

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080355.D
 Acq On : 05 Dec 2023 10:40
 Operator : JC\MD
 Sample : VN1205MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:47:16 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)

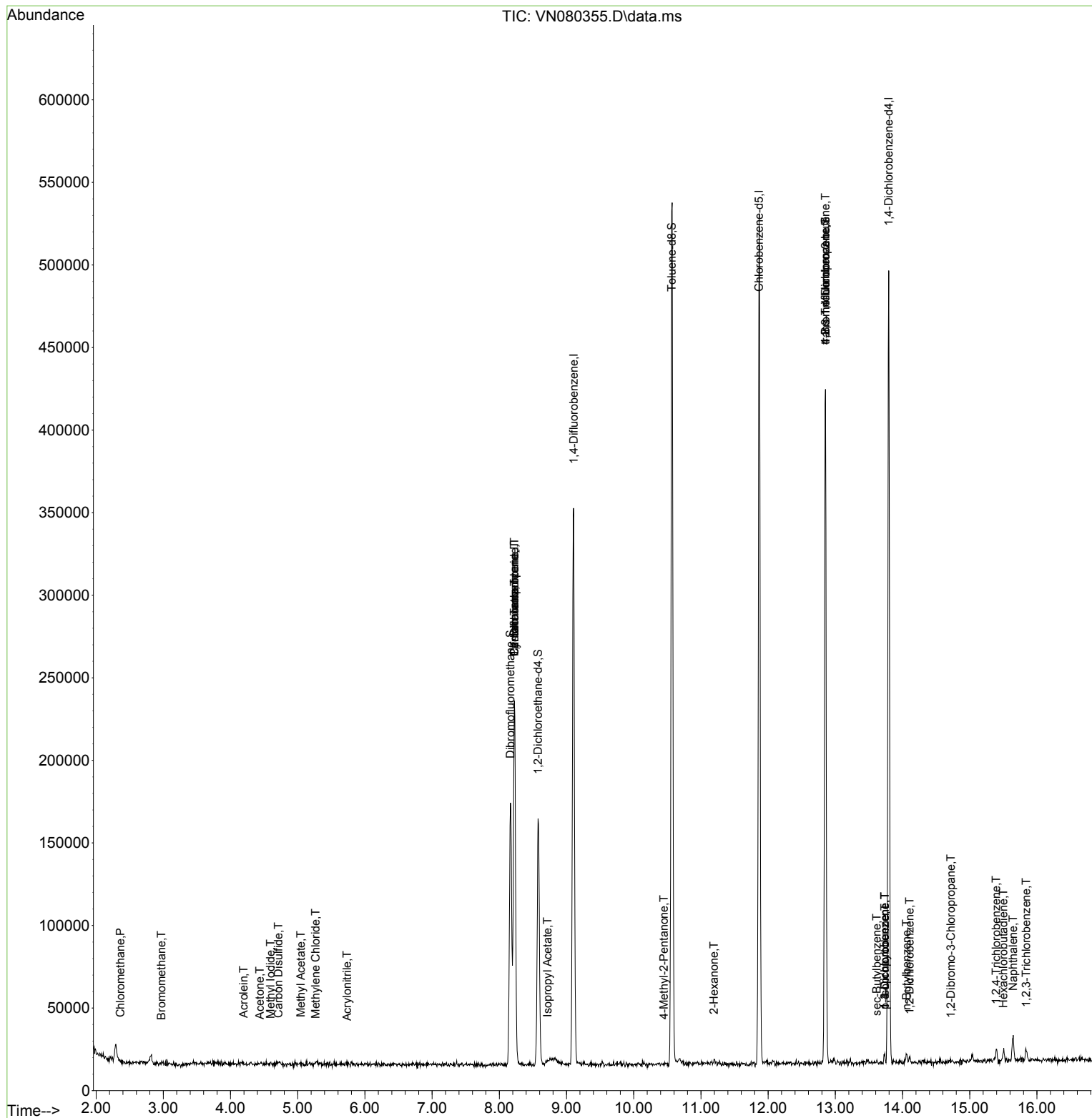
Internal Standards						
1) Pentafluorobenzene	8.224	168	154290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139816	54.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.760%			
35) Dibromofluoromethane	8.165	113	111208	53.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.565	98	369100	49.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.720%			
62) 4-Bromofluorobenzene	12.853	95	141016	49.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.860%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	682	0.395	ug/l #	42
5) Bromomethane	2.971	94	459	0.370	ug/l #	73
6) Chloroethane	3.136	64	243	Below Cal	#	43
10) Methyl Iodide	4.595	142	533	0.283	ug/l #	38
13) Acrolein	4.195	56	58	0.234	ug/l #	69
15) Acrylonitrile	5.736	53	521	0.693	ug/l #	58
16) Acetone	4.436	43	578	0.675	ug/l #	40
17) Carbon Disulfide	4.712	76	2380	0.489	ug/l #	75
18) Methyl Acetate	5.048	43	1221	0.444	ug/l #	69
20) Methylene Chloride	5.265	84	696	0.388	ug/l #	68
31) Cyclohexane	8.224	56	3518	1.270	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	12654	4.213	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17838	4.680	ug/l #	16
43) Isopropyl Acetate	8.718	43	1399	0.345	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	536	0.255	ug/l #	31
59) 2-Hexanone	11.194	43	1252	0.742	ug/l	95
76) 1,2,3-Trichloropropane	12.853	75	79145	24.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79145	83.763	ug/l #	15
85) sec-Butylbenzene	13.618	105	1833	0.205	ug/l	92
86) p-Isopropyltoluene	13.735	119	1712	0.214	ug/l	90
87) 1,3-Dichlorobenzene	13.735	146	1595	0.347	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	1595	0.345	ug/l	97
89) n-Butylbenzene	14.059	91	3229	0.483	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	1527	0.347	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	309	0.439	ug/l #	29
93) 1,2,4-Trichlorobenzene	15.394	180	2916	1.139	ug/l	98
94) Hexachlorobutadiene	15.500	225	1604	1.089	ug/l	88
95) Naphthalene	15.647	128	15202	2.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	3432	1.431	ug/l	93

