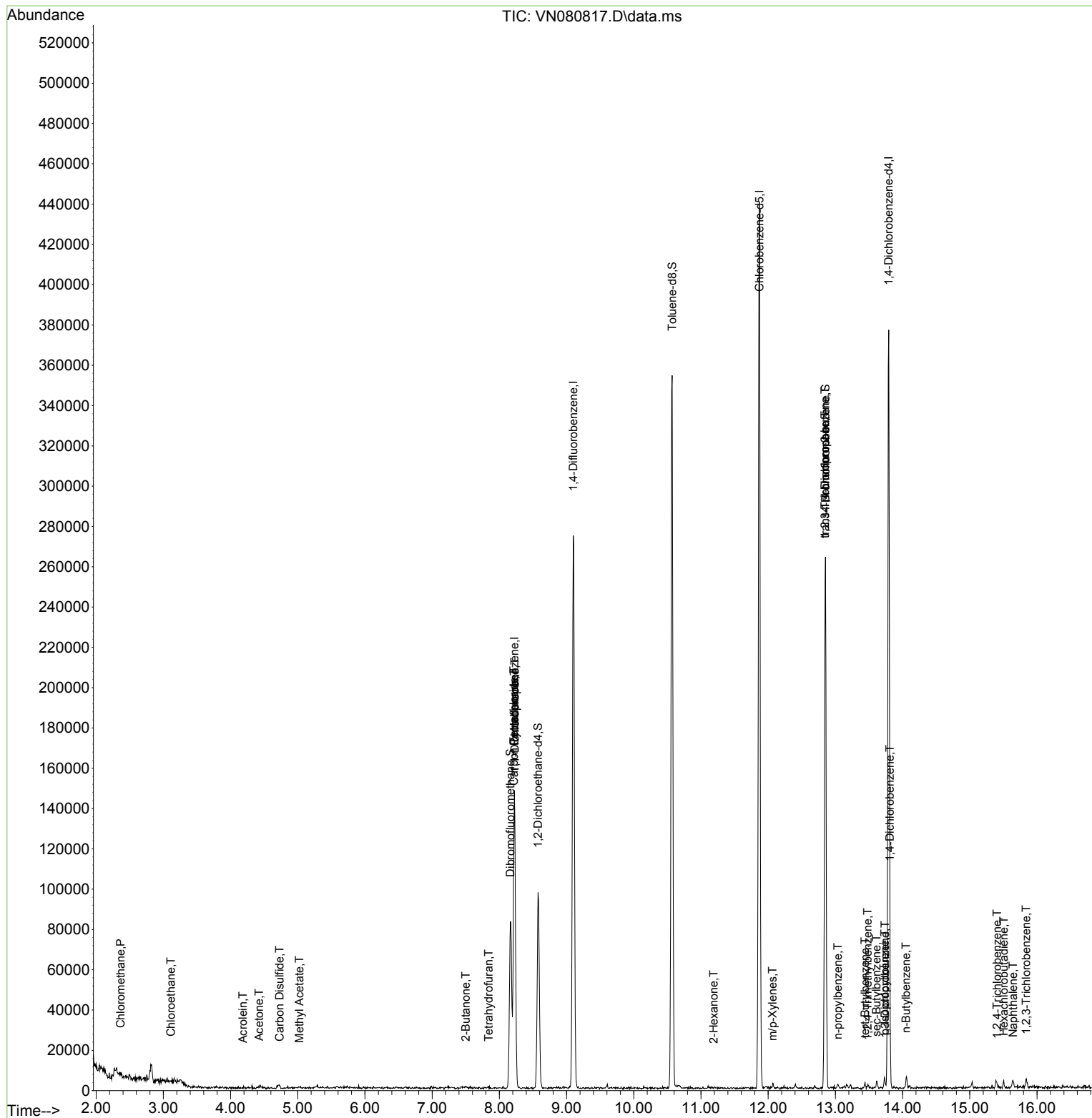
Internal Standards						
1) Pentafluorobenzene	8.224	168	90238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	216732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	225349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	74159	47.504	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	8.165	113	57612	43.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.900%		
50) Toluene-d8	10.571	98	232038	44.711	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.420%		
62) 4-Bromofluorobenzene	12.853	95	90854	50.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.480%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1886	0.936	ug/l #	87
6) Chloroethane	3.112	64	506	0.620	ug/l #	42
13) Acrolein	4.183	56	76	0.237	ug/l #	70
16) Acetone	4.424	43	1326	2.342	ug/l #	51
17) Carbon Disulfide	4.730	76	2356	0.597	ug/l #	78
18) Methyl Acetate	5.024	43	711	0.360	ug/l #	54
25) 2-Butanone	7.500	43	485	0.451	ug/l #	51
29) Tetrahydrofuran	7.841	42	267	0.367	ug/l #	38
31) Cyclohexane	8.224	56	3758	1.404	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	10966	4.449	ug/l #	46
38) Carbon Tetrachloride	8.218	117	11760	5.922	ug/l #	19
59) 2-Hexanone	11.188	43	493	0.246	ug/l #	26
68) m/p-Xylenes	12.065	106	665	0.205	ug/l #	57
76) 1,2,3-Trichloropropane	12.847	75	54862	21.712	ug/l #	1
78) n-propylbenzene	13.035	91	2013	0.220	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.847	75	54862	55.933	ug/l #	14
83) tert-Butylbenzene	13.441	119	1499	0.307	ug/l #	75
84) 1,2,4-Trimethylbenzene	13.482	105	1278	0.206	ug/l	94
85) sec-Butylbenzene	13.612	105	3060	0.425	ug/l	98
86) p-Isopropyltoluene	13.735	119	2189	0.392	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	948	0.323	ug/l #	59
88) 1,4-Dichlorobenzene	13.812	146	1164	0.396	ug/l #	24
89) n-Butylbenzene	14.053	91	3377	0.617	ug/l	90
93) 1,2,4-Trichlorobenzene	15.406	180	1245	0.901	ug/l	82
94) Hexachlorobutadiene	15.506	225	507	0.840	ug/l #	53
95) Naphthalene	15.647	128	3387	0.641	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1514	1.115	ug/l	62

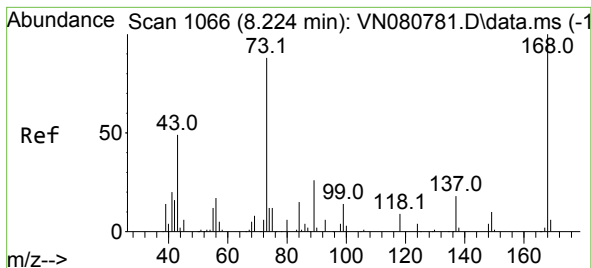
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

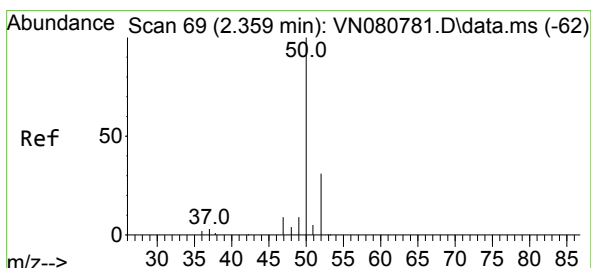
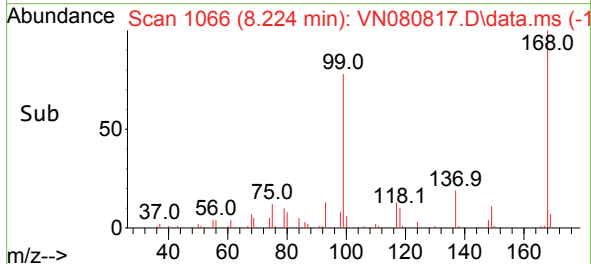
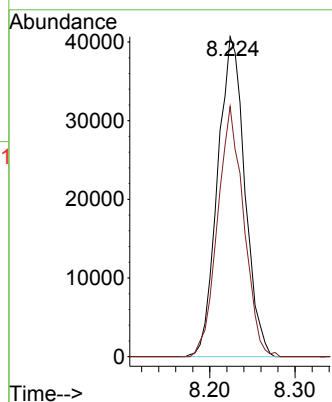
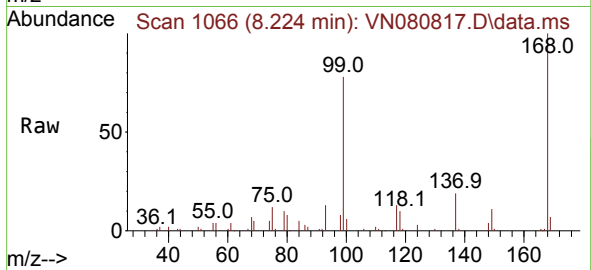
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 90238

Ion Ratio Lower Upper

168 100

99 78.1 59.9 89.9



#3

Chloromethane

Concen: 0.936 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080817.D

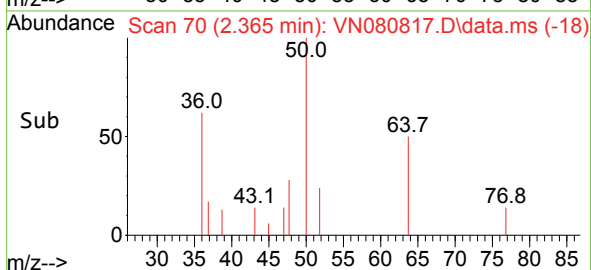
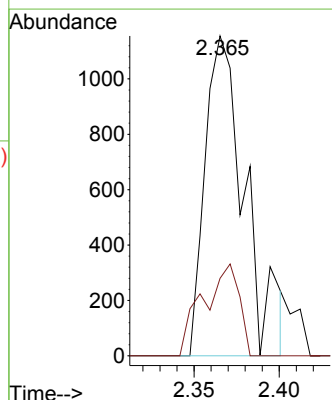
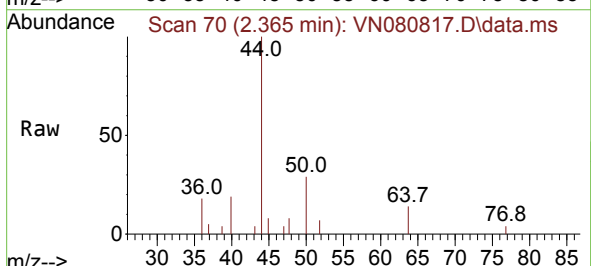
Acq: 30 Jan 2024 16:24

