

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078317.D
 Acq On : 21 Jun 2023 12:59
 Operator : JC\MD
 Sample : VN0621WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBL01

Quant Time: Jun 22 04:46:53 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)

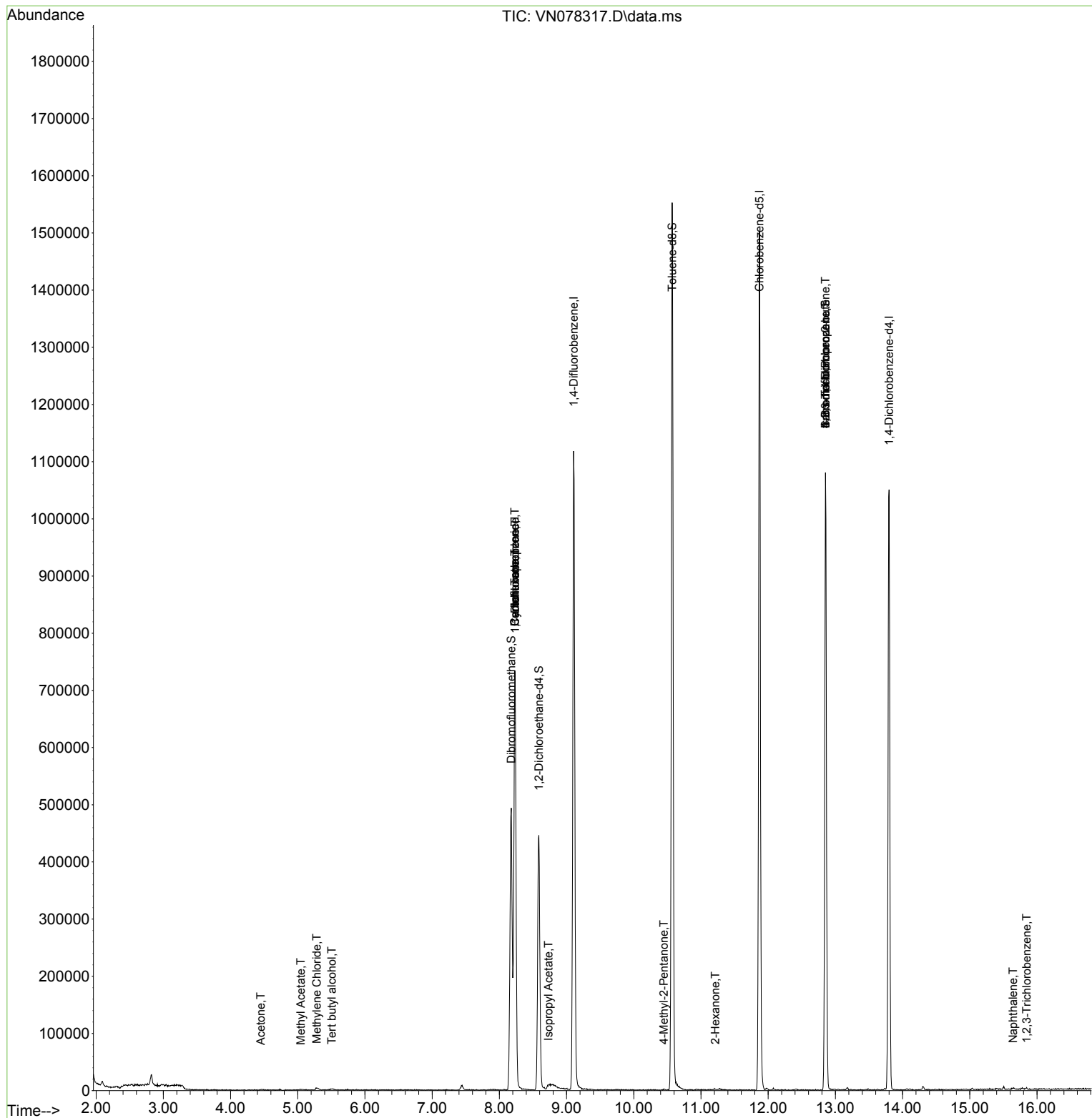
Internal Standards						
1) Pentafluorobenzene	8.230	168	528182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	987912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	884458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	293449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	377482	53.602	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.200%	
35) Dibromofluoromethane	8.177	113	351115	56.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.420%	
50) Toluene-d8	10.571	98	1106549	45.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.900%	
62) 4-Bromofluorobenzene	12.853	95	383216	51.190	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	956	Below Cal	#	78
11) Tert butyl alcohol	5.506	59	667	0.686	ug/l #	72
16) Acetone	4.448	43	503	0.248	ug/l #	77
18) Methyl Acetate	5.048	43	2224	0.238	ug/l #	51
20) Methylene Chloride	5.283	84	2797	0.418	ug/l #	85
31) Cyclohexane	8.230	56	13846	1.533	ug/l #	58
36) 1,1-Dichloropropene	8.236	75	45029	5.026	ug/l #	48
38) Carbon Tetrachloride	8.230	117	57185	6.045	ug/l #	17
43) Isopropyl Acetate	8.730	43	4297	0.321	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1436	0.204	ug/l #	31
59) 2-Hexanone	11.212	43	1347	0.274	ug/l	68
71) Bromoform	12.853	173	2591	0.576	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	310	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.853	75	207407	29.898	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	207407	91.855	ug/l #	15
94) Hexachlorobutadiene	15.506	225	719	Below Cal		77
95) Naphthalene	15.647	128	3022	0.237	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	990	0.233	ug/l	60

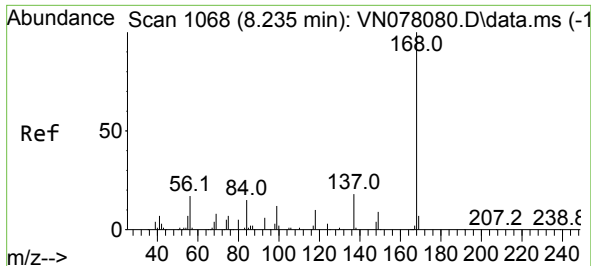
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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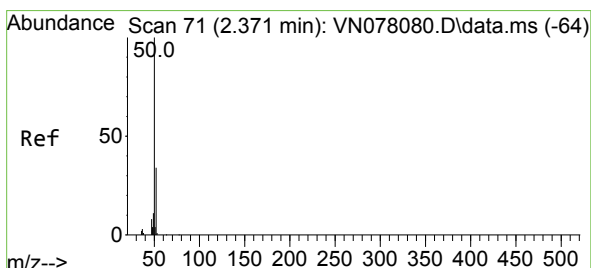
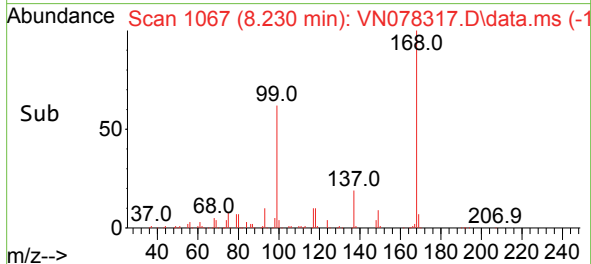
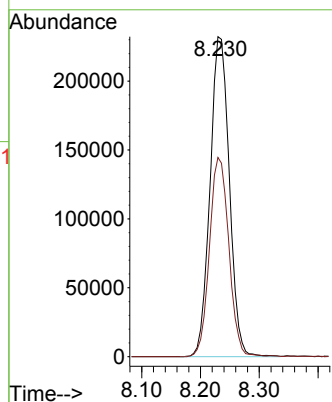
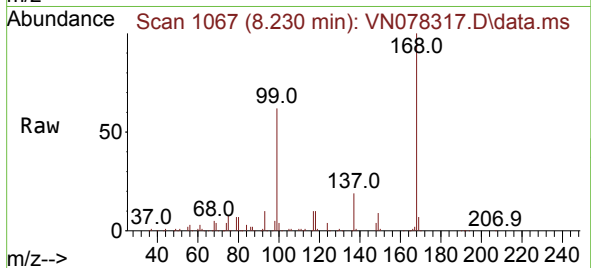