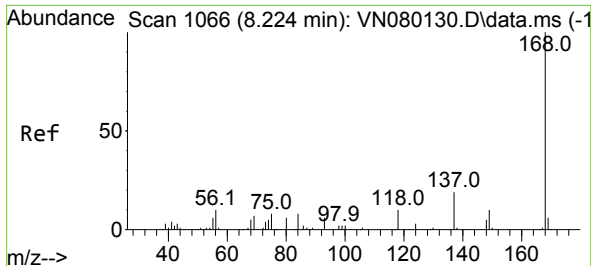
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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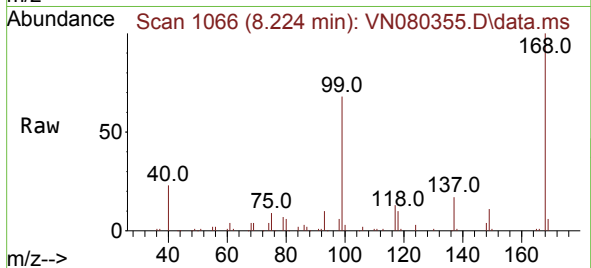
Quant Time: Dec 06 00:47:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
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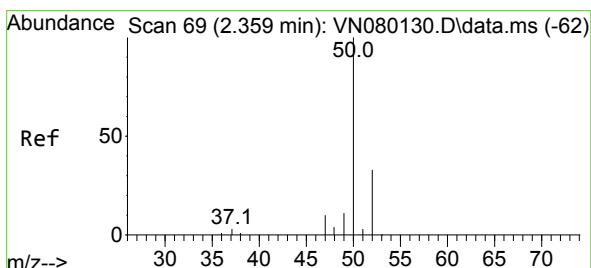
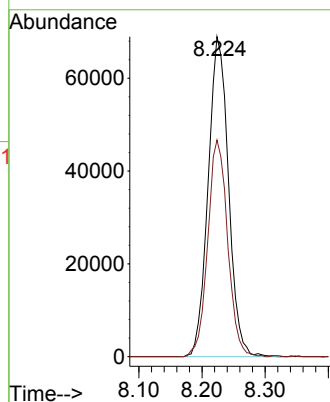
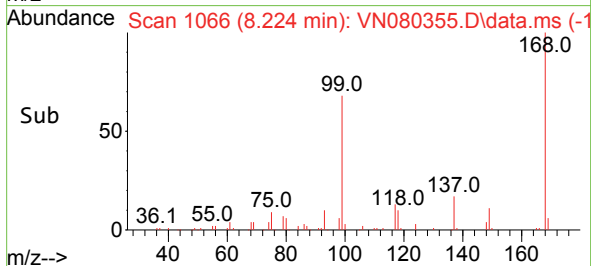


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Instrument :
MSVOA_N
ClientSampleId :

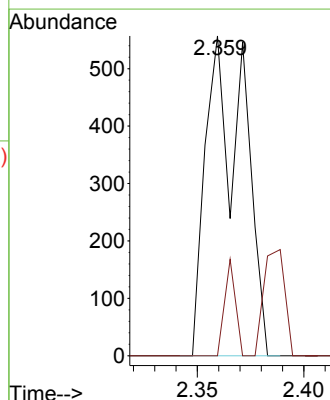
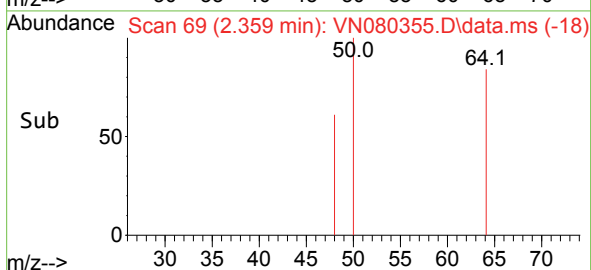
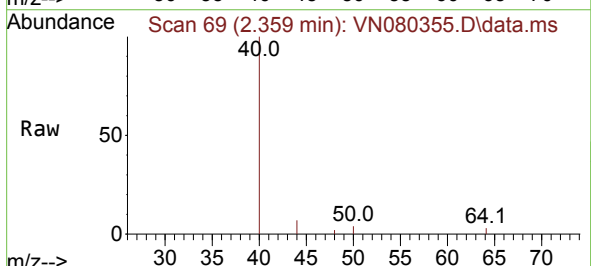


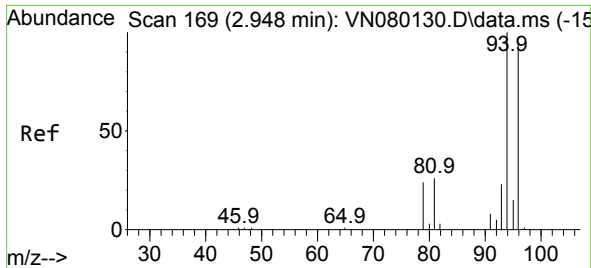
Tgt Ion:168 Resp: 154290
Ion Ratio Lower Upper
168 100
99 67.7 53.0 79.6



#3
Chloromethane
Concen: 0.395 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.370 ug/l

RT: 2.971 min Scan# 11

Delta R.T. 0.024 min

Lab File: VN080355.D

Acq: 05 Dec 2023 10:40

Instrument :