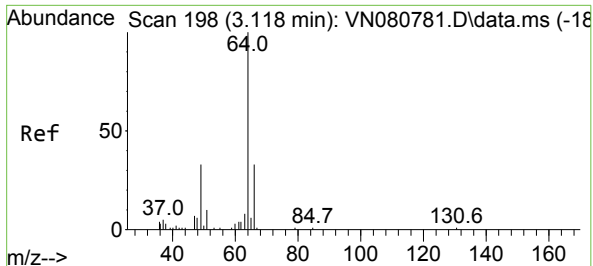
Tgt Ion: 50 Resp: 1886

Ion Ratio Lower Upper

50 100

52 24.2 25.0 37.4#

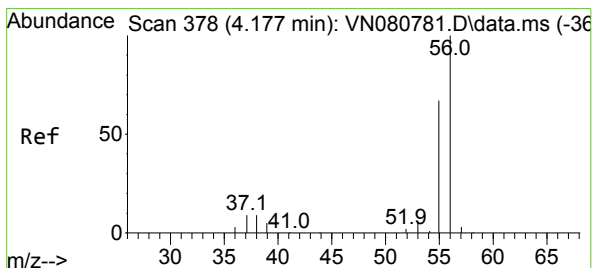
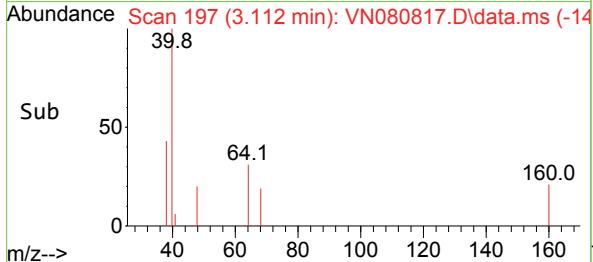
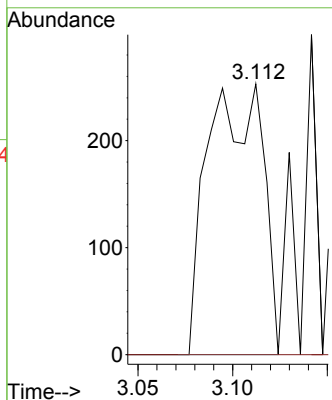
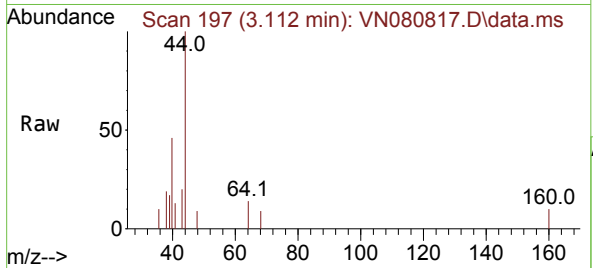




#6
Chloroethane
Concen: 0.620 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

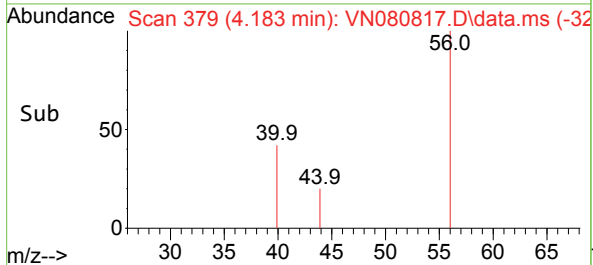
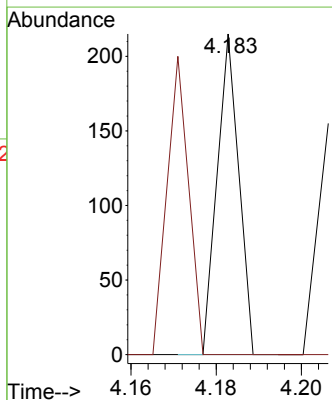
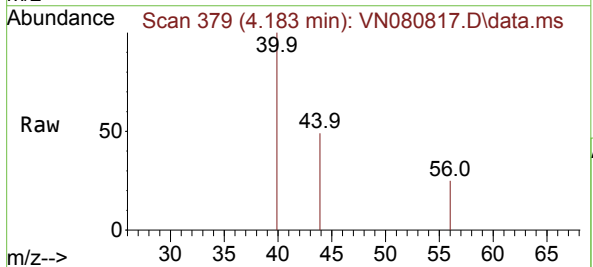
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

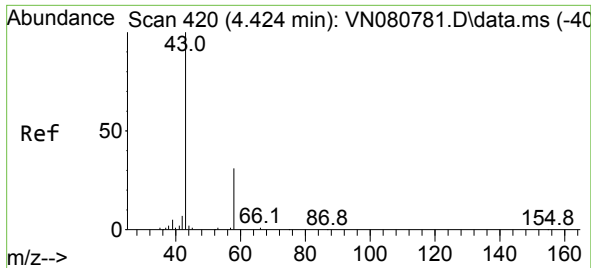
Tgt Ion: 64 Resp: 506
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.237 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 93.4 55.3 82.9#

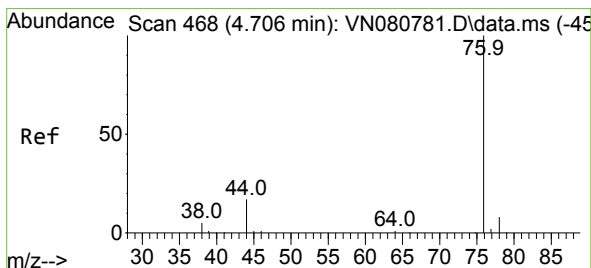
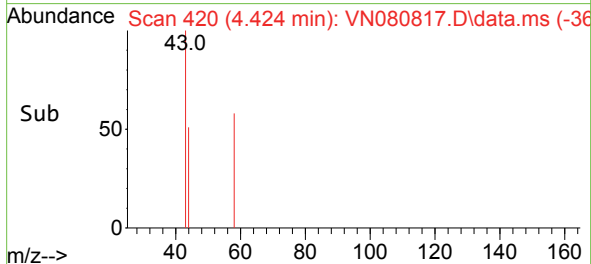
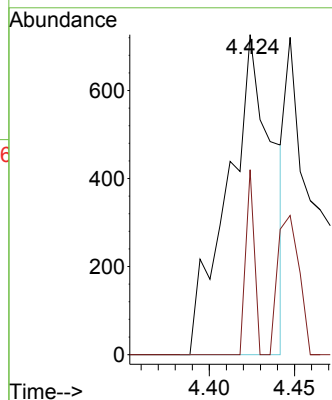
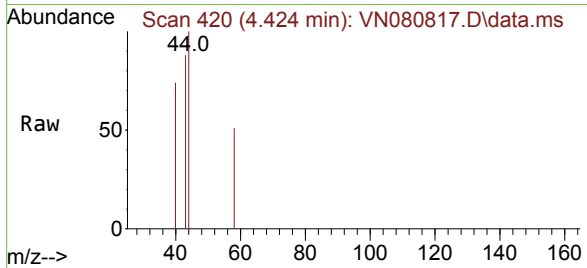




#16
Acetone
Concen: 2.342 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

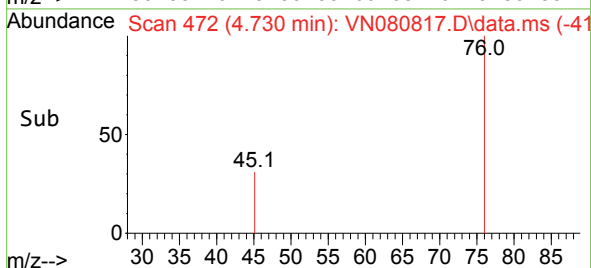
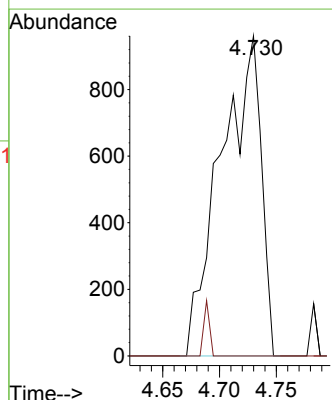
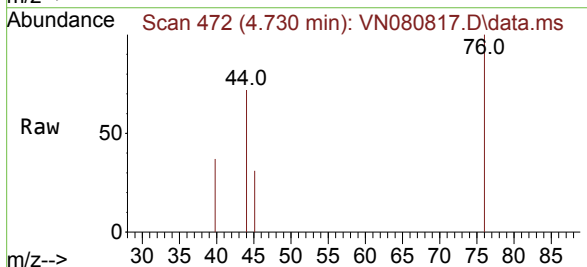
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

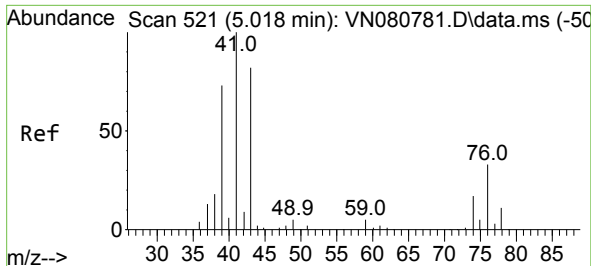
Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
58 57.8 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.597 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.024 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 76 Resp: 2356
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

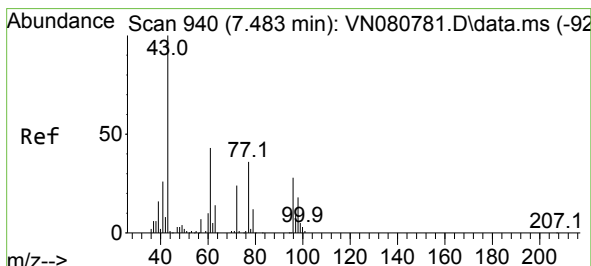
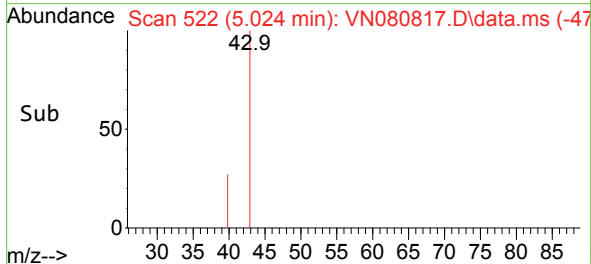
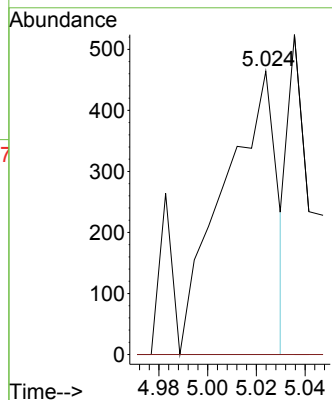
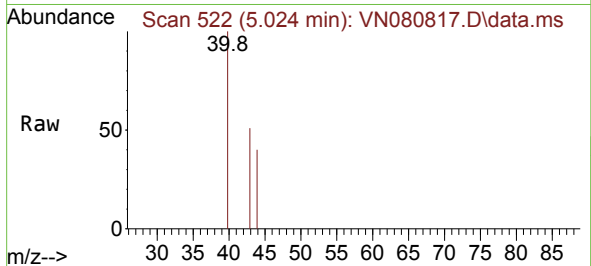




