

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078194.D
 Acq On : 14 Jun 2023 10:19
 Operator : JC\MD
 Sample : VN0614WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBL01

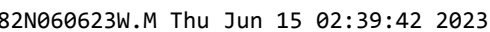
Quant Time: Jun 15 02:39:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

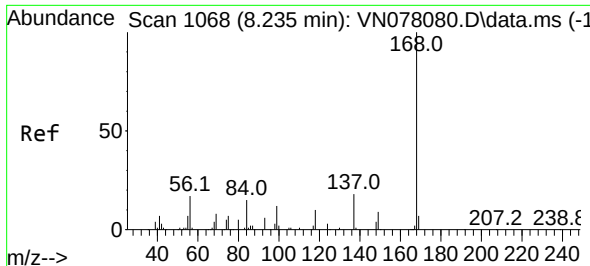
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	523733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	955630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	833278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	257275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	364870	52.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.500%	
35) Dibromofluoromethane	8.171	113	325781	53.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.840%	
50) Toluene-d8	10.571	98	1109242	47.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.853	95	350774	48.440	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1172	Below Cal		88
5) Bromomethane	2.977	94	1707	0.291	ug/l	94
11) Tert butyl alcohol	5.518	59	1140	1.182	ug/l #	72
13) Acrolein	4.206	56	234	0.220	ug/l #	52
16) Acetone	4.430	43	772	0.384	ug/l #	40
20) Methylene Chloride	5.289	84	1501	0.226	ug/l #	64
31) Cyclohexane	8.235	56	13285	1.483	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	43624	5.033	ug/l #	50
38) Carbon Tetrachloride	8.230	117	57942	6.331	ug/l #	16
59) 2-Hexanone	11.206	43	1218	0.257	ug/l	65
75) 1,1,2,2-Tetrachloroethane	12.941	83	122	Below Cal	#	37
76) 1,2,3-Trichloropropane	12.853	75	186249	30.623	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	186249	94.082	ug/l #	15
94) Hexachlorobutadiene	15.500	225	992	Below Cal		74
95) Naphthalene	15.641	128	3221	0.288	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.841	180	1207	0.324	ug/l	92

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

Quant Time: Jun 15 02:39:29 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

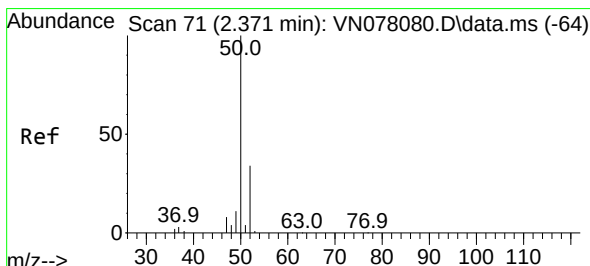
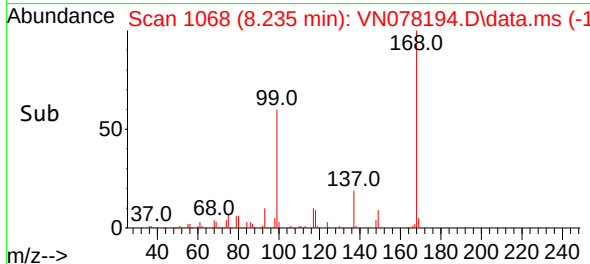
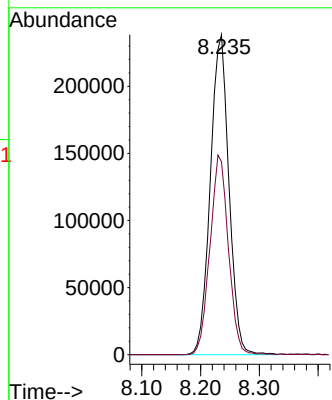
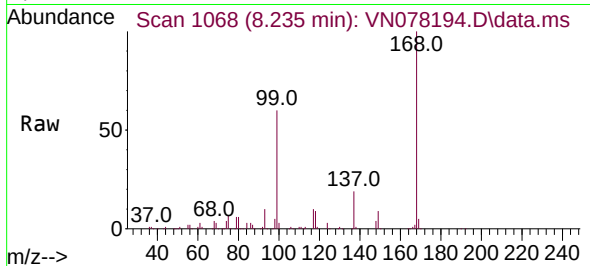




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

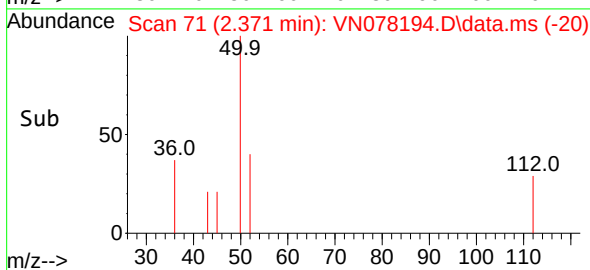
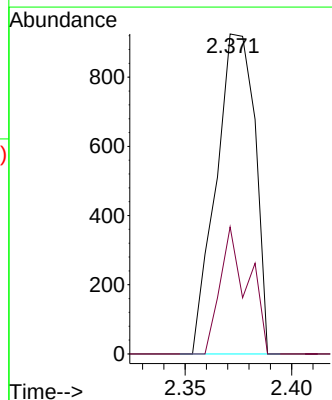
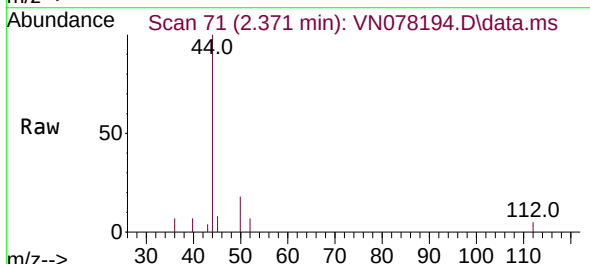
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

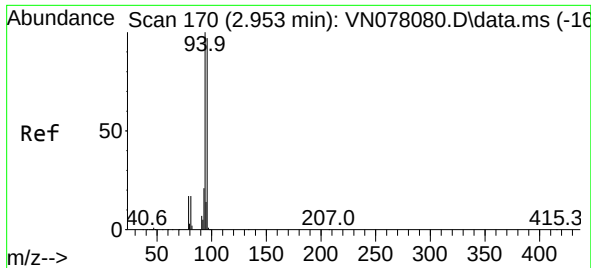
Tgt Ion:168 Resp: 523733
Ion Ratio Lower Upper
168 100
99 60.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 50 Resp: 1172
Ion Ratio Lower Upper
50 100
52 39.7 26.5 39.7