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.005 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

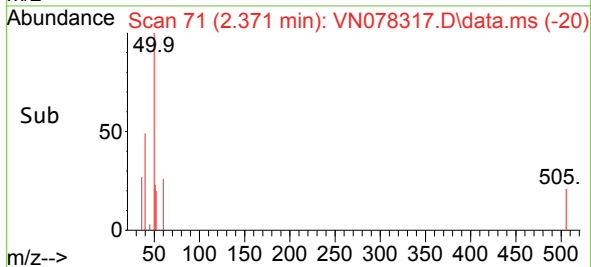
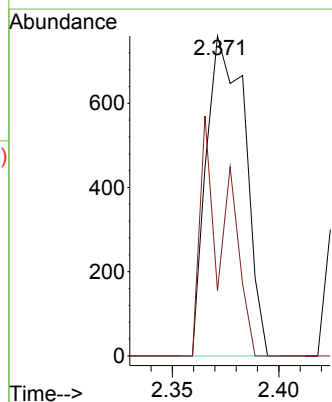
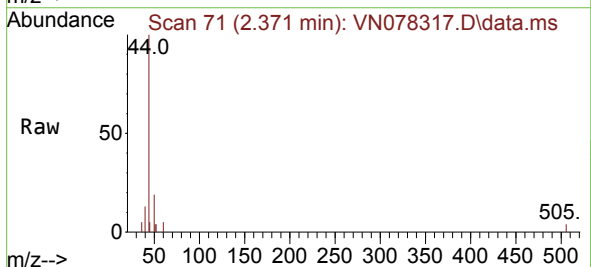
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

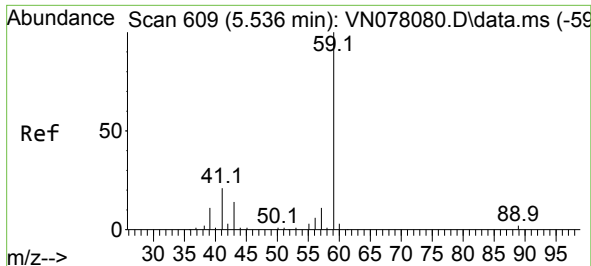
Tgt Ion:168 Resp: 528182
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 50 Resp: 956
Ion Ratio Lower Upper
50 100
52 20.4 26.5 39.7#

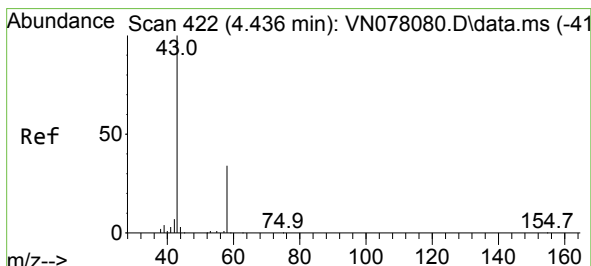
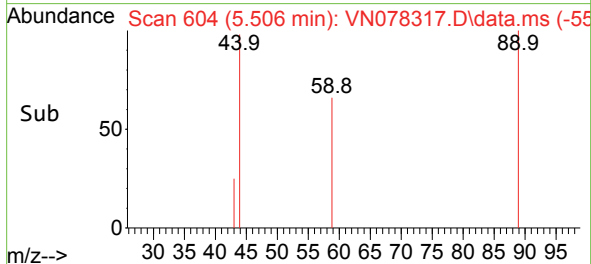
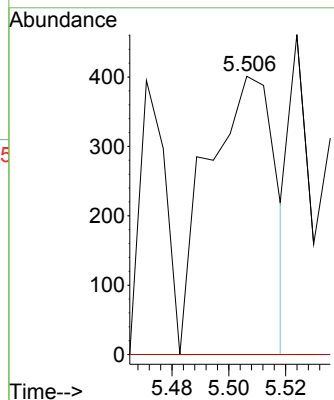
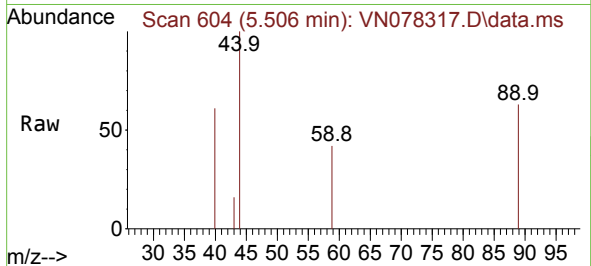




#11
Tert butyl alcohol
Concen: 0.686 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.029 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

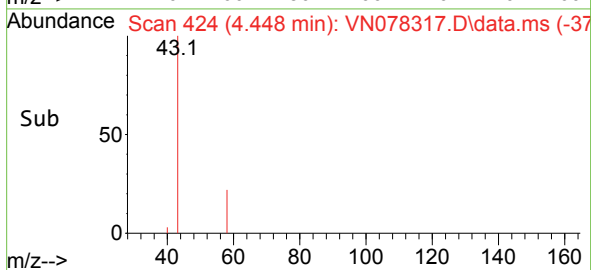
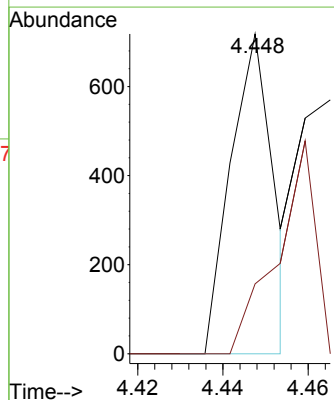
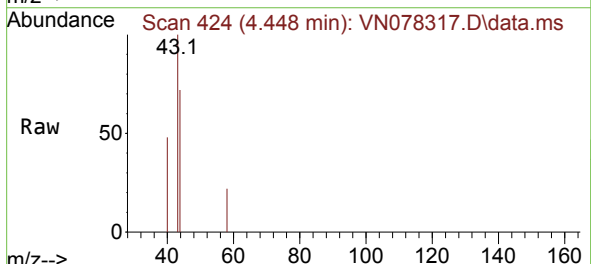
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

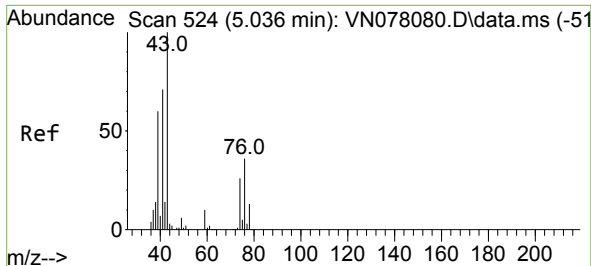
Tgt Ion: 59 Resp: 667
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.248 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 21.9 28.0 42.0#