MSVOA_N

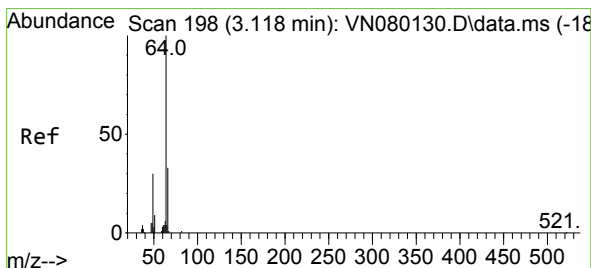
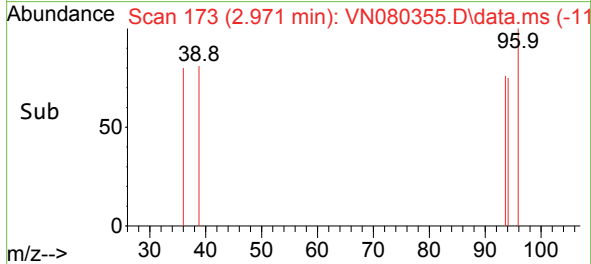
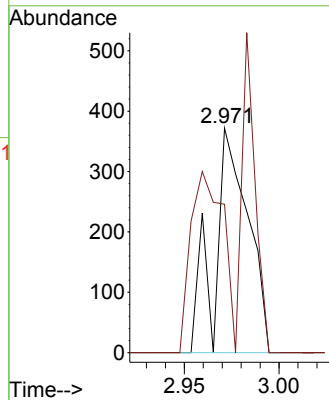
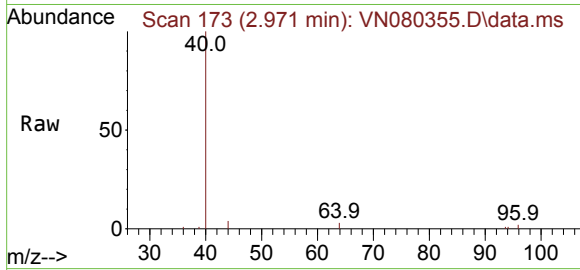
ClientSampleId :

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

94 100

96 66.1 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.136 min Scan# 201

Delta R.T. 0.018 min

Lab File: VN080355.D

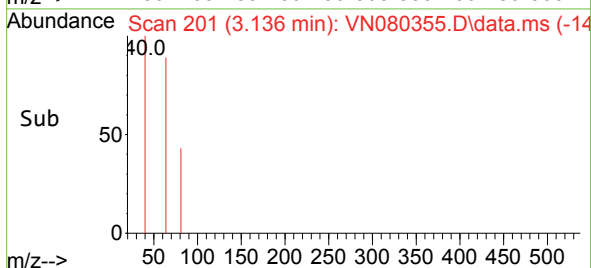
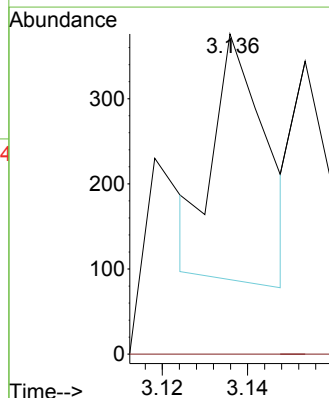
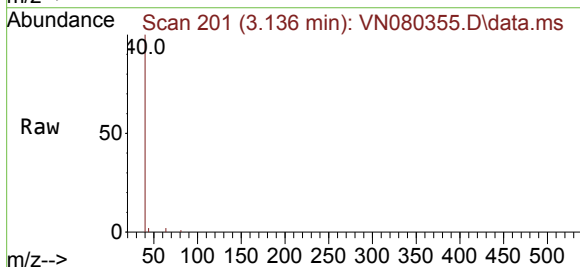
Acq: 05 Dec 2023 10:40

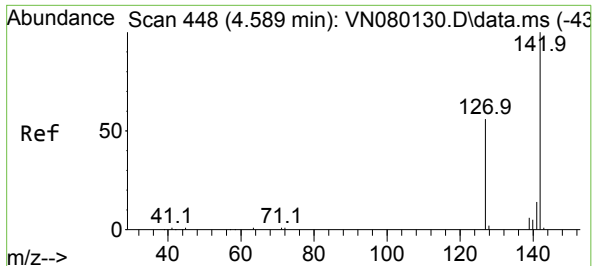
Tgt Ion: 64 Resp: 243

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

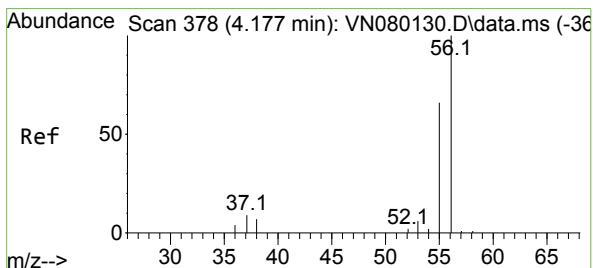
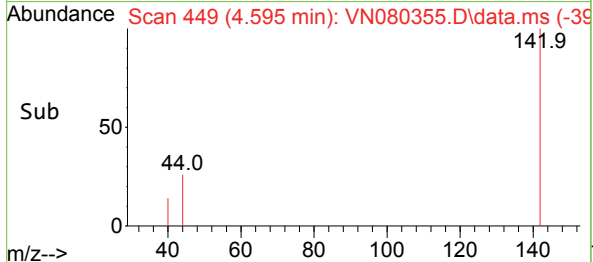
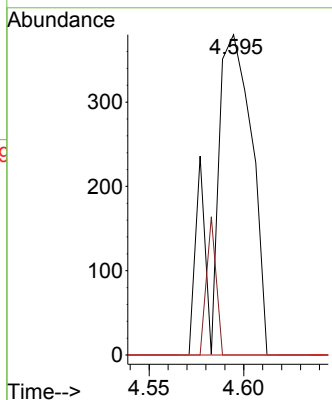
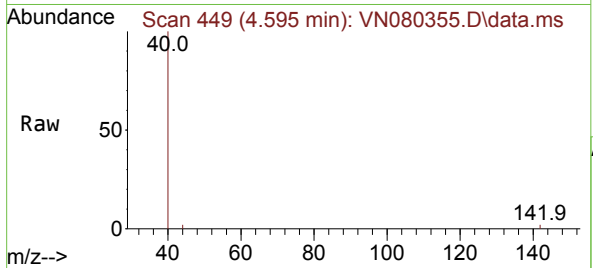




