

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078616.D
 Acq On : 21 Jul 2023 16:12
 Operator : JC\MD
 Sample : 03704-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 21 23:26:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

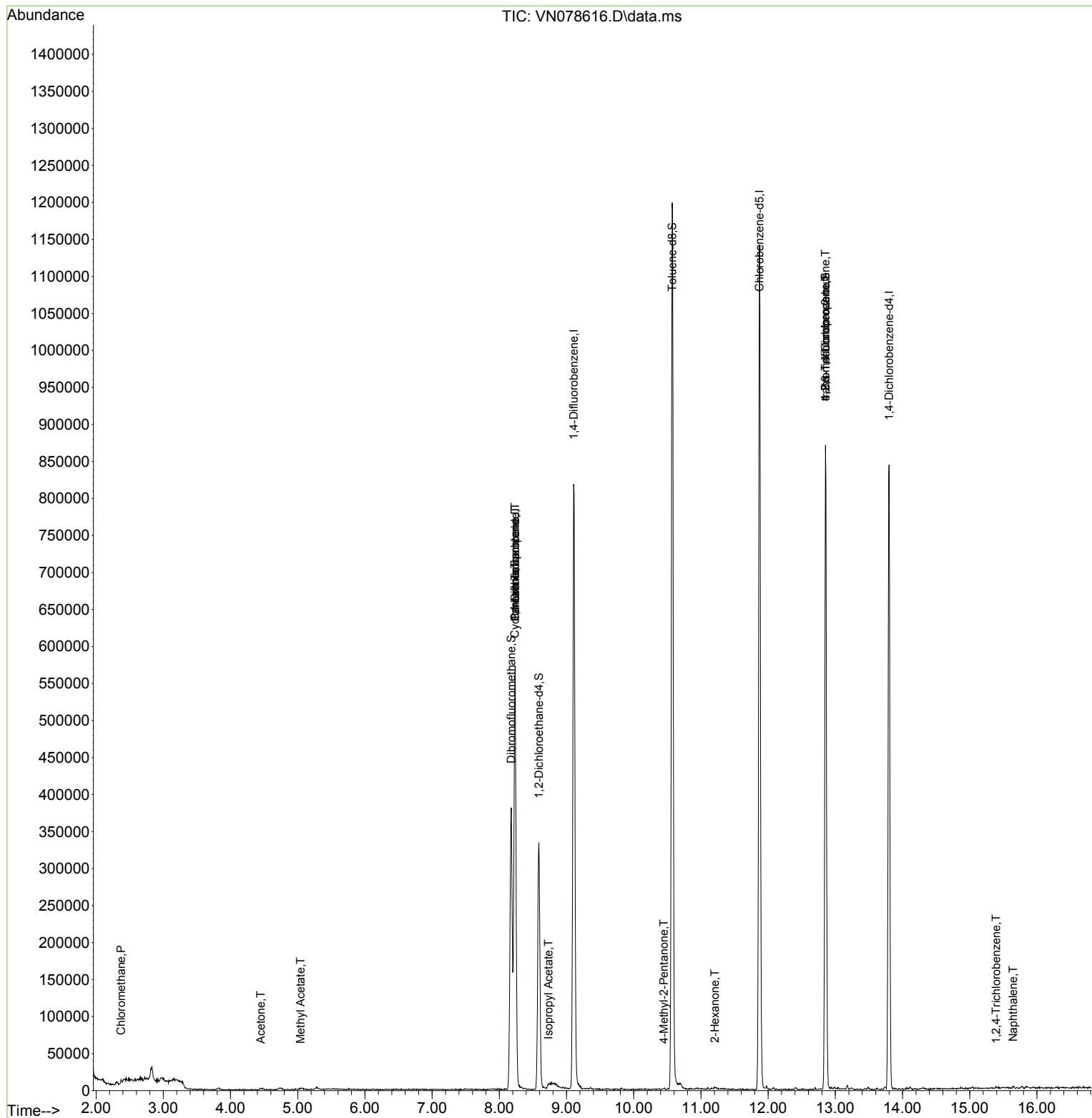
Internal Standards						
1) Pentafluorobenzene	8.236	168	416009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	693822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	276792	49.631	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.260%
35) Dibromofluoromethane	8.177	113	276110	54.293	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.580%
50) Toluene-d8	10.571	98	887733	46.208	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.853	95	302804	51.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3414	0.616	ug/l	96
5) Bromomethane	2.965	94	2408	Below Cal	#	63
6) Chloroethane	3.148	64	2960	Below Cal	#	44
16) Acetone	4.448	43	2039	1.174	ug/l #	84
18) Methyl Acetate	5.042	43	2392	0.325	ug/l #	75
20) Methylene Chloride	5.289	84	1513	Below Cal	#	61
31) Cyclohexane	8.230	56	10105	1.341	ug/l #	54
36) 1,1-Dichloropropene	8.236	75	35714	4.864	ug/l #	48
38) Carbon Tetrachloride	8.236	117	42733	5.355	ug/l #	15
43) Isopropyl Acetate	8.730	43	4632	0.460	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1375	0.229	ug/l #	31
59) 2-Hexanone	11.206	43	1982	0.465	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.935	83	541	Below Cal	#	74
76) 1,2,3-Trichloropropane	12.853	75	155747	27.434	ug/l #	1
77) Bromobenzene	12.988	156	656	Below Cal	#	75
81) trans-1,4-Dichloro-2-b...	12.853	75	155747	72.091	ug/l #	15
90) Hexachloroethane	14.323	117	354	Below Cal	#	42
92) 1,2-Dibromo-3-Chloropr...	14.806	75	60	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	15.394	180	724	0.269	ug/l	95
94) Hexachlorobutadiene	15.500	225	307	Below Cal	#	34
95) Naphthalene	15.647	128	3375	0.367	ug/l #	82

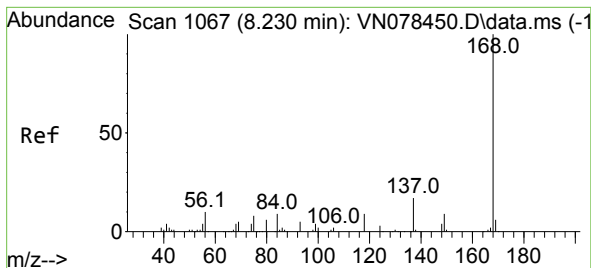
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078616.D

Acq: 21 Jul 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

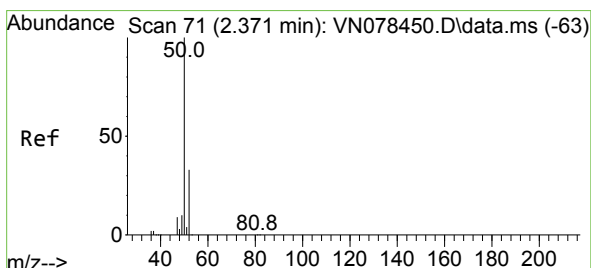
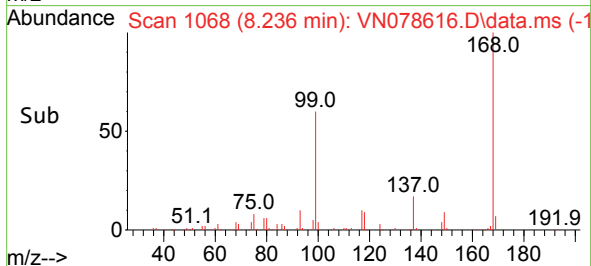
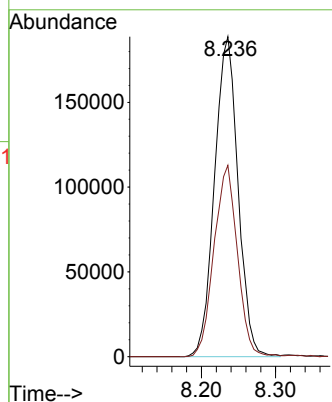
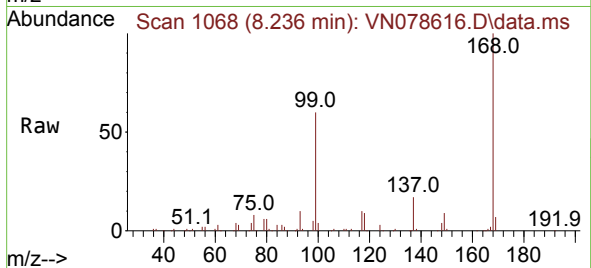
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 416009

