

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082123\
 Data File : VN078968.D
 Acq On : 21 Aug 2023 12:19
 Operator : JC\MD
 Sample : VN0821WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 00:54:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	162370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	279400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82956	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126240	49.964	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.920%
35) Dibromofluoromethane	8.171	113	103511	51.533	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.060%
50) Toluene-d8	10.570	98	371889	49.863	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.720%
62) 4-Bromofluorobenzene	12.853	95	106920	43.859	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.720%

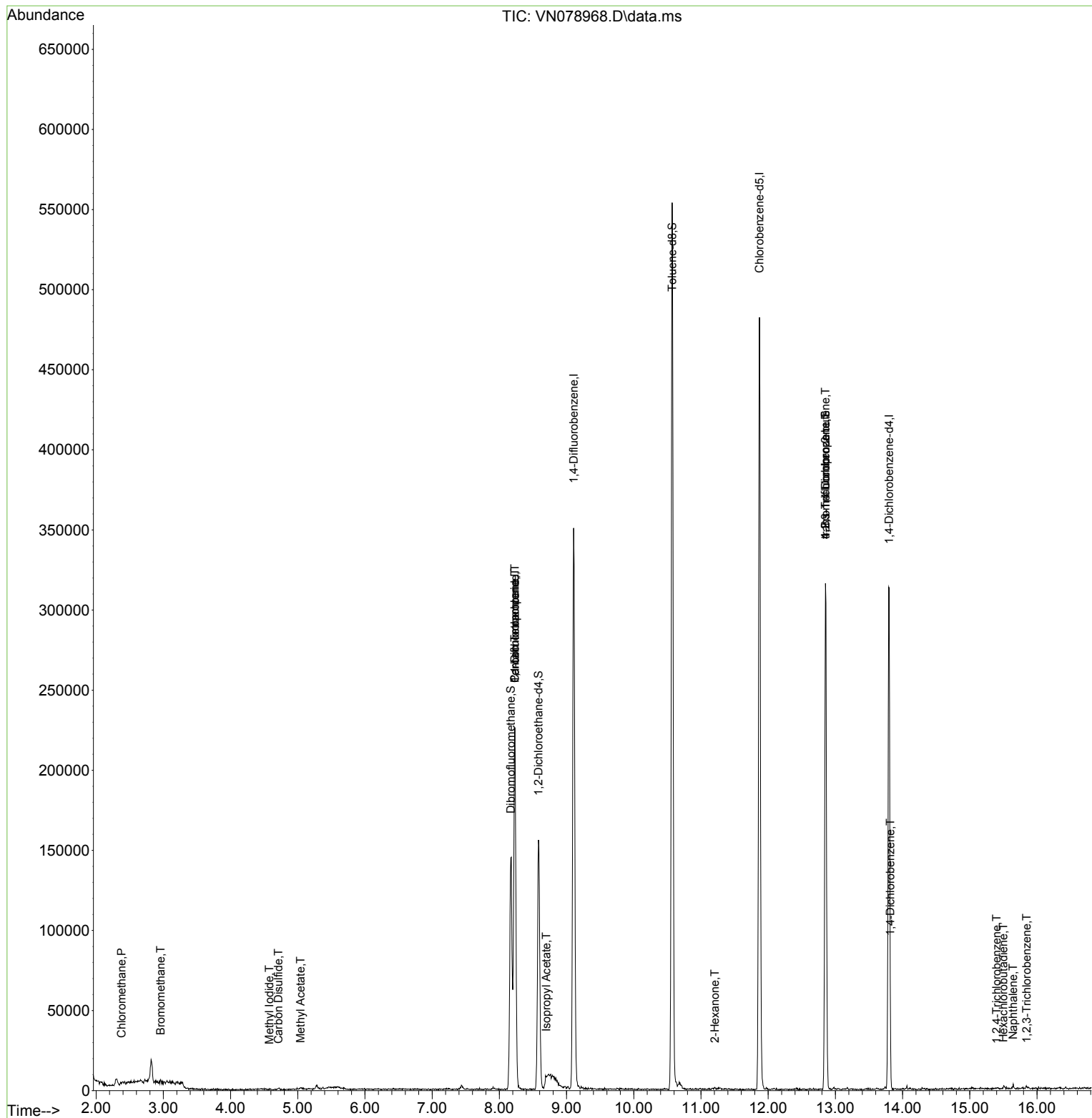
Target Compounds			Qvalue			
3) Chloromethane	2.377	50	1057	0.336	ug/l #	83
5) Bromomethane	2.959	94	698	0.441	ug/l #	63
10) Methyl Iodide	4.577	142	422	0.211	ug/l #	38
17) Carbon Disulfide	4.712	76	1865	0.382	ug/l #	75
18) Methyl Acetate	5.041	43	1522	0.346	ug/l #	49
31) Cyclohexane	8.229	56	4531	Below Cal	#	37
36) 1,1-Dichloropropene	8.229	75	14329	4.742	ug/l #	44
38) Carbon Tetrachloride	8.229	117	17514	5.785	ug/l #	16
43) Isopropyl Acetate	8.700	43	5909	0.989	ug/l #	49
59) 2-Hexanone	11.206	43	722	0.281	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	59434	29.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59434	75.958	ug/l #	15
88) 1,4-Dichlorobenzene	13.817	146	659	0.230	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.400	180	366	0.363	ug/l #	33
94) Hexachlorobutadiene	15.500	225	435	0.535	ug/l	76
95) Naphthalene	15.647	128	1732	3.004	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.847	180	493	0.446	ug/l #	90

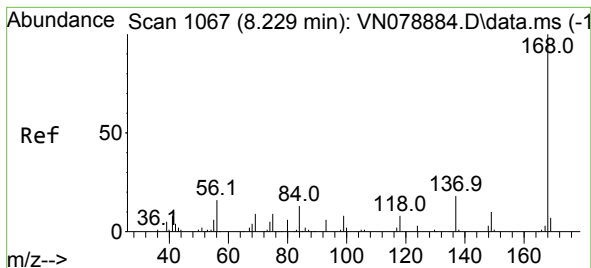
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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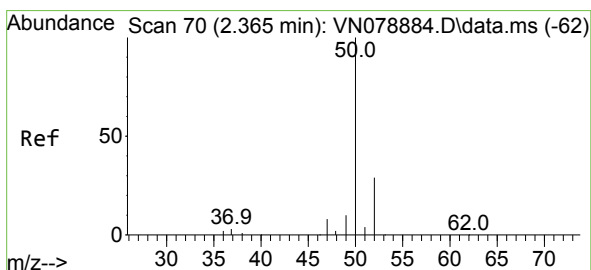
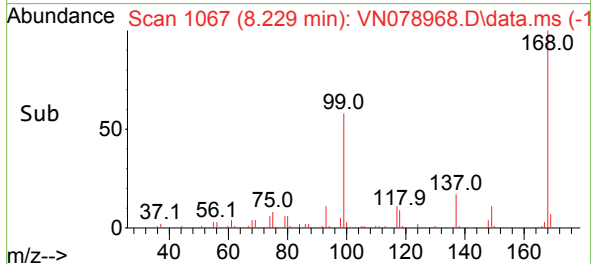
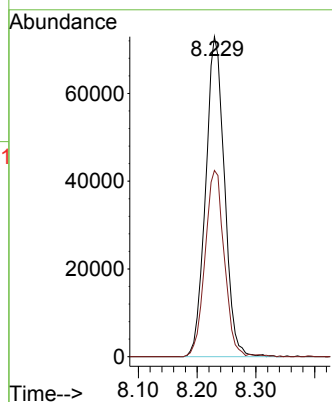
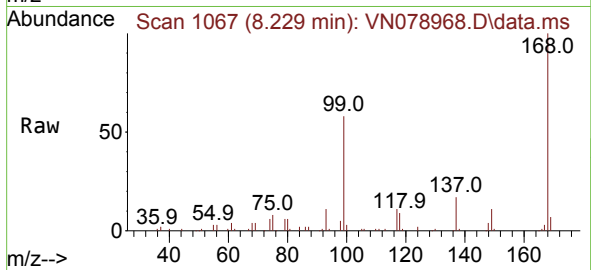