#10
Methyl Iodide
Concen: 0.283 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

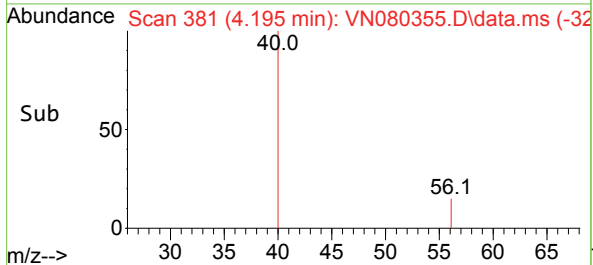
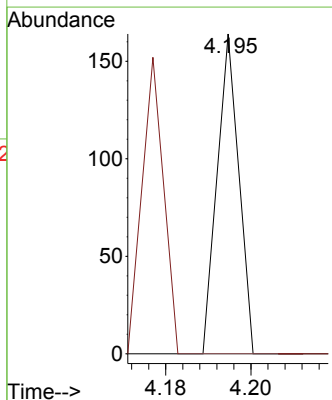
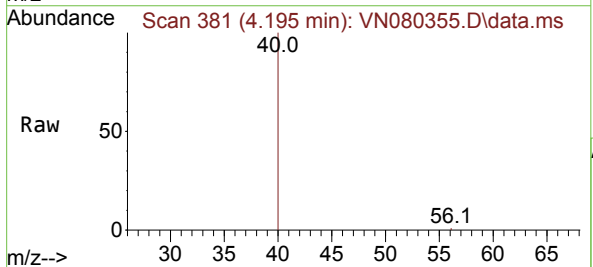
Instrument :
MSVOA_N
ClientSampleId :

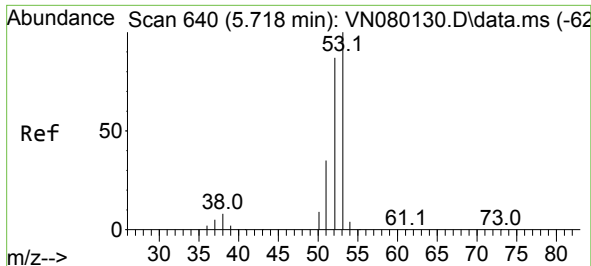
Tgt Ion:142 Resp: 533
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.234 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 93.1 54.5 81.7#

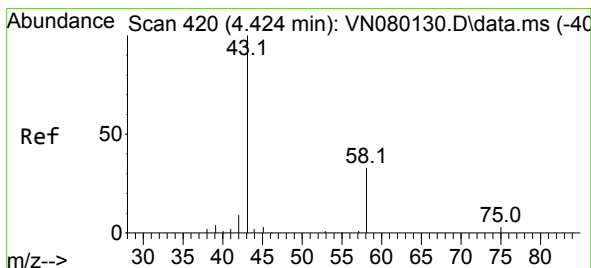
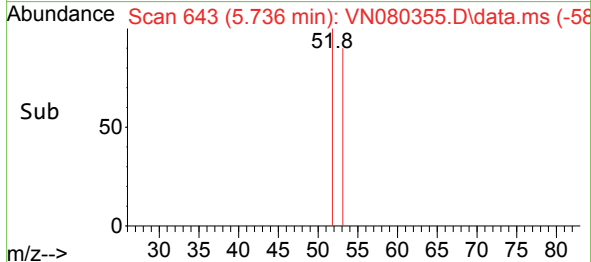
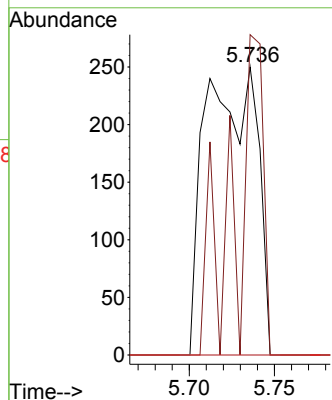
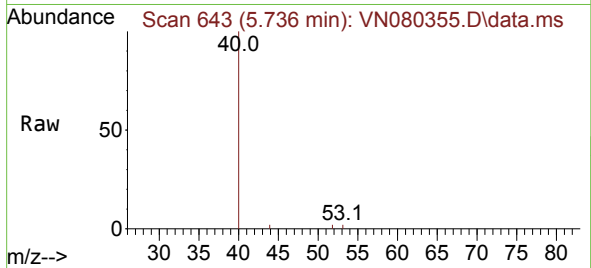




#15
Acrylonitrile
Concen: 0.693 ug/l
RT: 5.736 min Scan# 640
Delta R.T. 0.018 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