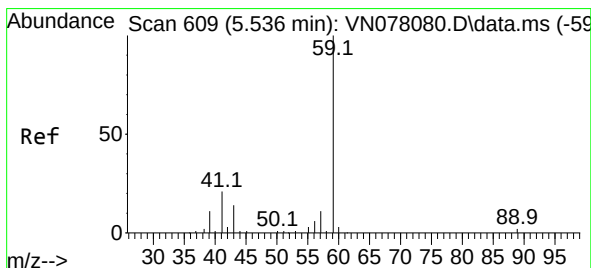
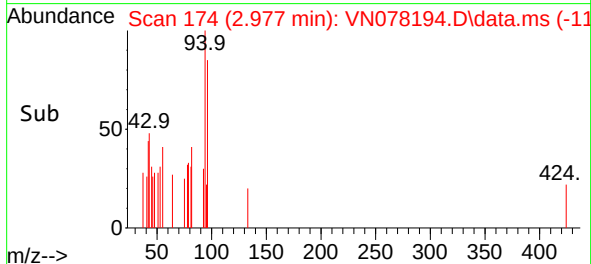
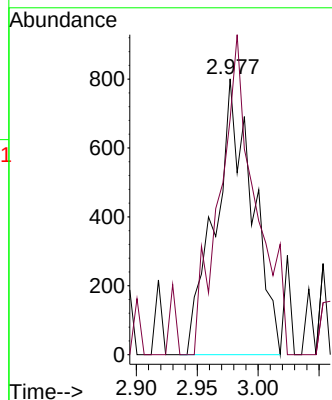
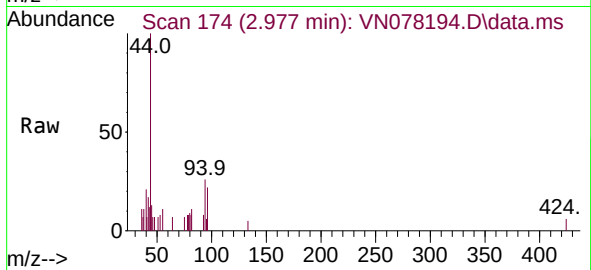




#5
Bromomethane
Concen: 0.291 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

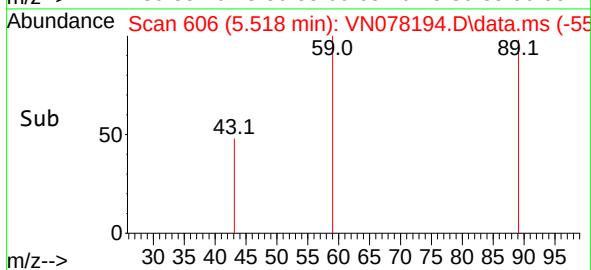
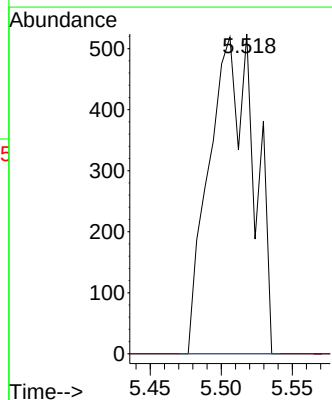
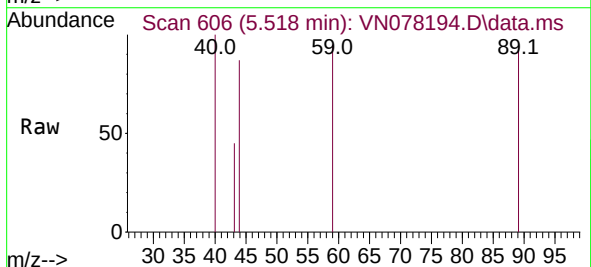
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

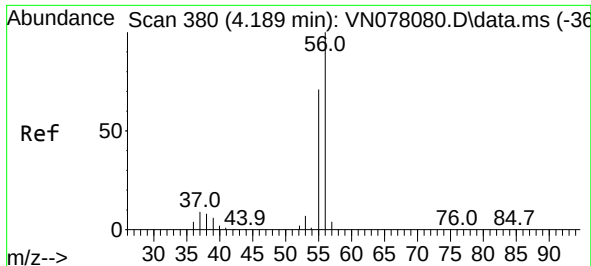
Tgt Ion: 94 Resp: 1707
Ion Ratio Lower Upper
94 100
96 85.4 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.182 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 59 Resp: 1140
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

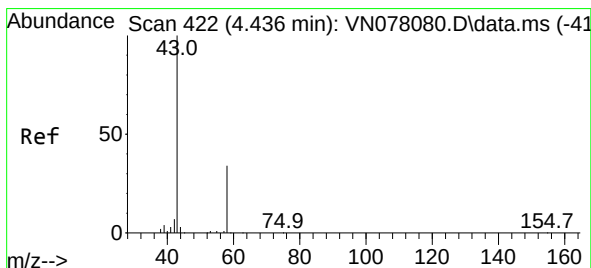
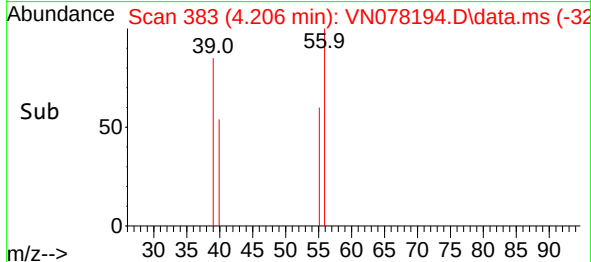
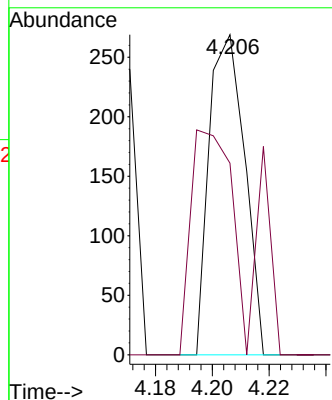
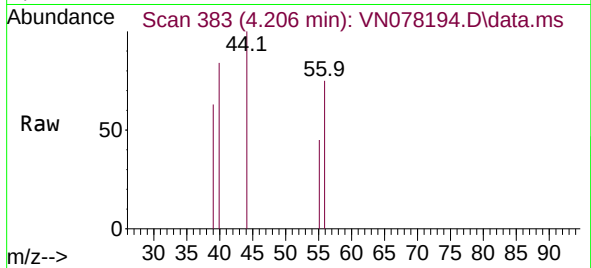