#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

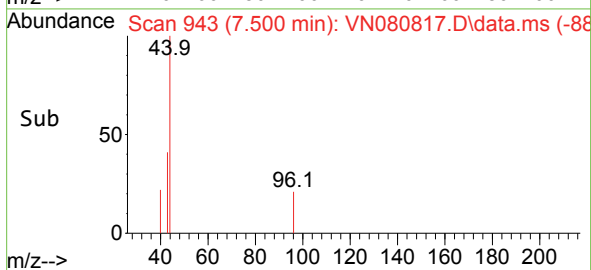
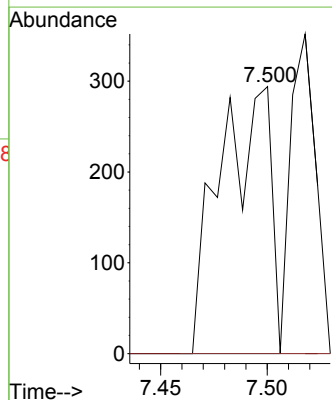
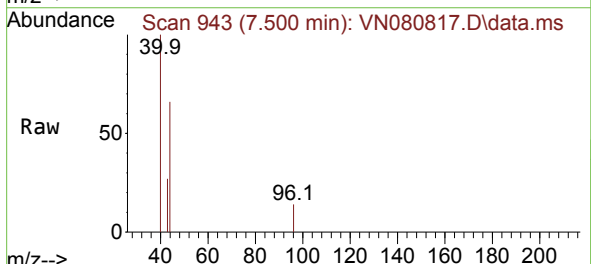
Instrument :
MSVOA_N
ClientSampleId :
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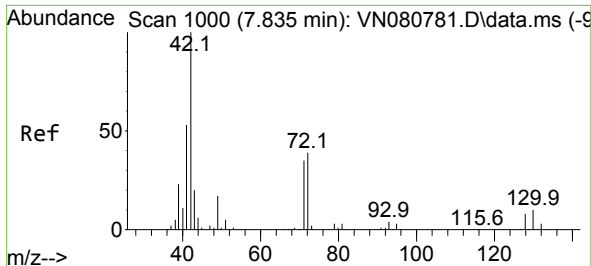
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#25
2-Butanone
Concen: 0.451 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

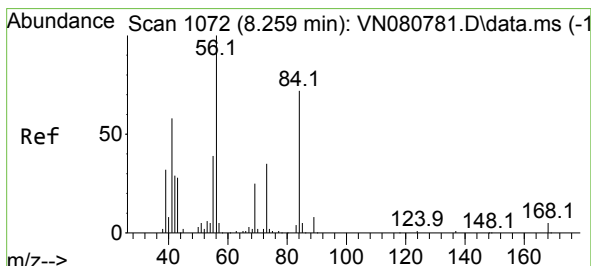
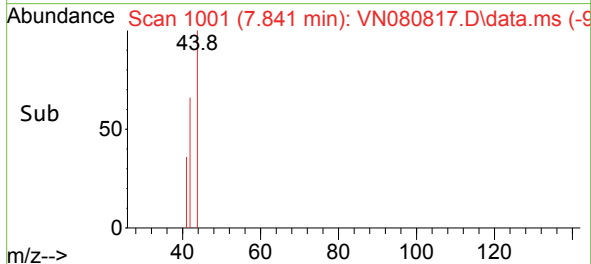
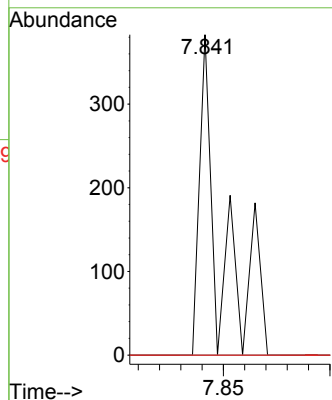
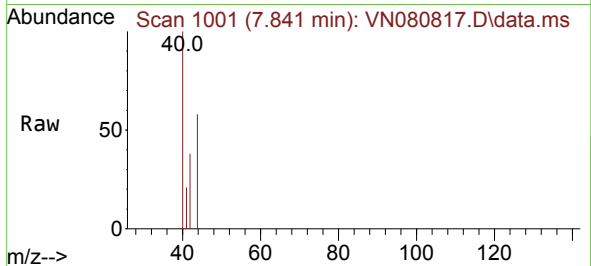




#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

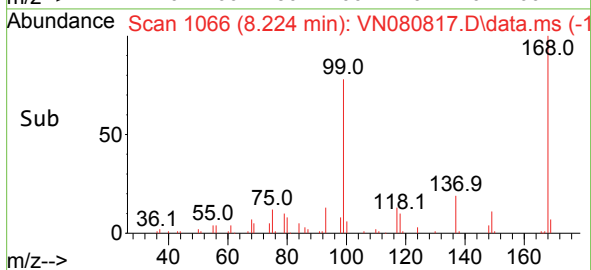
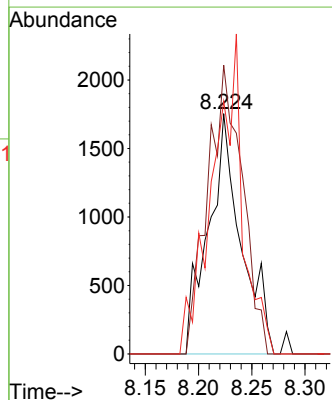
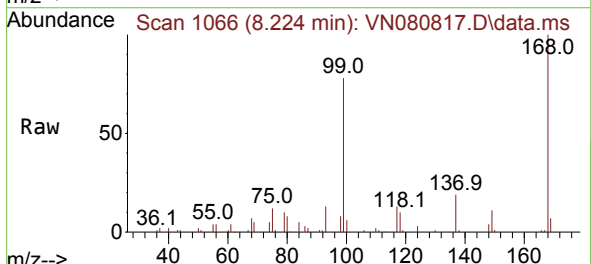
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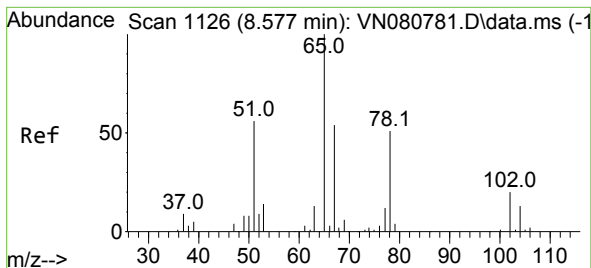
Tgt Ion: 42 Resp: 267
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 56 Resp: 3758
Ion Ratio Lower Upper
56 100
69 120.2 20.1 30.1#
84 105.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.504 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

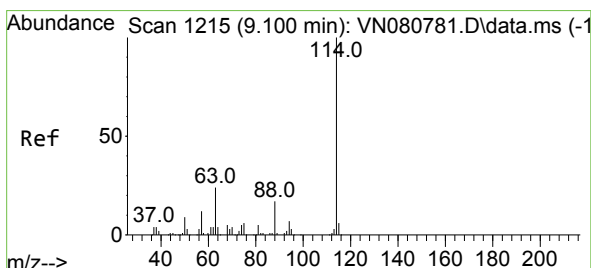
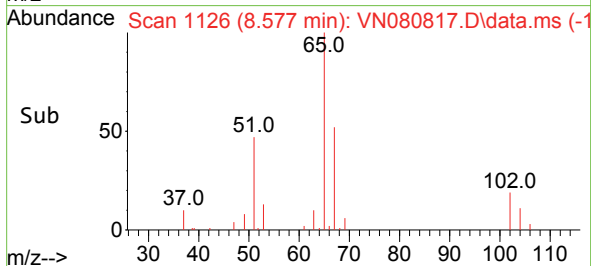
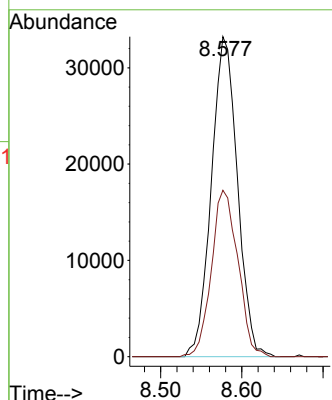
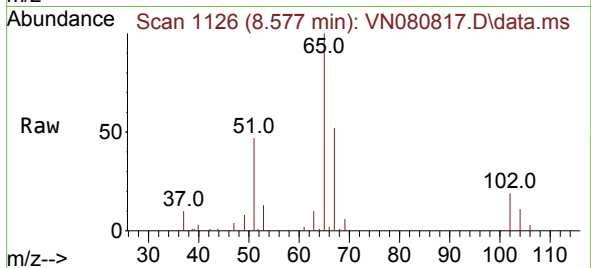
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 74159