Ion Ratio Lower Upper

168 100

99 59.8 53.0 79.6



#3

Chloromethane

Concen: 0.616 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078616.D

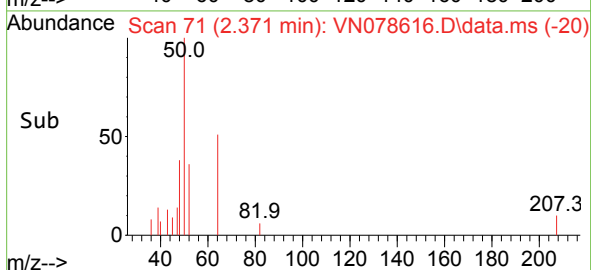
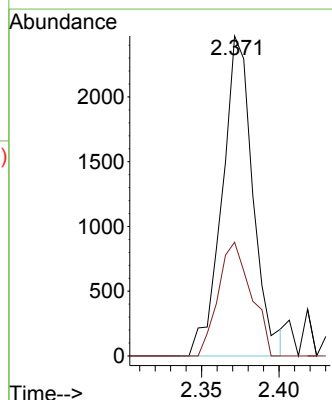
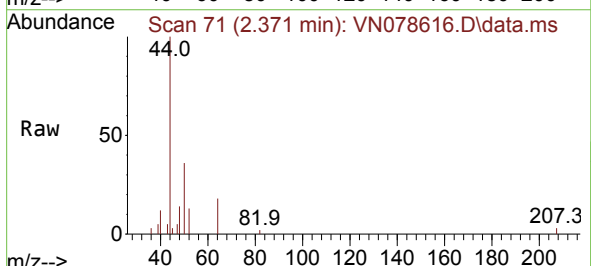
Acq: 21 Jul 2023 16:12

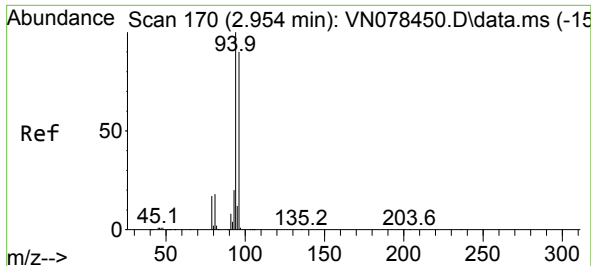
Tgt Ion: 50 Resp: 3414

Ion Ratio Lower Upper

50 100

52 35.5 26.5 39.7

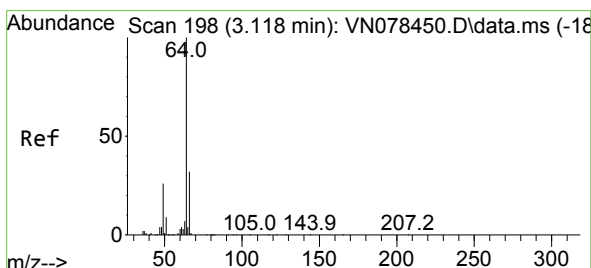
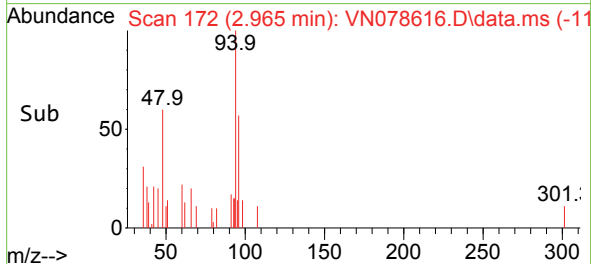
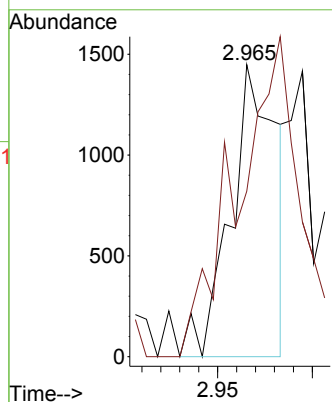
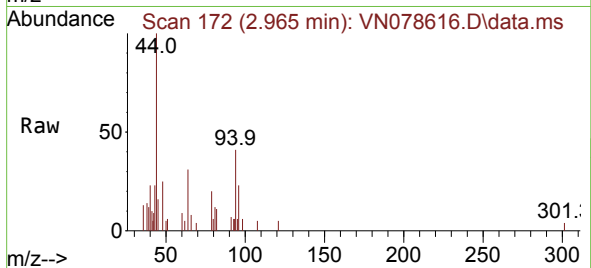




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

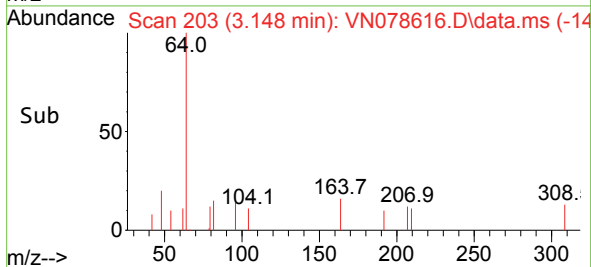
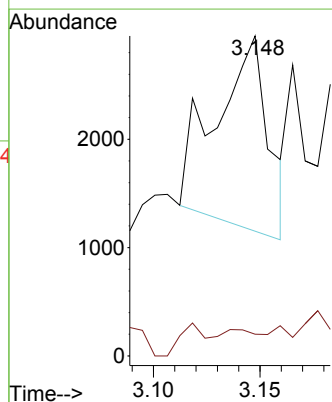
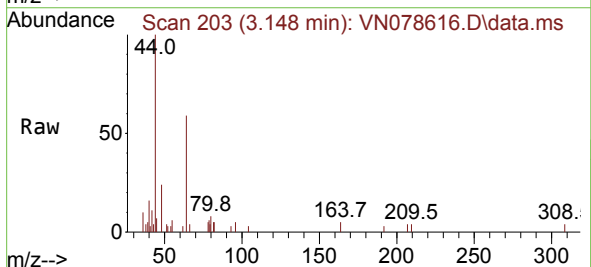
Instrument :
MSVOA_N
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STORAGE-BLANK-WATER-REF-5

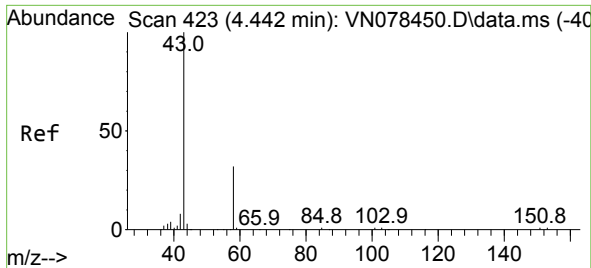
Tgt Ion: 94 Resp: 2408
Ion Ratio Lower Upper
94 100
96 56.6 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 64 Resp: 2960
Ion Ratio Lower Upper
64 100
66 0.9 25.4 38.2#

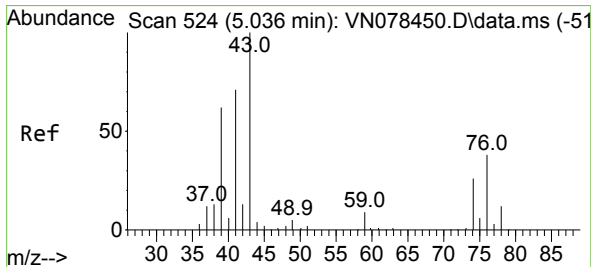
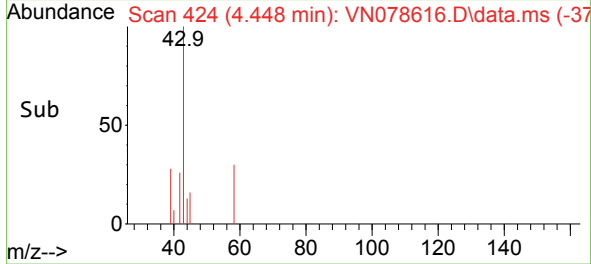
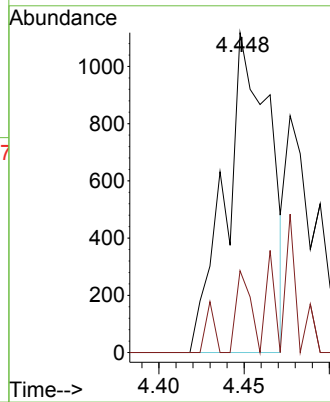
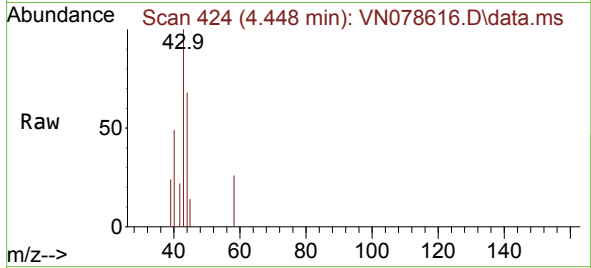




