

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080359.D
 Acq On : 05 Dec 2023 12:25
 Operator : JC\MD
 Sample : 05612-07 1000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:49:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

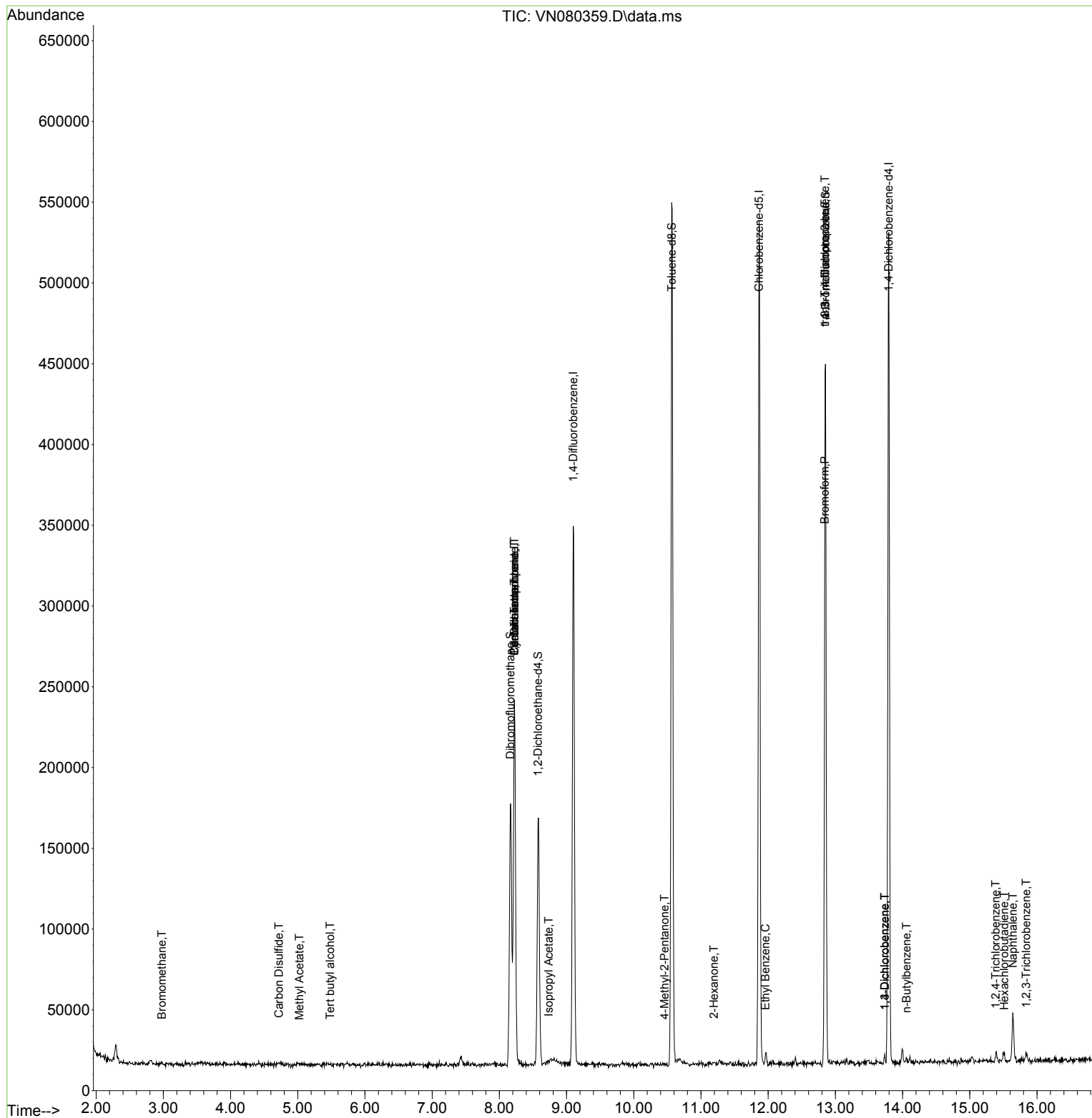
Internal Standards						
1) Pentafluorobenzene	8.224	168	153611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141131	55.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.280%	
35) Dibromofluoromethane	8.165	113	110393	52.410	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.820%	
50) Toluene-d8	10.565	98	377565	49.726	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.853	95	148133	51.651	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	526	0.426	ug/l #	40
6) Chloroethane	3.106	64	581	Below Cal	#	43
11) Tert butyl alcohol	5.483	59	60	0.215	ug/l #	72
17) Carbon Disulfide	4.718	76	1550	0.320	ug/l #	75
18) Methyl Acetate	5.024	43	1019	0.372	ug/l #	52
31) Cyclohexane	8.224	56	3600	1.305	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	12818	4.203	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18233	4.711	ug/l #	16
43) Isopropyl Acetate	8.736	43	2031	0.493	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	508	0.238	ug/l #	31
59) 2-Hexanone	11.194	43	1005	0.587	ug/l	81
67) Ethyl Benzene	11.959	91	5871	0.479	ug/l #	84
71) Bromoform	12.841	173	555	0.280	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	84893	25.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84893	85.121	ug/l #	15
87) 1,3-Dichlorobenzene	13.735	146	1163	0.240	ug/l	97
88) 1,4-Dichlorobenzene	13.735	146	1163	0.238	ug/l	95
89) n-Butylbenzene	14.059	91	2322	0.329	ug/l	80
93) 1,2,4-Trichlorobenzene	15.388	180	2494	0.923	ug/l	84
94) Hexachlorobutadiene	15.512	225	1491	0.959	ug/l #	68
95) Naphthalene	15.641	128	26835	3.425	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	2518	0.994	ug/l	92

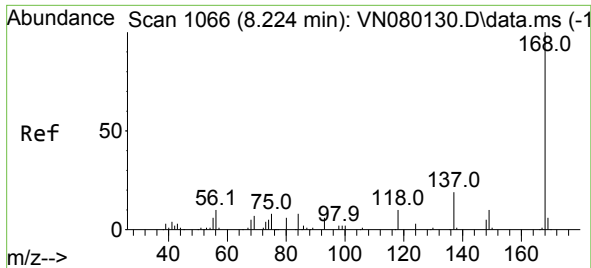
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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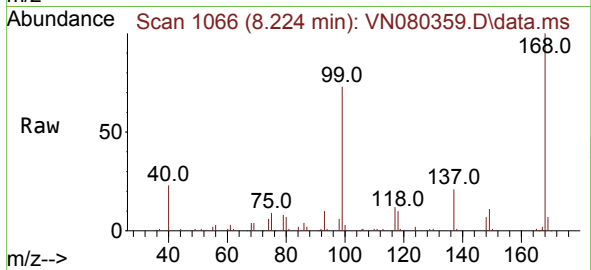
Quant Time: Dec 06 00:49:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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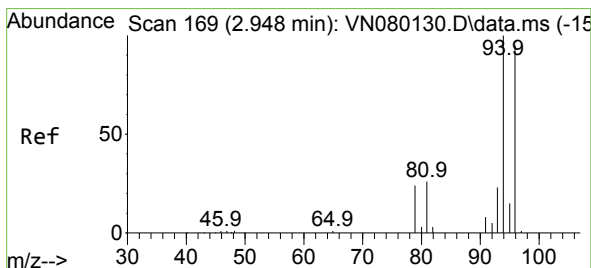
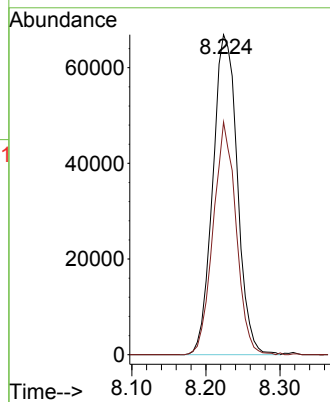
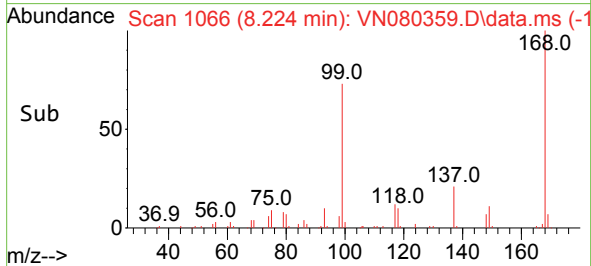


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Instrument :
MSVOA_N
ClientSampleId :