Ion Ratio Lower Upper

65 100

67 52.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

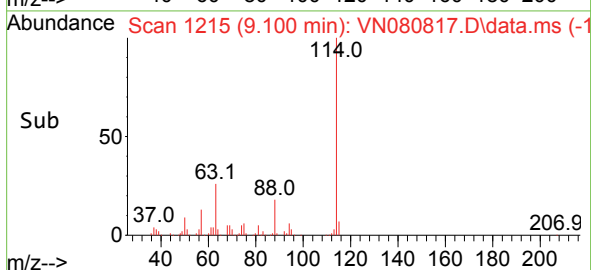
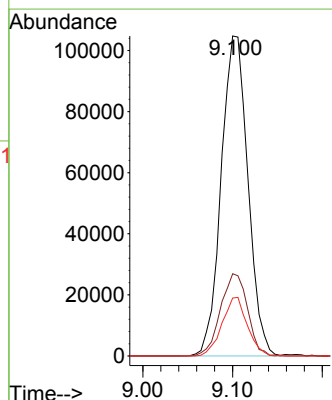
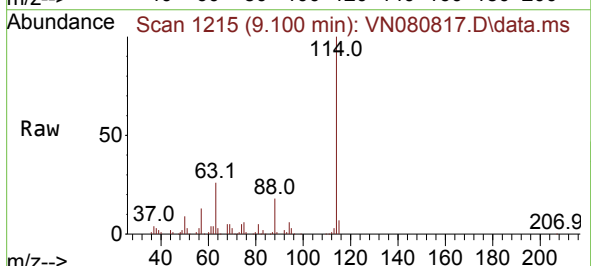
Tgt Ion: 114 Resp: 216732

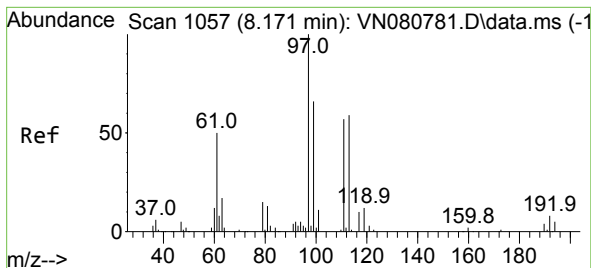
Ion Ratio Lower Upper

114 100

63 25.7 0.0 48.0

88 18.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 43.449 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

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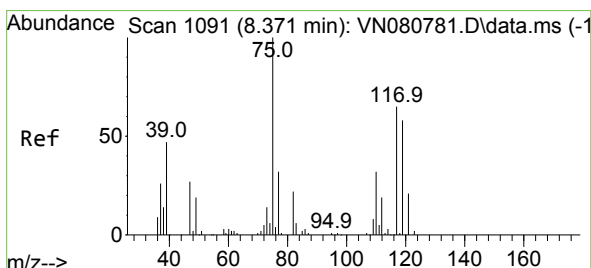
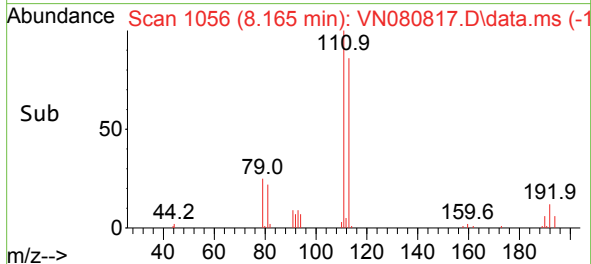
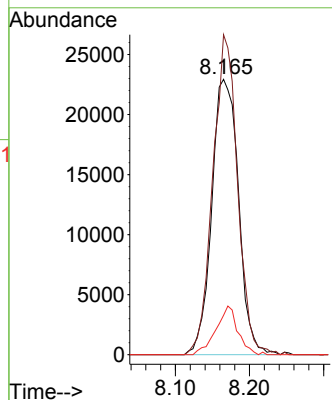
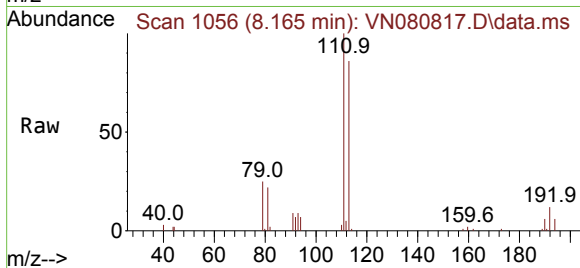
Tgt Ion:113 Resp: 57612

Ion Ratio Lower Upper

113 100

111 107.3 82.2 123.4

192 14.5 12.5 18.7



#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

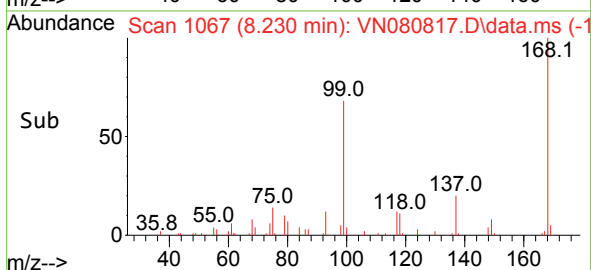
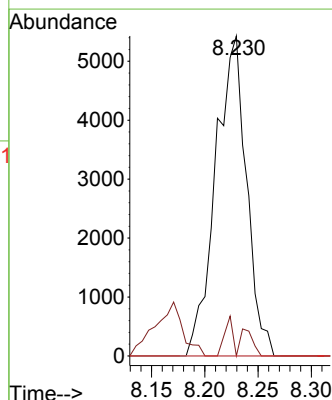
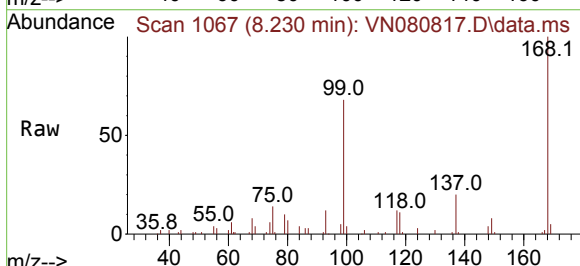
Tgt Ion: 75 Resp: 10966

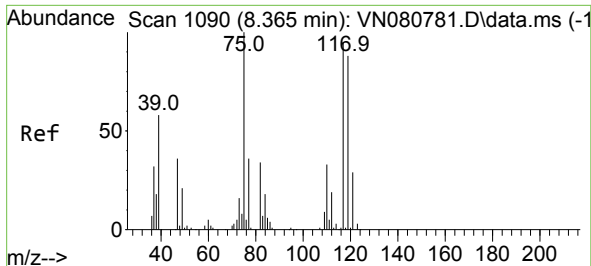
Ion Ratio Lower Upper

75 100

110 3.4 16.0 48.0#

77 0.0 25.8 38.6#

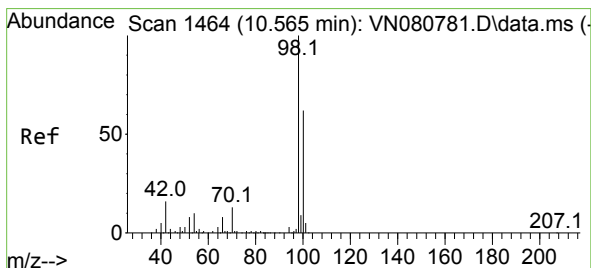
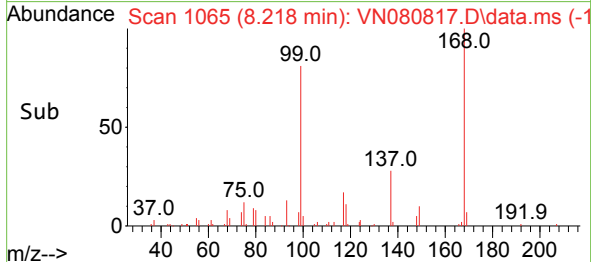
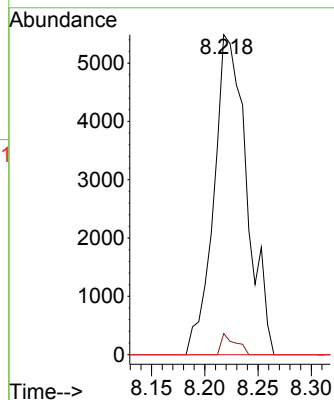
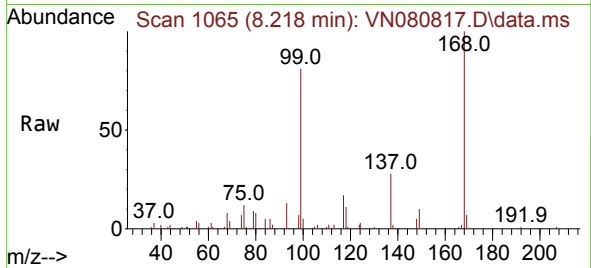




#38
Carbon Tetrachloride
Concen: 5.922 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

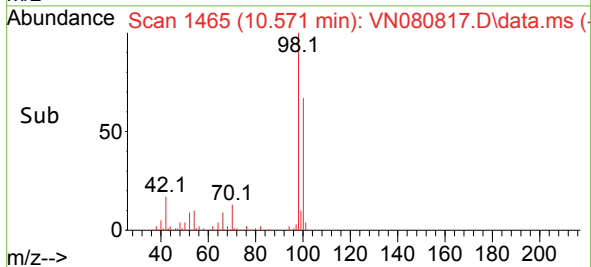
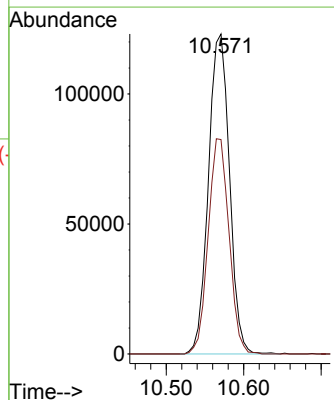
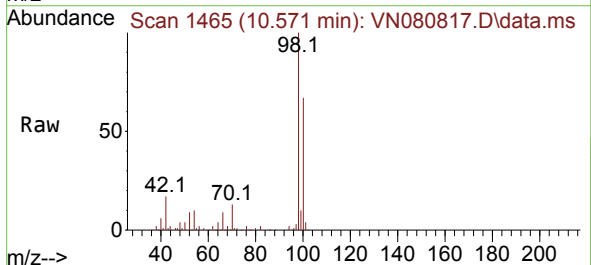
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

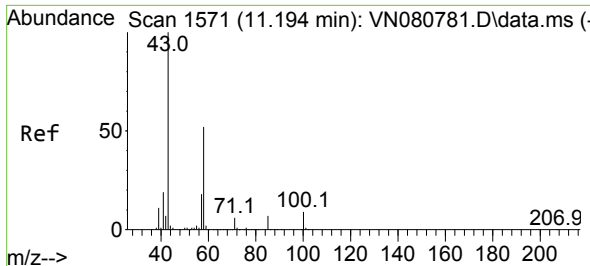
Tgt Ion:117 Resp: 11760
Ion Ratio Lower Upper
117 100
119 6.6 73.4 110.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.711 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 98 Resp: 232038
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0