#16
Acetone
Concen: 1.174 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

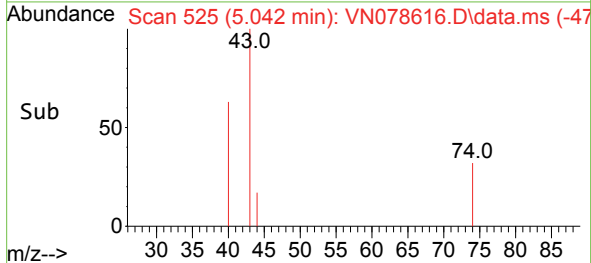
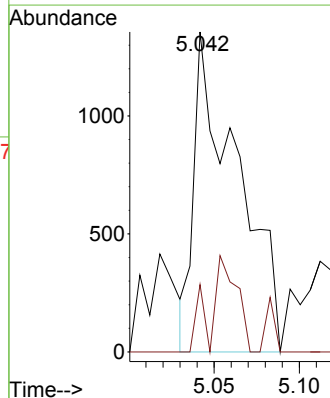
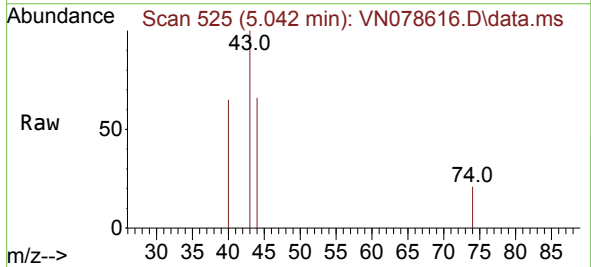
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

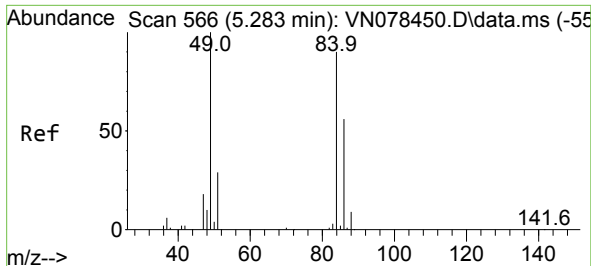
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 25.6 28.0 42.0#



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 18.6 26.2 39.4#

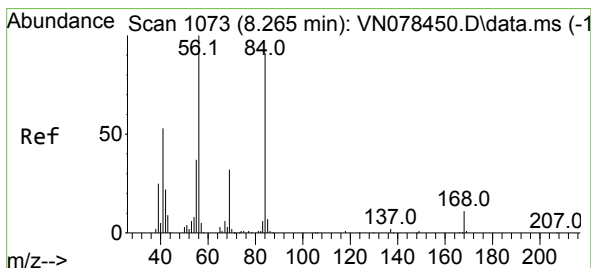
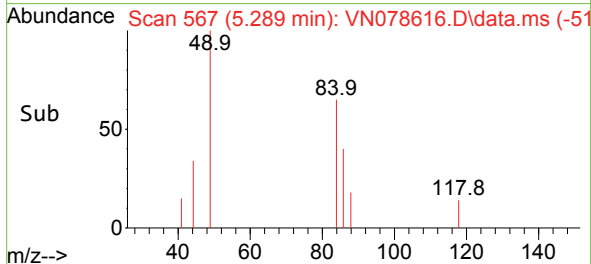
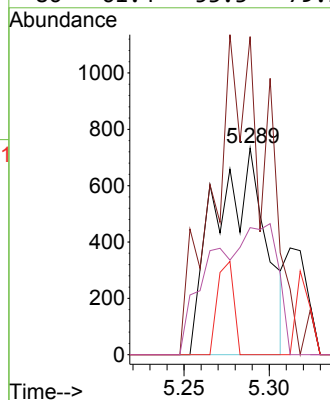
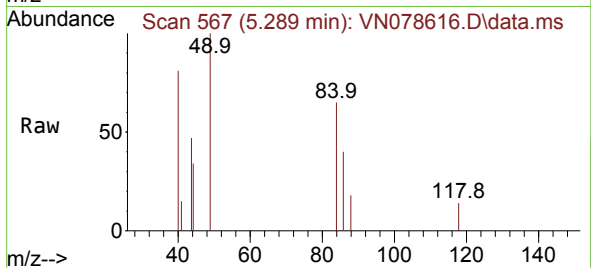




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

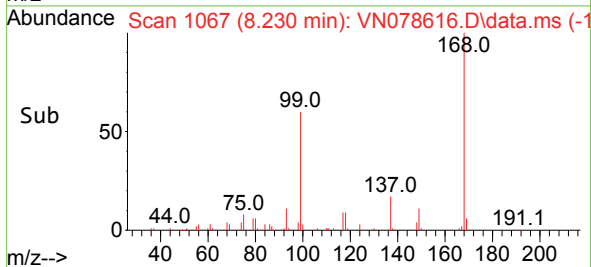
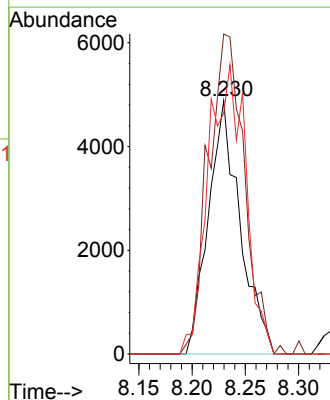
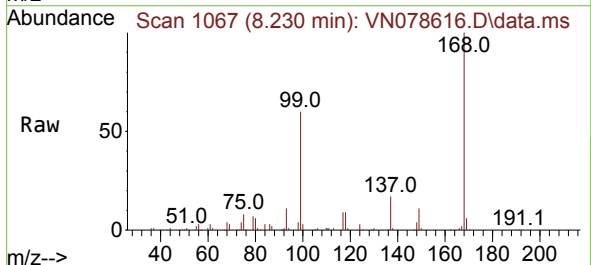
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

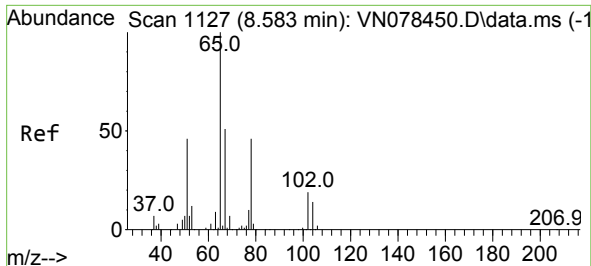
Tgt Ion:	84	Resp:	1513
Ion	Ratio	Lower	Upper
84	100		
49	153.8	79.7	119.5#
51	0.0	25.2	37.8#
86	61.4	53.3	79.9



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion:	56	Resp:	10105
Ion	Ratio	Lower	Upper
56	100		
69	126.3	26.8	40.2#
84	95.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 49.631 ug/l

RT: 8.589 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078616.D

Acq: 21 Jul 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

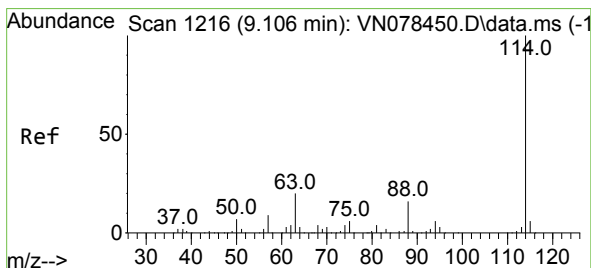
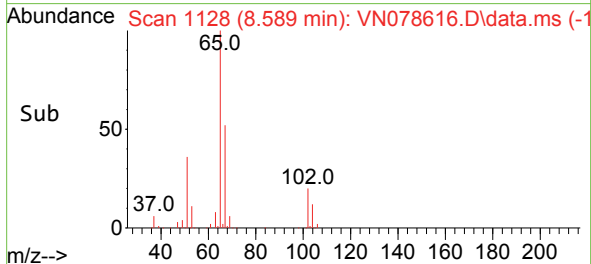
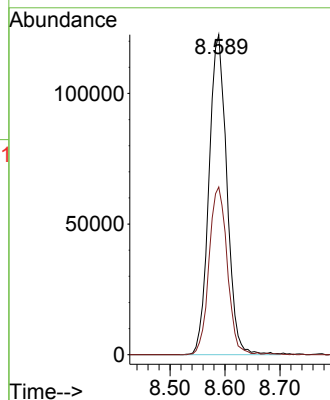
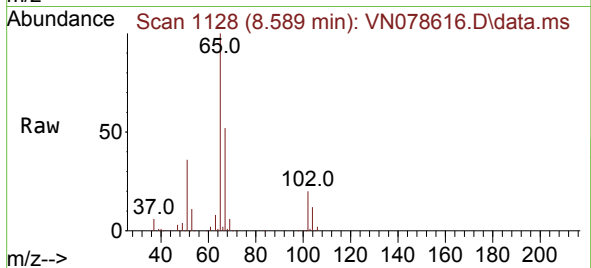
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 276792