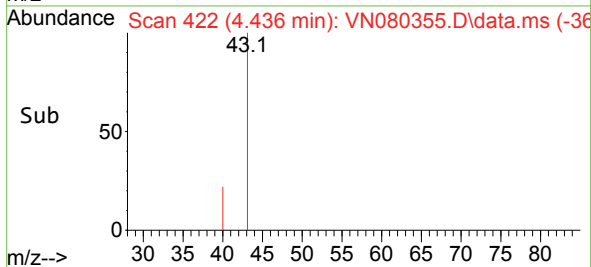
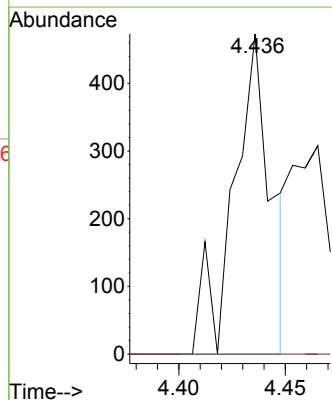
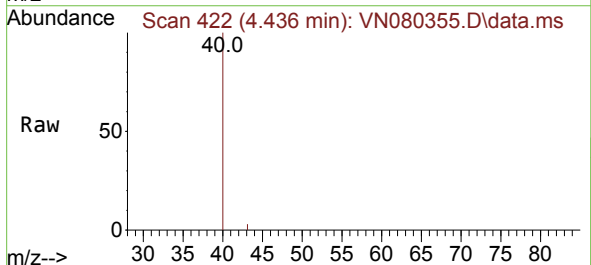
Instrument :
MSVOA_N
ClientSampleId :

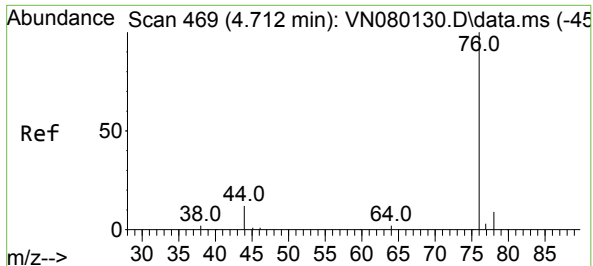
Tgt Ion: 53 Resp: 521
Ion Ratio Lower Upper
53 100
52 51.2 65.3 97.9#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.675 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

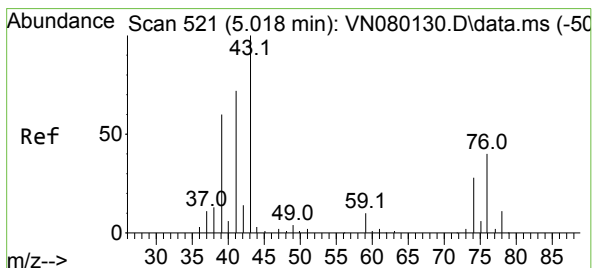
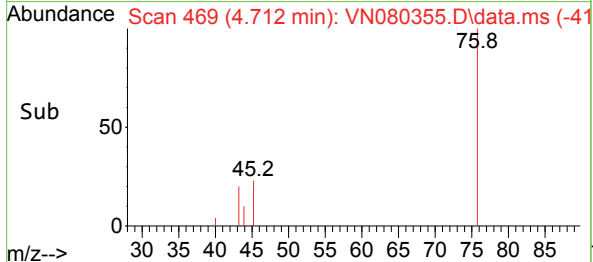
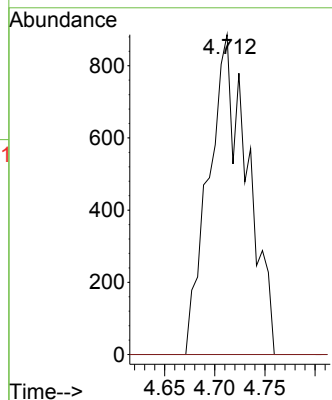
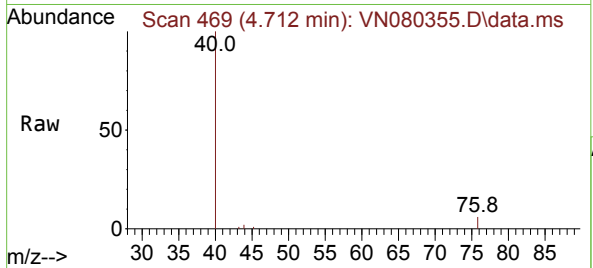




#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

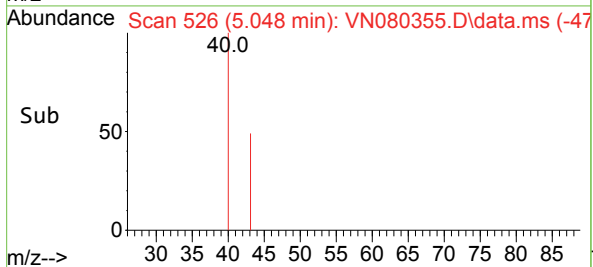
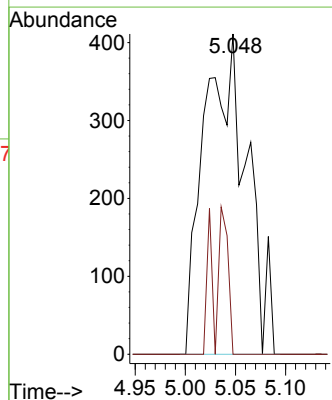
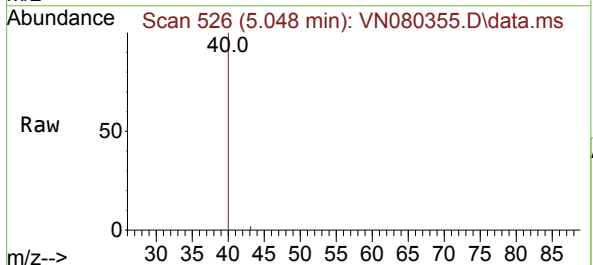
Instrument :
MSVOA_N
ClientSampleId :