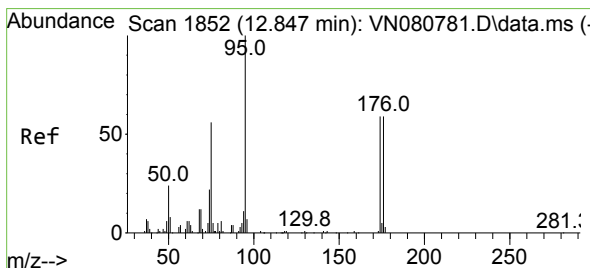
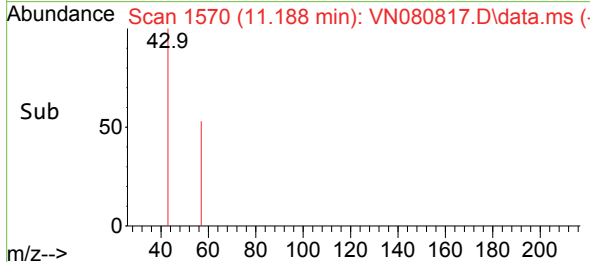
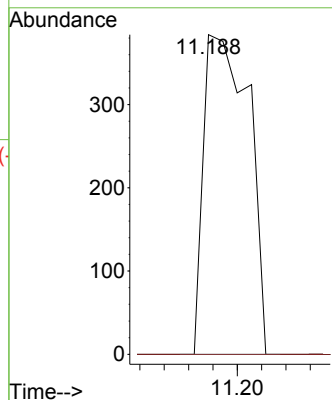
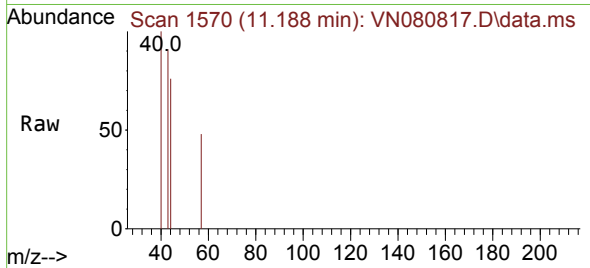




#59
2-Hexanone
Concen: 0.246 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

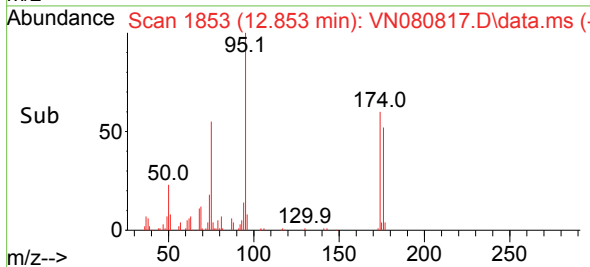
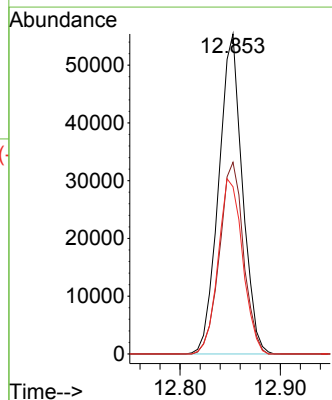
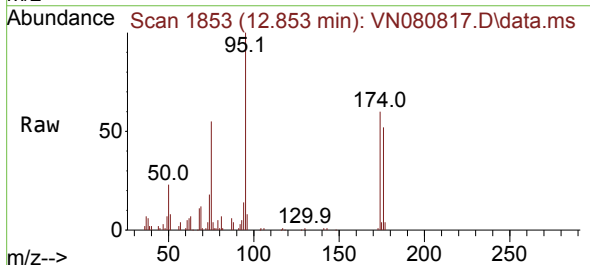
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

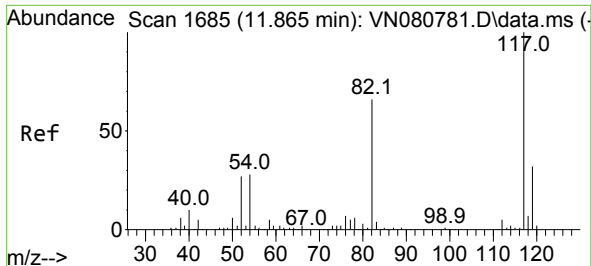
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.237 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion: 95 Resp: 90854
Ion Ratio Lower Upper
95 100
174 60.6 0.0 120.4
176 56.6 0.0 121.0

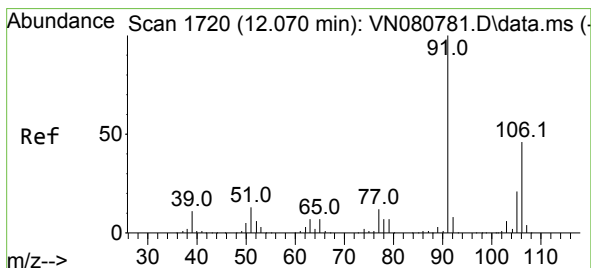
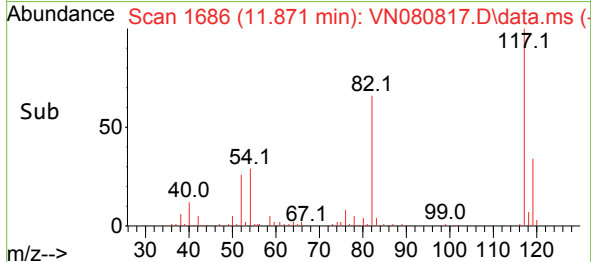
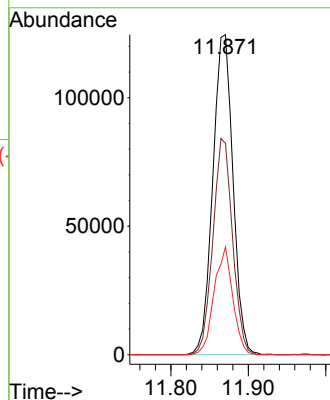
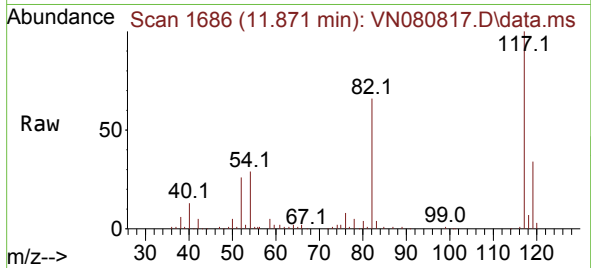




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

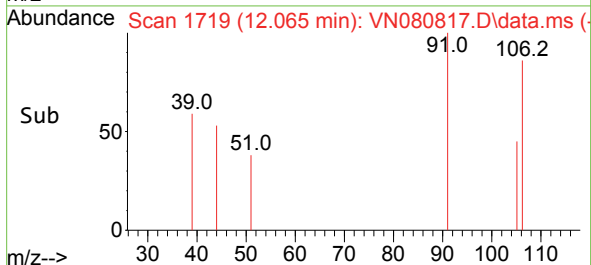
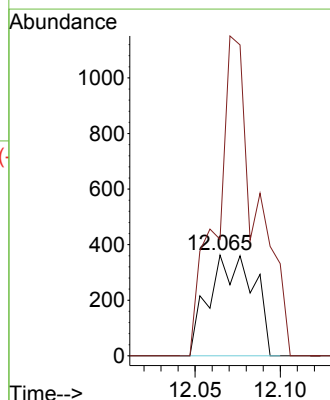
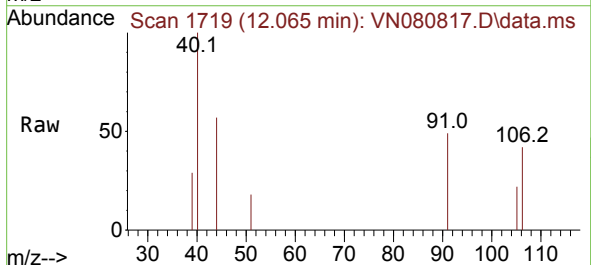
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

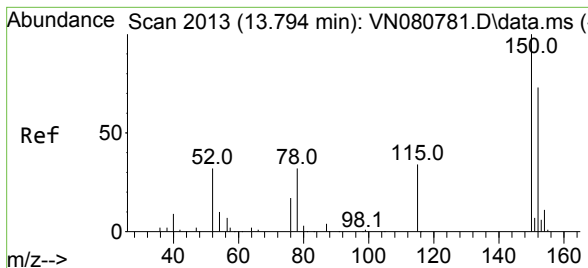
Tgt Ion:117 Resp: 225349
Ion Ratio Lower Upper
117 100
82 66.0 52.7 79.1
119 33.7 25.3 37.9



#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion:106 Resp: 665
Ion Ratio Lower Upper
106 100
91 278.5 169.0 253.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

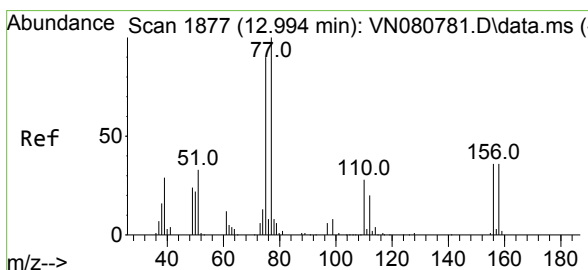
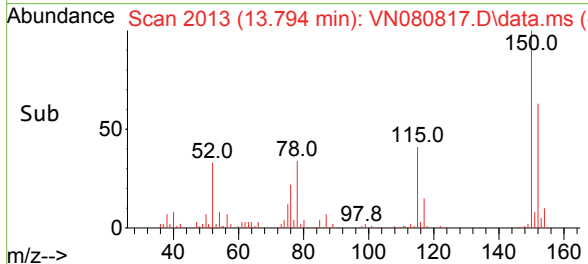
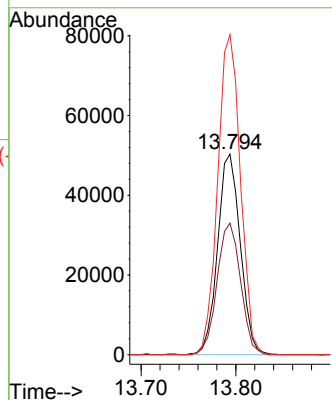
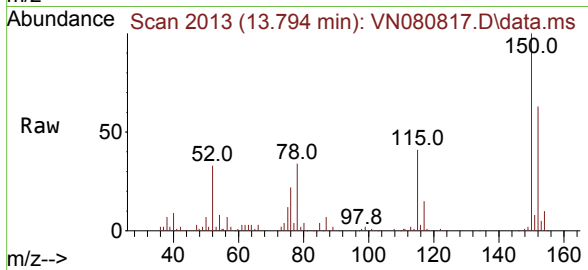
Tgt Ion:152 Resp: 83781