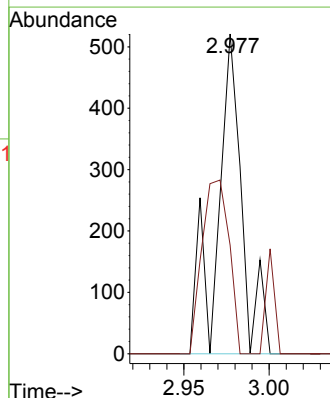
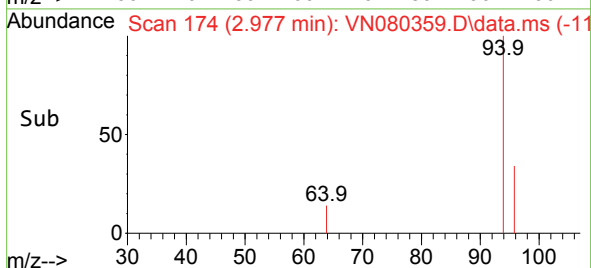
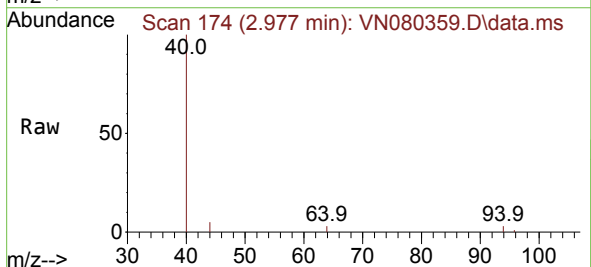


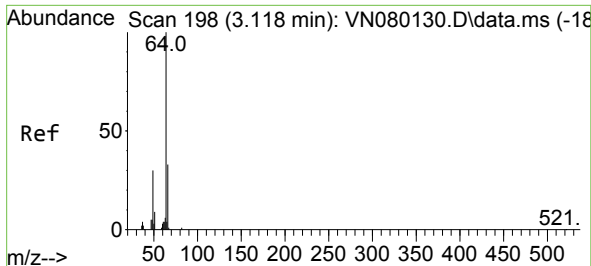
Tgt Ion:168 Resp: 153611
Ion Ratio Lower Upper
168 100
99 72.7 53.0 79.6



#5
Bromomethane
Concen: 0.426 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.029 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 34.0 73.1 109.7#





#6

Chloroethane

Concen: Below Cal

RT: 3.106 min Scan# 198

Delta R.T. -0.012 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Instrument :

MSVOA_N

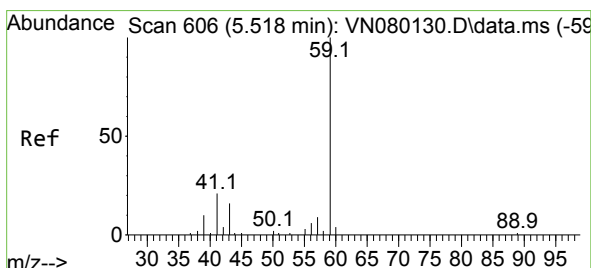
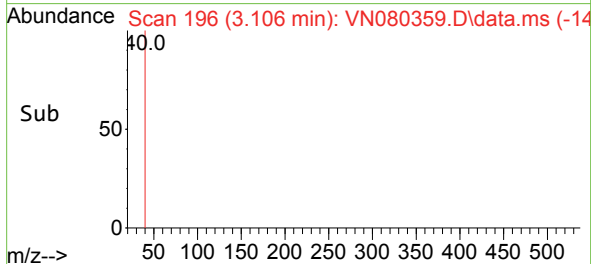
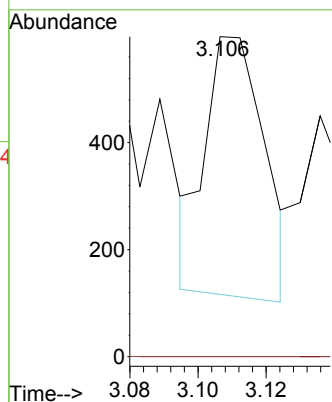
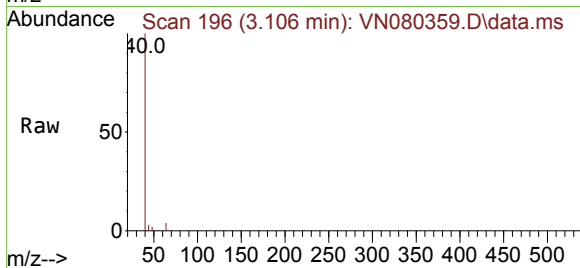
ClientSampleId :

Tgt Ion: 64 Resp: 581

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: 0.215 ug/l

RT: 5.483 min Scan# 600

Delta R.T. -0.035 min

Lab File: VN080359.D

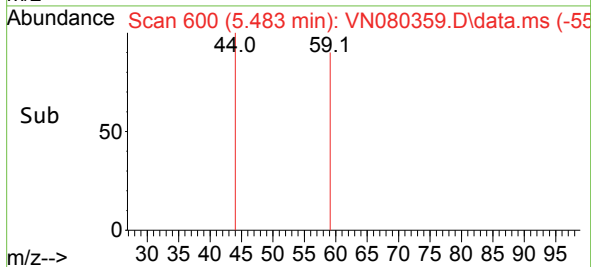
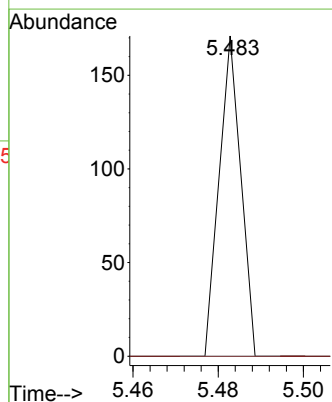
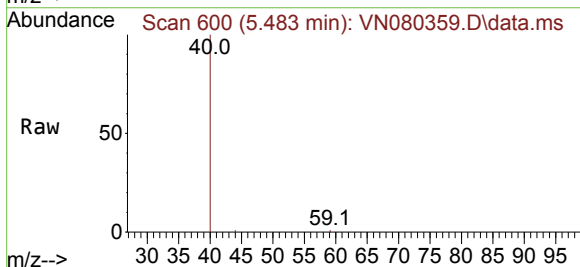
Acq: 05 Dec 2023 12:25

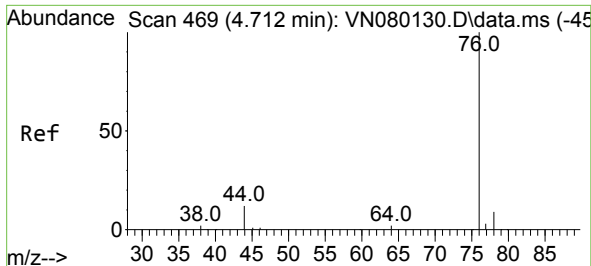
Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

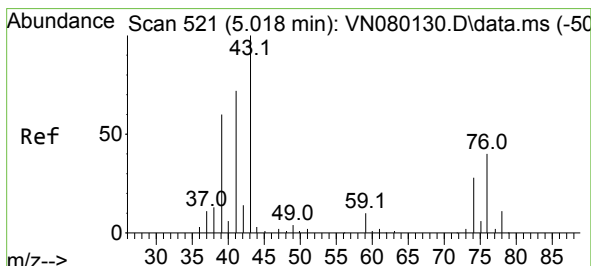
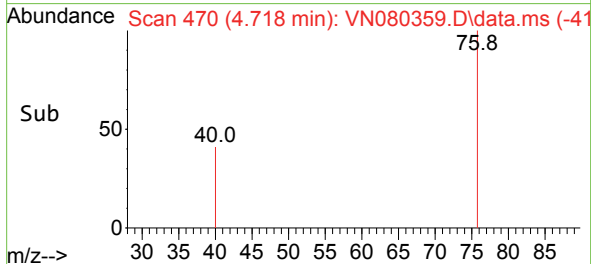
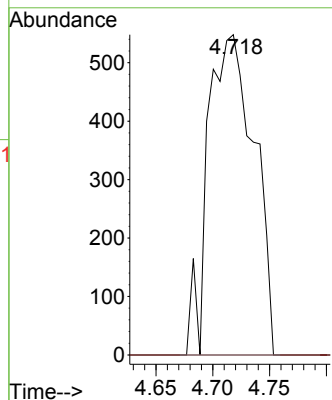
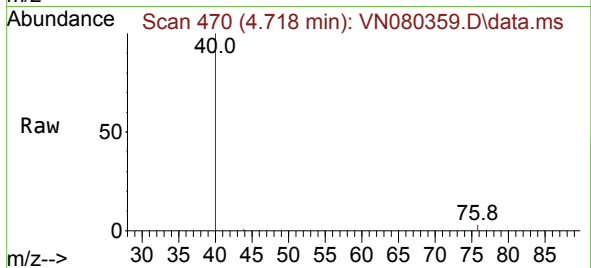