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

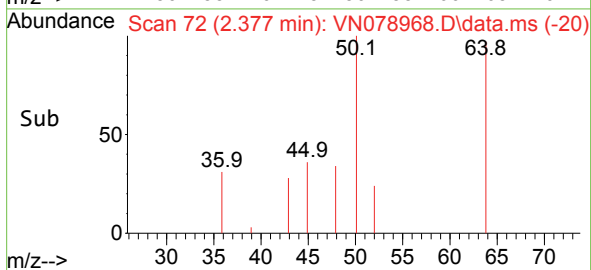
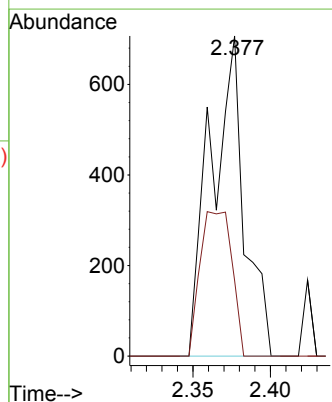
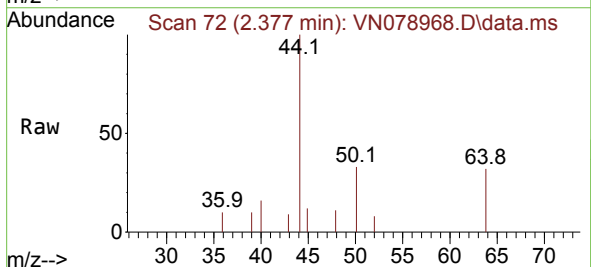
Instrument :
MSVOA_N
ClientSampleId :

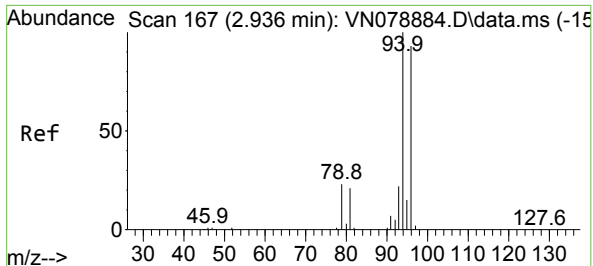
Tgt Ion:168 Resp: 162370
Ion Ratio Lower Upper
168 100
99 58.2 53.0 79.6



#3
Chloromethane
Concen: 0.336 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Tgt Ion: 50 Resp: 1057
Ion Ratio Lower Upper
50 100
52 23.6 26.5 39.7#

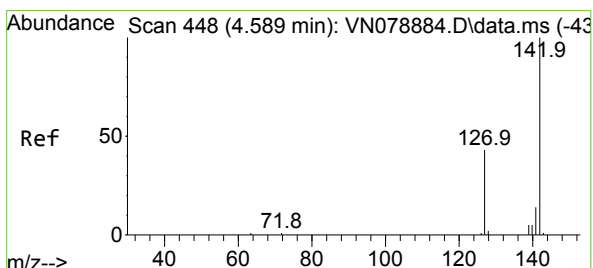
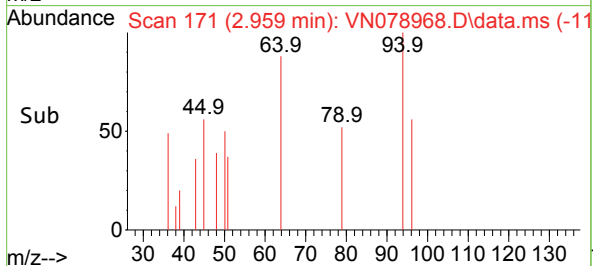
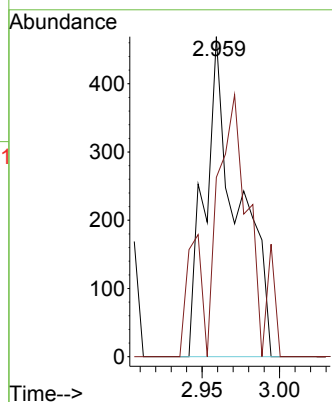
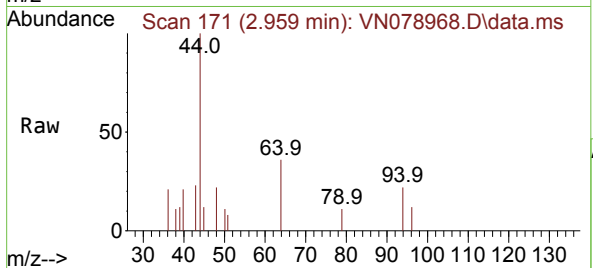




#5
Bromomethane
Concen: 0.441 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

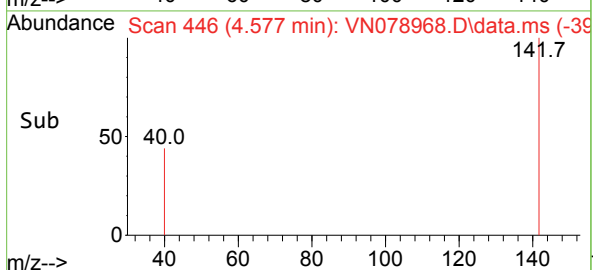
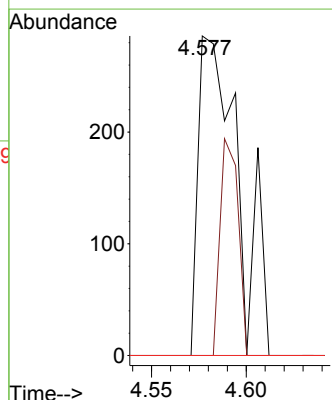
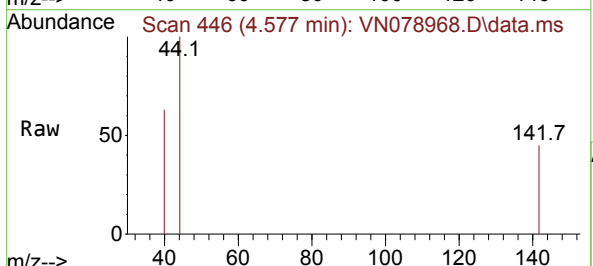
Instrument :
MSVOA_N
ClientSampleId :

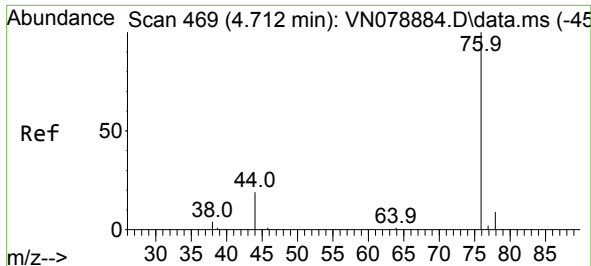
Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 56.1 73.1 109.7#



#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.023 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