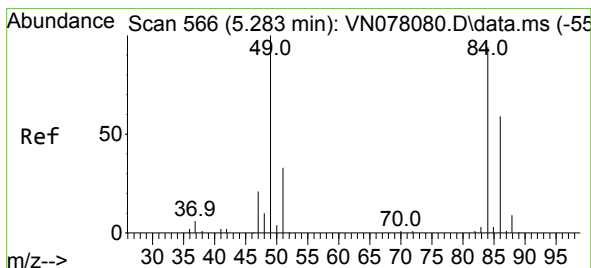
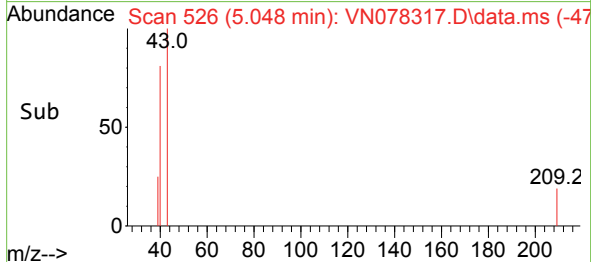
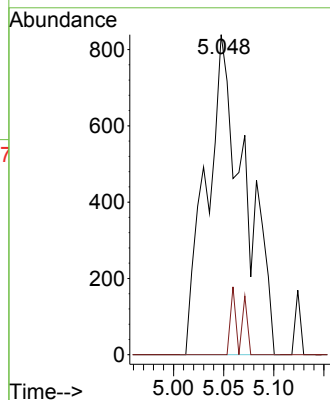
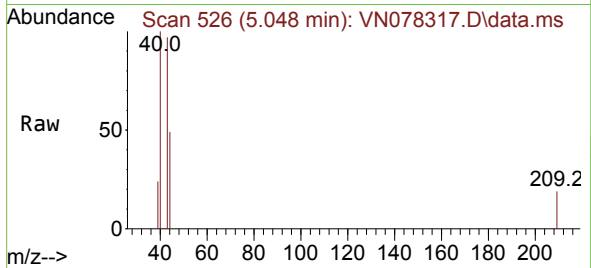




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

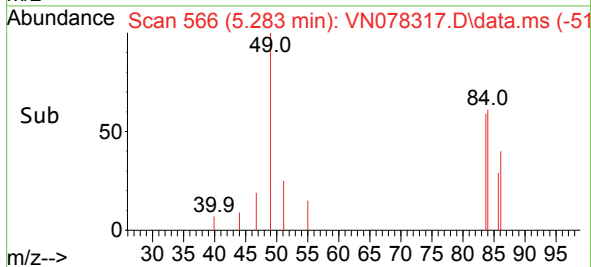
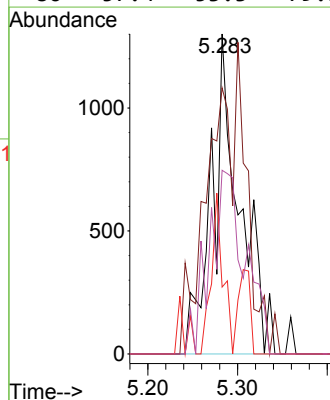
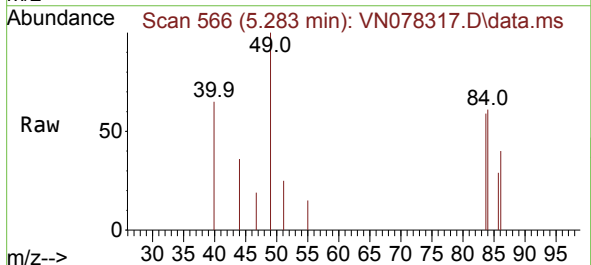
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

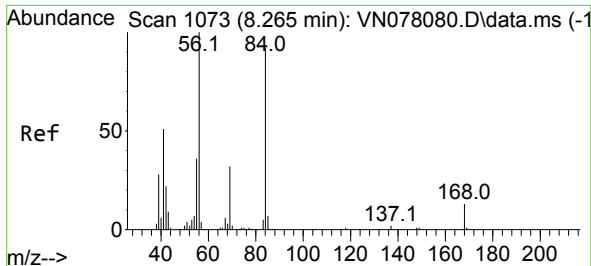
Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
74 5.3 26.2 39.4#



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 84 Resp: 2797
Ion Ratio Lower Upper
84 100
49 83.2 79.7 119.5
51 20.9 25.2 37.8#
86 57.4 53.3 79.9

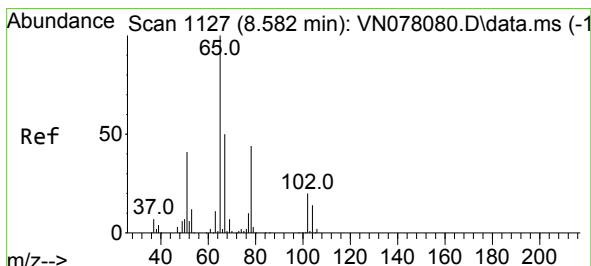
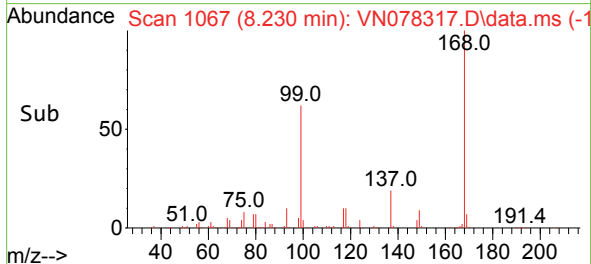
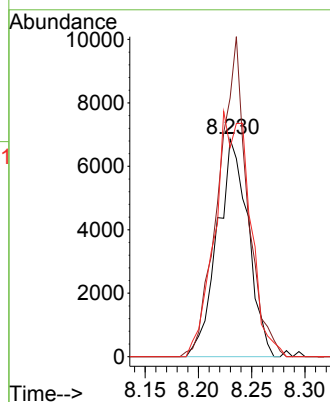
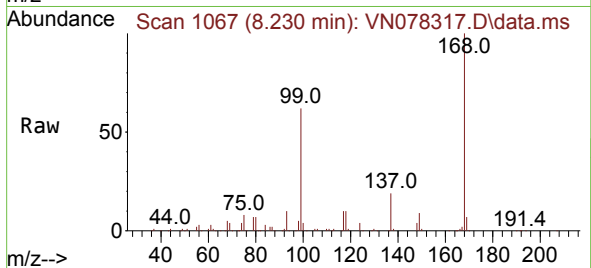




#31
Cyclohexane
Concen: 1.533 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.035 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

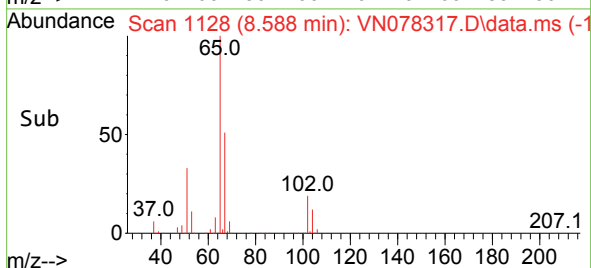
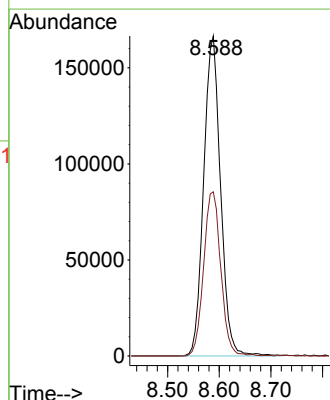
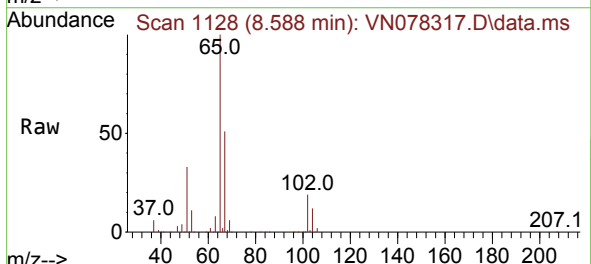
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