Ion Ratio Lower Upper

152 100

115 68.0 32.3 96.8

150 159.9 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.712 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080817.D

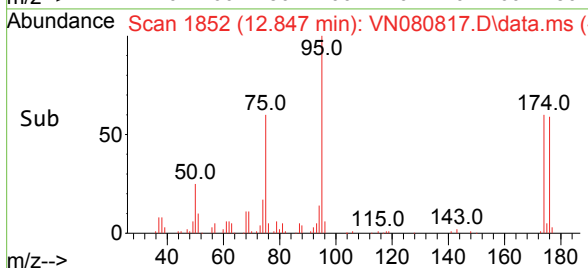
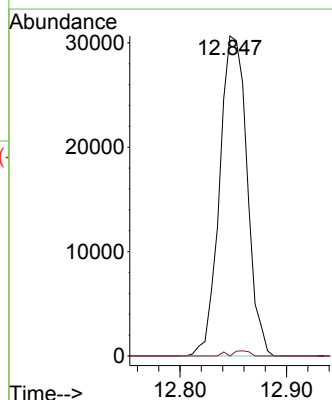
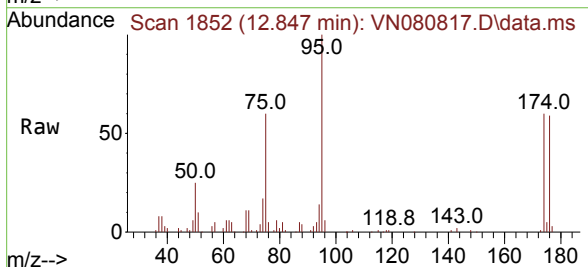
Acq: 30 Jan 2024 16:24

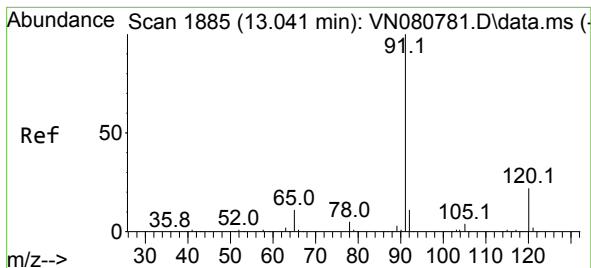
Tgt Ion: 75 Resp: 54862

Ion Ratio Lower Upper

75 100

77 1.1 91.0 272.8#





#78

n-propylbenzene

Concen: 0.220 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

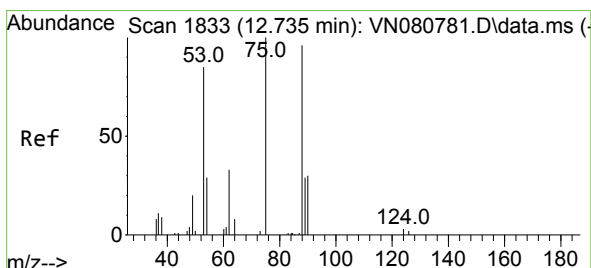
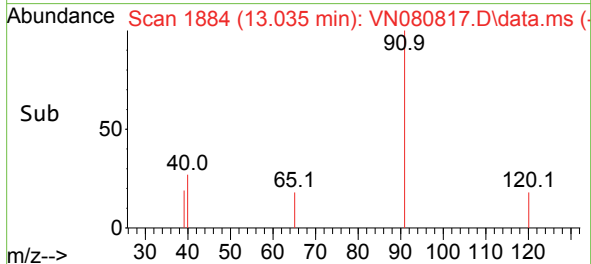
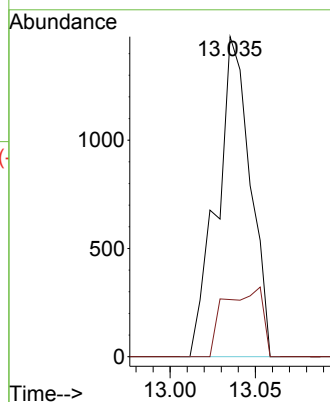
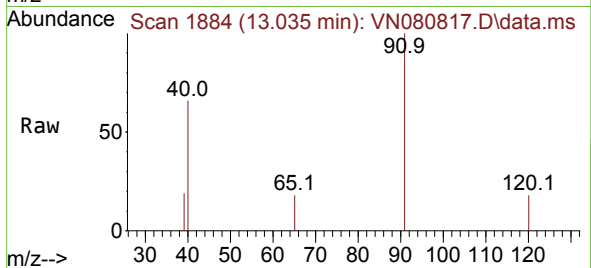
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 91 Resp: 2013

Ion Ratio Lower Upper

91 100

120 24.4 10.3 30.9



#81

trans-1,4-Dichloro-2-butene

Concen: 55.933 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

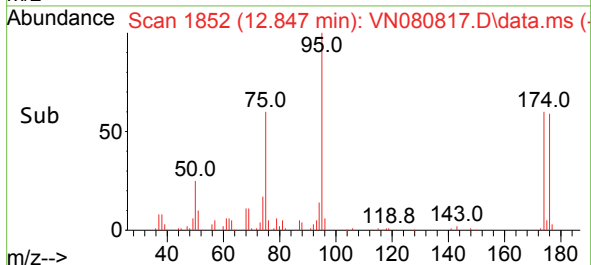
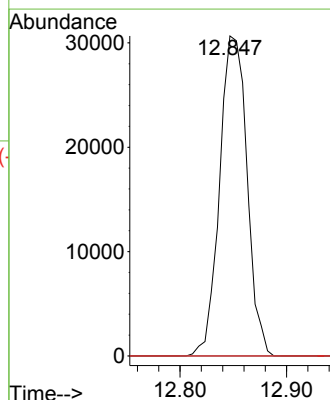
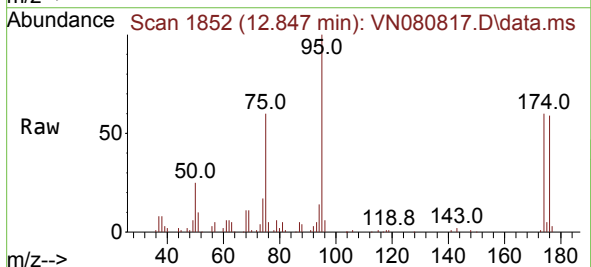
Tgt Ion: 75 Resp: 54862

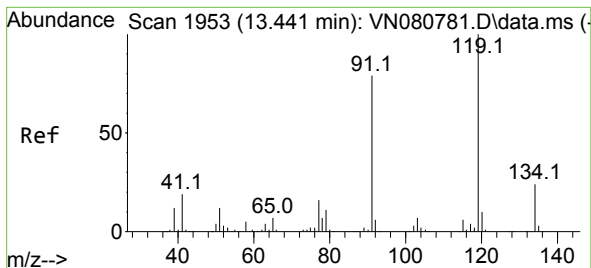
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#





#83

tert-Butylbenzene

Concen: 0.307 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN080817.D

Acq: 30 Jan 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

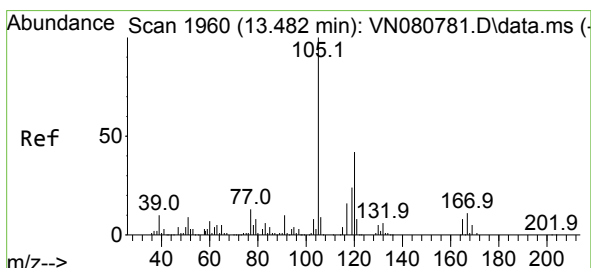
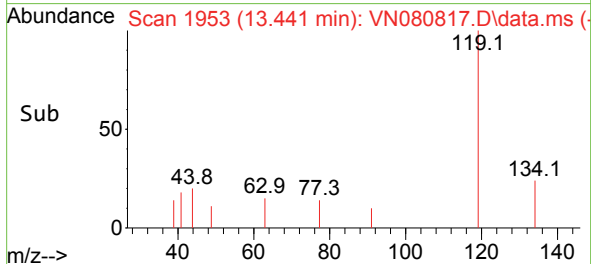
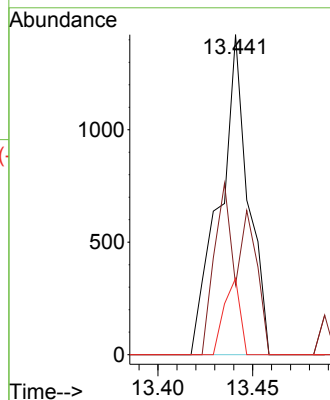
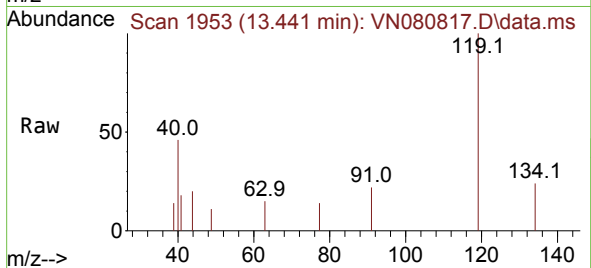
Tgt Ion:119 Resp: 1499