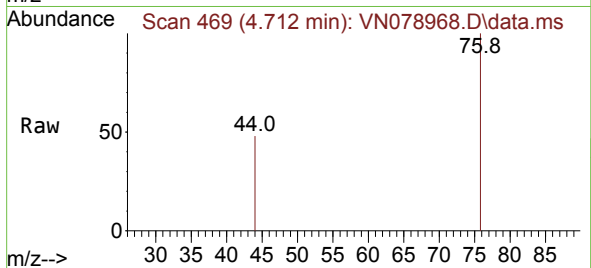
Tgt Ion: 142 Resp: 422
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



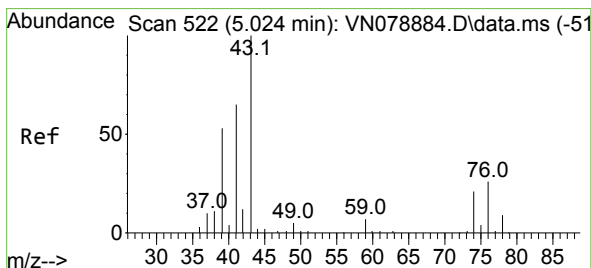
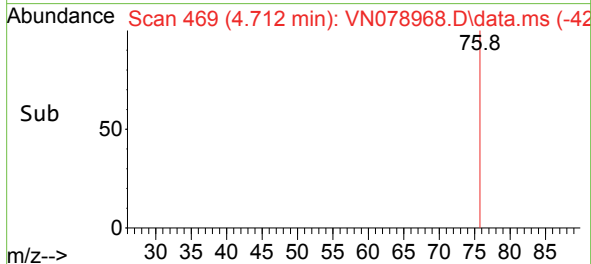
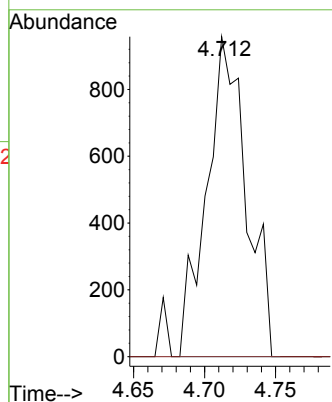


#17
Carbon Disulfide
Concen: 0.382 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

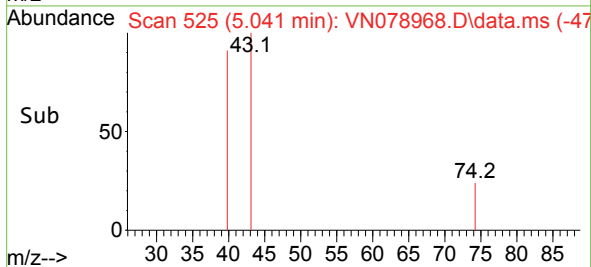
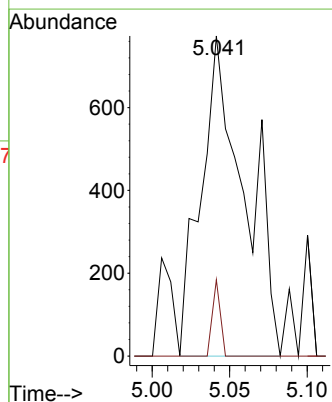
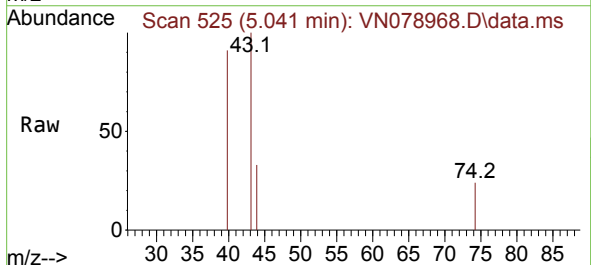


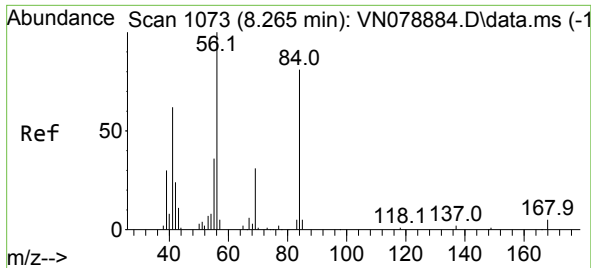
Tgt Ion: 76 Resp: 1865
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

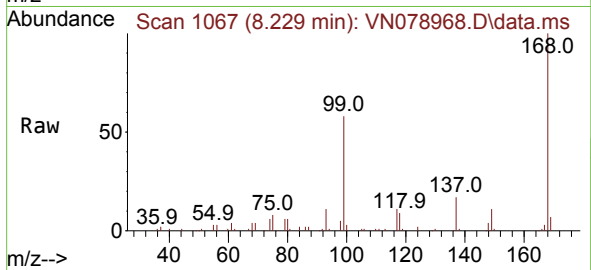
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#



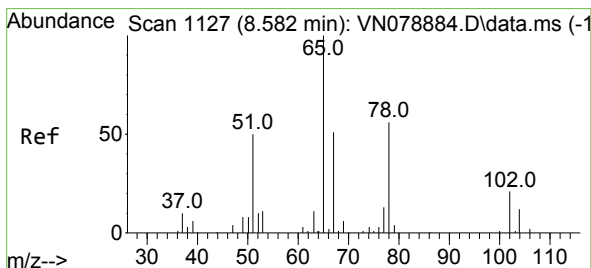
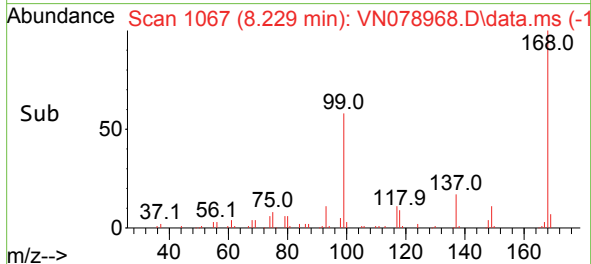
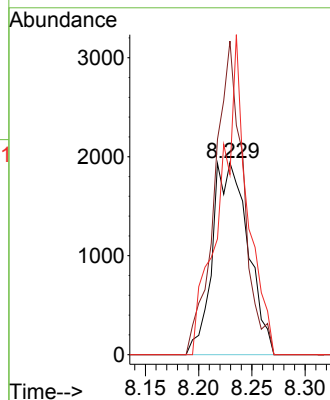


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

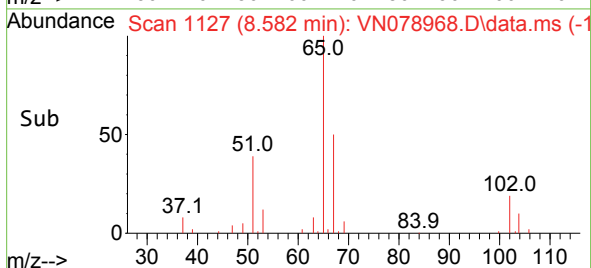
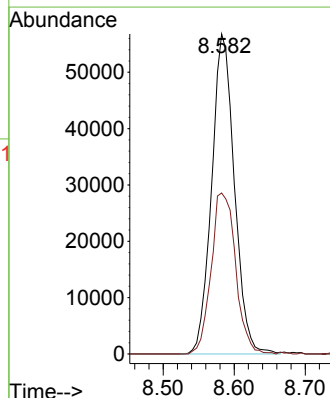
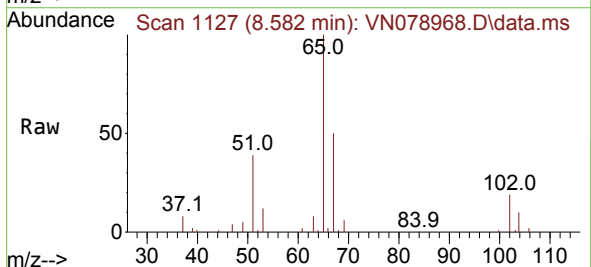