#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

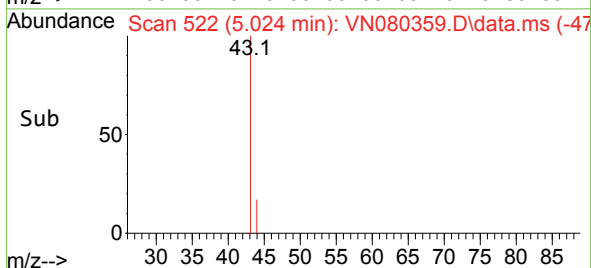
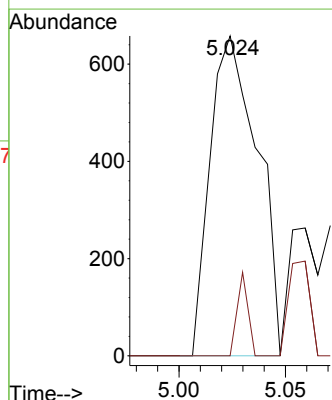
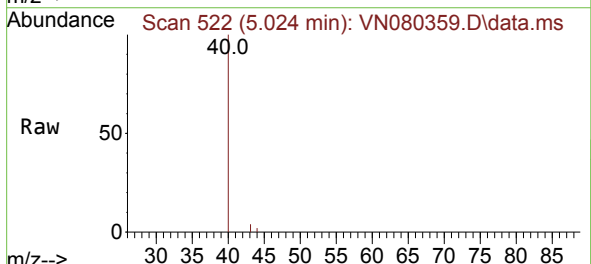
Instrument :
MSVOA_N
ClientSampleId :

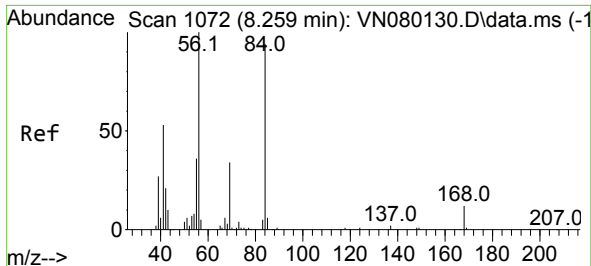
Tgt Ion: 76 Resp: 1550
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.372 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

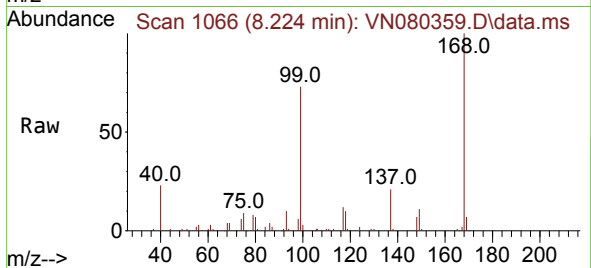
Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
74 6.0 26.2 39.4#



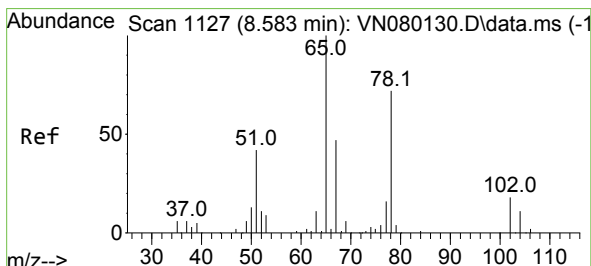
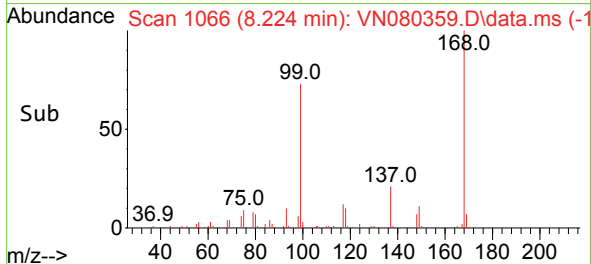
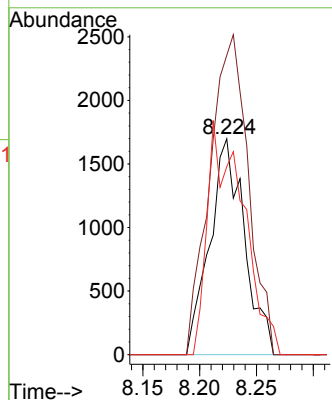


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Instrument :
MSVOA_N
ClientSampleId :

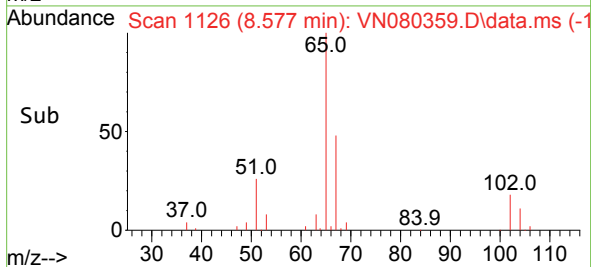
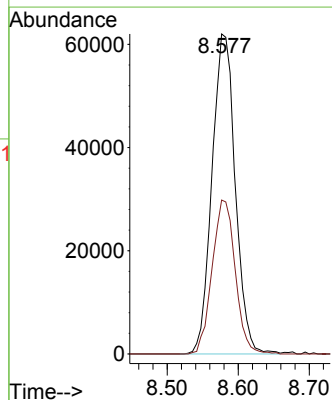
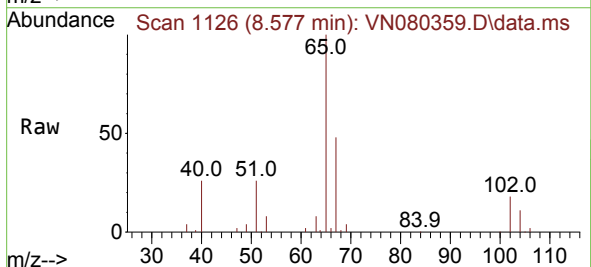


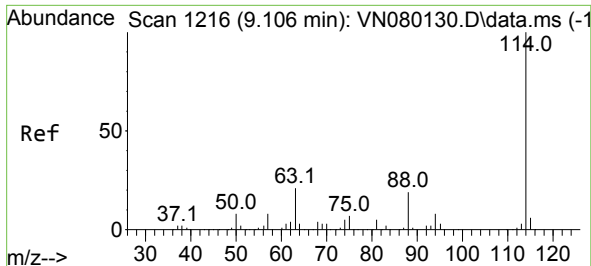
Tgt Ion: 56 Resp: 3600
Ion Ratio Lower Upper
56 100
69 138.8 26.8 40.2#
84 87.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.643 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Tgt Ion: 65 Resp: 141131
Ion Ratio Lower Upper
65 100
67 47.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Instrument :

MSVOA_N

ClientSampleId :

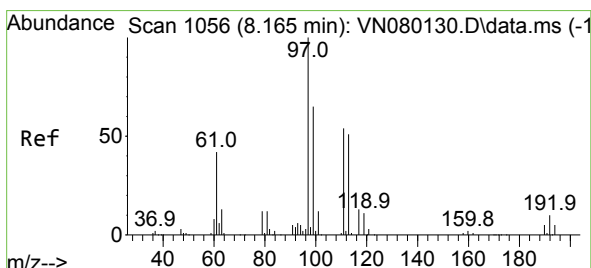
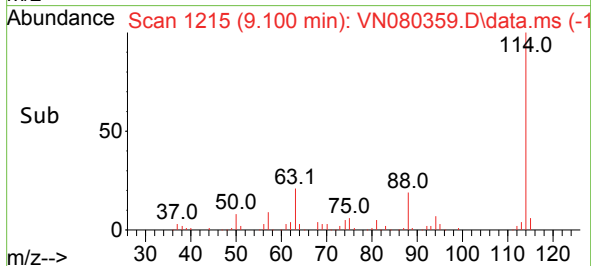
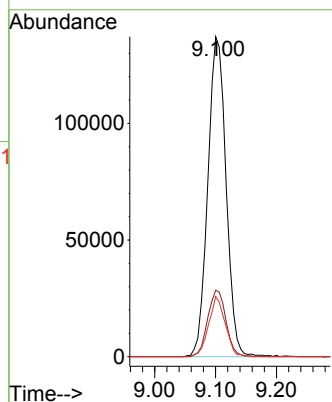
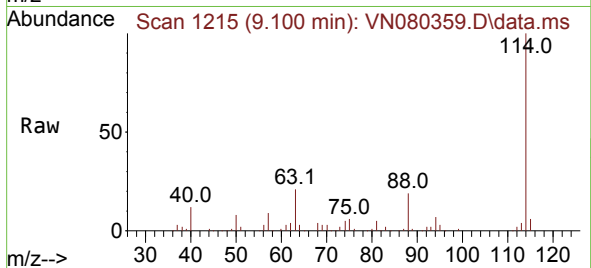
Tgt Ion:114 Resp: 285463

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 18.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.410 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