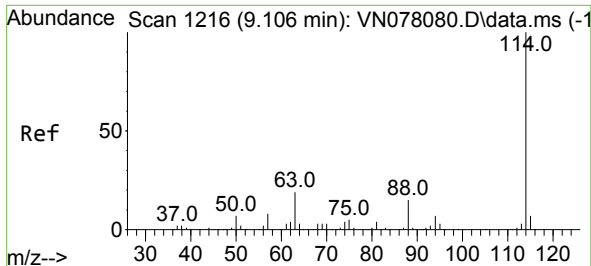
Tgt Ion: 56 Resp: 13846
Ion Ratio Lower Upper
56 100
69 118.9 26.8 40.2#
84 96.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.602 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 65 Resp: 377482
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

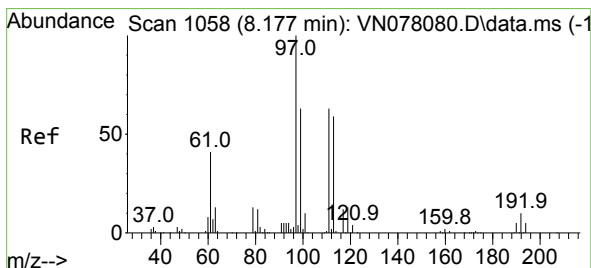
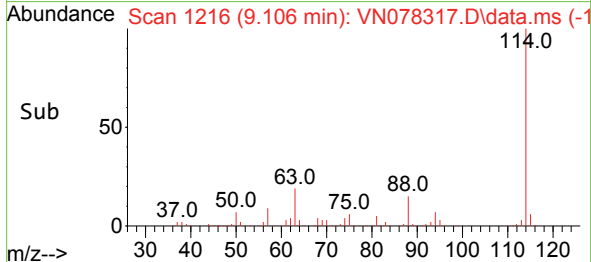
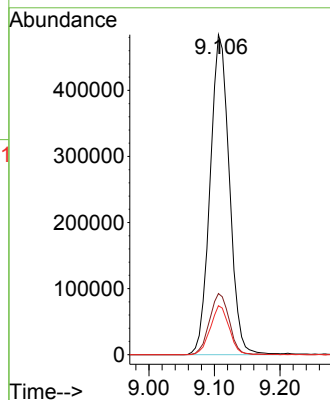
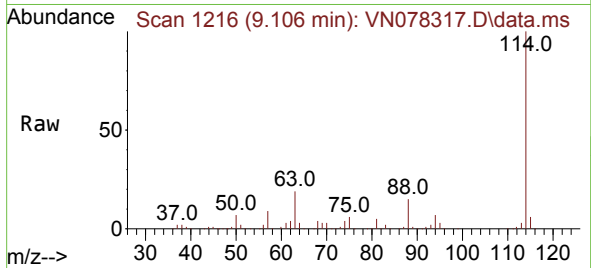




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

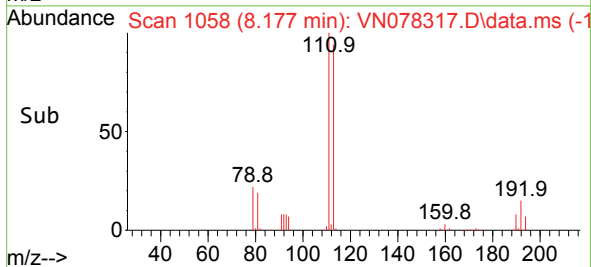
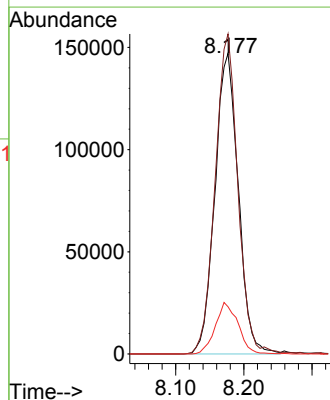
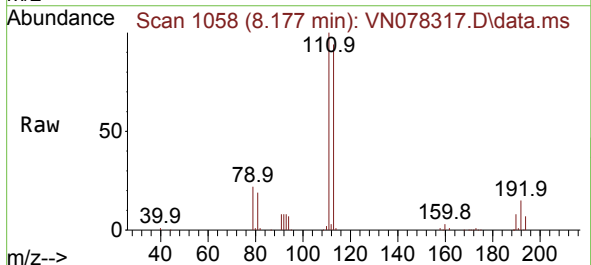
Instrument :
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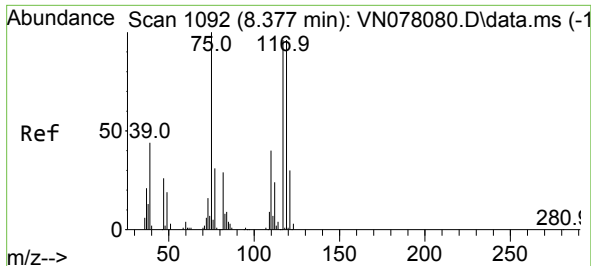
Tgt Ion:114 Resp: 987912
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.210 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion:113 Resp: 351115
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 16.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN078317.D

Acq: 21 Jun 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBL01

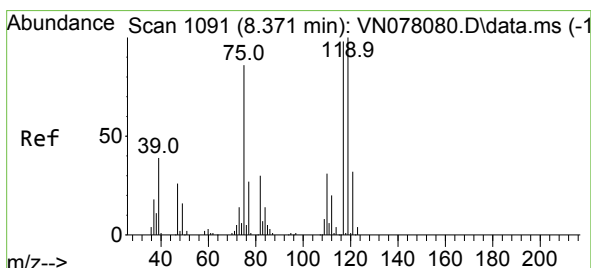
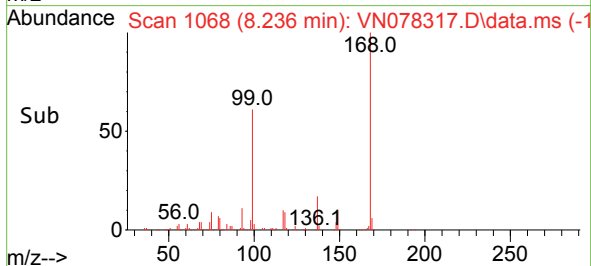
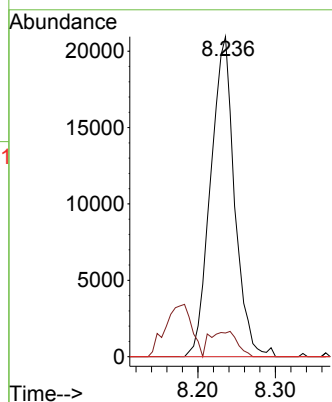
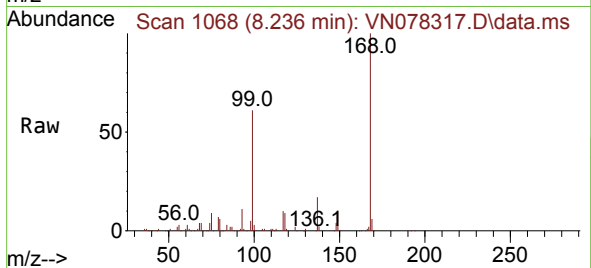
Tgt Ion: 75 Resp: 45029