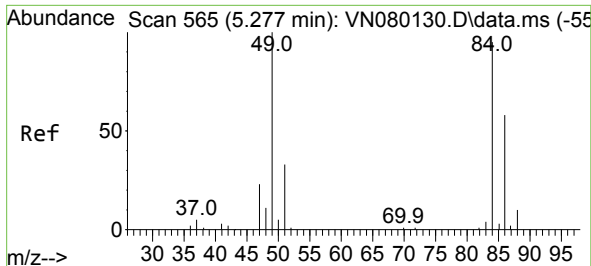
Tgt Ion: 76 Resp: 2380
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.029 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

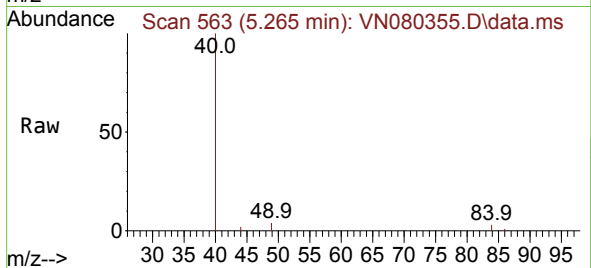
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 15.2 26.2 39.4#





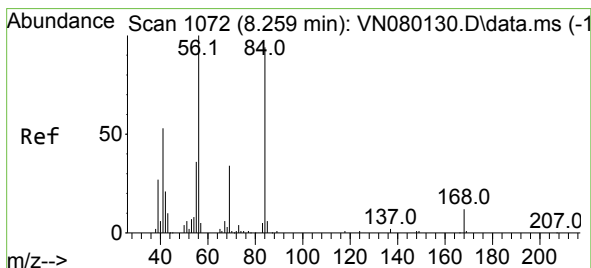
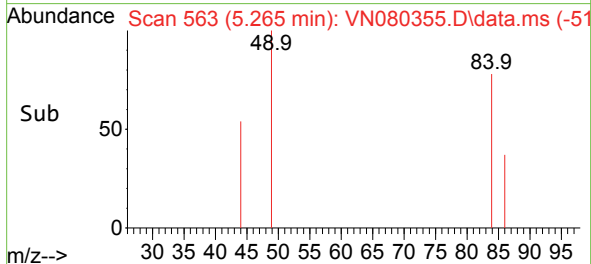
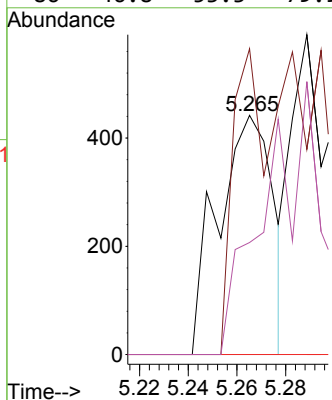
#20
Methylene Chloride
Concen: 0.388 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 696

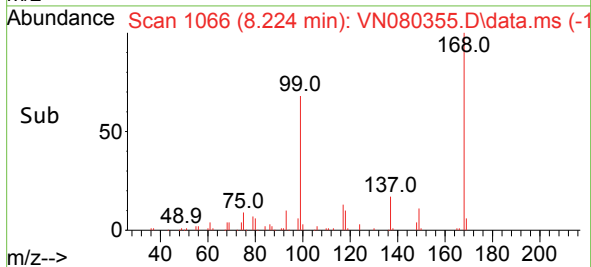
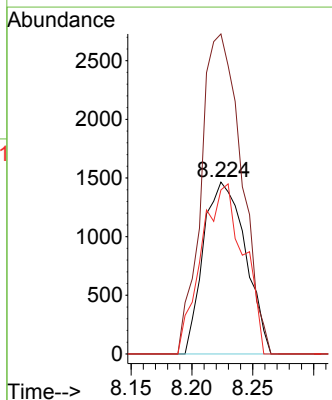
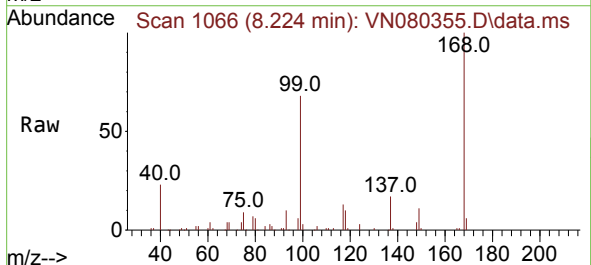
Ion	Ratio	Lower	Upper
84	100		
49	127.8	79.7	119.5#
51	0.0	25.2	37.8#
86	46.8	53.3	79.9#

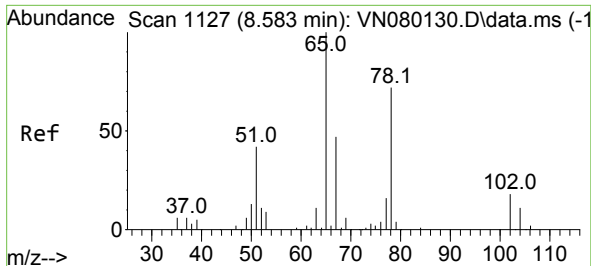


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 56 Resp: 3518

Ion	Ratio	Lower	Upper
56	100		
69	186.2	26.8	40.2#
84	95.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 54.882 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080355.D

Acq: 05 Dec 2023 10:40

Instrument :