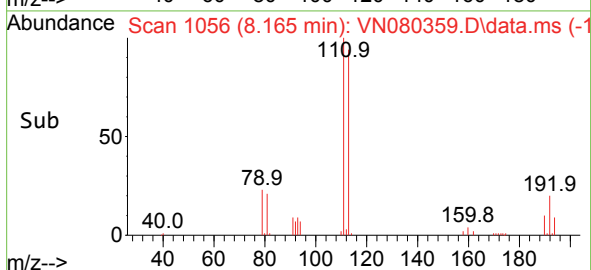
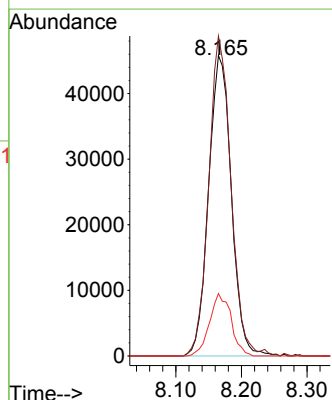
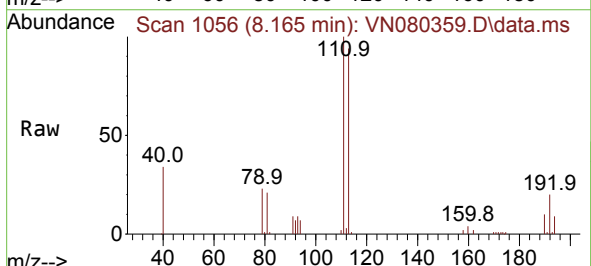
Tgt Ion:113 Resp: 110393

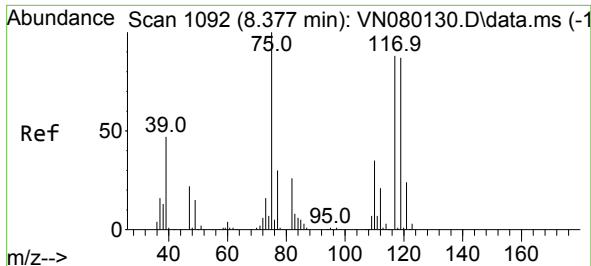
Ion Ratio Lower Upper

113 100

111 104.3 82.6 123.8

192 19.7 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

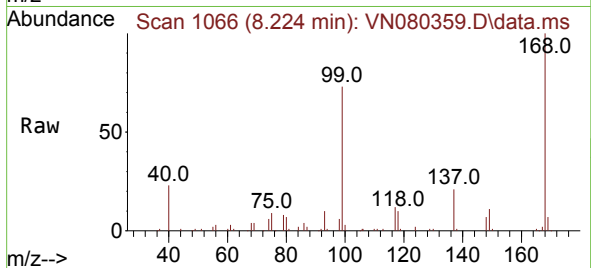
Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

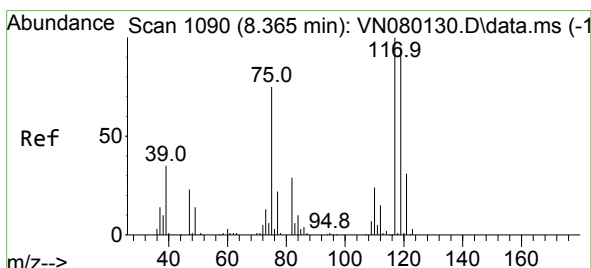
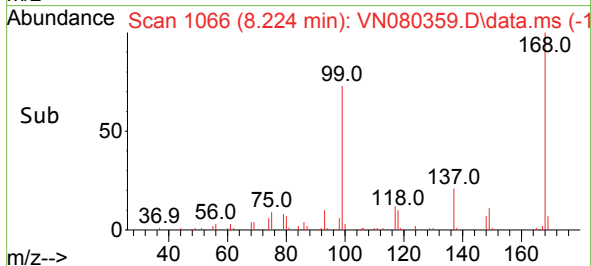
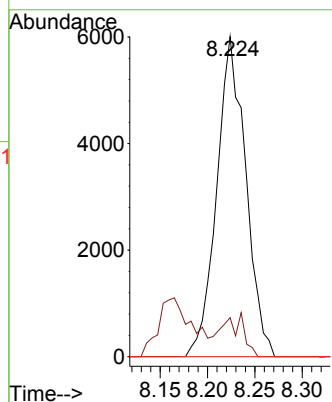
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	12818
Ion Ratio	Lower	Upper	
75	100		
110	9.5	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.711 ug/l

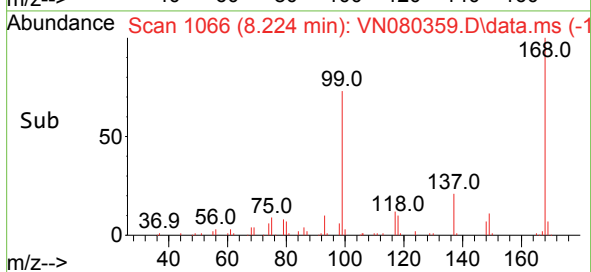
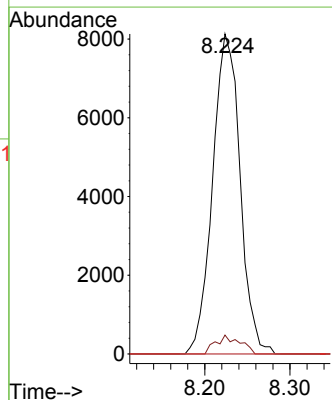
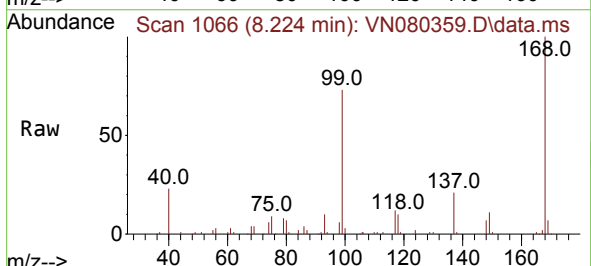
RT: 8.224 min Scan# 1066

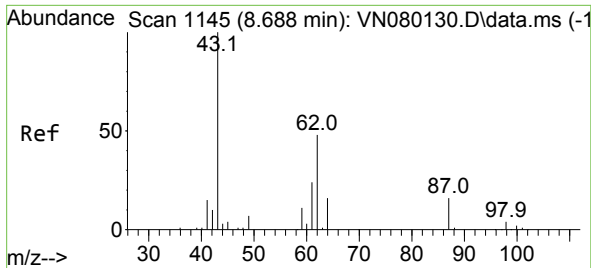
Delta R.T. -0.141 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Tgt Ion:	117	Resp:	18233
Ion Ratio	Lower	Upper	
117	100		
119	5.9	77.3	115.9#
121	0.0	23.3	34.9#

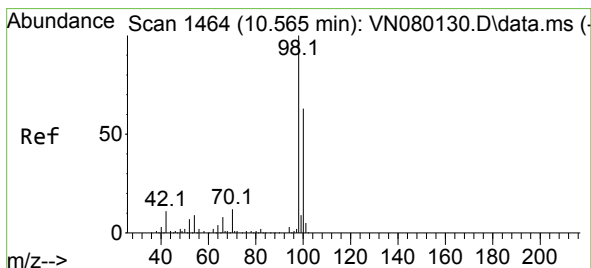
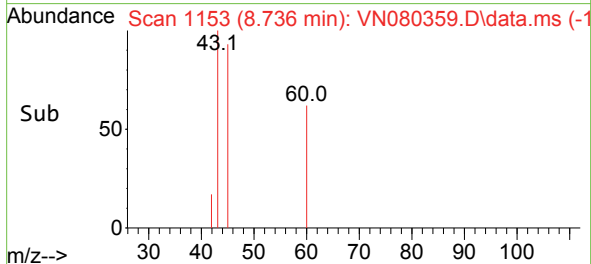
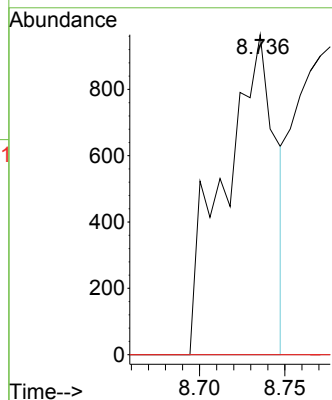
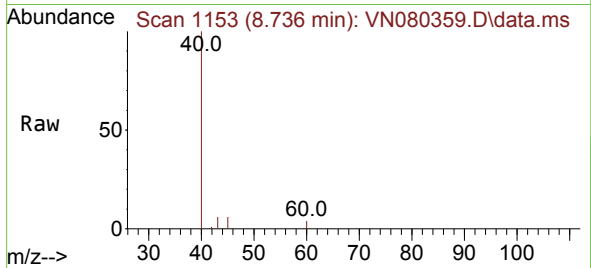




#43
Isopropyl Acetate
Concen: 0.493 ug/l
RT: 8.736 min Scan# 1145
Delta R.T. 0.047 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