#13
Acrolein
Concen: 0.220 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

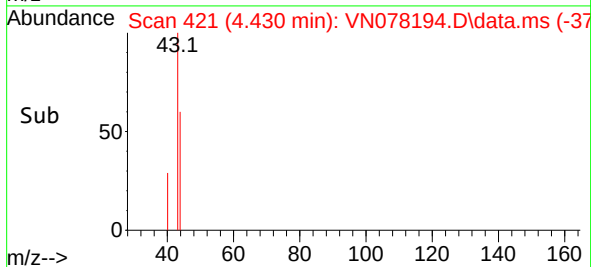
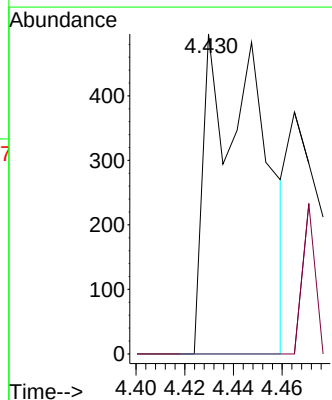
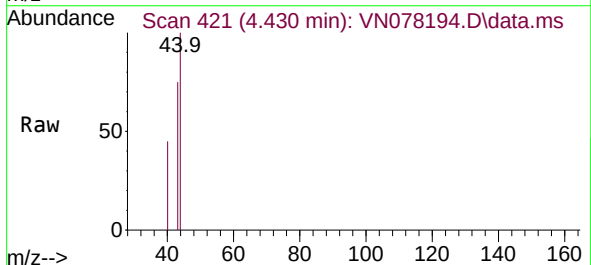
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

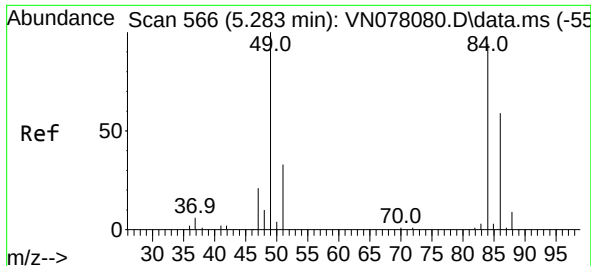
Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 106.8 54.5 81.7#



#16
Acetone
Concen: 0.384 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.006 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

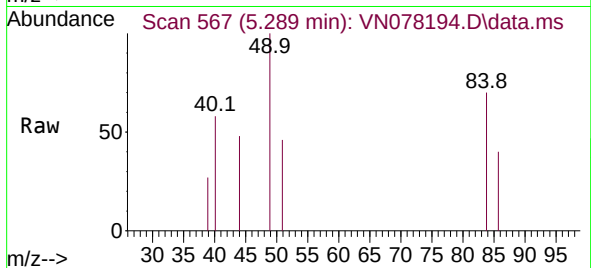
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



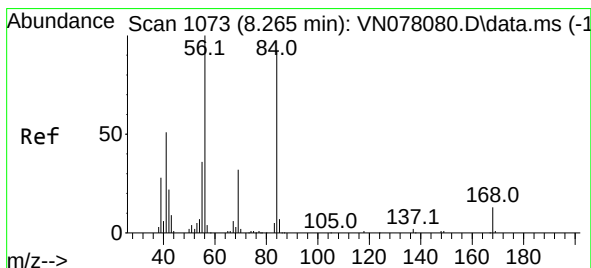
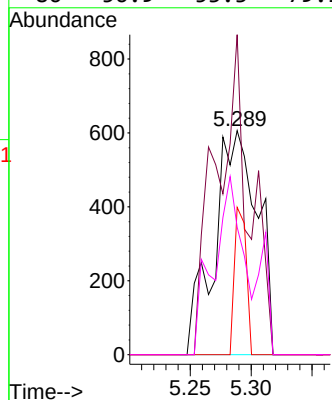
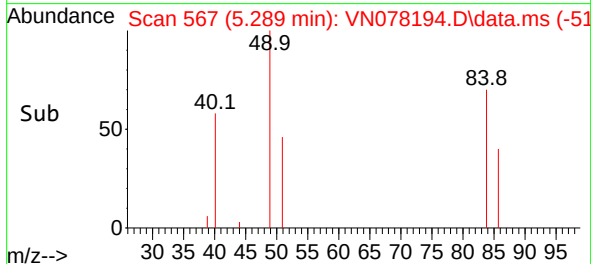


#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

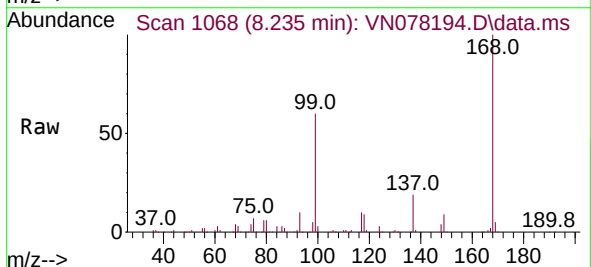
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01



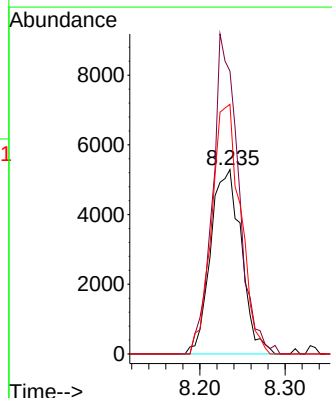
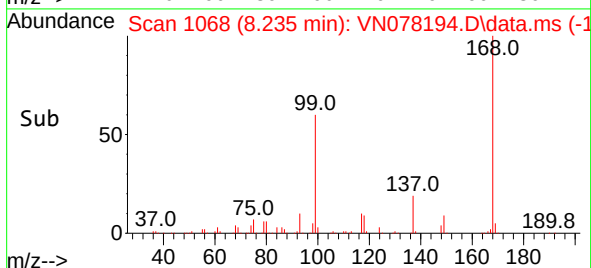
Tgt Ion:	84	Resp:	1501
Ion	Ratio	Lower	Upper
84	100		
49	142.9	79.7	119.5#
51	65.8	25.2	37.8#
86	56.9	53.3	79.9

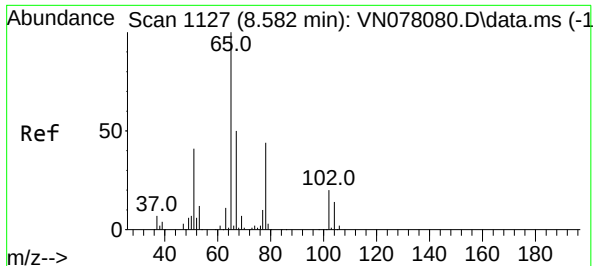


#31
Cyclohexane
Concen: 1.483 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19



Tgt Ion:	56	Resp:	13285
Ion	Ratio	Lower	Upper
56	100		
69	153.5	26.8	40.2#
84	135.5	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.251 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078194.D