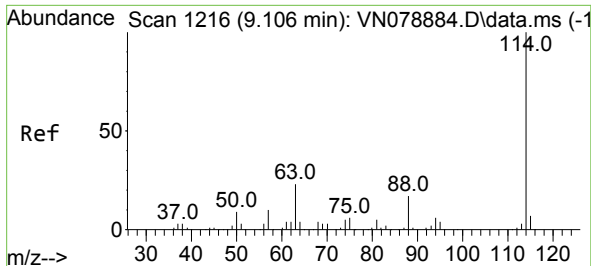
Tgt Ion: 56 Resp: 4531
Ion Ratio Lower Upper
56 100
69 163.3 26.8 40.2#
84 93.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.964 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Tgt Ion: 65 Resp: 126240
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

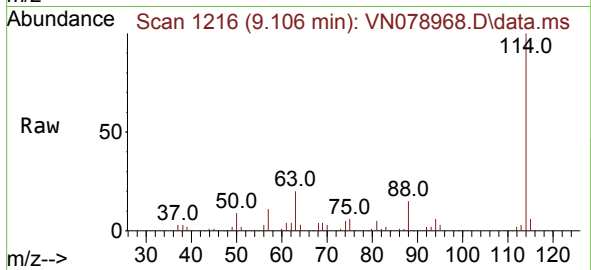
Lab File: VN078968.D

Acq: 21 Aug 2023 12:19

Instrument :

MSVOA_N

ClientSampleId :



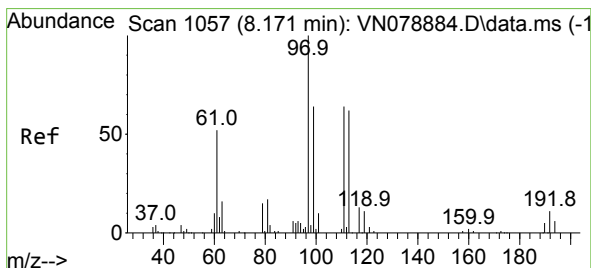
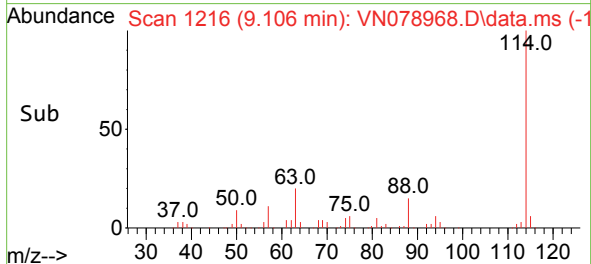
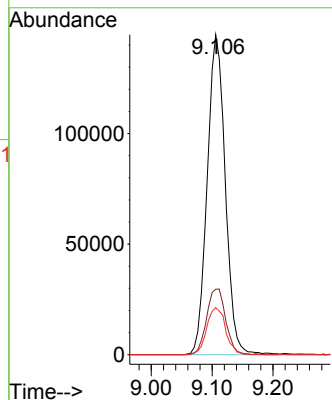
Tgt Ion:114 Resp: 298393

Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.533 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078968.D

Acq: 21 Aug 2023 12:19

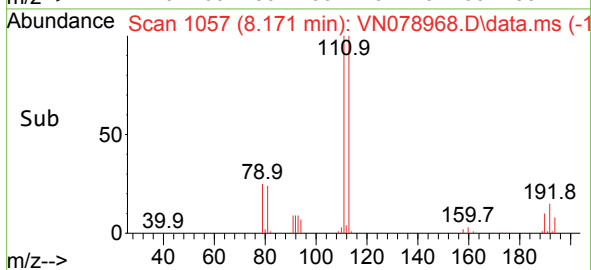
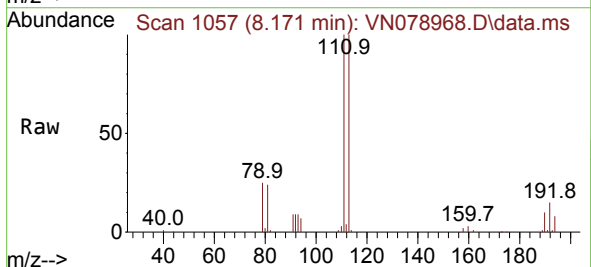
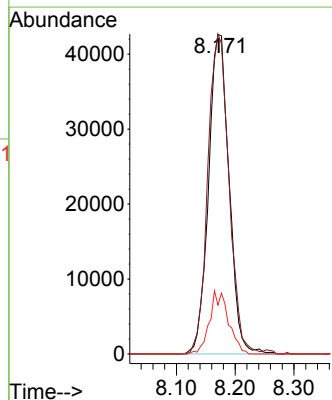
Tgt Ion:113 Resp: 103511

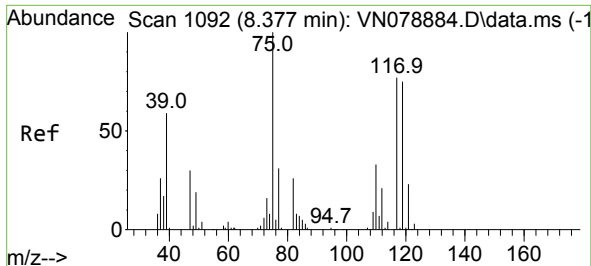
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

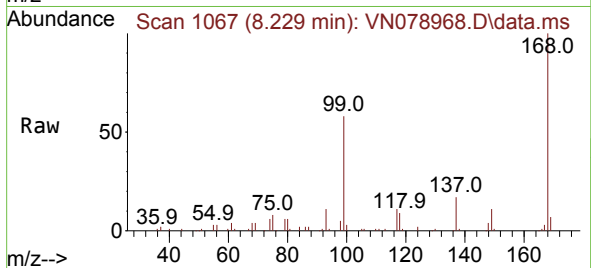
192 18.2 12.7 19.1



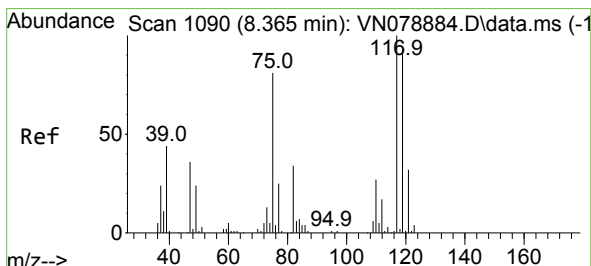
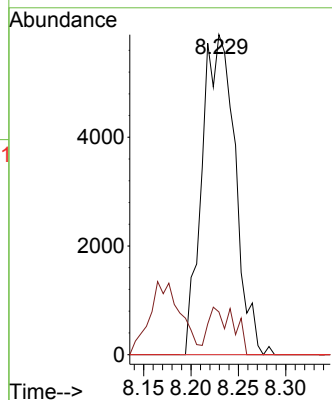
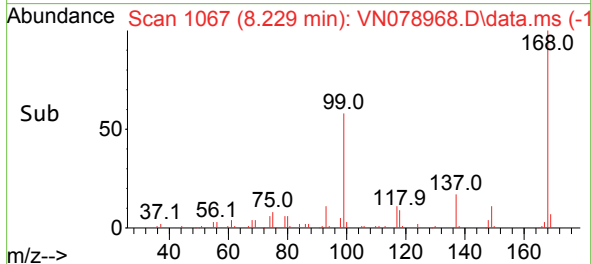