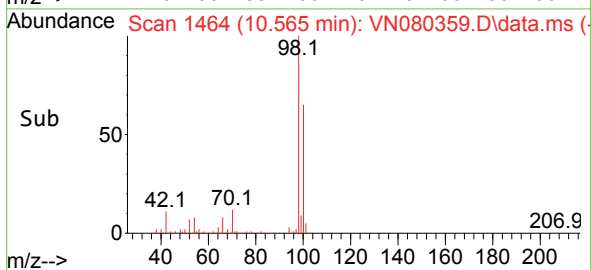
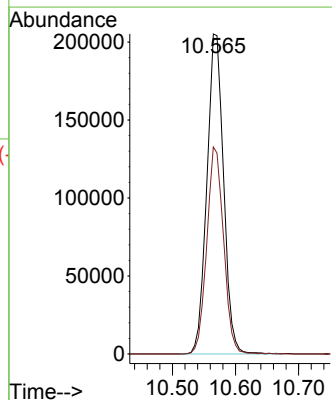
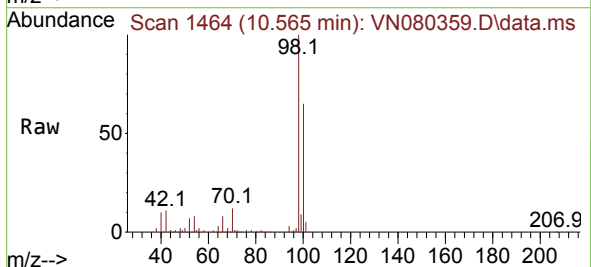
Instrument :
MSVOA_N
ClientSampleId :

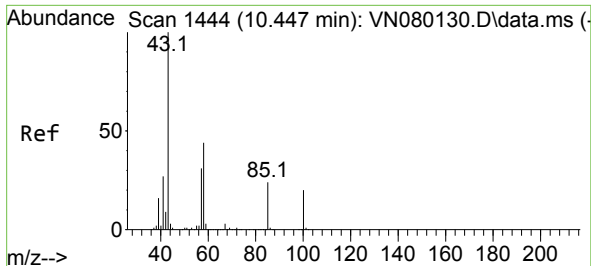
Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.726 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

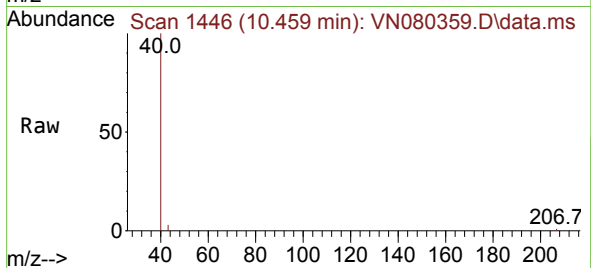
Tgt Ion: 98 Resp: 377565
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



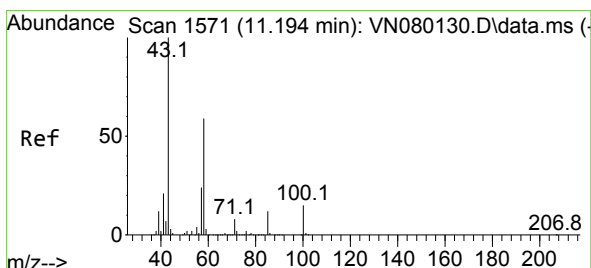
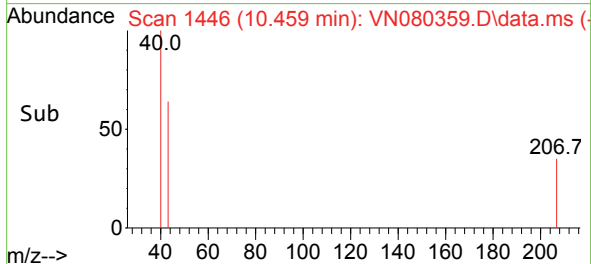
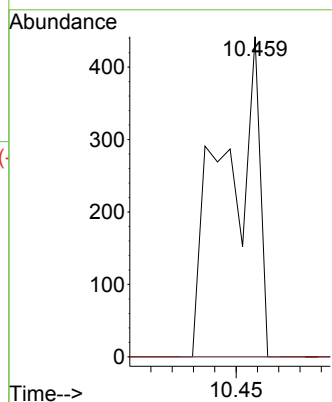


#51
4-Methyl-2-Pentanone
Concen: 0.238 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Instrument :
MSVOA_N
ClientSampleId :

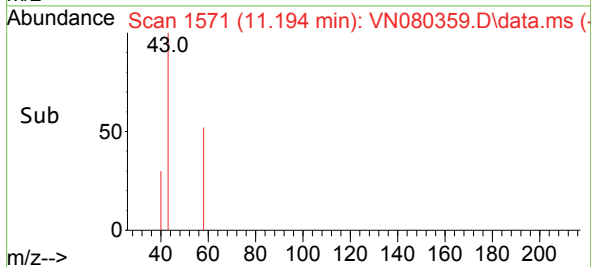
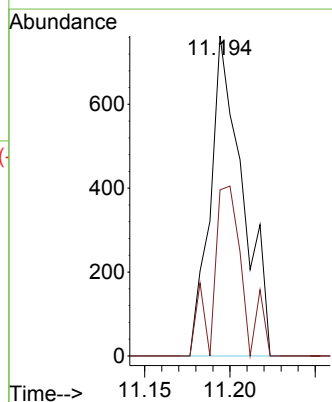
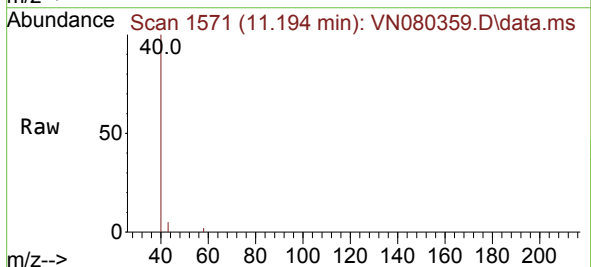


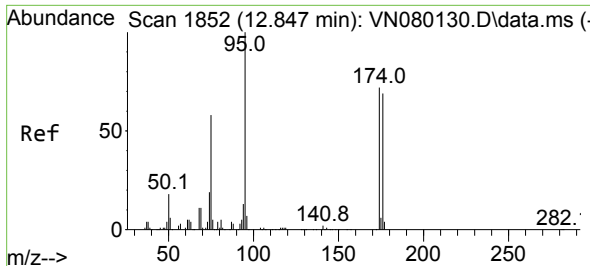
Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.587 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 48.5 31.7 95.1

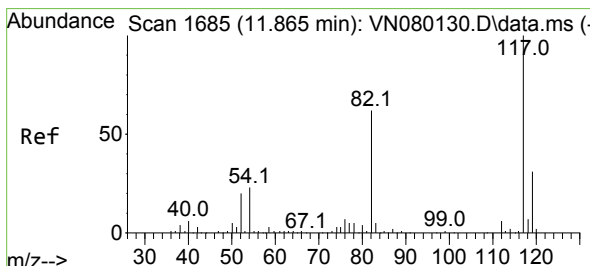
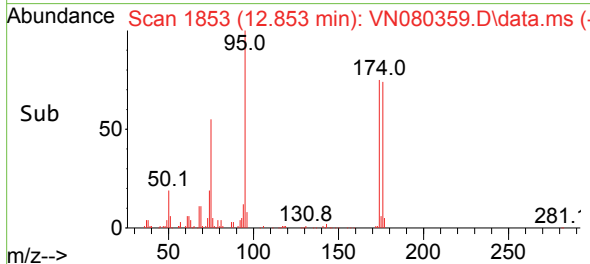
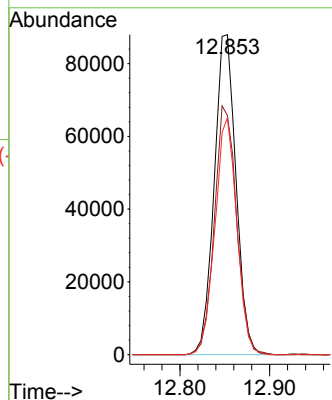
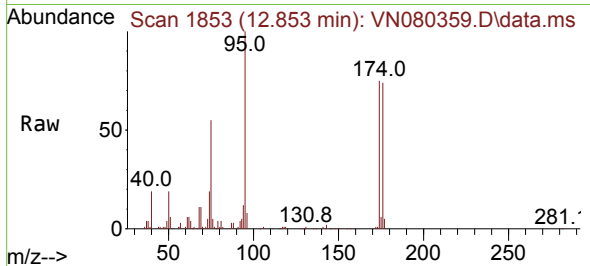




#62
4-Bromofluorobenzene
Concen: 51.651 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

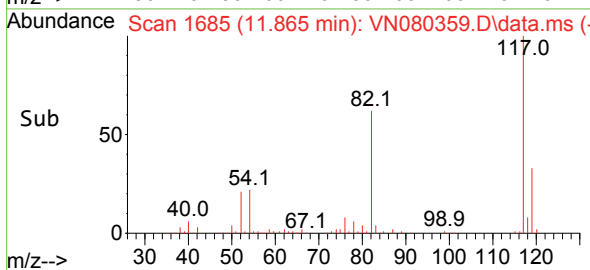
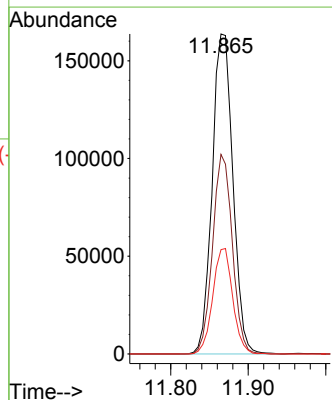
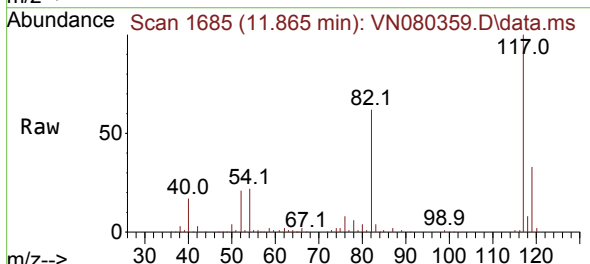
Instrument :
MSVOA_N
ClientSampleId :