Acq: 14 Jun 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

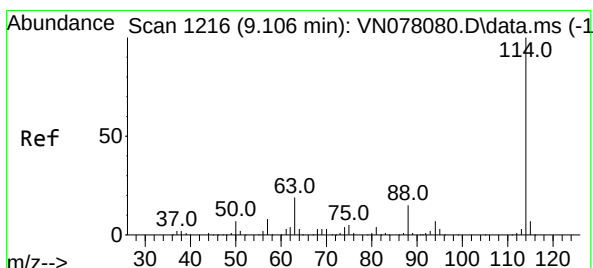
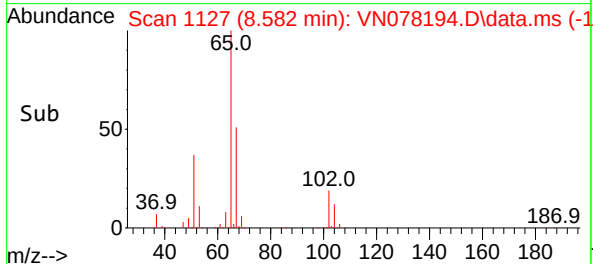
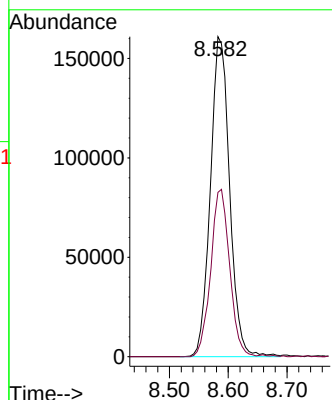
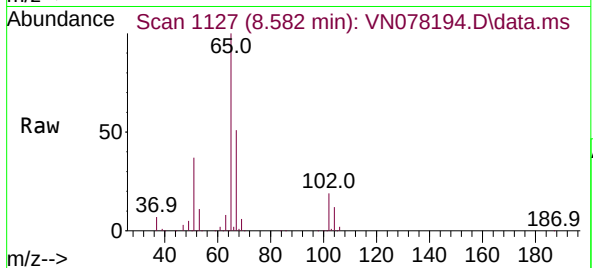
VN0614WBL01

Tgt Ion: 65 Resp: 364870

Ion Ratio Lower Upper

65 100

67 51.5 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: VN078194.D

Acq: 14 Jun 2023 10:19

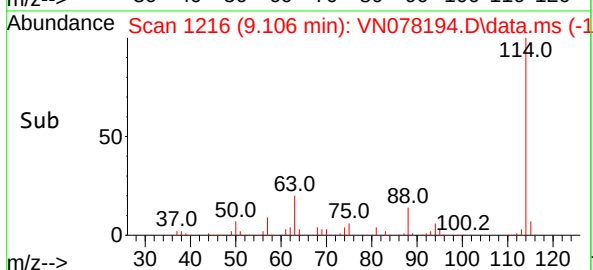
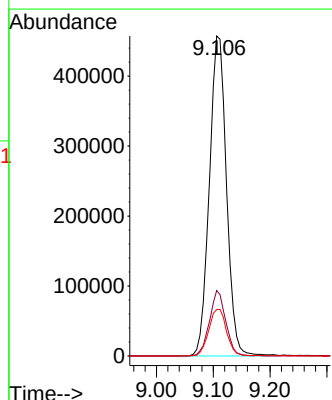
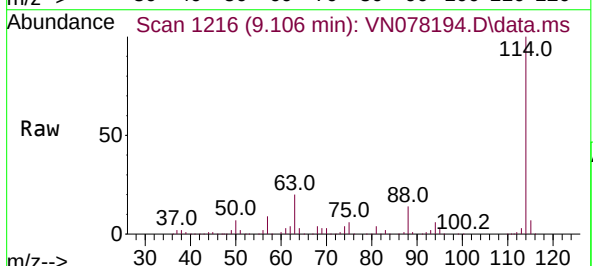
Tgt Ion: 114 Resp: 955630

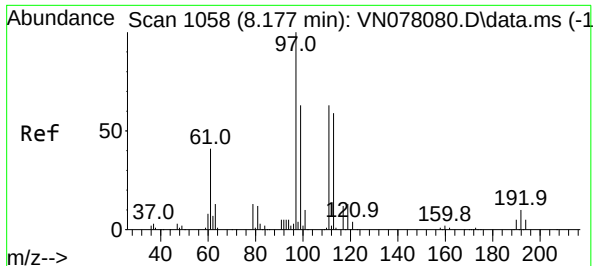
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.917 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078194.D

Acq: 14 Jun 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBL01

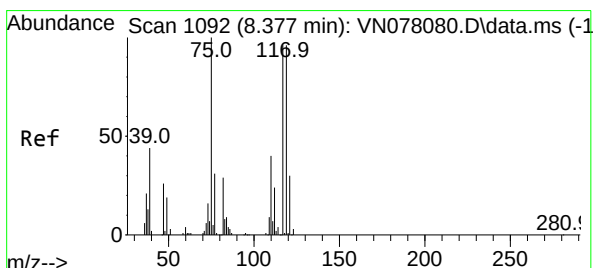
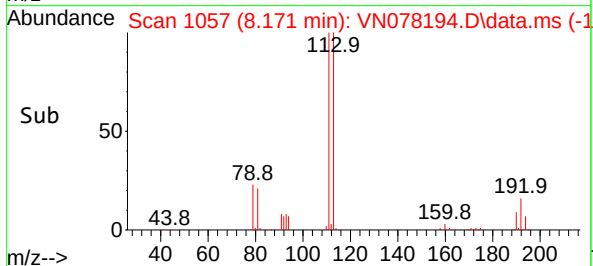
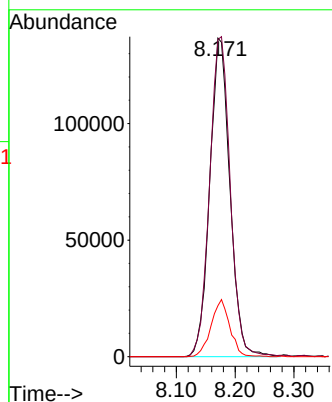
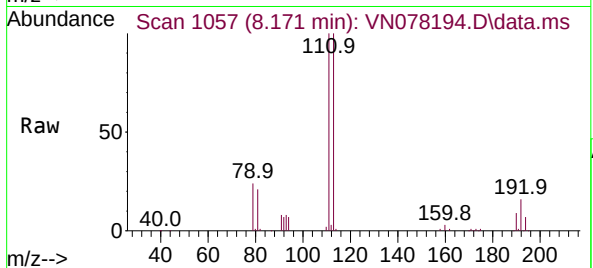
Tgt Ion:113 Resp: 325781