Ion Ratio Lower Upper

65 100

67 53.3 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: VN078616.D

Acq: 21 Jul 2023 16:12

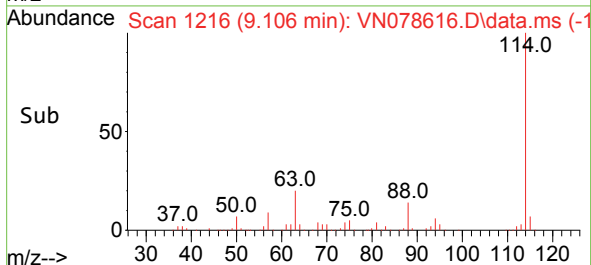
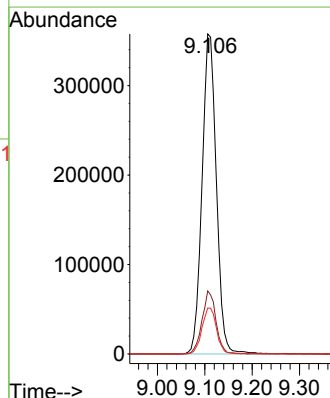
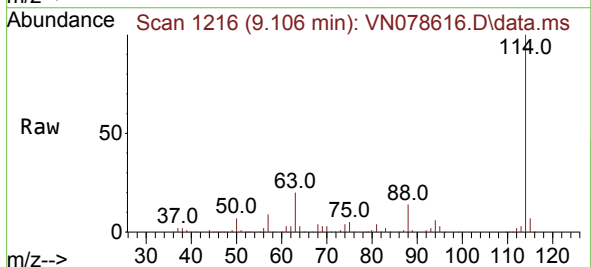
Tgt Ion: 114 Resp: 749159

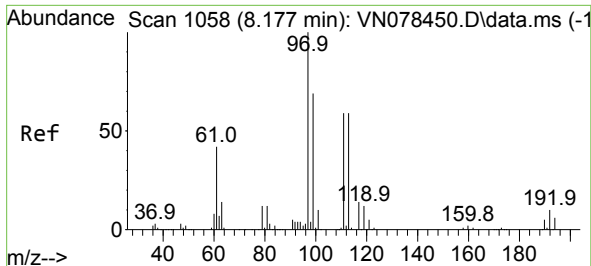
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 14.4 0.0 30.6

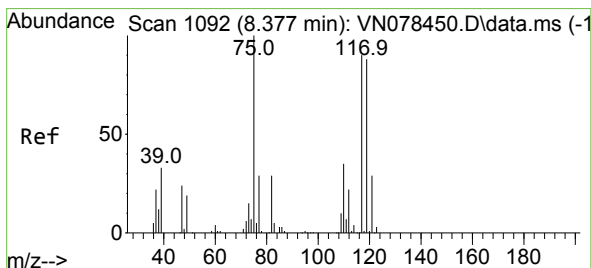
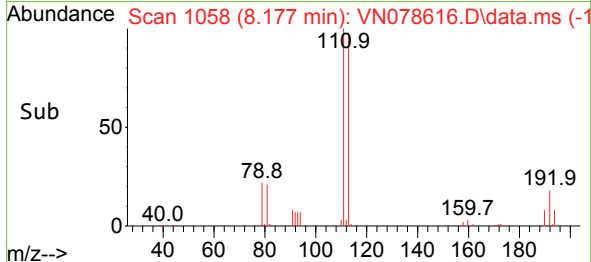
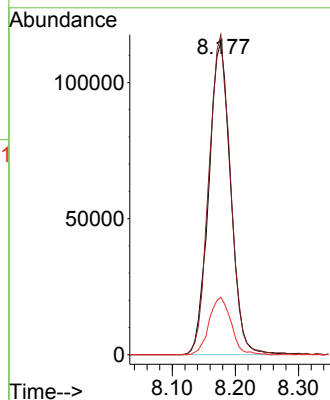
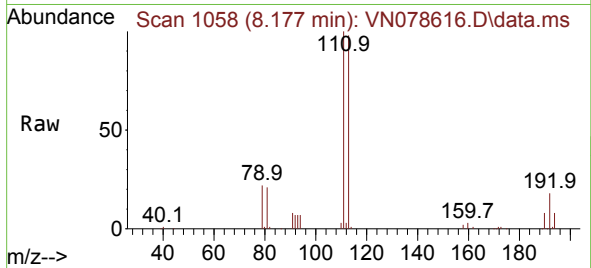




#35
Dibromofluoromethane
Concen: 54.293 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

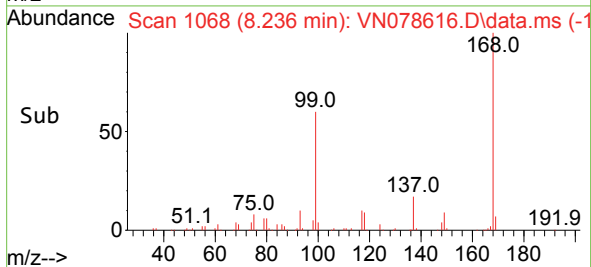
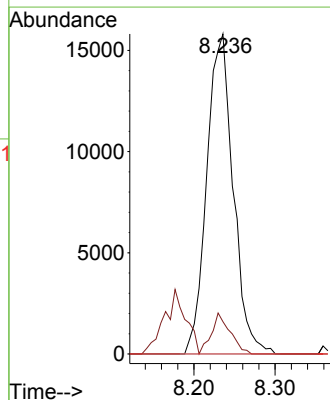
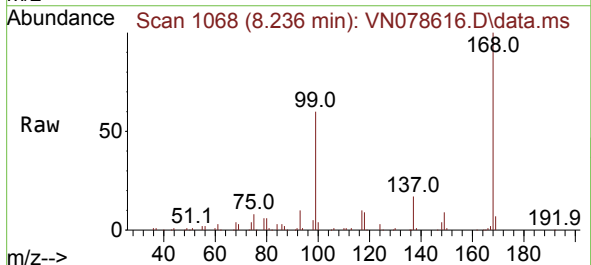
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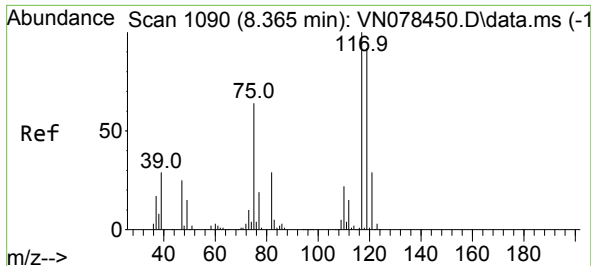
Tgt Ion:113 Resp: 276110
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

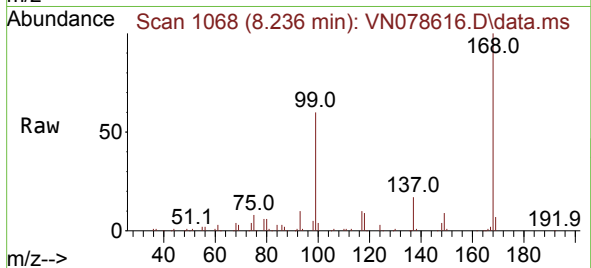
Tgt Ion: 75 Resp: 35714
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#



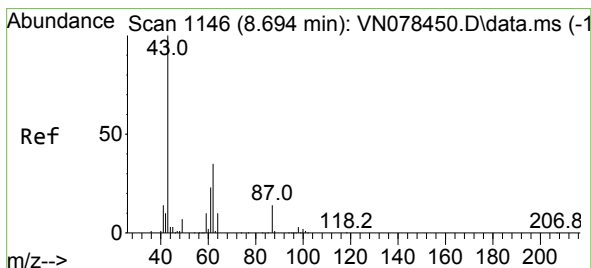
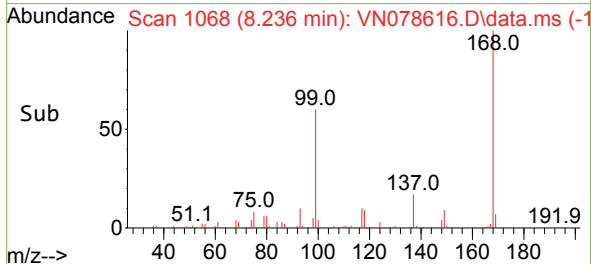
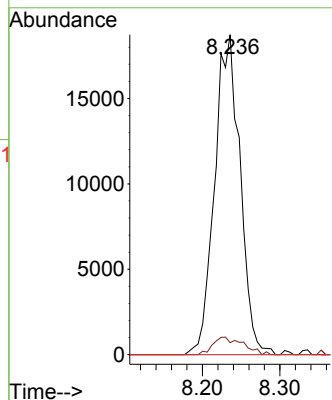