#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.148 min
 Lab File: VN078968.D
 Acq: 21 Aug 2023 12:19

Instrument :
 MSVOA_N
 ClientSampleId :

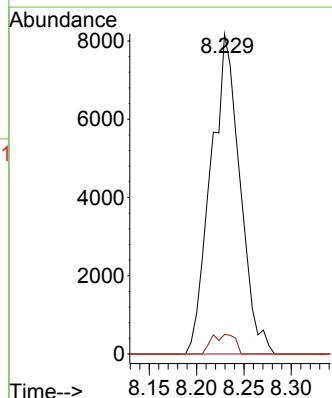
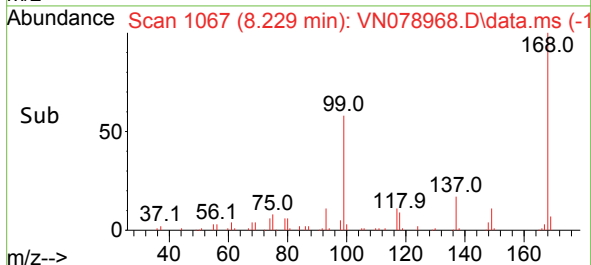
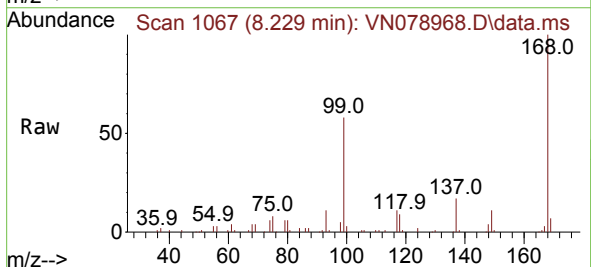


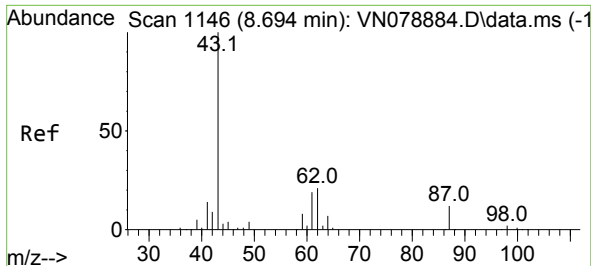
Tgt Ion: 75 Resp: 14329
 Ion Ratio Lower Upper
 75 100
 110 5.0 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.785 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.142 min
 Lab File: VN078968.D
 Acq: 21 Aug 2023 12:19

Tgt Ion: 117 Resp: 17514
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.3 115.9#
 121 0.0 23.3 34.9#

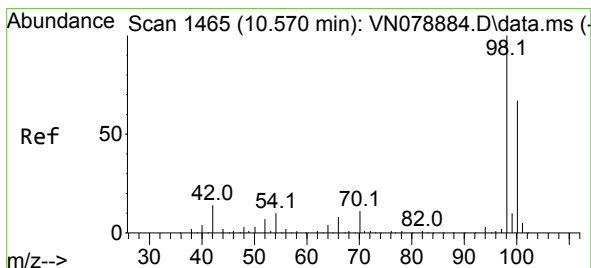
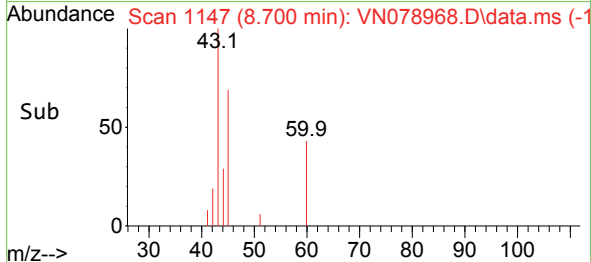
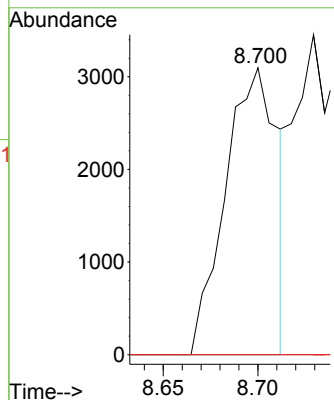
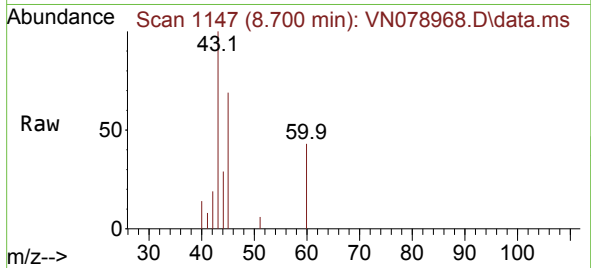




#43
Isopropyl Acetate
Concen: 0.989 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

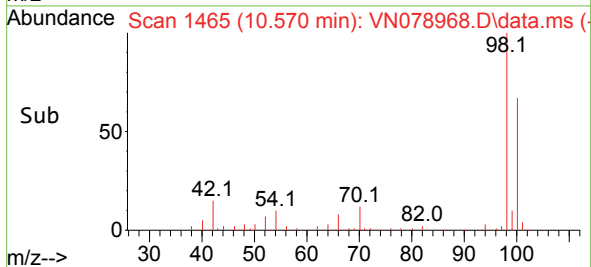
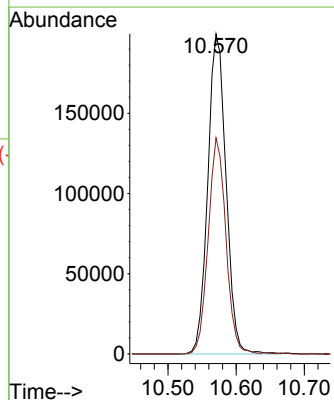
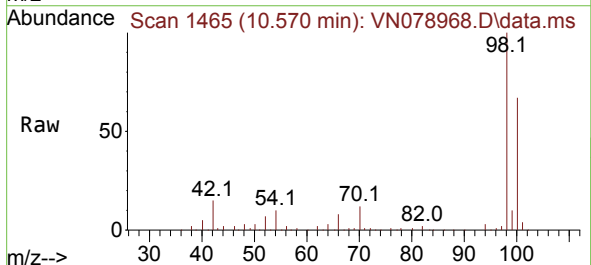
Instrument :
MSVOA_N
ClientSampleId :

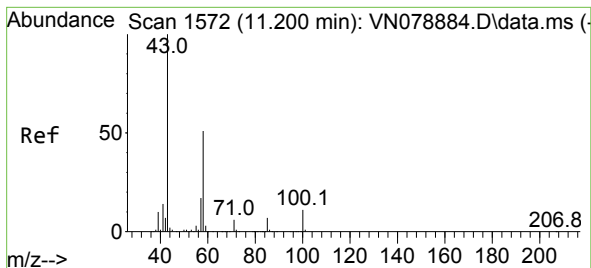
Tgt Ion: 43 Resp: 5909
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.863 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

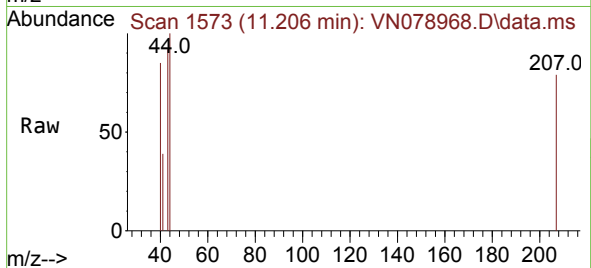
Tgt Ion: 98 Resp: 371889
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