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078317.D

Acq: 21 Jun 2023 12:59

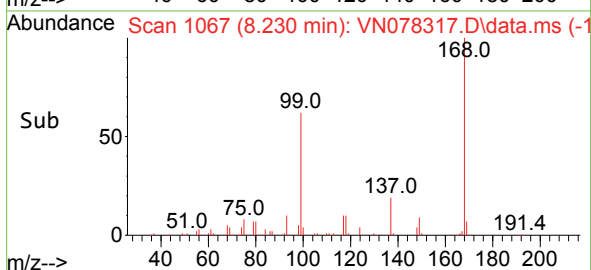
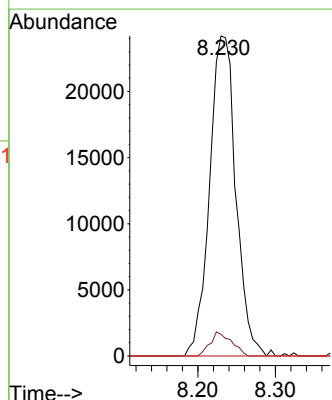
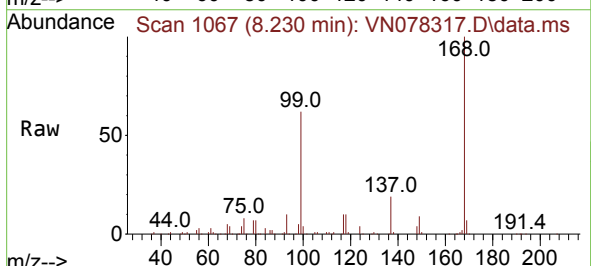
Tgt Ion: 117 Resp: 57185

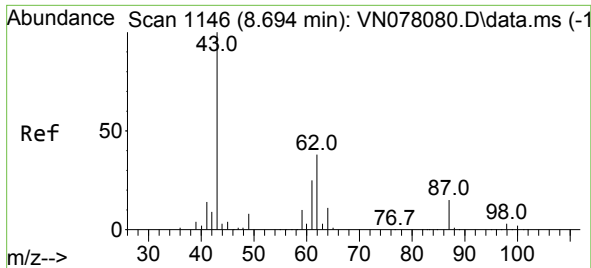
Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

121 0.0 23.3 34.9#

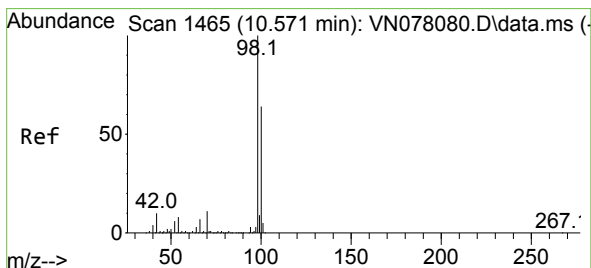
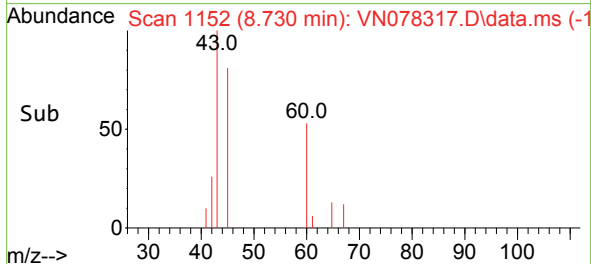
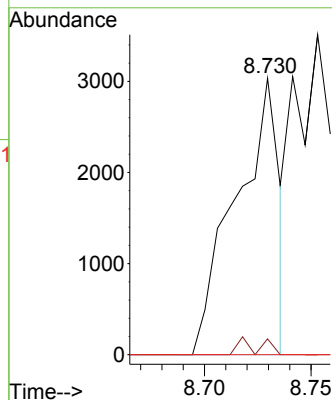
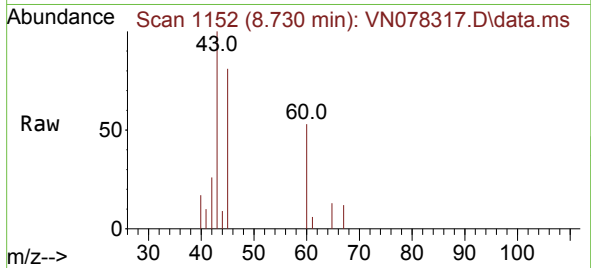




#43
Isopropyl Acetate
Concen: 0.321 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.035 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

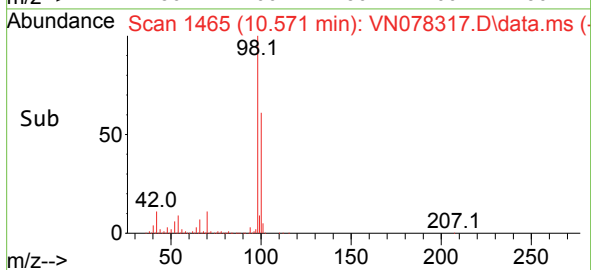
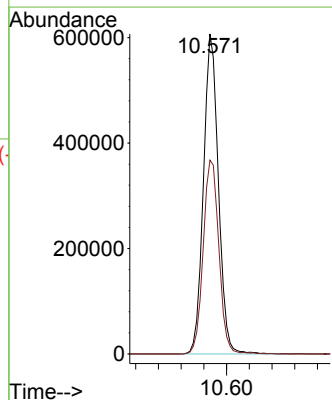
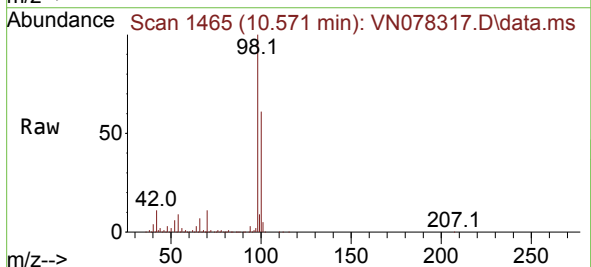
Instrument :
MSVOA_N
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VN0621WBL01

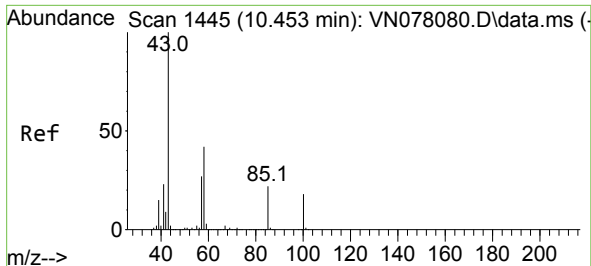
Tgt Ion: 43 Resp: 4297
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.952 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 98 Resp: 1106549
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

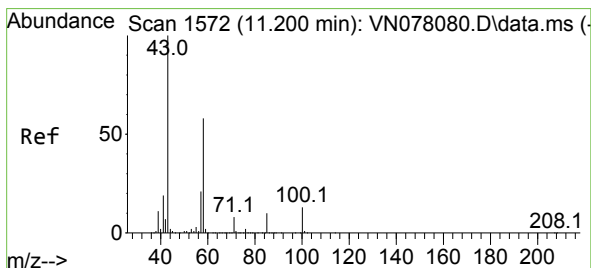
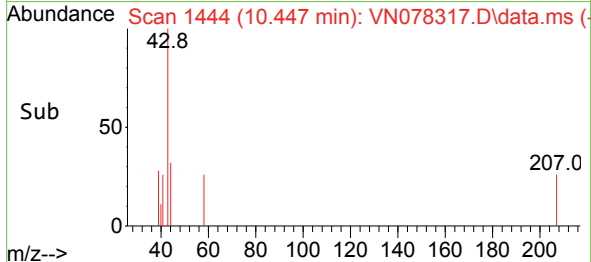
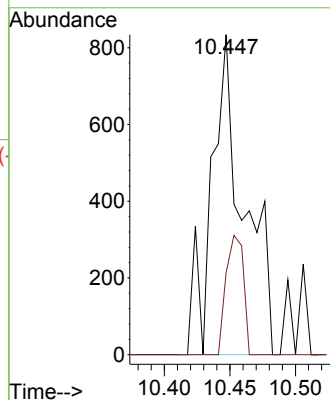
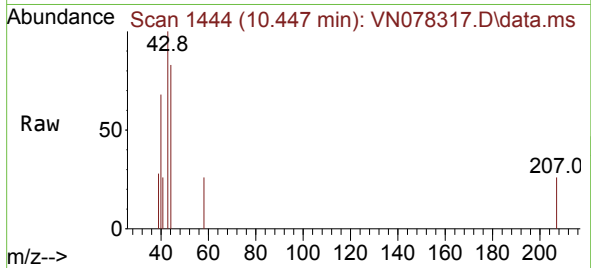