#38
Carbon Tetrachloride
Concen: 5.355 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

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

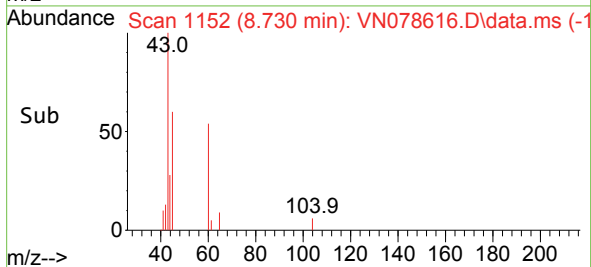
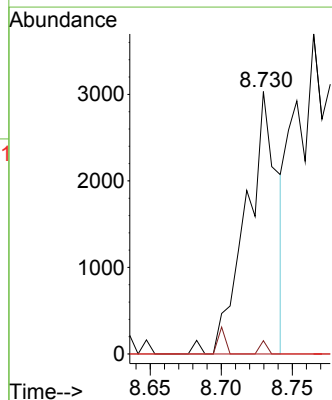
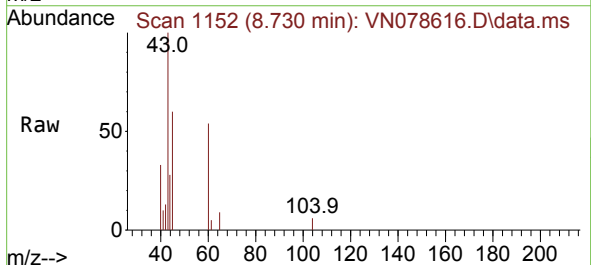


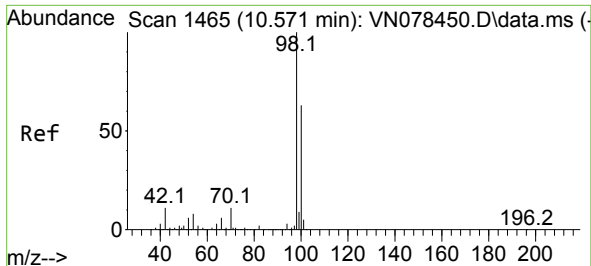
Tgt Ion:117 Resp: 42733
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.460 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.036 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

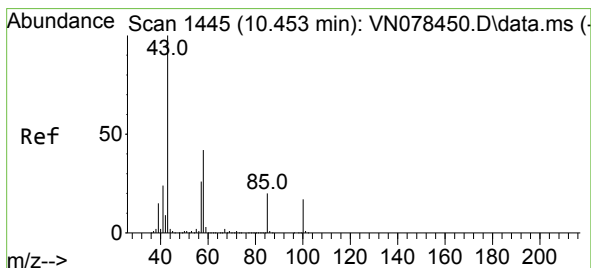
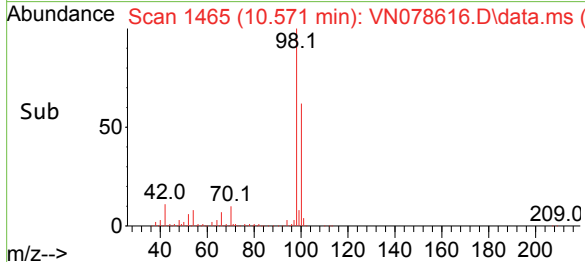
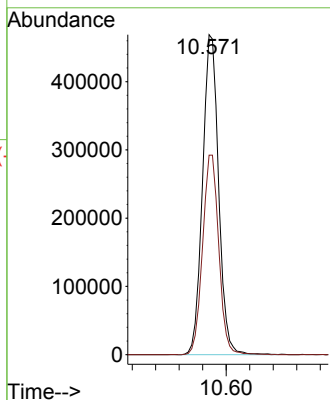
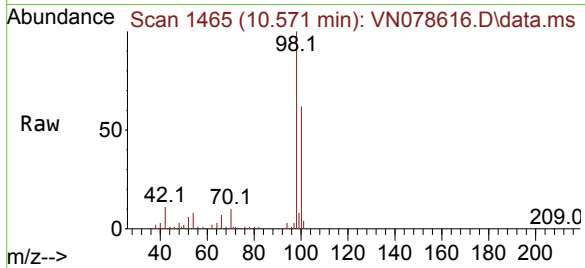




#50
Toluene-d8
Concen: 46.208 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

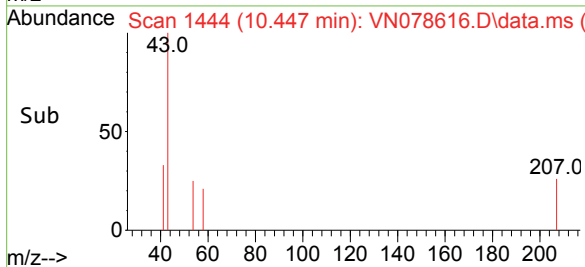
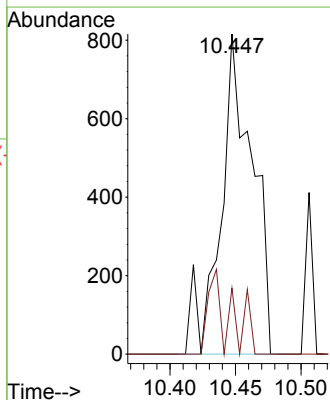
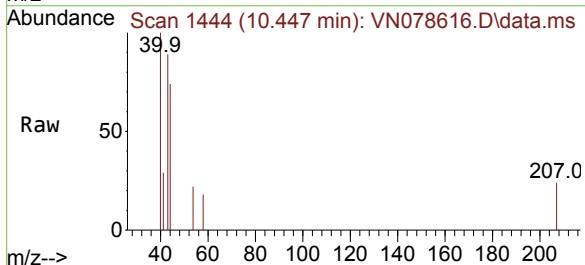
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

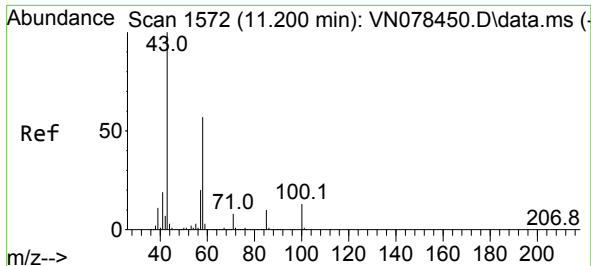
Tgt Ion: 98 Resp: 887733
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.229 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

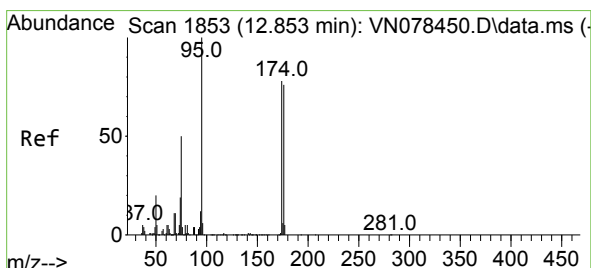
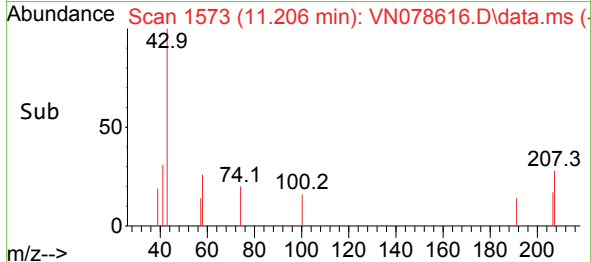
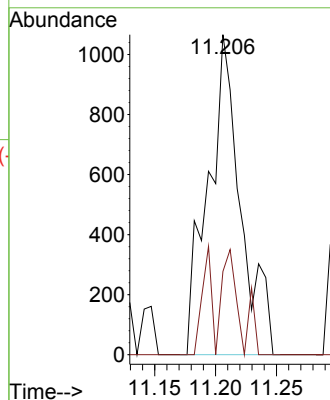
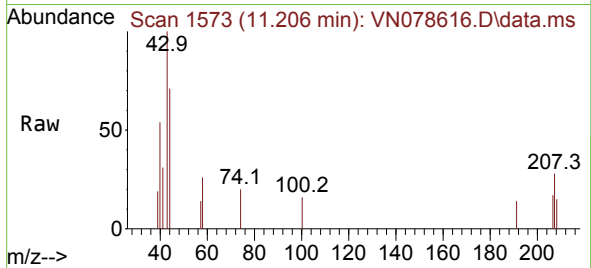