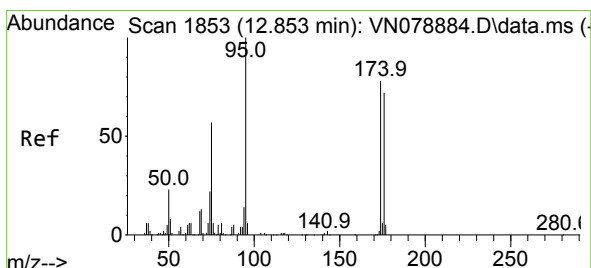
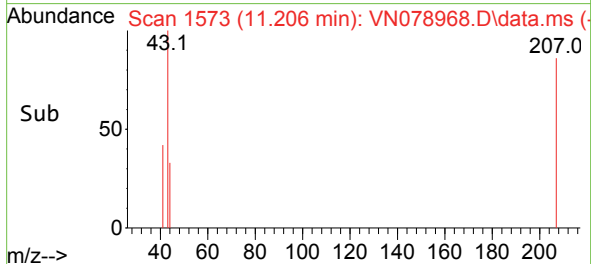
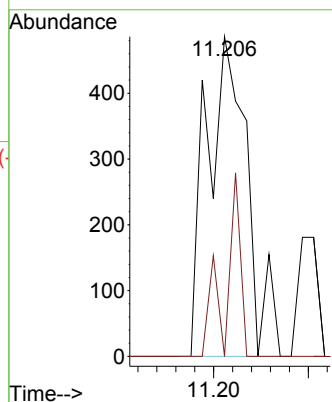


#59
2-Hexanone
Concen: 0.281 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

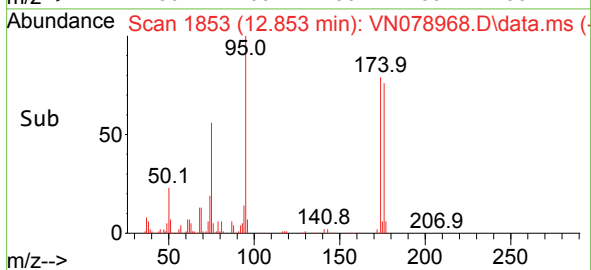
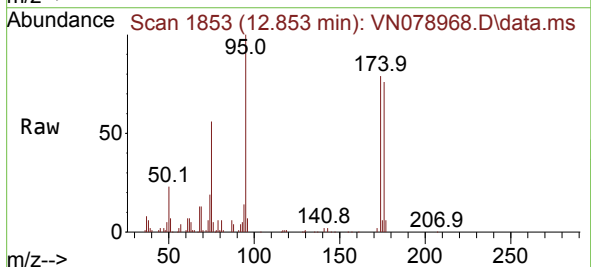
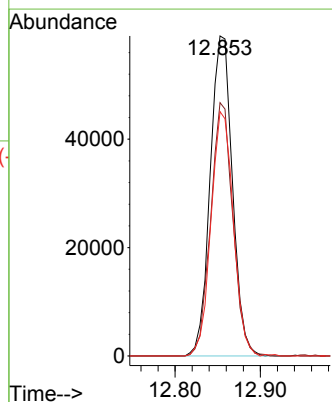


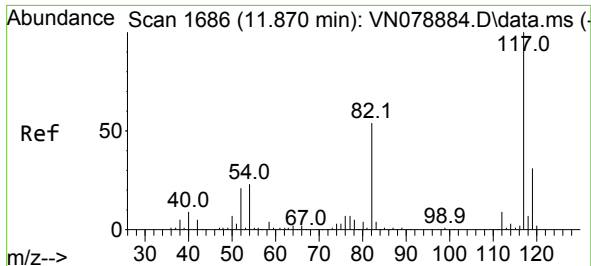
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 21.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 43.859 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Tgt Ion: 95 Resp: 106920
Ion Ratio Lower Upper
95 100
174 78.9 0.0 143.8
176 76.6 0.0 135.8

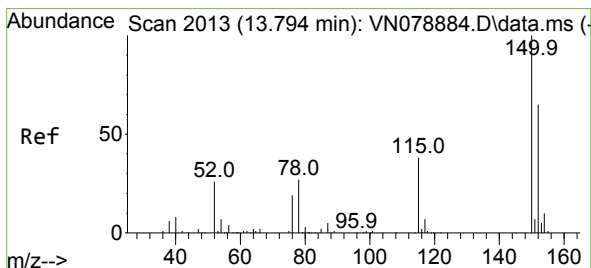
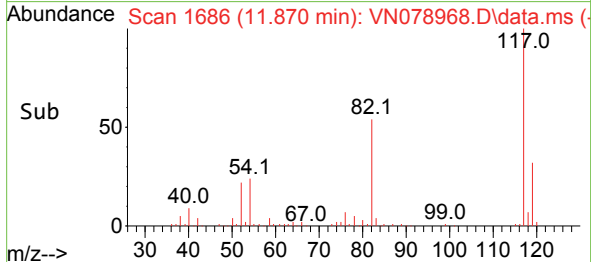
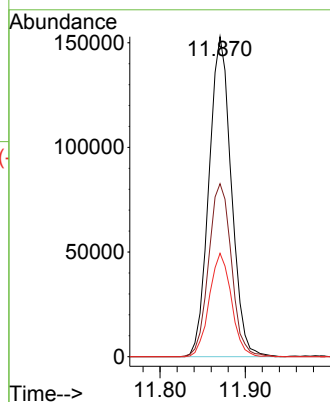
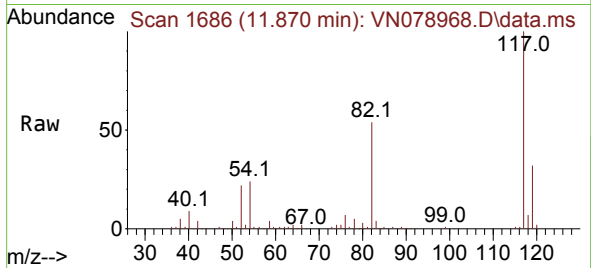




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

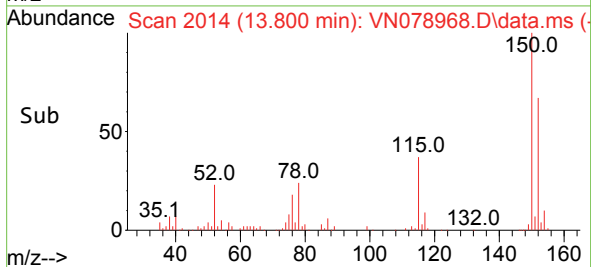
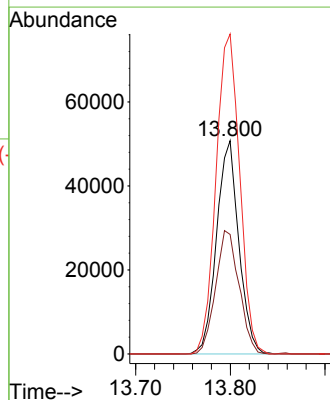
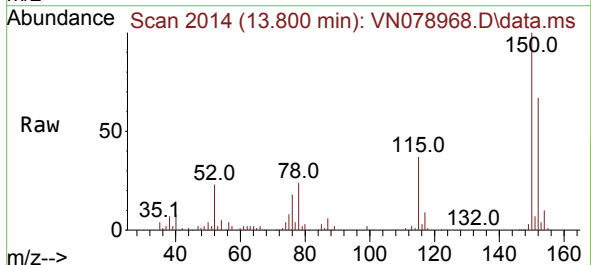
Instrument :
MSVOA_N
ClientSampleId :