#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

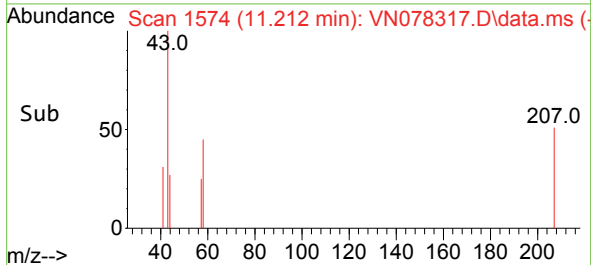
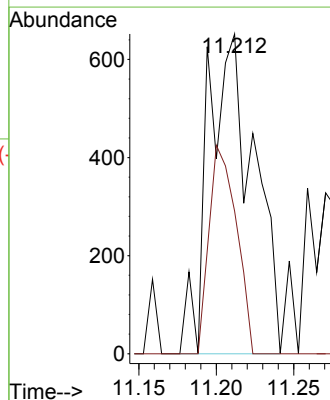
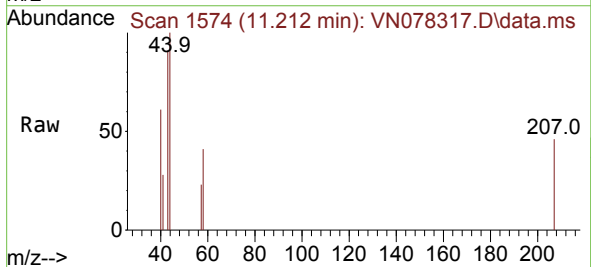
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

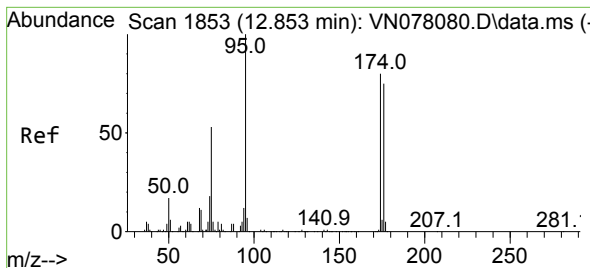
Tgt Ion: 43 Resp: 1436
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.274 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 38.6 31.7 95.1

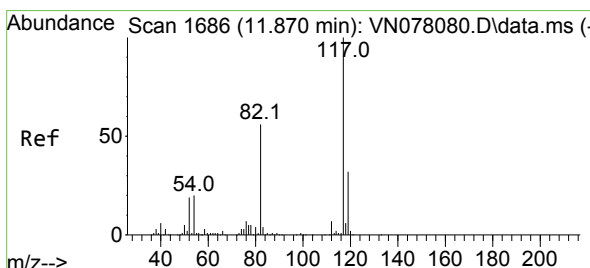
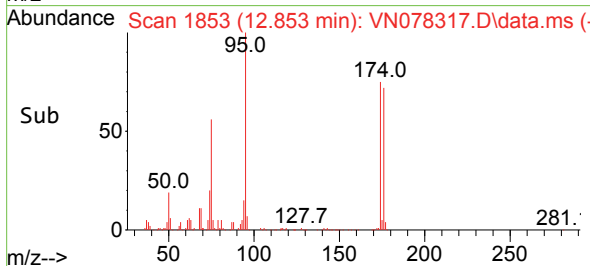
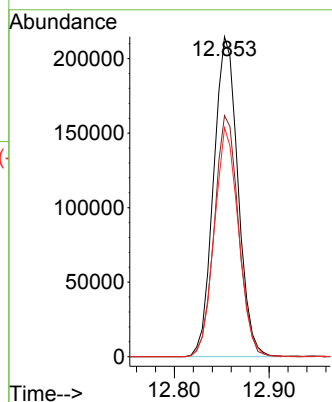
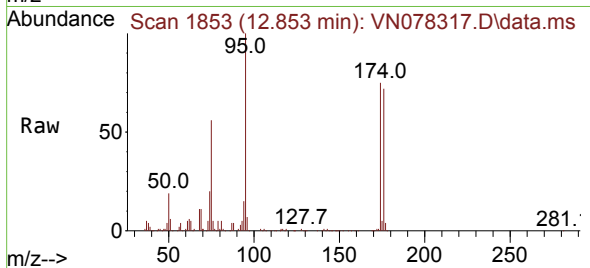




#62
4-Bromofluorobenzene
Concen: 51.190 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

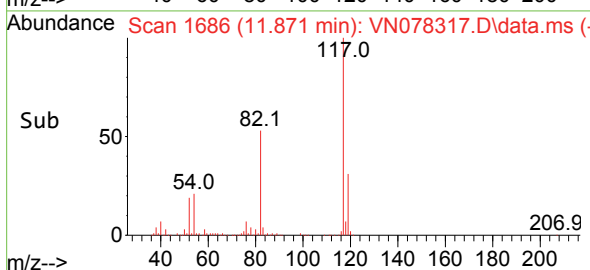
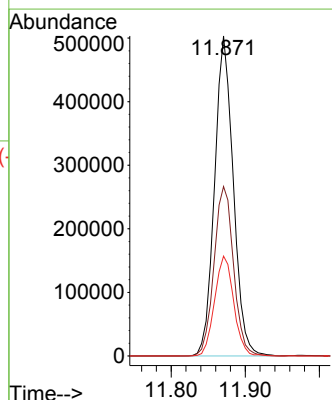
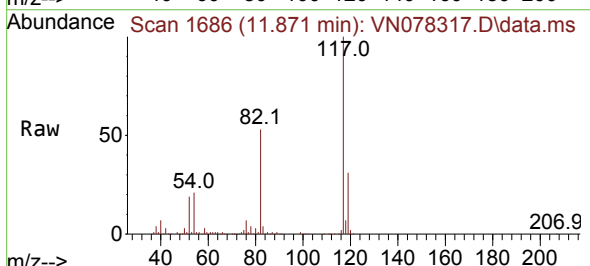
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

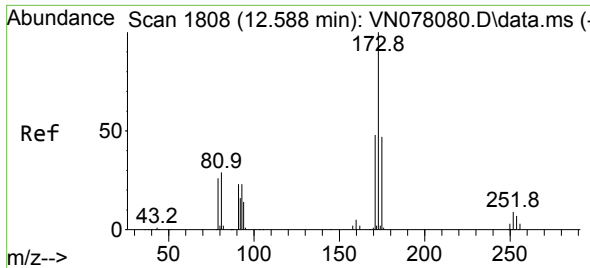
Tgt Ion: 95 Resp: 383216
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 117 Resp: 884458
Ion Ratio Lower Upper
117 100
82 53.0 44.0 66.0
119 31.2 25.6 38.4