MSVOA_N

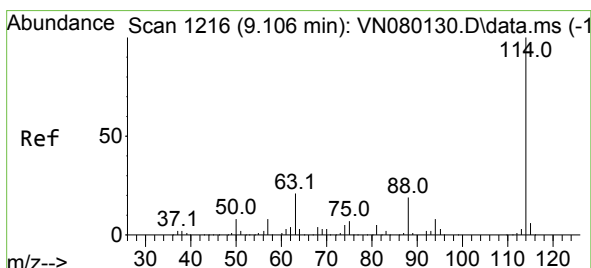
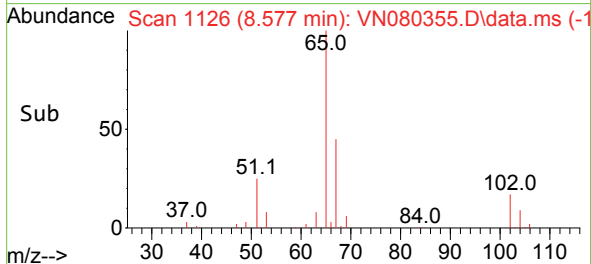
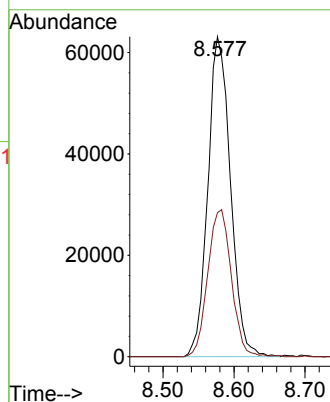
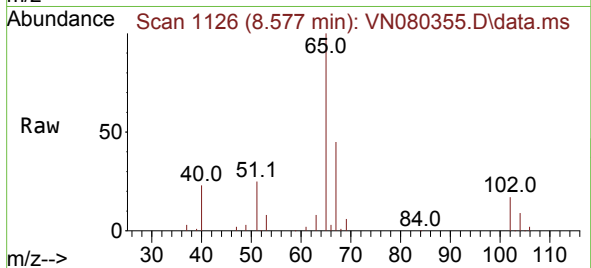
ClientSampleId :

Tgt Ion: 65 Resp: 139816

Ion Ratio Lower Upper

65 100

67 48.0 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: VN080355.D

Acq: 05 Dec 2023 10:40

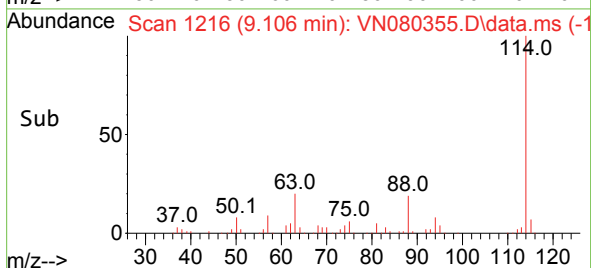
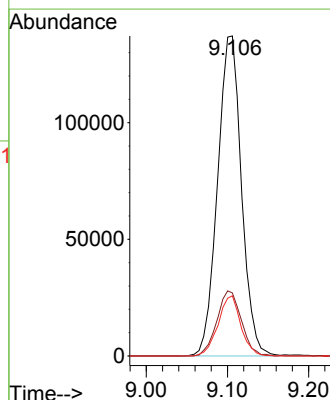
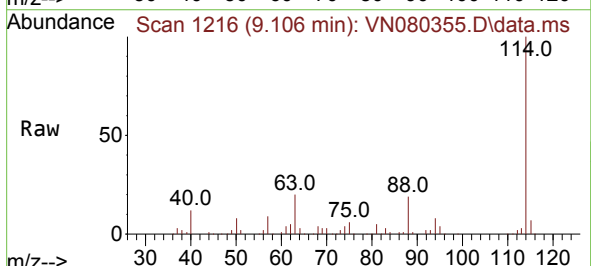
Tgt Ion: 114 Resp: 281127

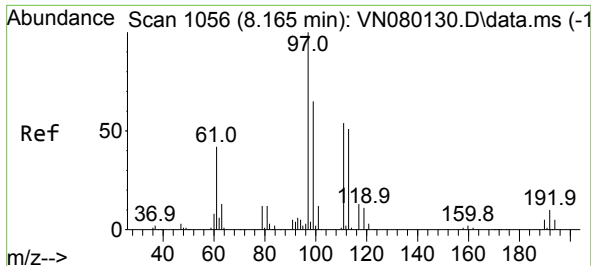
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 18.8 0.0 30.6

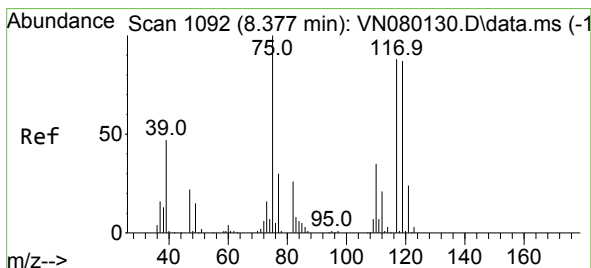
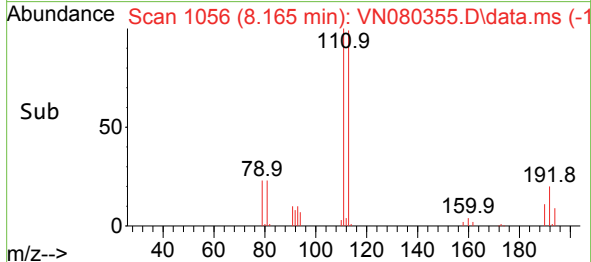
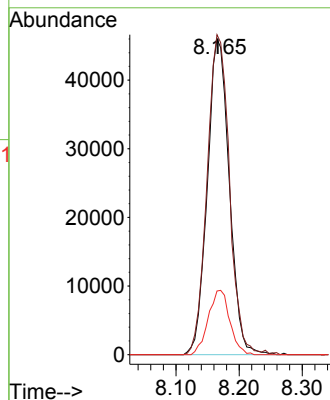
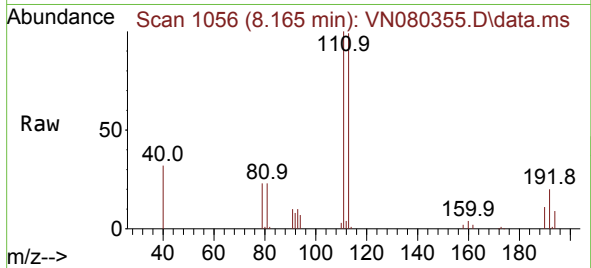