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078194.D

Acq: 14 Jun 2023 10:19

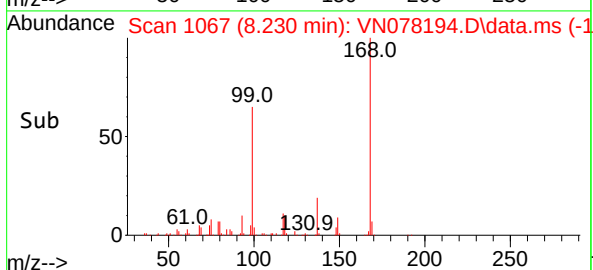
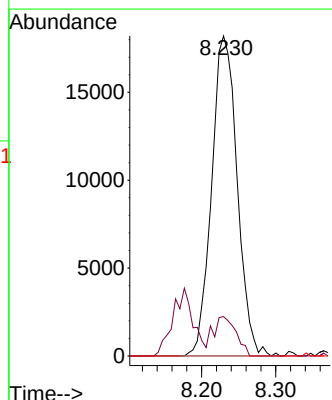
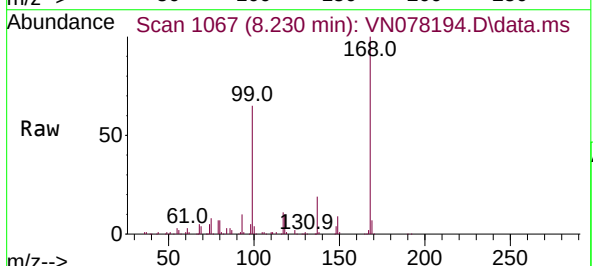
Tgt Ion: 75 Resp: 43624

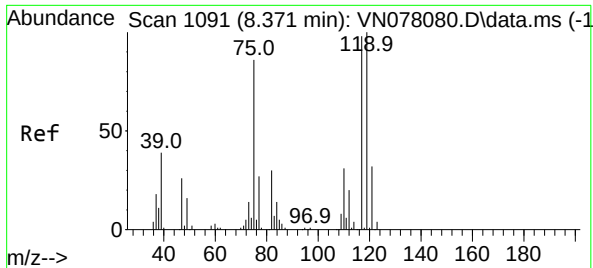
Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

77 0.0 25.0 37.4#

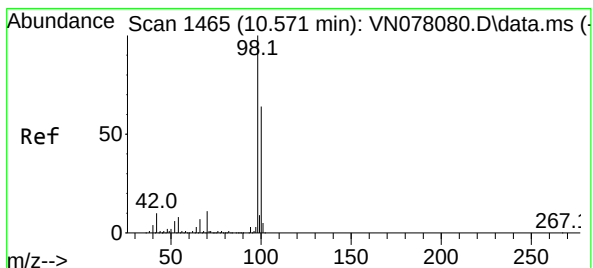
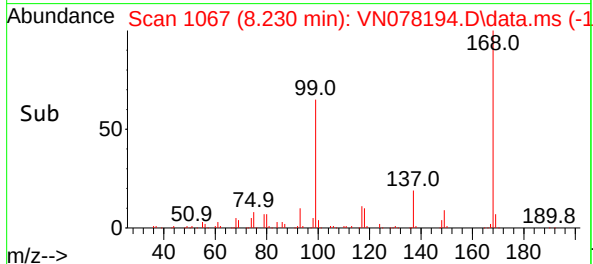
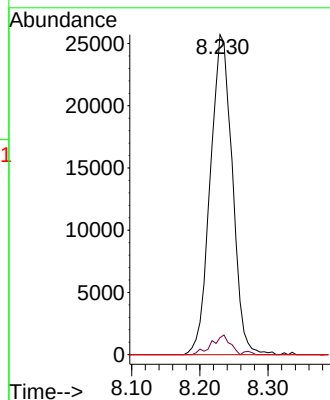
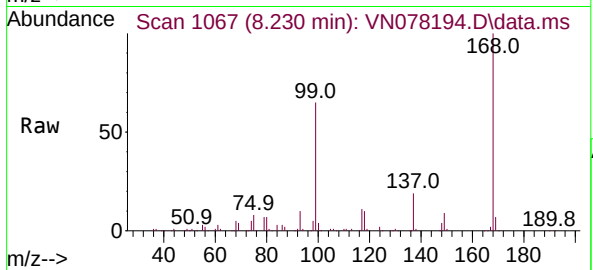




#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

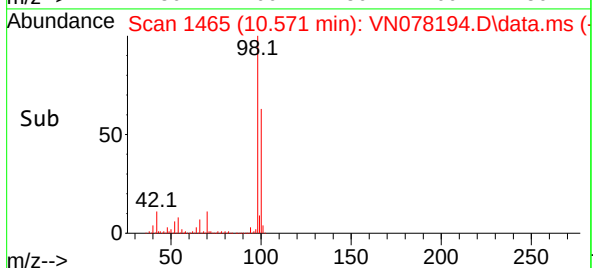
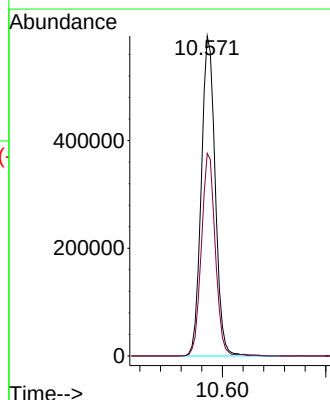
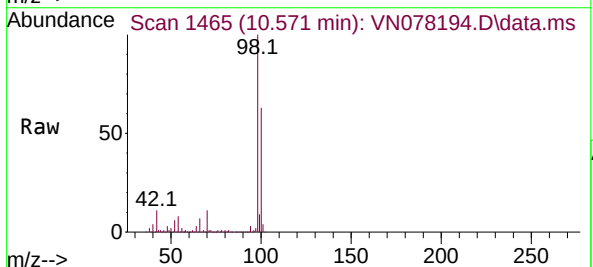
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

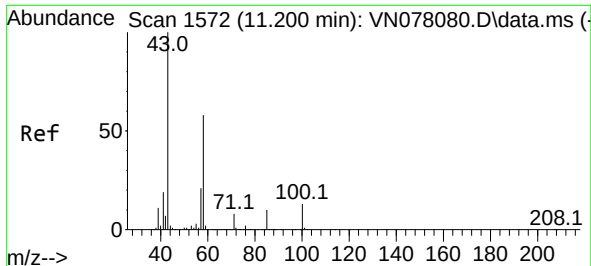
Tgt Ion:117 Resp: 57942
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 47.620 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 98 Resp: 1109242
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