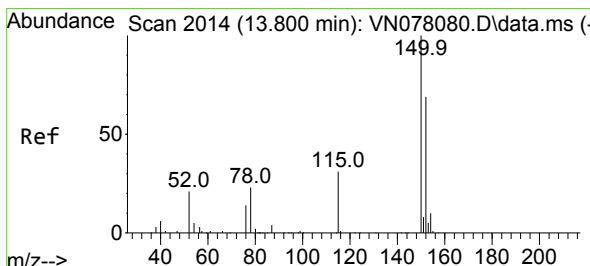
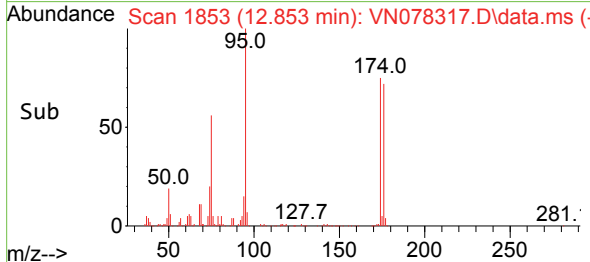
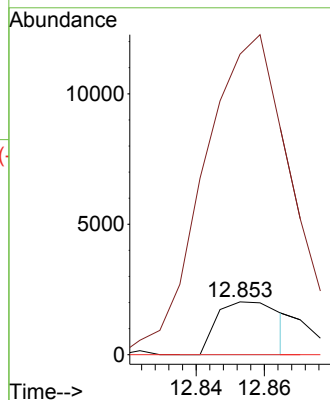
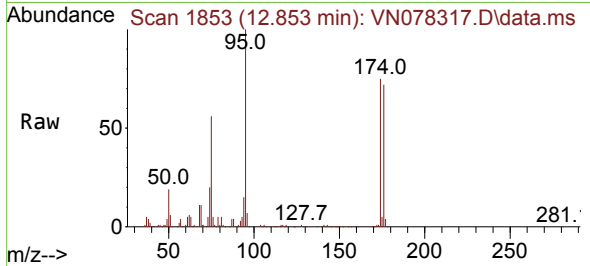




#71
Bromoform
Concen: 0.576 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

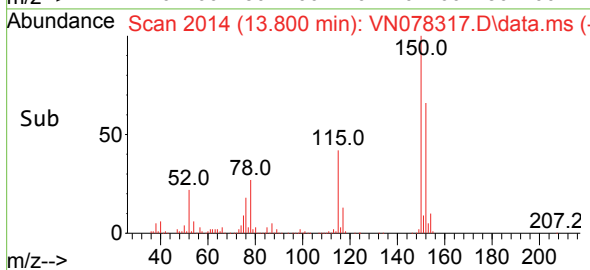
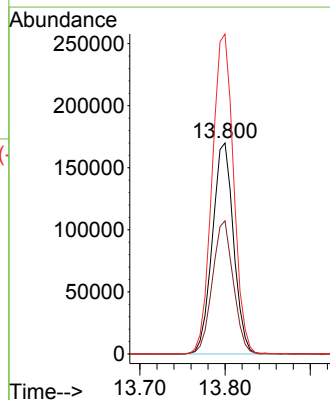
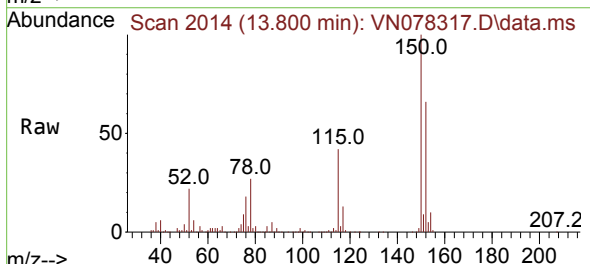
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

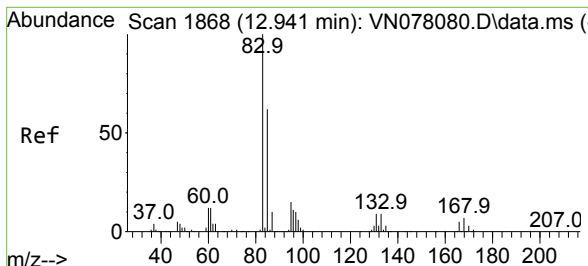
Tgt Ion:173 Resp: 2591
Ion Ratio Lower Upper
173 100
175 724.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion:152 Resp: 293449
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 154.0 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078317.D

Acq: 21 Jun 2023 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBL01

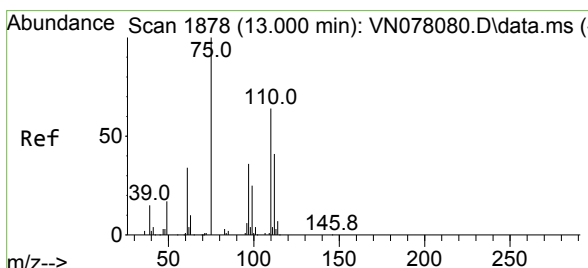
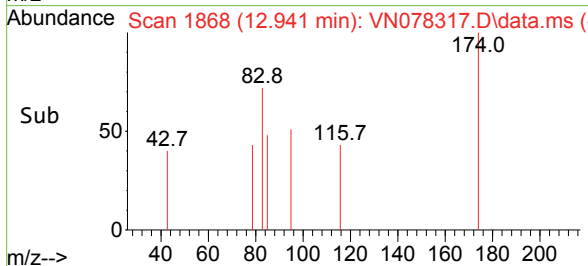
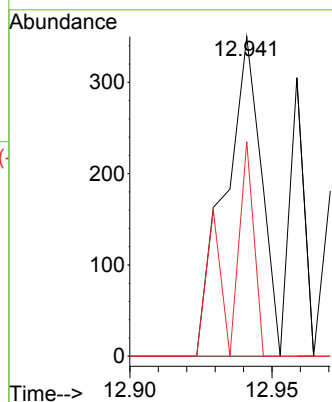
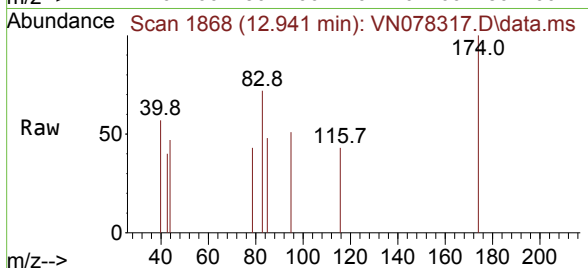
Tgt Ion: 83 Resp: 310

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 18.1 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 29.898 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078317.D

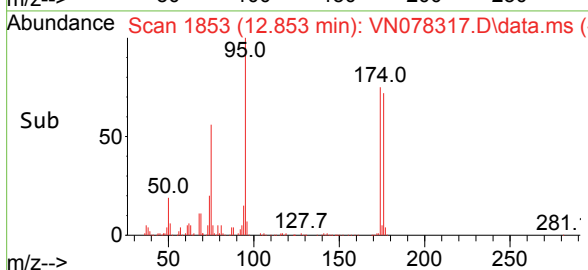
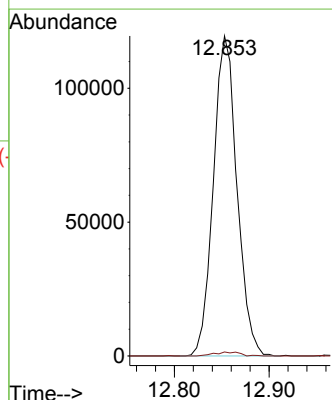
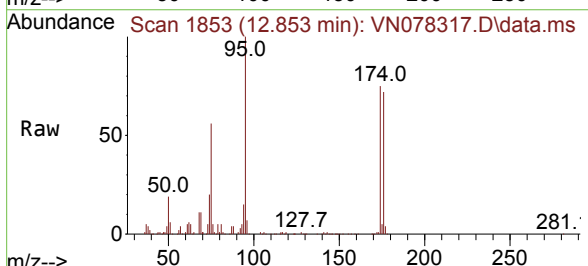
Acq: 21 Jun 2023 12:59