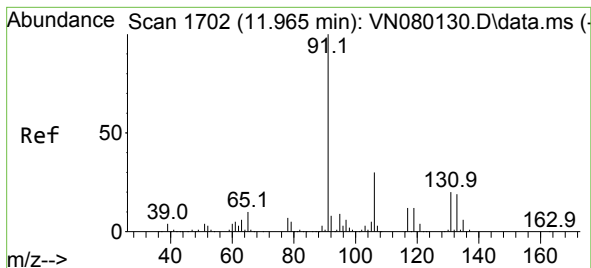
Tgt Ion: 95 Resp: 148133
Ion Ratio Lower Upper
95 100
174 79.5 0.0 143.8
176 74.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Tgt Ion: 117 Resp: 304122
Ion Ratio Lower Upper
117 100
82 62.3 44.0 66.0
119 32.6 25.6 38.4





#67

Ethyl Benzene

Concen: 0.479 ug/l

RT: 11.959 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Instrument :

MSVOA_N

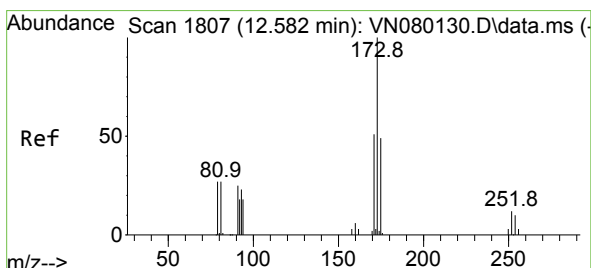
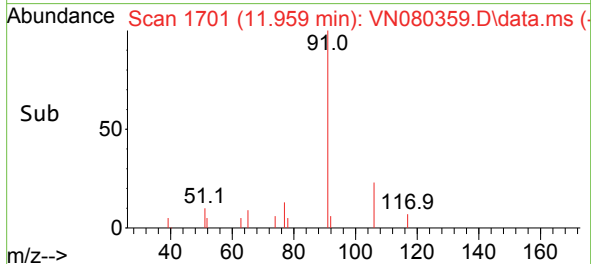
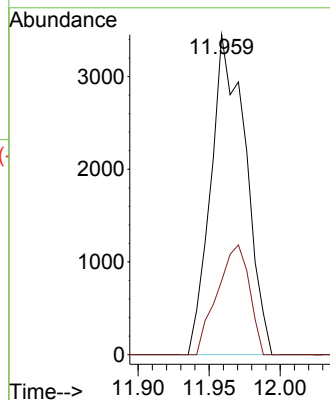
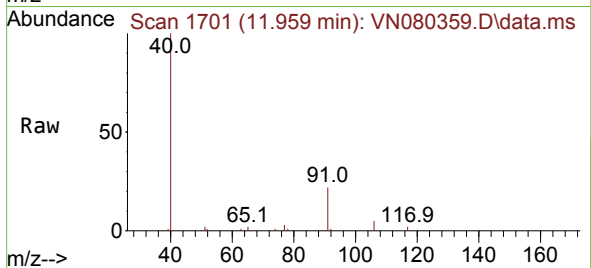
ClientSampleId :

Tgt Ion: 91 Resp: 5871

Ion Ratio Lower Upper

91 100

106 23.1 25.6 38.4#



#71

Bromoform

Concen: 0.280 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.259 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

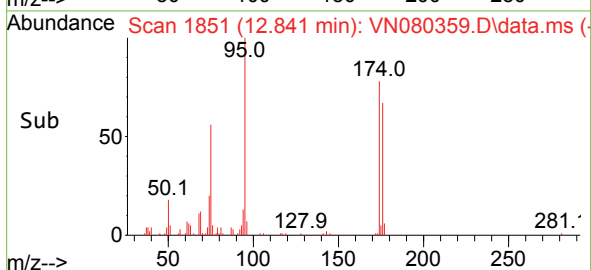
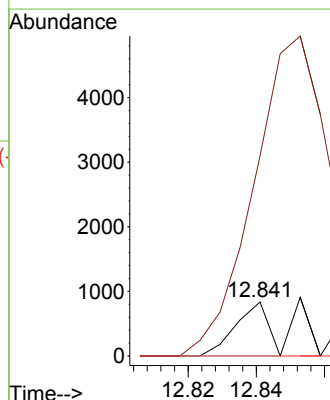
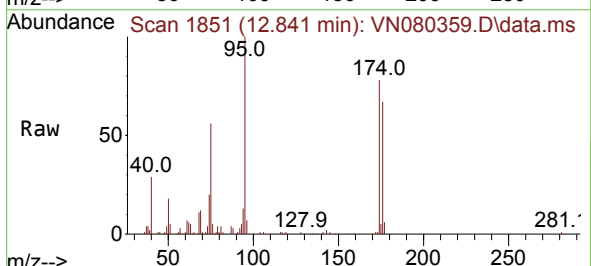
Tgt Ion: 173 Resp: 555

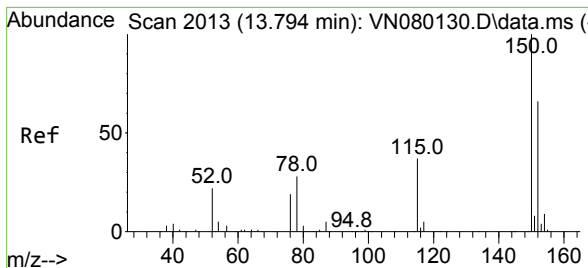
Ion Ratio Lower Upper

173 100

175 1212.3 24.3 73.0#

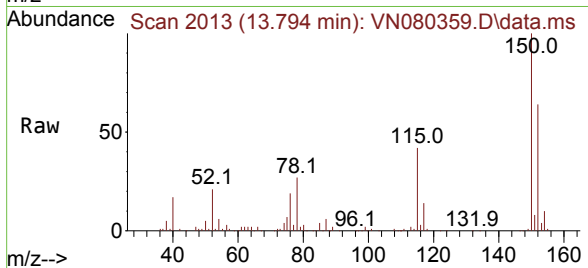
254 0.0 0.0 0.0



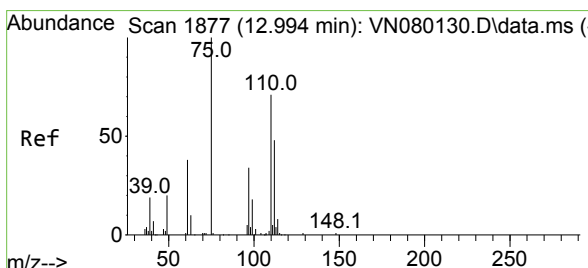
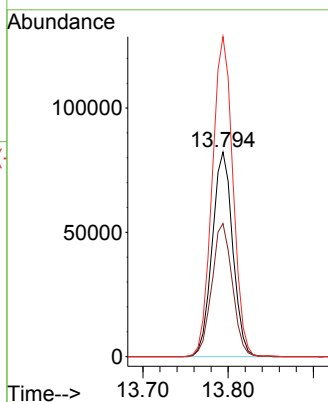
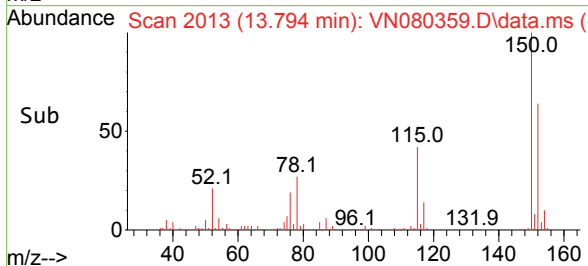


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080359.D
 Acq: 05 Dec 2023 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

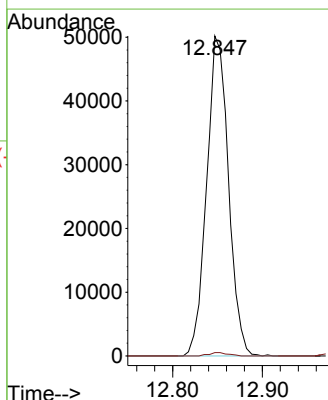
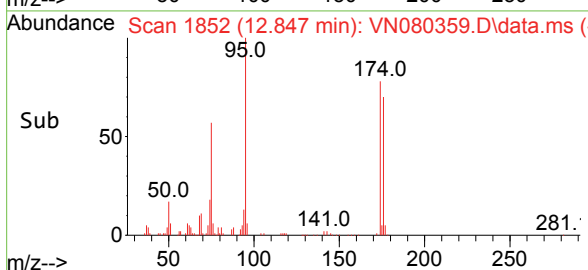
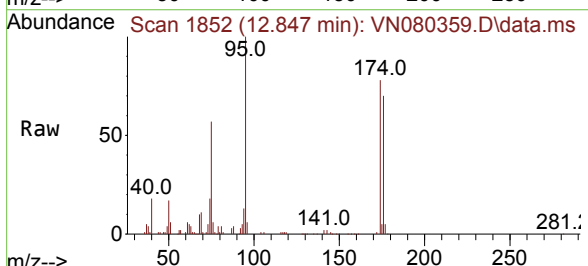