#59
2-Hexanone
Concen: 0.465 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

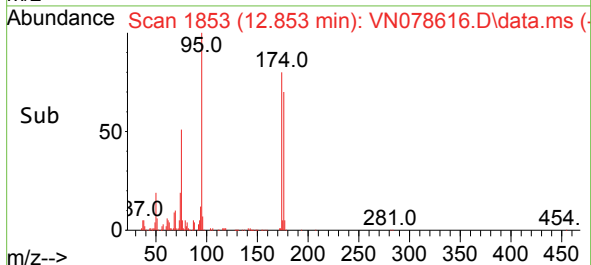
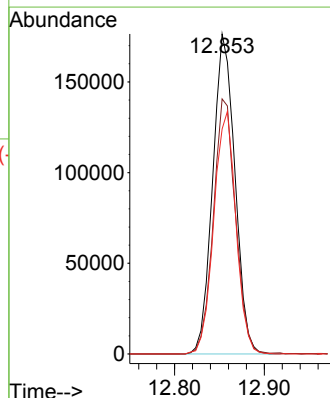
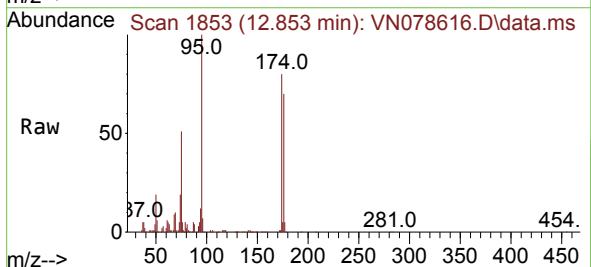
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

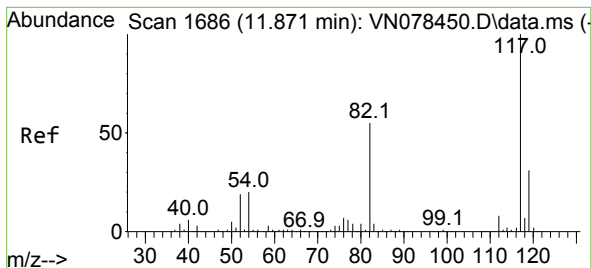
Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
58 14.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.170 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 95 Resp: 302804
Ion Ratio Lower Upper
95 100
174 80.1 0.0 143.8
176 75.5 0.0 135.8

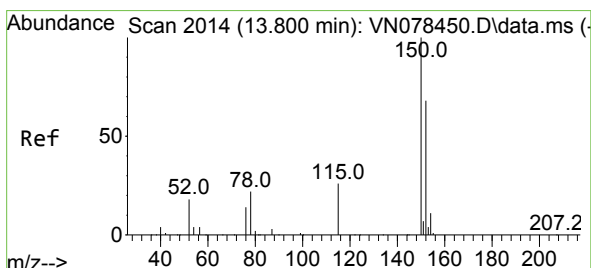
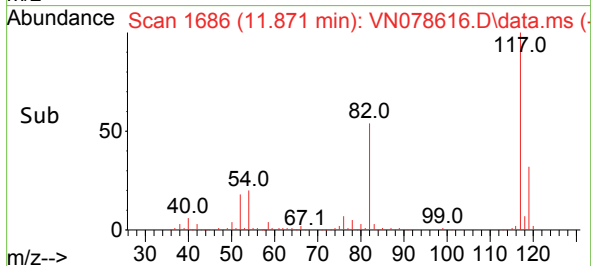
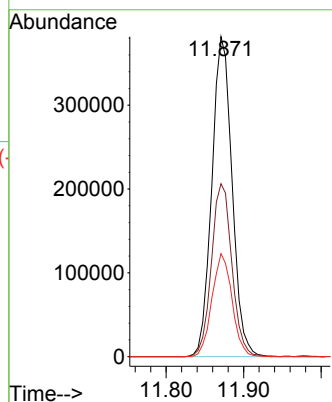
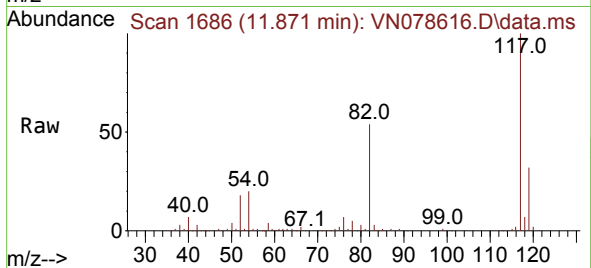




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

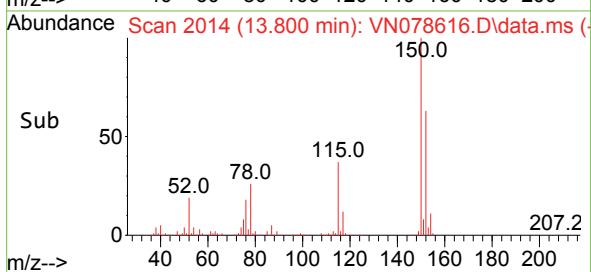
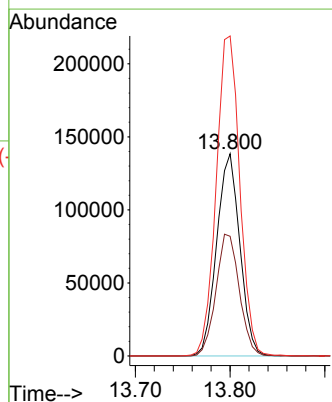
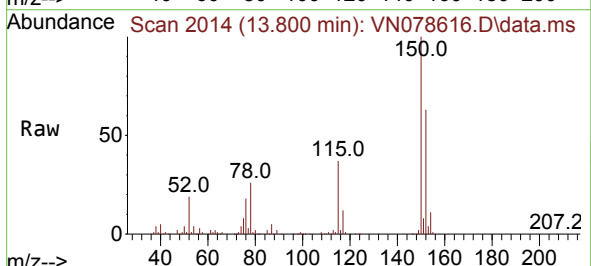
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

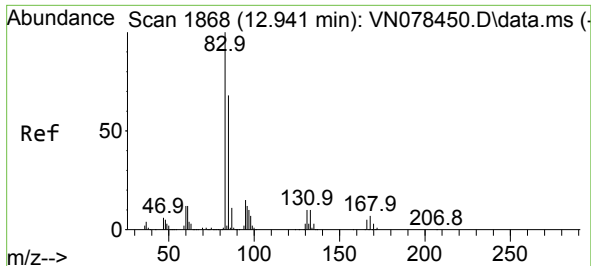
Tgt Ion:117 Resp: 693822
Ion Ratio Lower Upper
117 100
82 54.0 44.0 66.0
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion:152 Resp: 234873
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 161.5 0.0 355.8

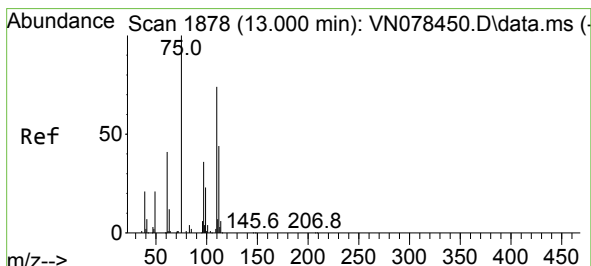
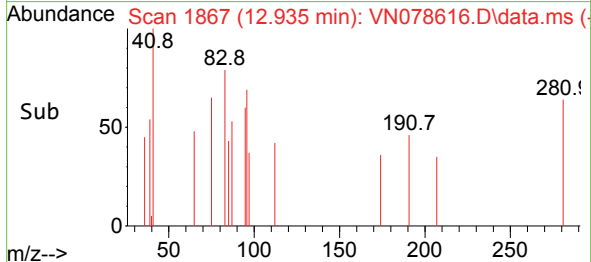
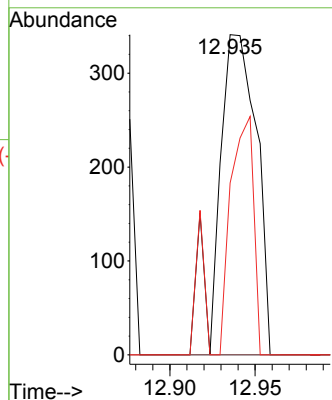
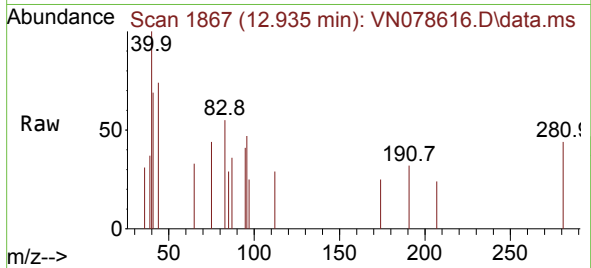