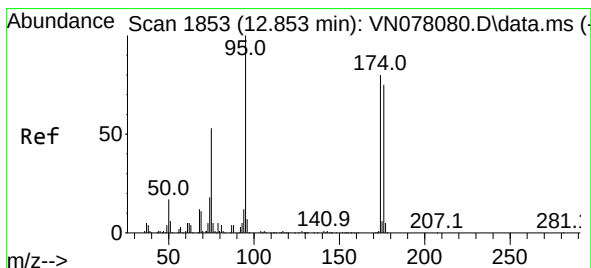
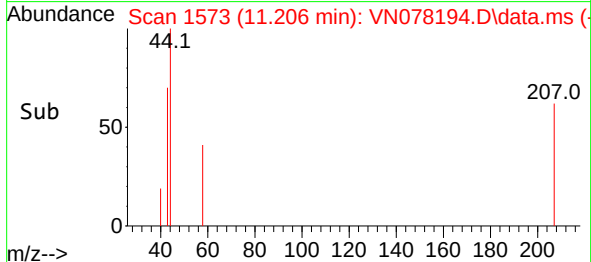
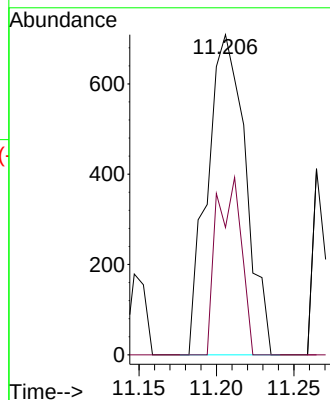
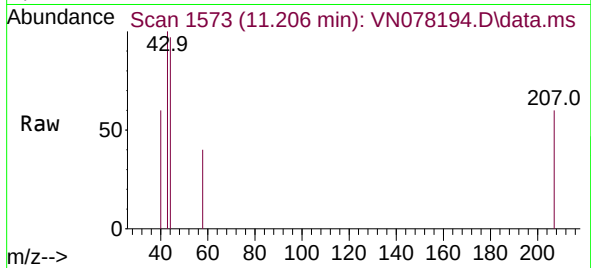




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

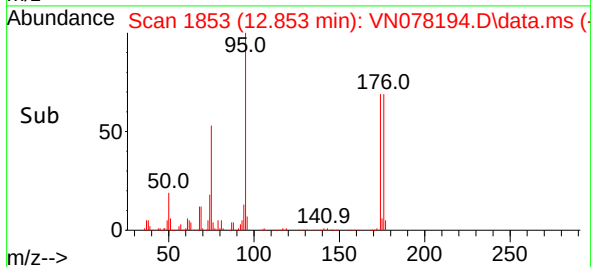
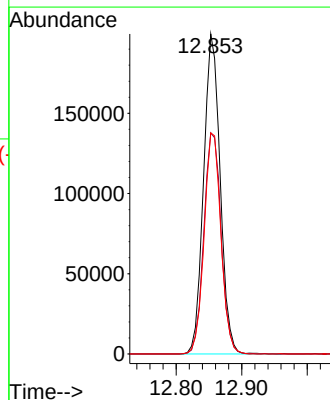
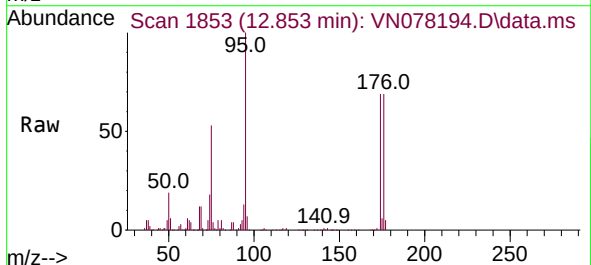
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

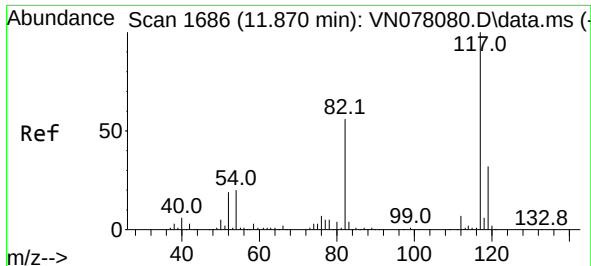
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 35.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 48.440 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 95 Resp: 350774
Ion Ratio Lower Upper
95 100
174 71.9 0.0 143.8
176 70.0 0.0 135.8

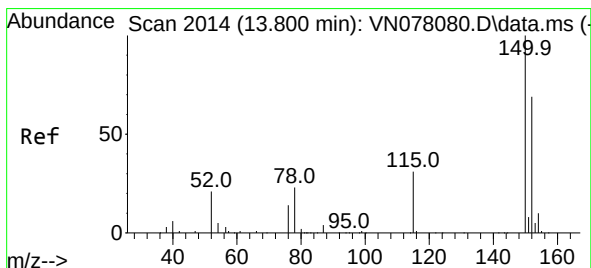
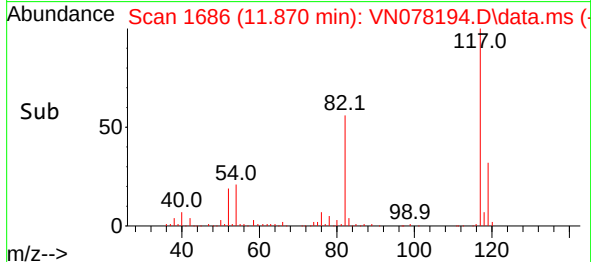
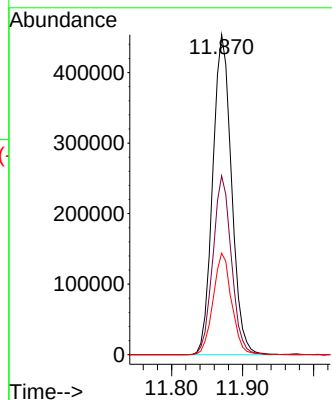
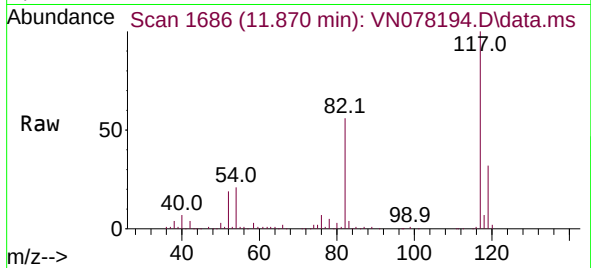