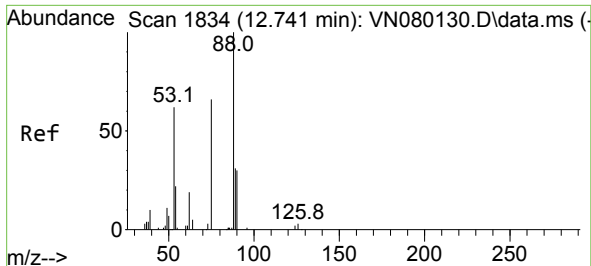
Tgt Ion:152 Resp: 137523
 Ion Ratio Lower Upper
 152 100
 115 65.2 32.3 96.8
 150 157.8 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.194 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080359.D
 Acq: 05 Dec 2023 12:25

Tgt Ion: 75 Resp: 84893
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#

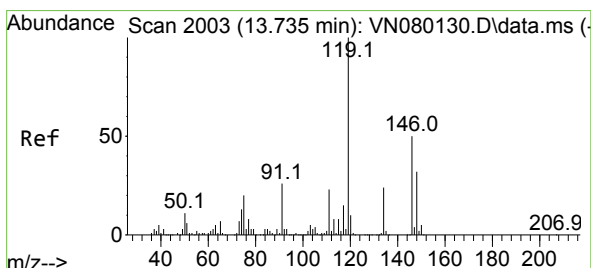
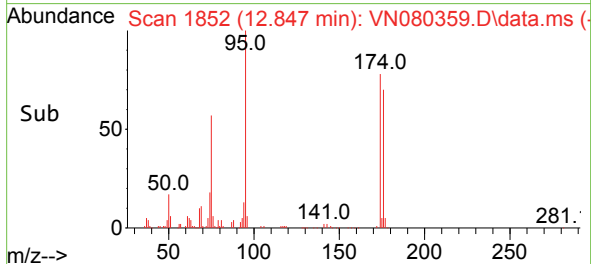
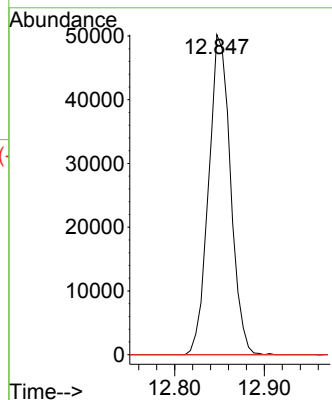
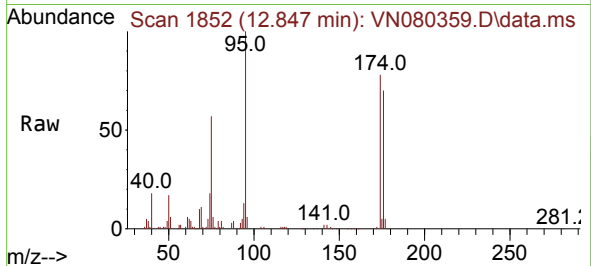




#81
trans-1,4-Dichloro-2-butene
Concen: 85.121 ug/l
RT: 12.847 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

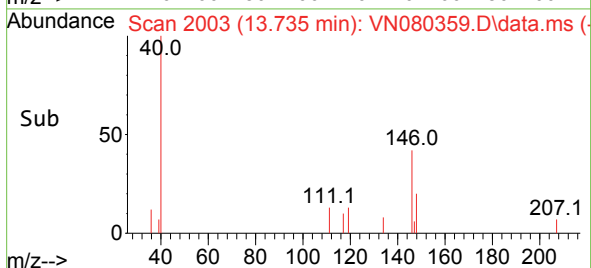
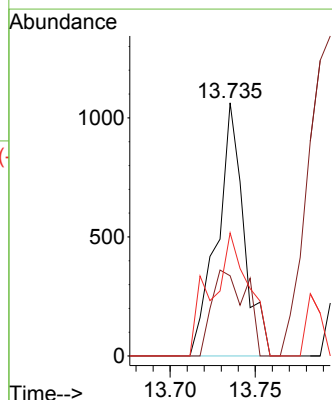
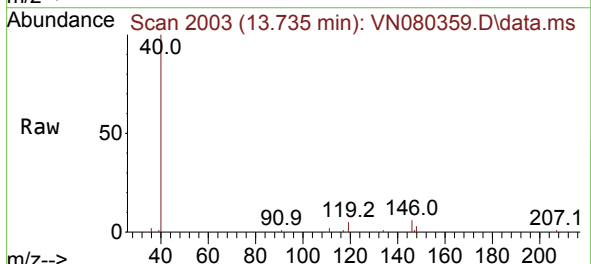
Instrument :
MSVOA_N
ClientSampleId :

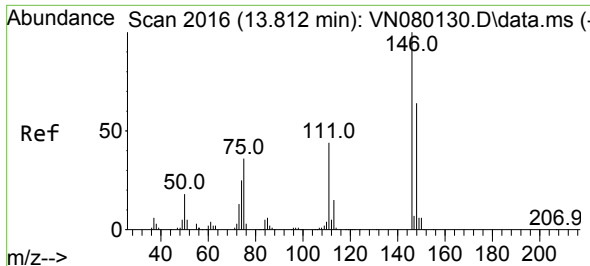
Tgt Ion: 75 Resp: 84893
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#87
1,3-Dichlorobenzene
Concen: 0.240 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

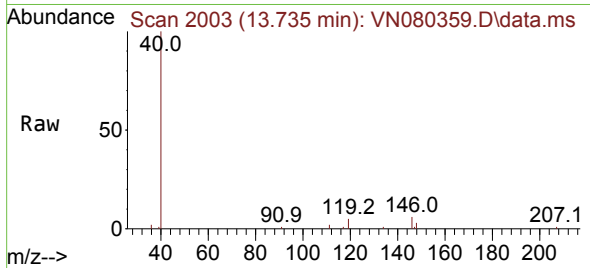
Tgt Ion:146 Resp: 1163
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.3
148 68.0 32.0 96.0



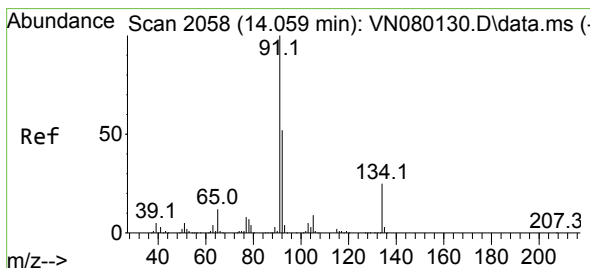
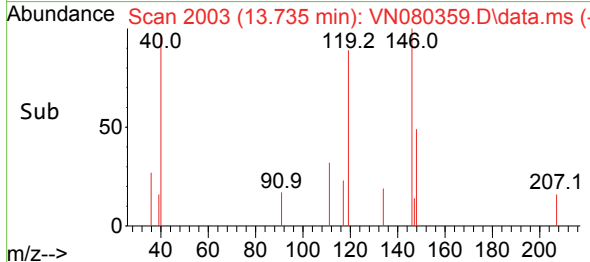
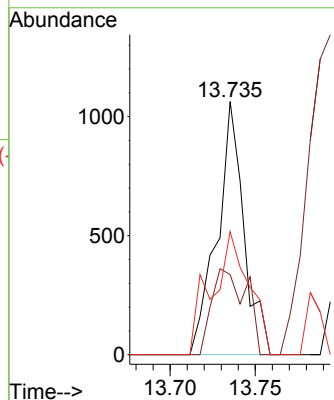


#88
1,4-Dichlorobenzene
Concen: 0.238 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Instrument :
MSVOA_N
ClientSampleId :