Ion Ratio Lower Upper

119 100

91 59.6 36.8 110.4

134 0.0 12.4 37.4#



#84

1,2,4-Trimethylbenzene

Concen: 0.206 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080817.D

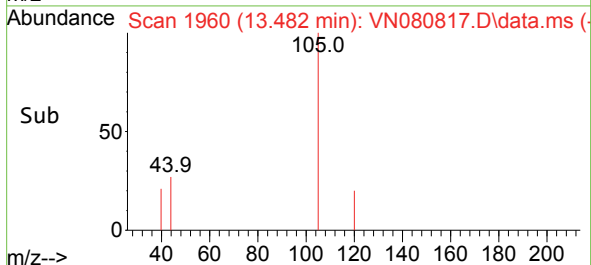
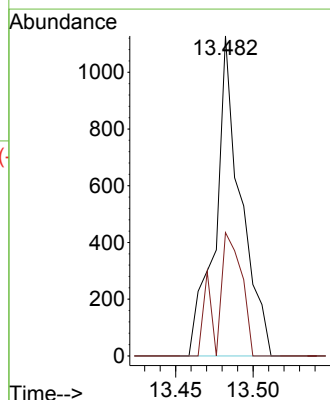
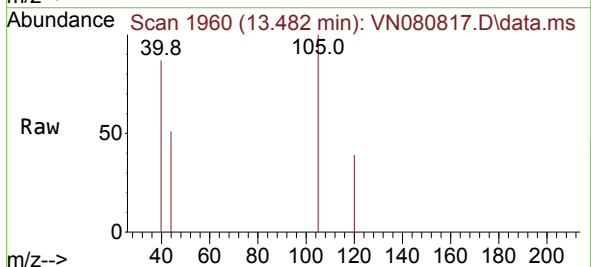
Acq: 30 Jan 2024 16:24

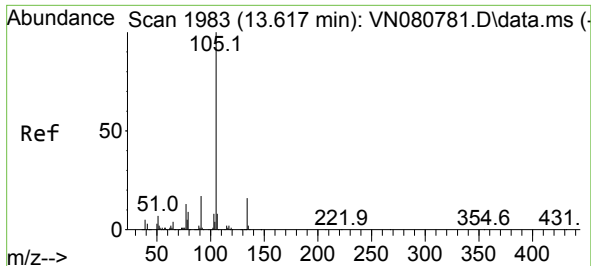
Tgt Ion:105 Resp: 1278

Ion Ratio Lower Upper

105 100

120 37.9 20.9 62.7

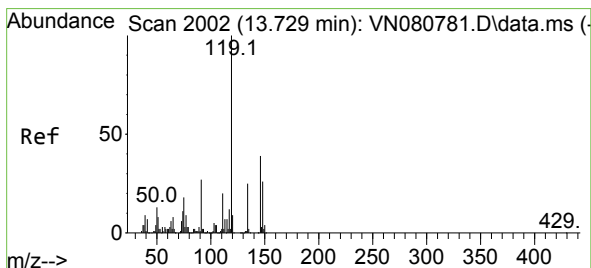
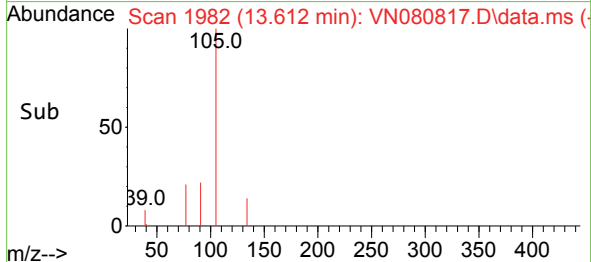
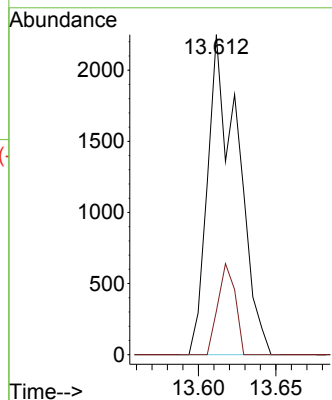
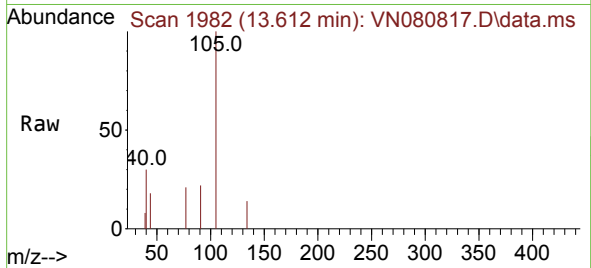




#85
 sec-Butylbenzene
 Concen: 0.425 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN080817.D
 Acq: 30 Jan 2024 16:24

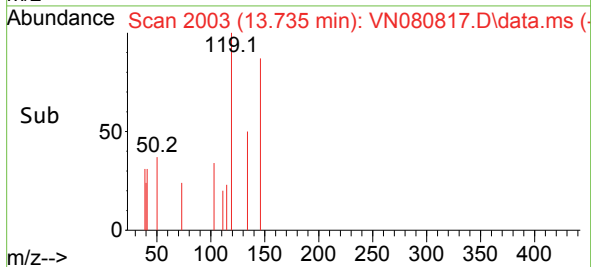
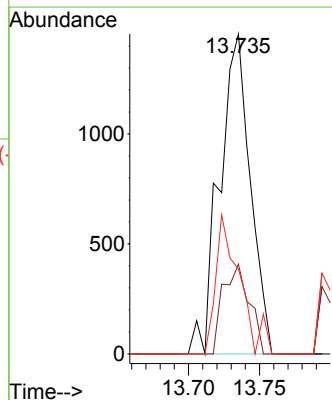
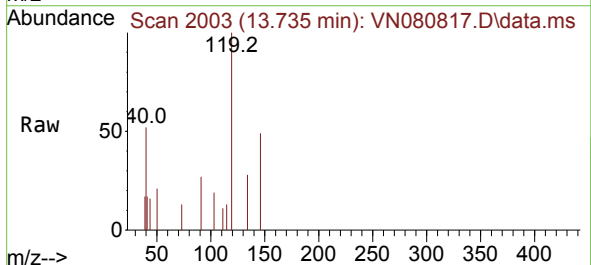
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

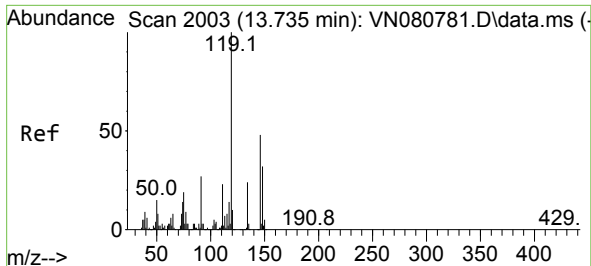
Tgt Ion:105 Resp: 3060
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.6 25.8



#86
 p-Isopropyltoluene
 Concen: 0.392 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN080817.D
 Acq: 30 Jan 2024 16:24

Tgt Ion:119 Resp: 2189
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.4 37.2
 91 34.0 13.5 40.4

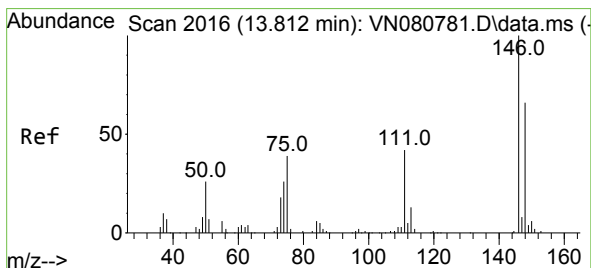
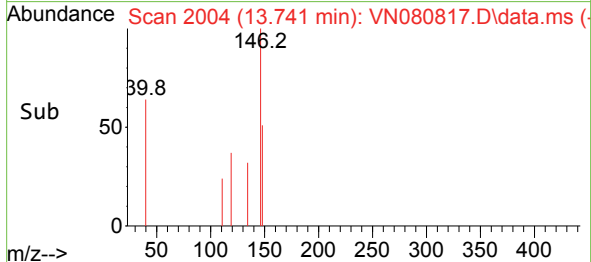
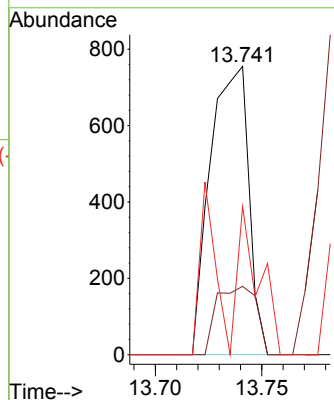
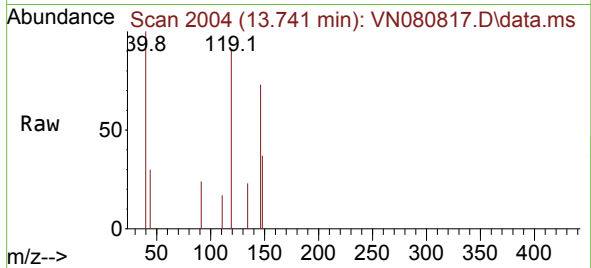




#87
1,3-Dichlorobenzene
Concen: 0.323 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

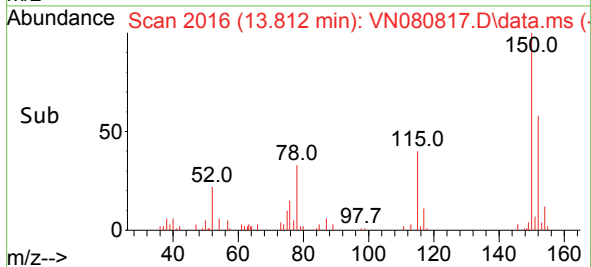
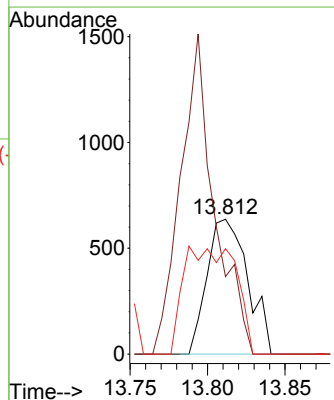
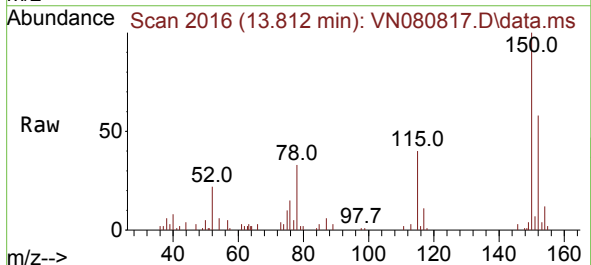
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

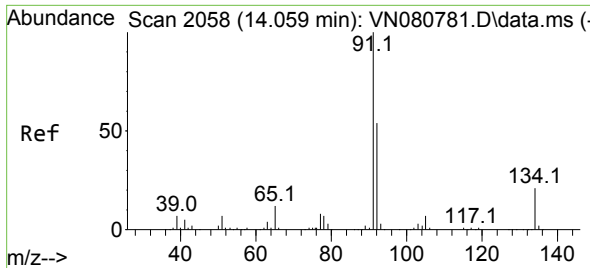
Tgt Ion:146 Resp: 948
Ion Ratio Lower Upper
146 100
111 24.5 23.9 71.7
148 29.0 32.6 97.7#