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

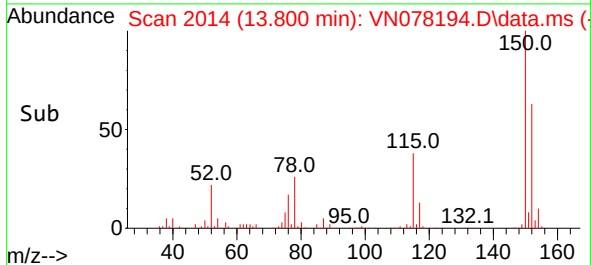
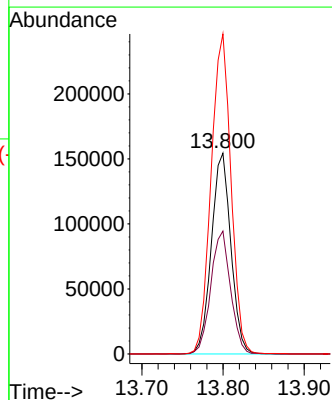
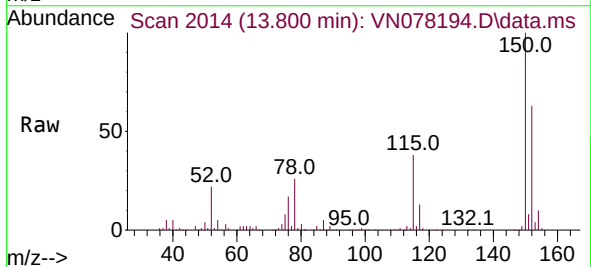
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

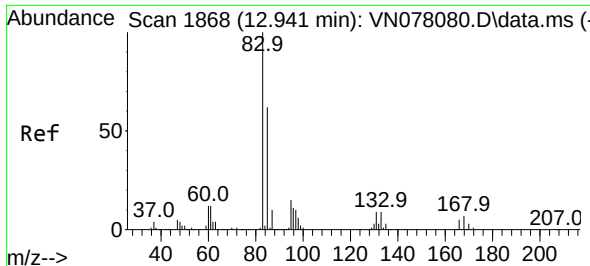
Tgt Ion:117 Resp: 833278
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion:152 Resp: 257275
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 162.4 0.0 355.8

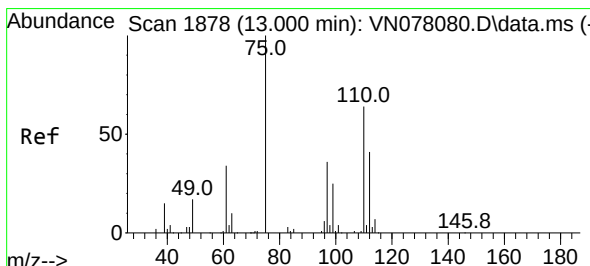
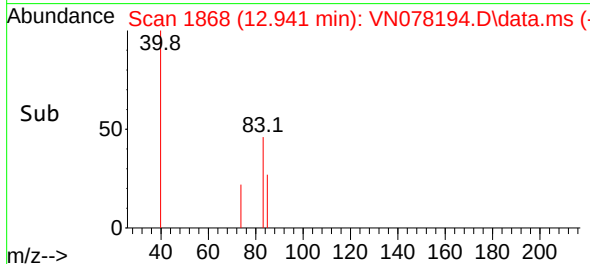
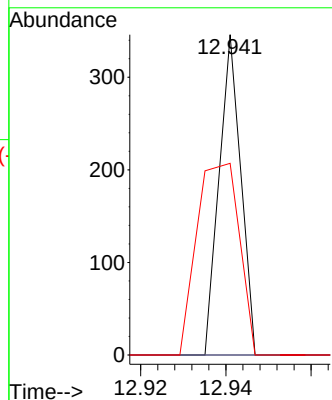
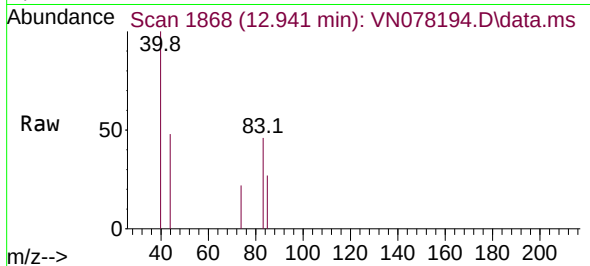




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

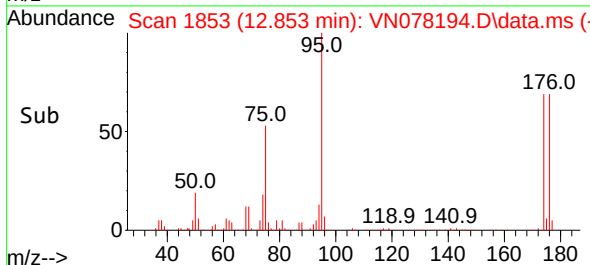
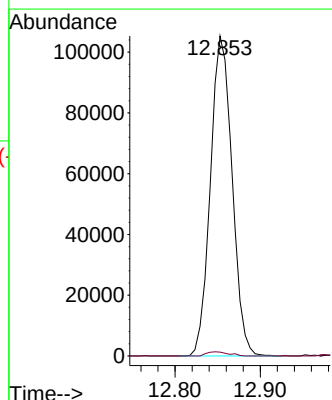
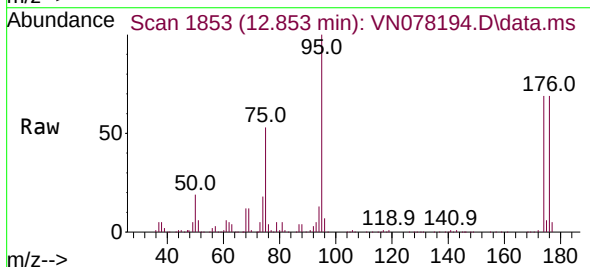
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

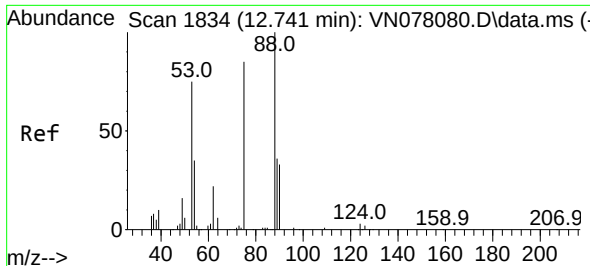
Tgt Ion: 83 Resp: 122
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 117.2 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 30.623 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 75 Resp: 186249
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#