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

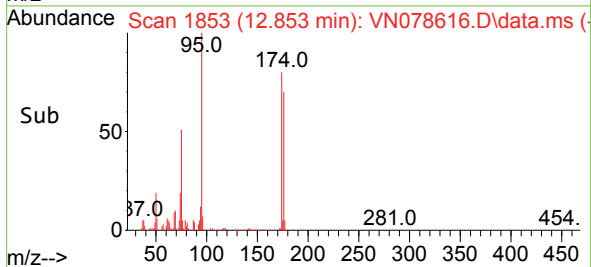
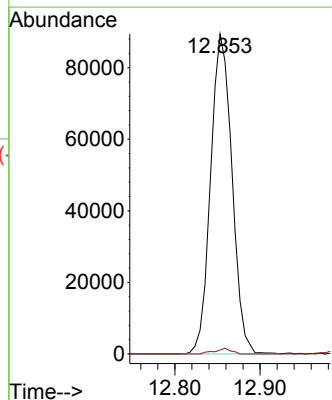
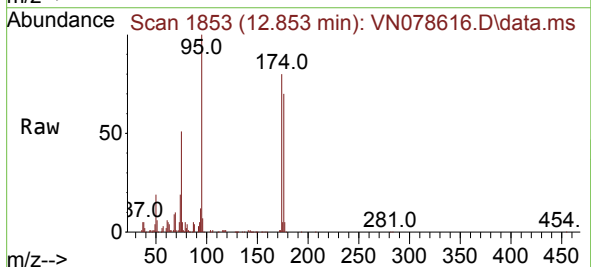
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

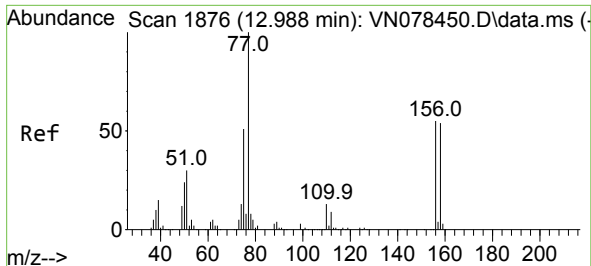
Tgt Ion: 83 Resp: 541
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 43.6 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 27.434 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 75 Resp: 155747
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#

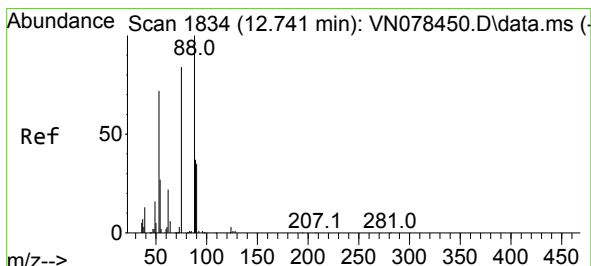
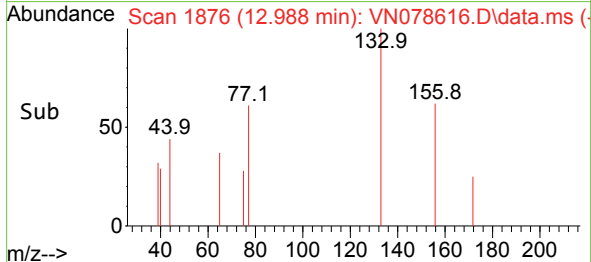
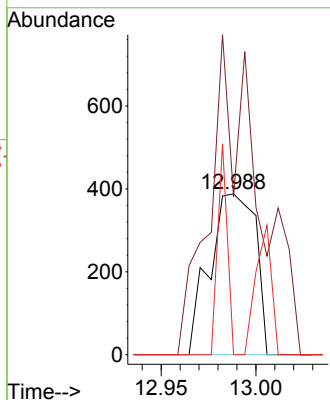
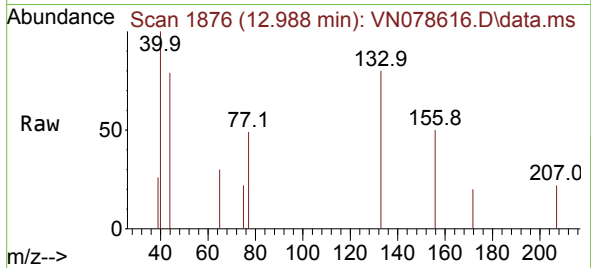




#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

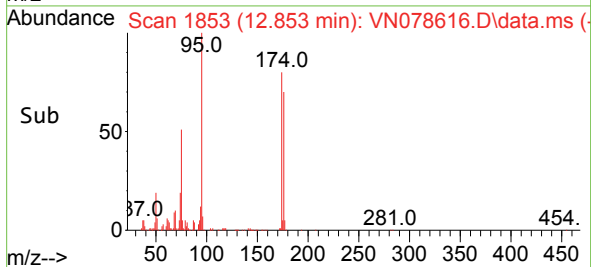
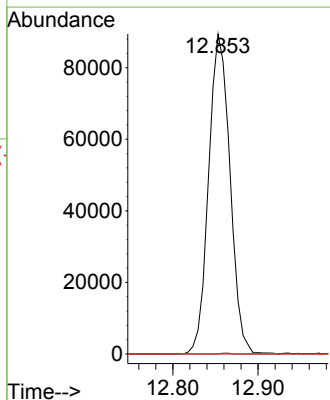
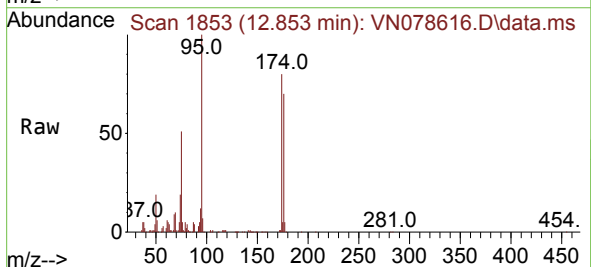
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

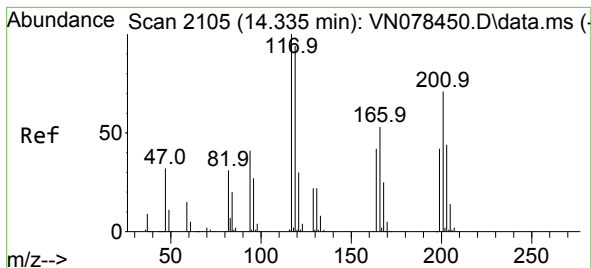
Tgt Ion:156 Resp: 656
Ion Ratio Lower Upper
156 100
77 208.1 107.7 323.3
158 27.4 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.091 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

Tgt Ion: 75 Resp: 155747
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.323 min Scan# 2103

Delta R.T. -0.012 min

Lab File: VN078616.D

Acq: 21 Jul 2023 16:12

Instrument :

MSVOA_N

ClientSampleId :

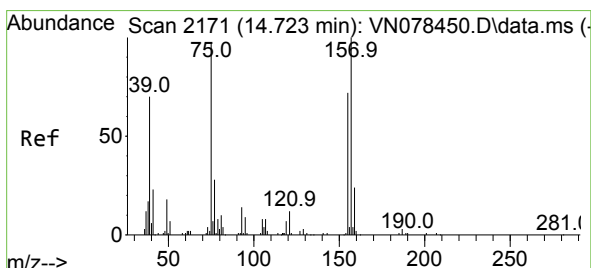
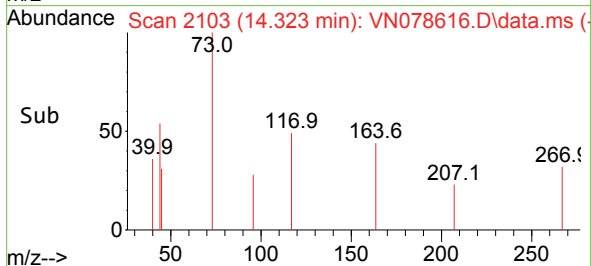
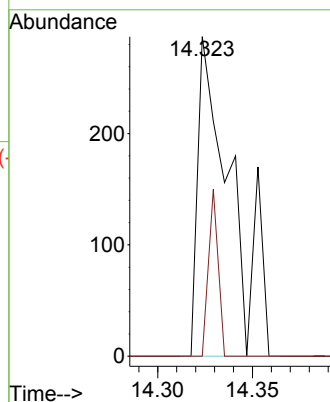
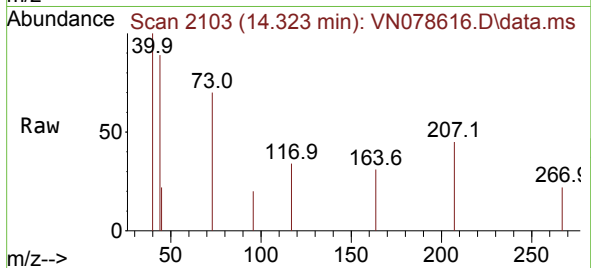
STORAGE-BLANK-WATER-REF-5