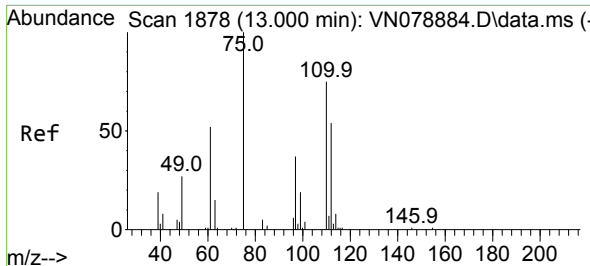
Tgt Ion:117 Resp: 279400
Ion Ratio Lower Upper
117 100
82 54.1 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Tgt Ion:152 Resp: 82956
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 159.4 0.0 355.8

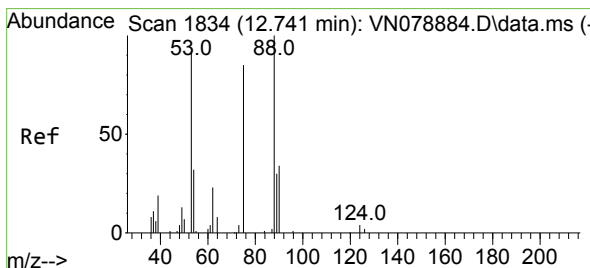
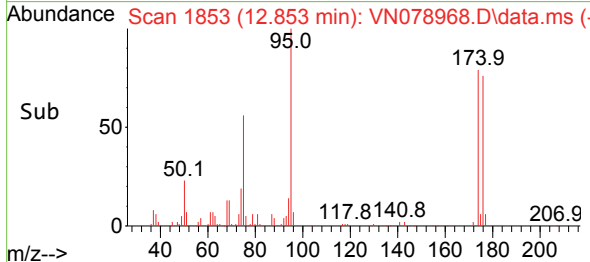
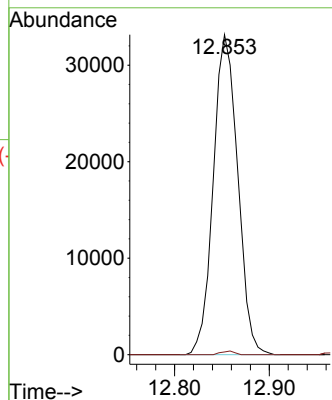
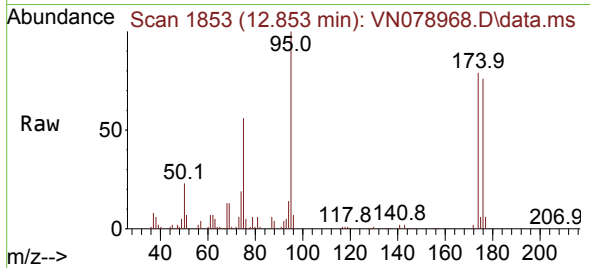




#76
1,2,3-Trichloropropane
Concen: 29.734 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

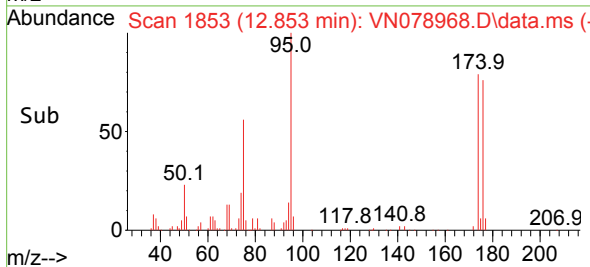
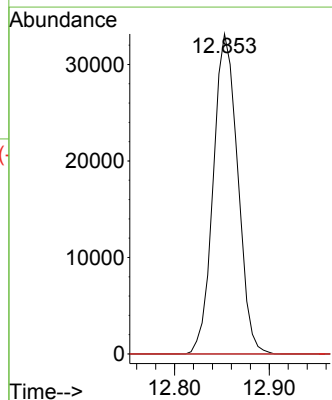
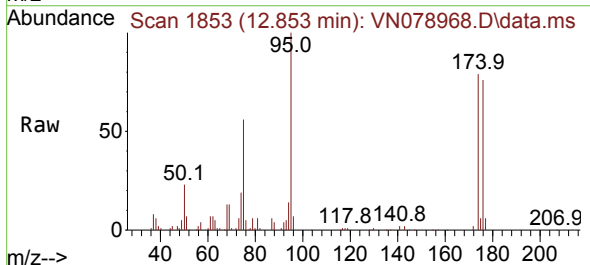
Instrument :
MSVOA_N
ClientSampleId :

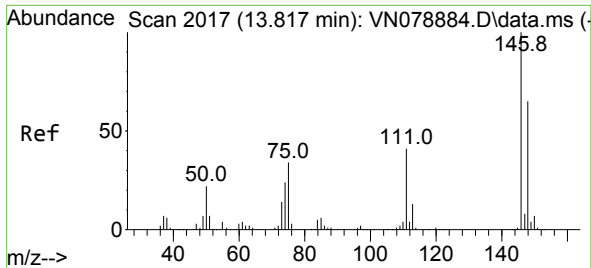
Tgt Ion: 75 Resp: 59434
Ion Ratio Lower Upper
75 100
77 0.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.958 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

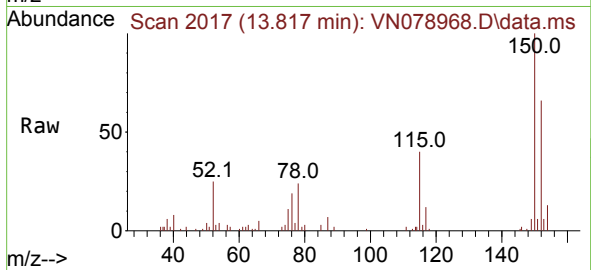
Tgt Ion: 75 Resp: 59434
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



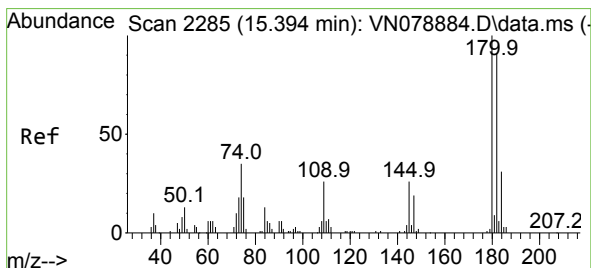
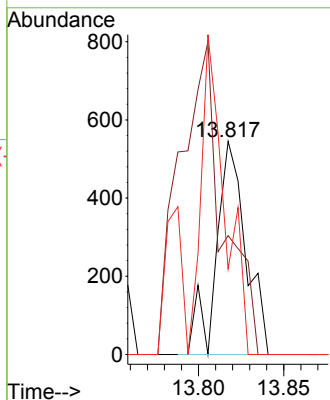
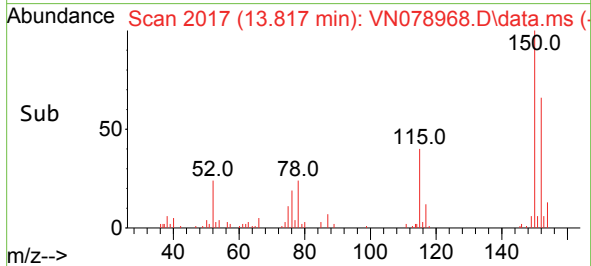


#88
1,4-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

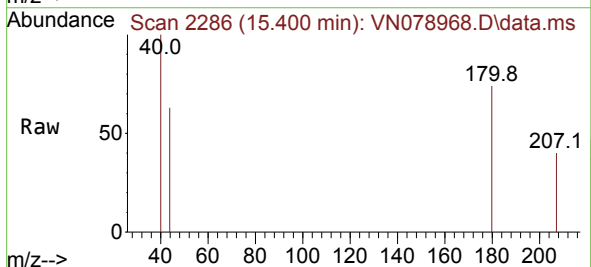
Instrument :
MSVOA_N
ClientSampleId :