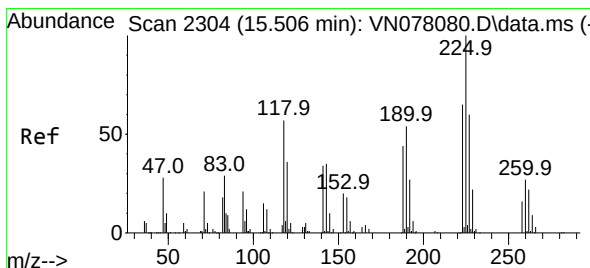
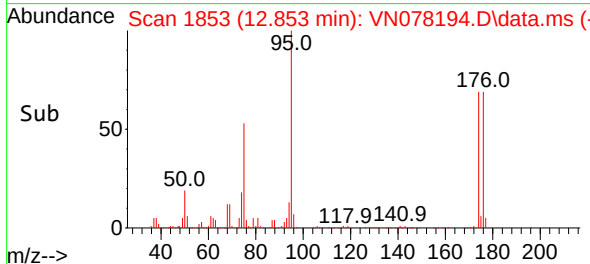
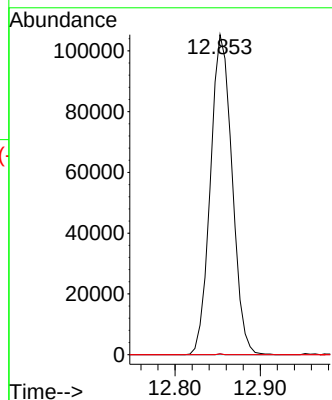
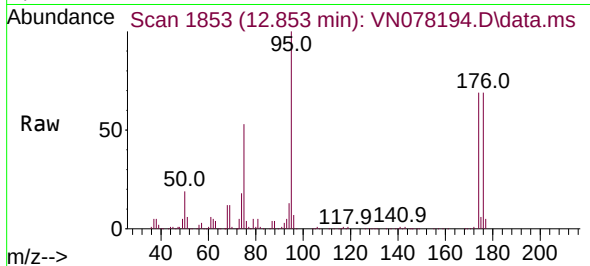




#81
trans-1,4-Dichloro-2-butene
Concen: 94.082 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

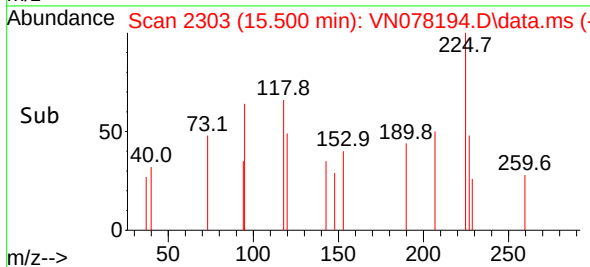
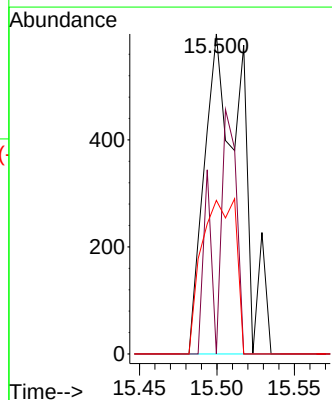
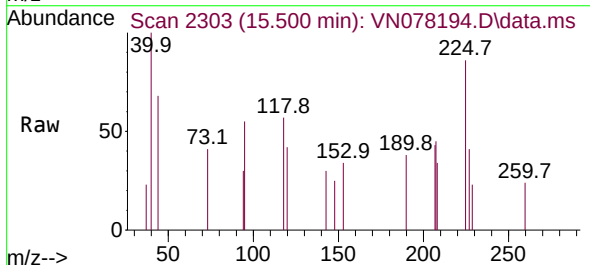
Instrument :
MSVOA_N
ClientSampleId :
VN0614WBL01

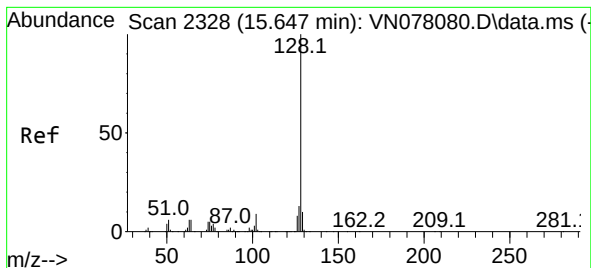
Tgt Ion: 75 Resp: 186249
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078194.D
Acq: 14 Jun 2023 10:19

Tgt Ion: 225 Resp: 992
Ion Ratio Lower Upper
225 100
223 42.1 31.3 93.8
227 44.6 31.9 95.9





#95

Naphthalene

Concen: 0.288 ug/l

RT: 15.641 min Scan# 2328

Delta R.T. -0.006 min

Lab File: VN078194.D

Acq: 14 Jun 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBL01

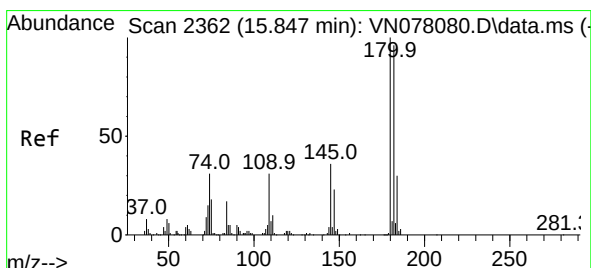
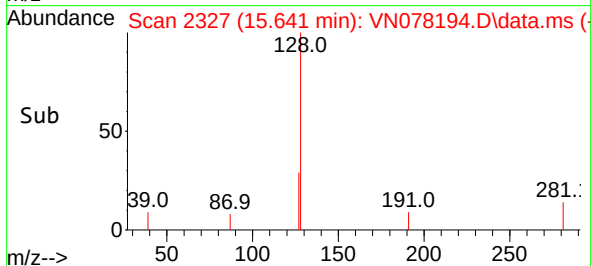
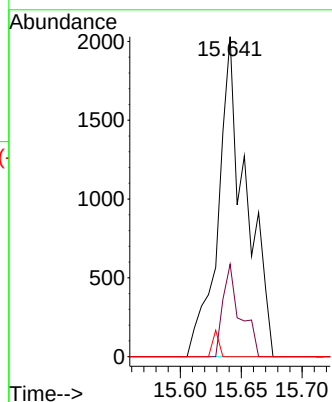
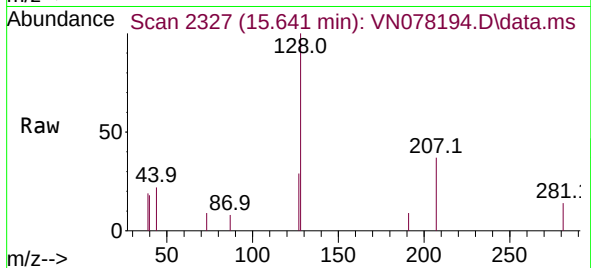
Tgt Ion:128 Resp: 3221

Ion Ratio Lower Upper

128 100

127 18.1 10.0 15.0#

129 1.8 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.324 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN078194.D

Acq: 14 Jun 2023 10:19

Tgt Ion:180 Resp: 1207

Ion Ratio Lower Upper

180 100

182 82.1 46.2 138.6

145 35.7 17.5 52.6