Tgt Ion:117 Resp: 354

Ion Ratio Lower Upper

117 100

201 15.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.806 min Scan# 2185

Delta R.T. 0.083 min

Lab File: VN078616.D

Acq: 21 Jul 2023 16:12

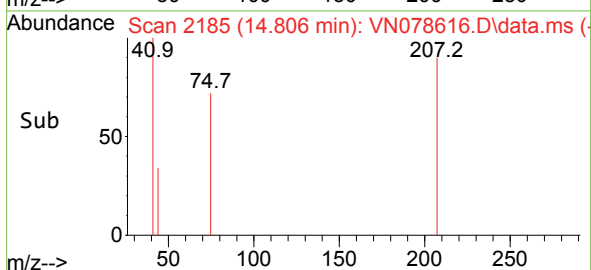
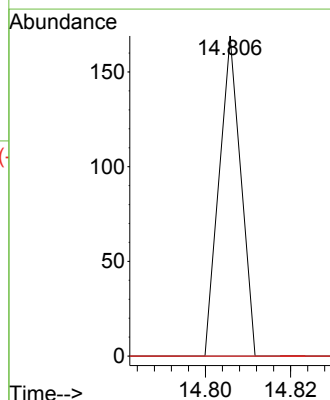
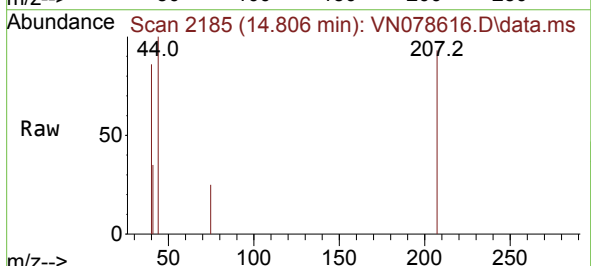
Tgt Ion: 75 Resp: 60

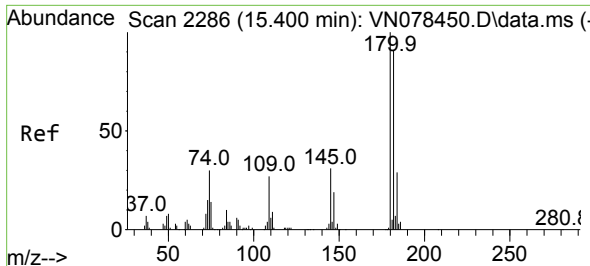
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

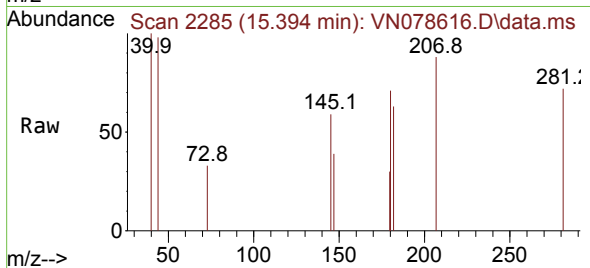
157 0.0 50.3 150.9#



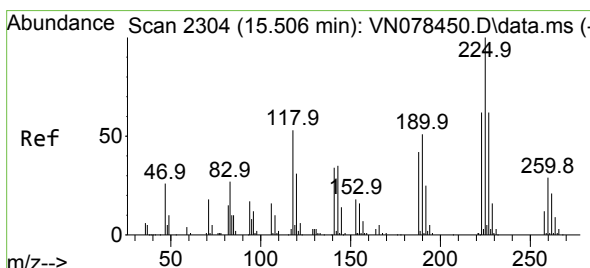
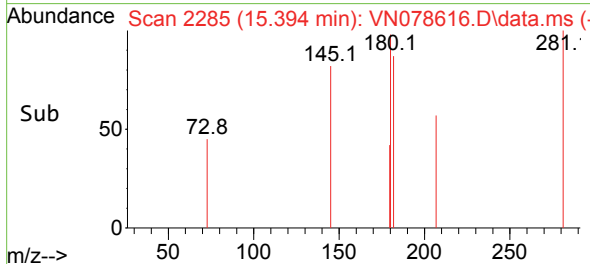
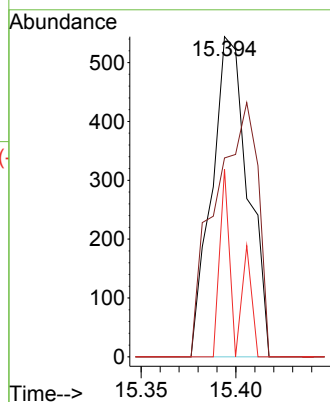


#93
1,2,4-Trichlorobenzene
Concen: 0.269 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

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

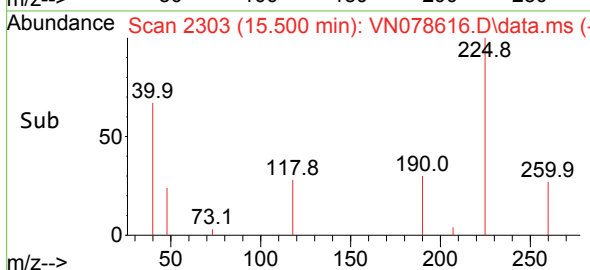
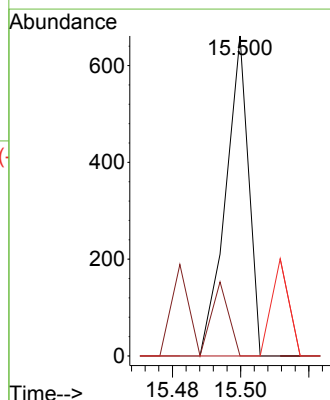
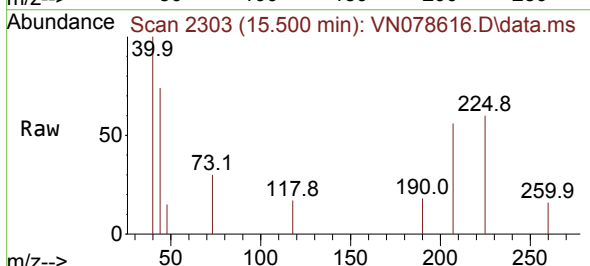


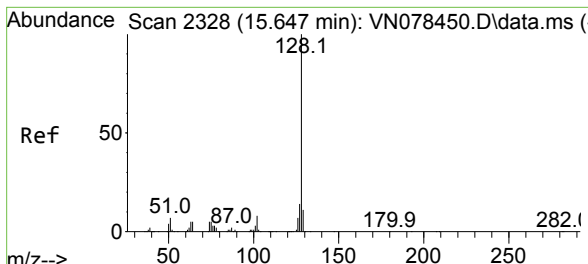
Tgt Ion:180 Resp: 724
Ion Ratio Lower Upper
180 100
182 93.0 46.1 138.2
145 24.7 16.6 49.8



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078616.D
Acq: 21 Jul 2023 16:12

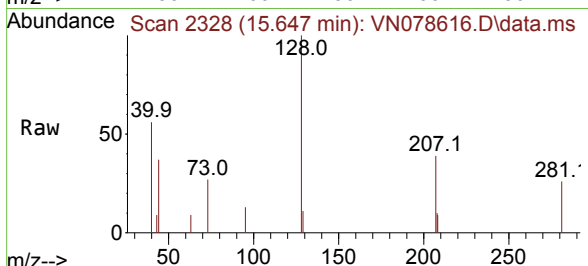
Tgt Ion:225 Resp: 307
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 23.1 31.9 95.9#





#95
 Naphthalene
 Concen: 0.367 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078616.D
 Acq: 21 Jul 2023 16:12

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



Tgt Ion:128 Resp: 3375
 Ion Ratio Lower Upper
 128 100
 127 2.3 10.0 15.0#
 129 7.6 8.7 13.1#