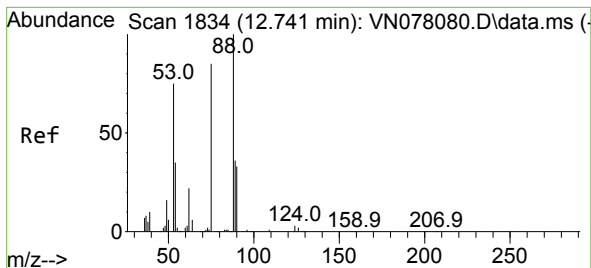
Tgt Ion: 75 Resp: 207407

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

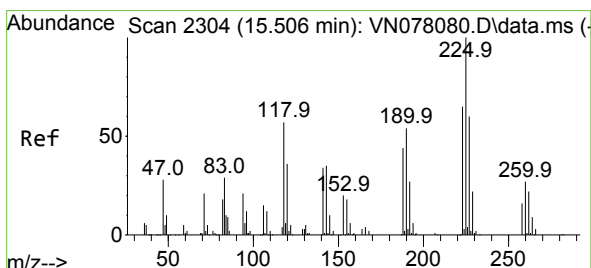
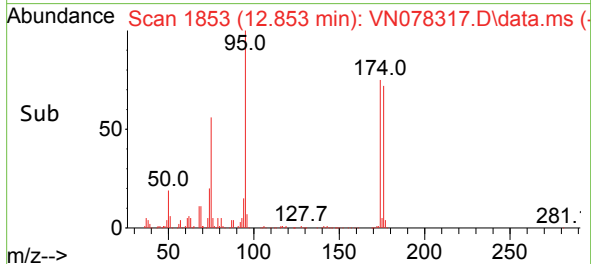
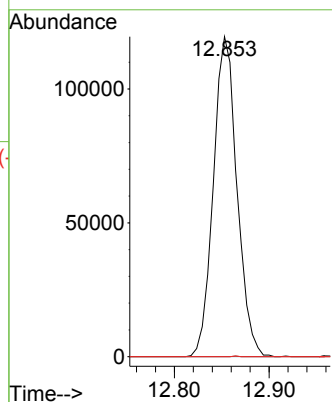
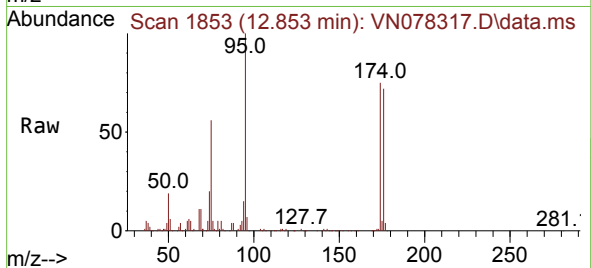




#81
trans-1,4-Dichloro-2-butene
Concen: 91.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

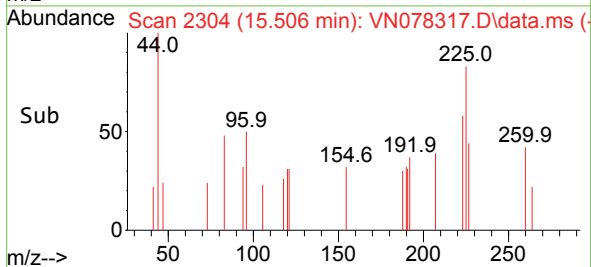
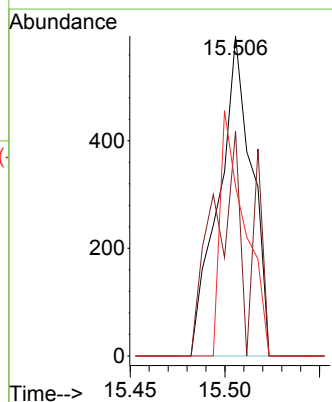
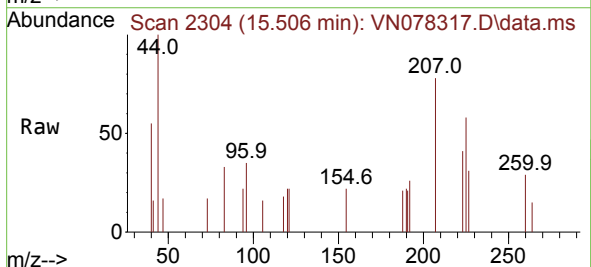
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

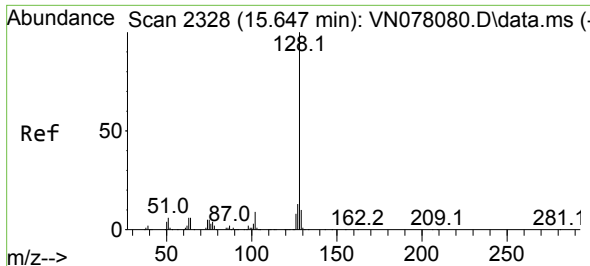
Tgt Ion: 75 Resp: 207407
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion: 225 Resp: 719
Ion Ratio Lower Upper
225 100
223 33.5 31.3 93.8
227 57.6 31.9 95.9

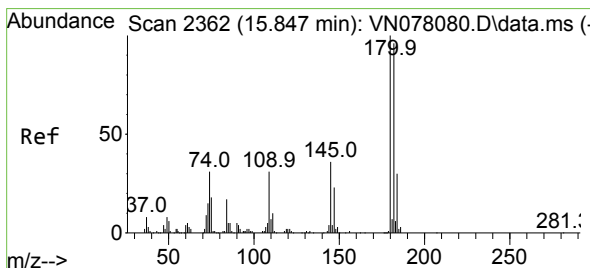
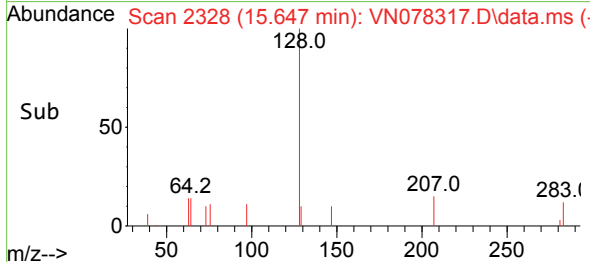
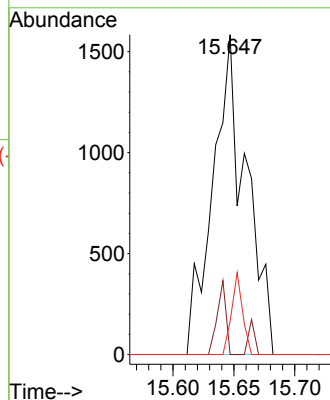
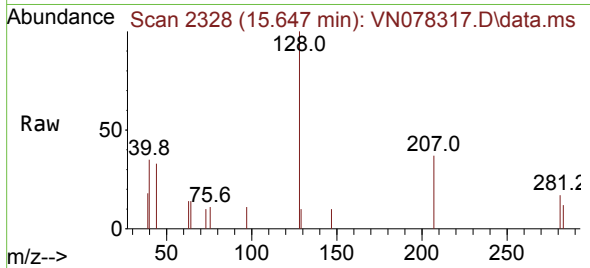




#95
Naphthalene
Concen: 0.237 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL01

Tgt Ion:128 Resp: 3022
Ion Ratio Lower Upper
128 100
127 6.0 10.0 15.0#
129 8.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.233 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN078317.D
Acq: 21 Jun 2023 12:59

Tgt Ion:180 Resp: 990
Ion Ratio Lower Upper
180 100
182 49.9 46.2 138.6
145 17.9 17.5 52.6