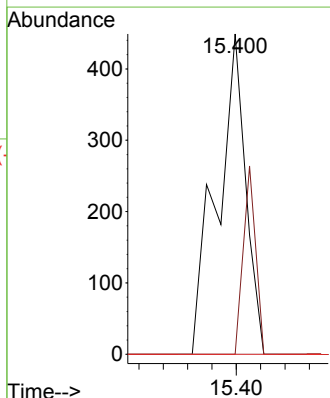
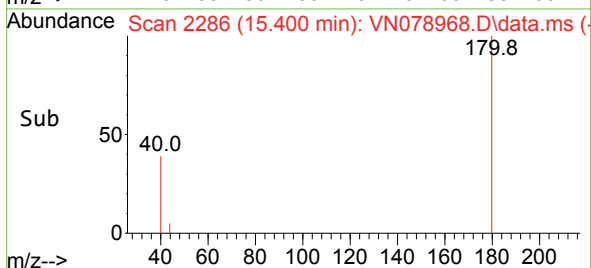
Tgt Ion:146 Resp: 659
Ion Ratio Lower Upper
146 100
111 212.3 20.6 61.8#
148 119.9 31.6 94.8#

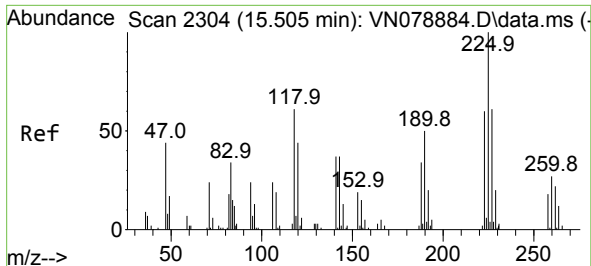


#93
1,2,4-Trichlorobenzene
Concen: 0.363 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19



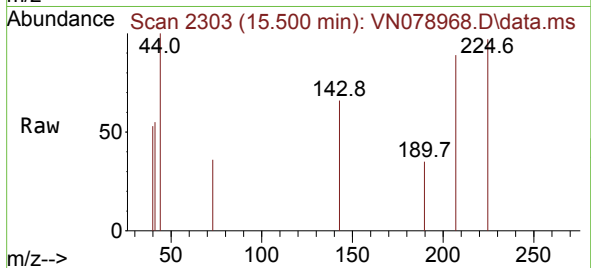
Tgt Ion:180 Resp: 366
Ion Ratio Lower Upper
180 100
182 25.4 46.1 138.2#
145 0.0 16.6 49.8#



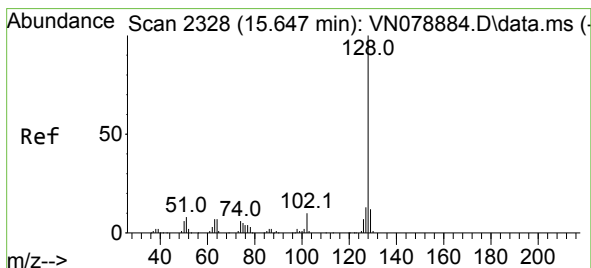
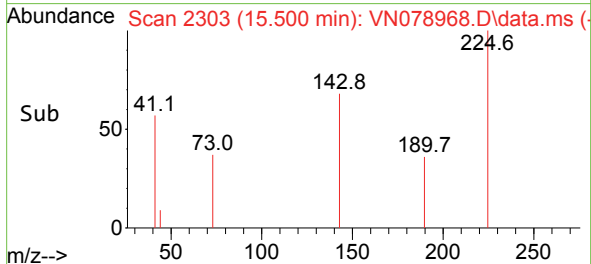
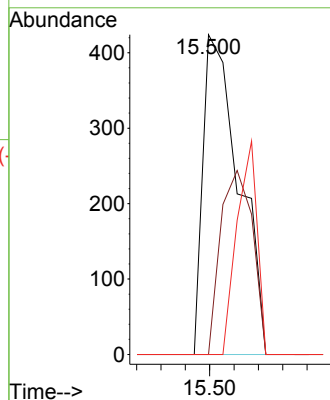


#94
Hexachlorobutadiene
Concen: 0.535 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

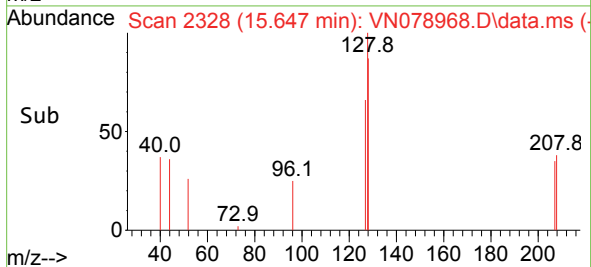
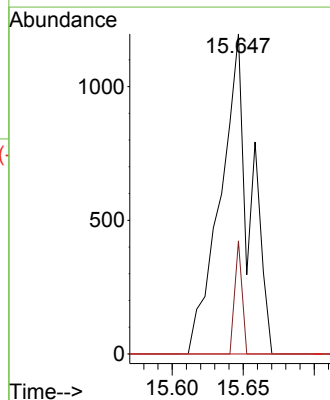
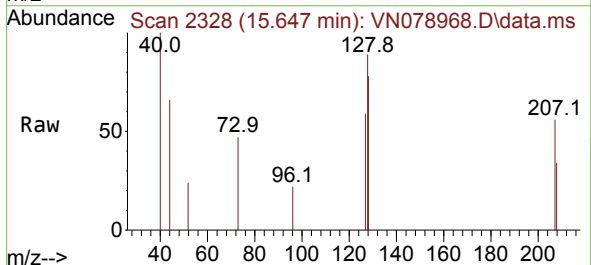


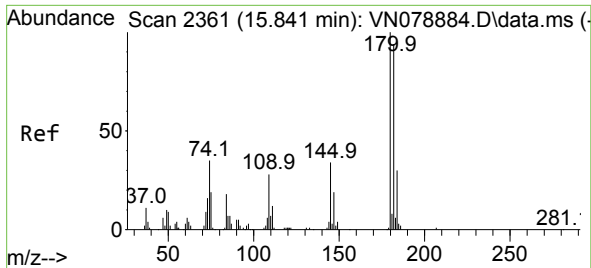
Tgt Ion:	225	Resp:	435
Ion	Ratio	Lower	Upper
225	100		
223	51.0	31.3	93.8
227	37.5	31.9	95.9



#95
Naphthalene
Concen: 3.004 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078968.D
Acq: 21 Aug 2023 12:19

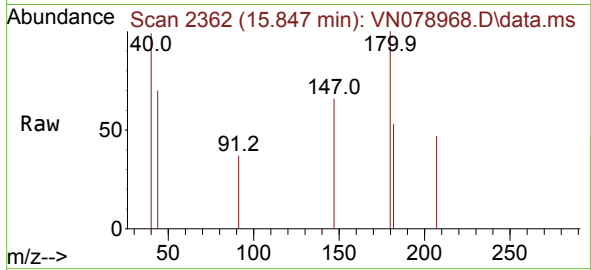
Tgt Ion:	128	Resp:	1732
Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.0	15.0#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.446 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078968.D
 Acq: 21 Aug 2023 12:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 493
 Ion Ratio Lower Upper
 180 100
 182 93.9 46.2 138.6
 145 16.6 17.5 52.6#