#88
1,4-Dichlorobenzene
Concen: 0.396 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt Ion:146 Resp: 1164
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7#
148 0.0 31.9 95.5#

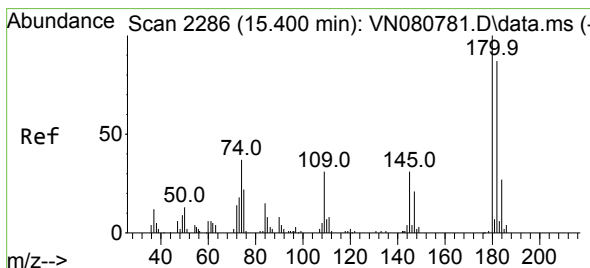
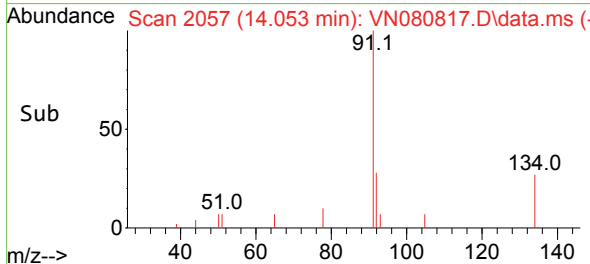
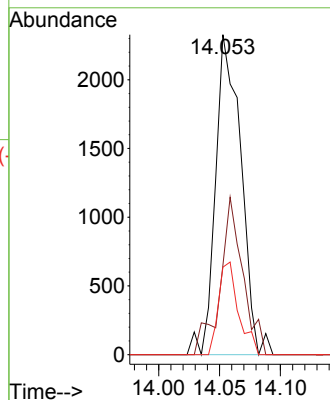
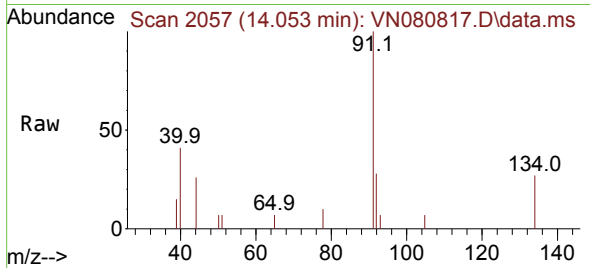




#89
n-Butylbenzene
Concen: 0.617 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

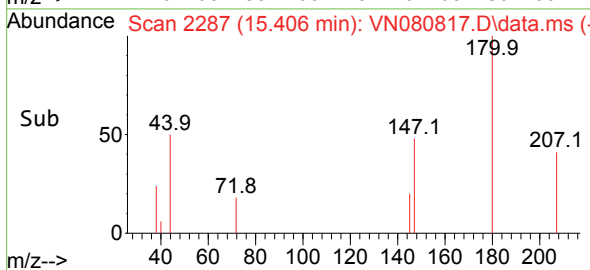
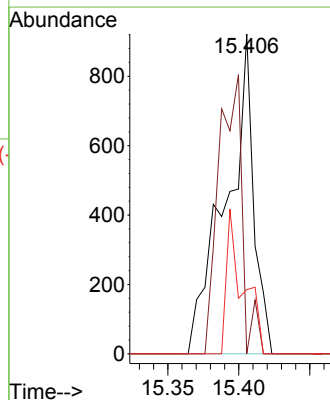
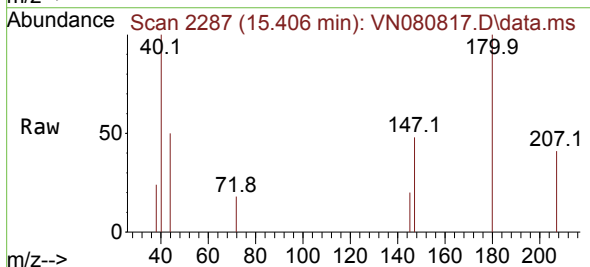
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

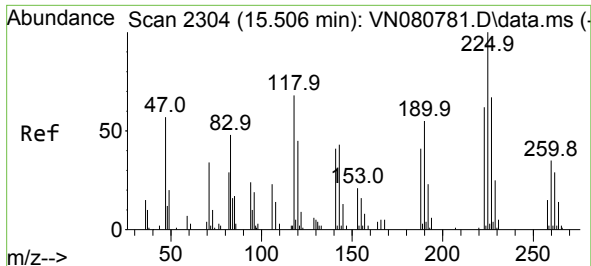
Tgt Ion: 91	Resp: 3377
Ion Ratio	Lower Upper
91 100	
92 44.3	26.7 80.1
134 22.7	10.8 32.4



#93
1,2,4-Trichlorobenzene
Concen: 0.901 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

Tgt	Ion:180	Resp:	1245
Ion	Ratio	Lower	Upper
180	100		
182	74.1	46.6	139.7
145	27.1	16.8	50.3

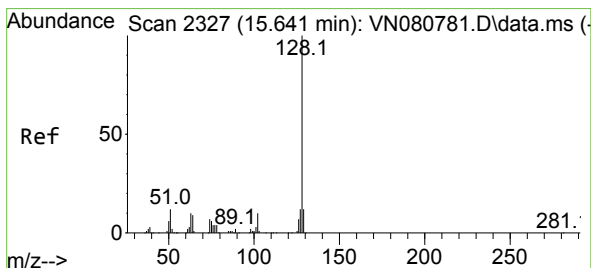
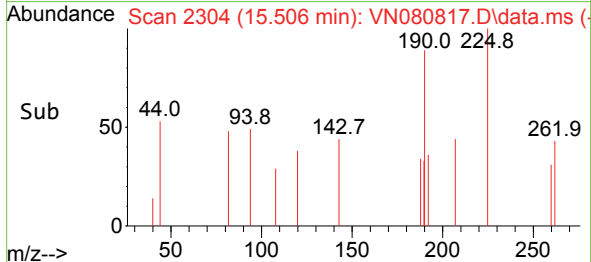
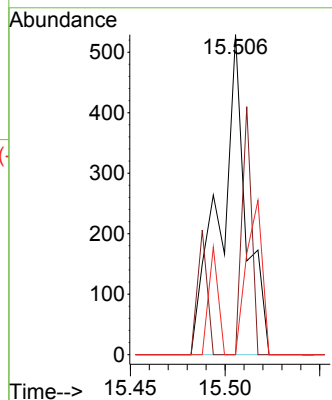
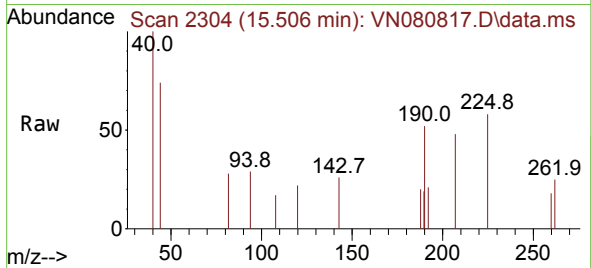




#94
Hexachlorobutadiene
Concen: 0.840 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

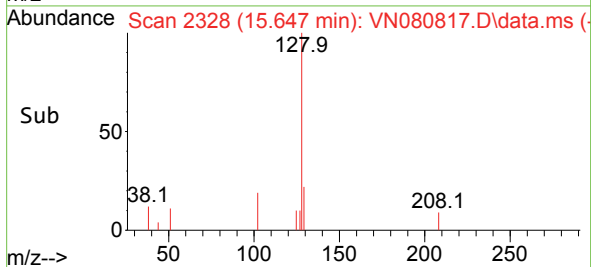
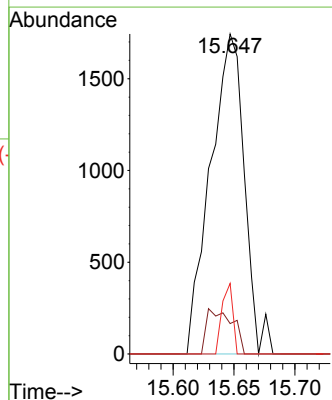
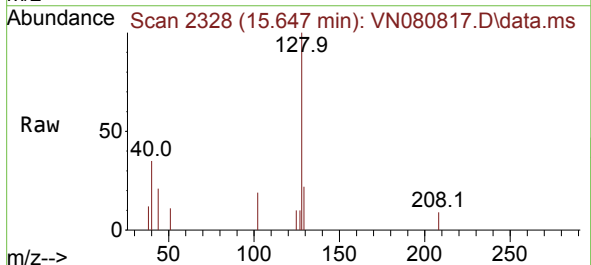
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

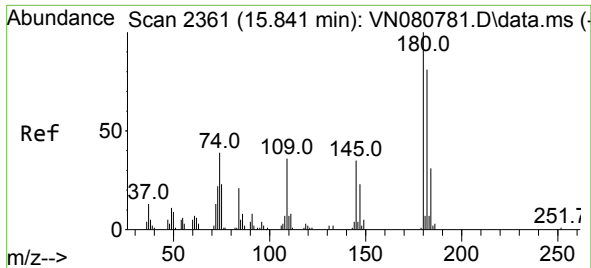
Tgt Ion:225 Resp: 507
Ion Ratio Lower Upper
225 100
223 28.6 33.3 99.8#
227 29.4 33.1 99.2#



#95
Naphthalene
Concen: 0.641 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080817.D
Acq: 30 Jan 2024 16:24

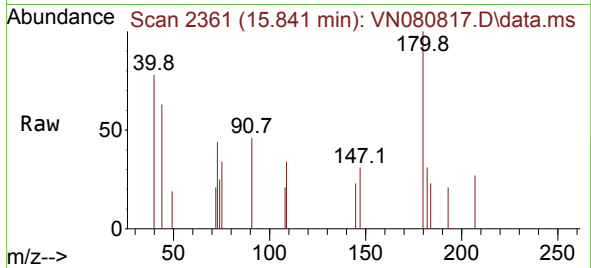
Tgt Ion:128 Resp: 3387
Ion Ratio Lower Upper
128 100
127 10.7 10.0 15.0
129 7.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.115 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080817.D
 Acq: 30 Jan 2024 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5



Tgt Ion:	180	Resp:	1514
Ion	Ratio	Lower	Upper
180	100		
182	52.0	46.5	139.3
145	19.6	17.8	53.4