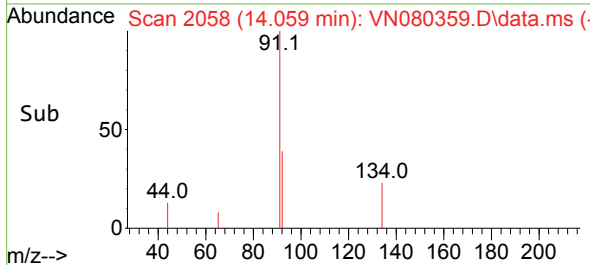
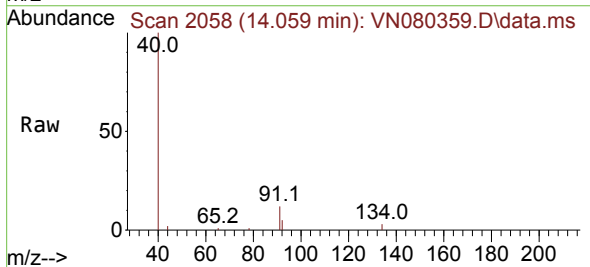
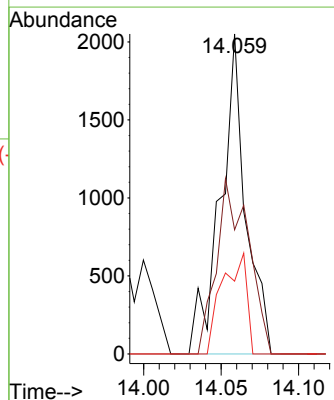


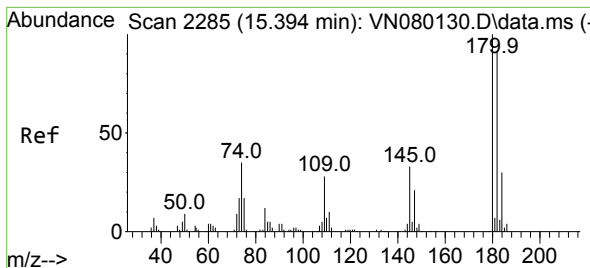
Tgt Ion:146 Resp: 1163
Ion Ratio Lower Upper
146 100
111 43.6 20.6 61.8
148 68.0 31.6 94.8



#89
n-Butylbenzene
Concen: 0.329 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080359.D
Acq: 05 Dec 2023 12:25

Tgt Ion: 91 Resp: 2322
Ion Ratio Lower Upper
91 100
92 69.6 26.4 79.0
134 30.6 12.6 37.6





#93

1,2,4-Trichlorobenzene

Concen: 0.923 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN080359.D

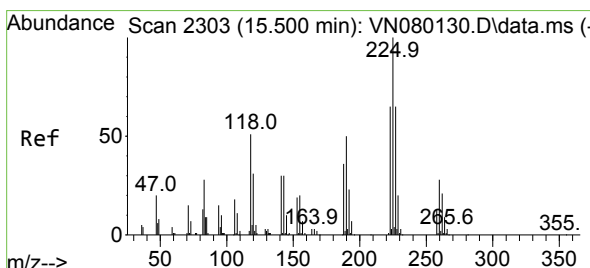
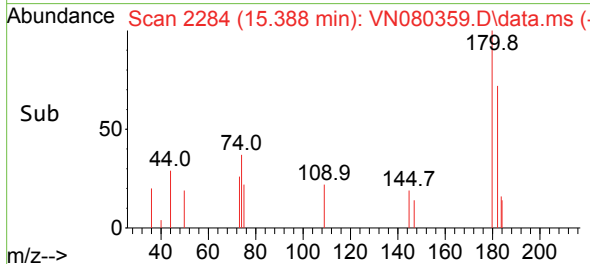
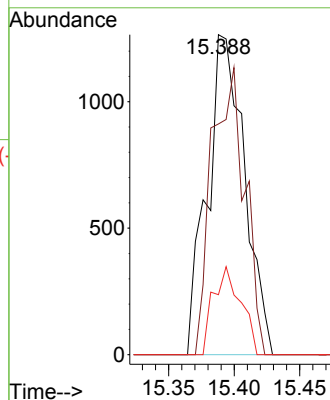
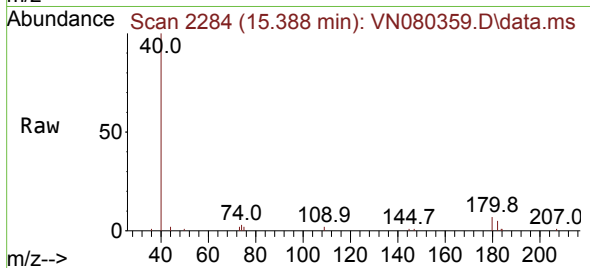
Acq: 05 Dec 2023 12:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	2494
Ion Ratio	Lower	Upper
180	100	
182	79.7	46.1 138.2
145	20.3	16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.959 ug/l

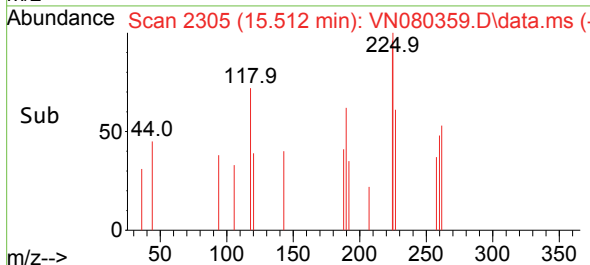
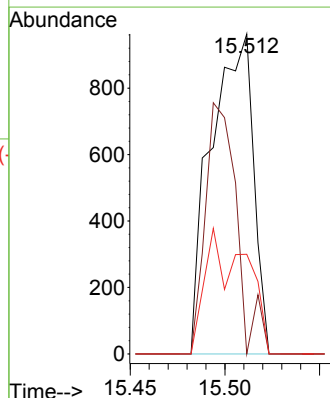
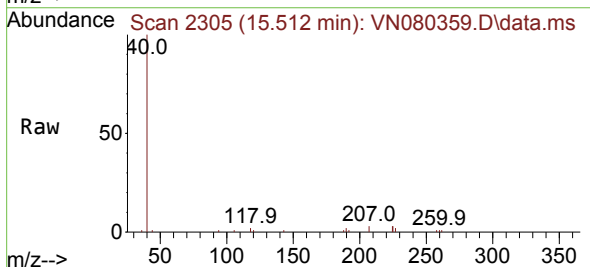
RT: 15.512 min Scan# 2305

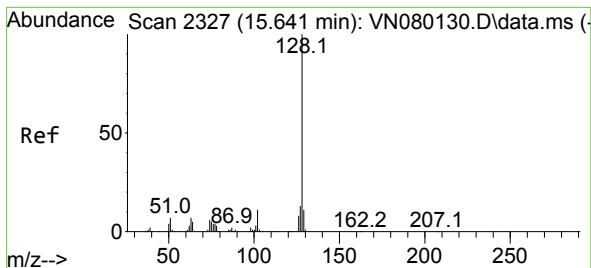
Delta R.T. 0.012 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Tgt Ion:225	Resp:	1491
Ion Ratio	Lower	Upper
225	100	
223	58.3	31.3 93.8
227	18.0	31.9 95.9#





#95

Naphthalene

Concen: 3.425 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080359.D

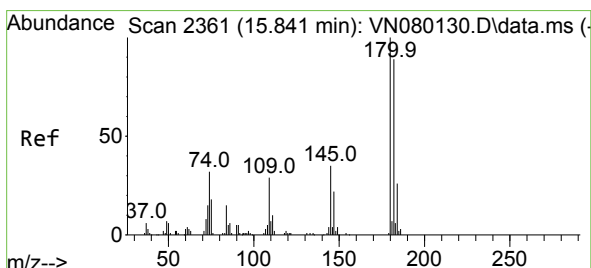
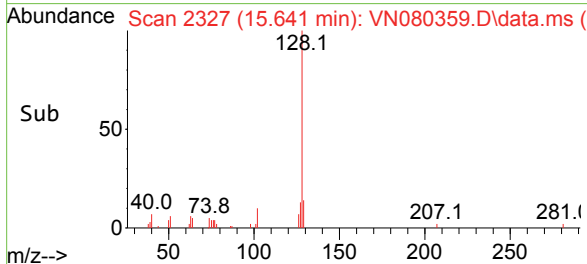
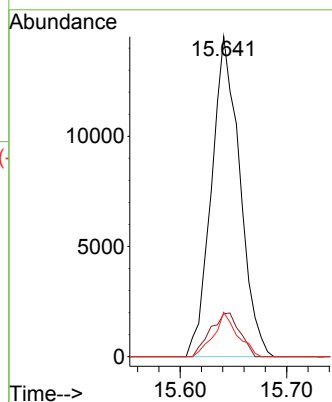
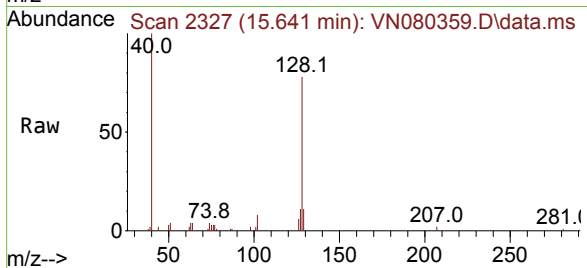
Acq: 05 Dec 2023 12:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	26835
Ion Ratio	Lower	Upper
128	100	
127	14.2	10.0 15.0
129	11.6	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.994 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080359.D

Acq: 05 Dec 2023 12:25

Tgt Ion:180	Resp:	2518
Ion Ratio	Lower	Upper
180	100	
182	100.8	46.2 138.6
145	39.5	17.5 52.6