#35
Dibromofluoromethane
Concen: 53.611 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

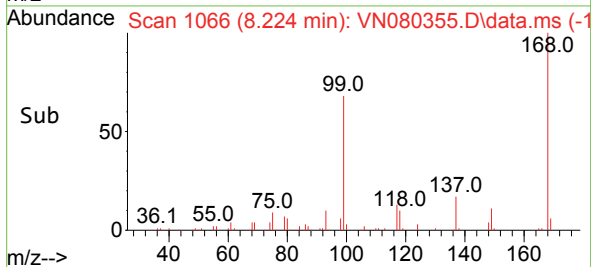
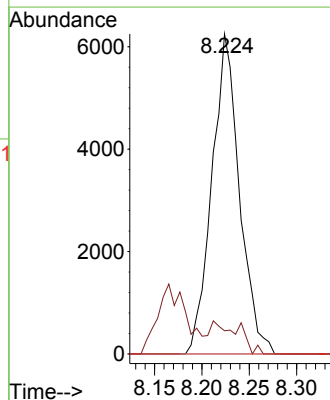
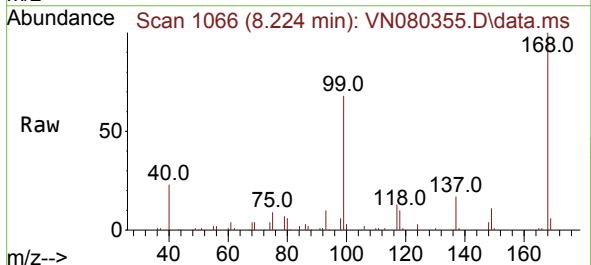
Instrument :
MSVOA_N
ClientSampleId :

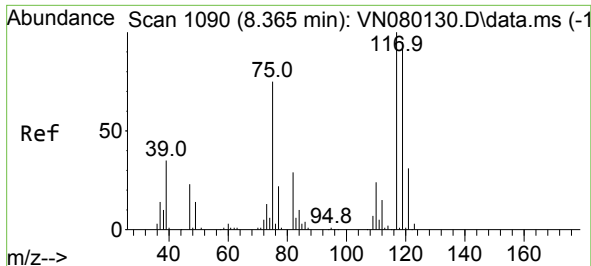
Tgt Ion:113 Resp: 111208
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 20.0 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

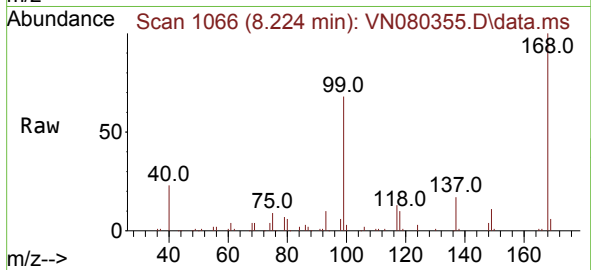
Tgt Ion: 75 Resp: 12654
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#



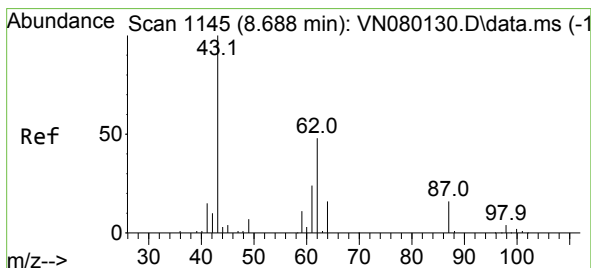
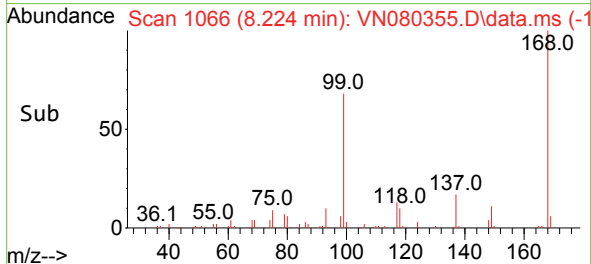
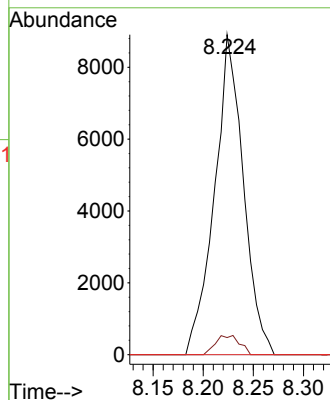


#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 8.224 min Scan# 1150
Delta R.T. -0.141 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Instrument :
MSVOA_N
ClientSampleId :

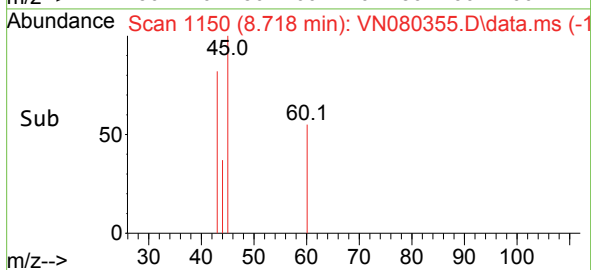
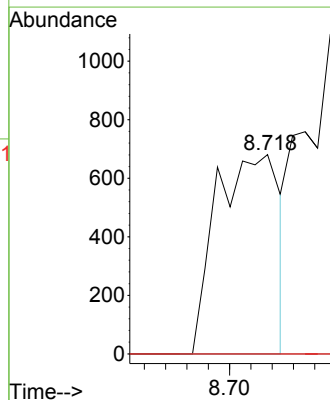
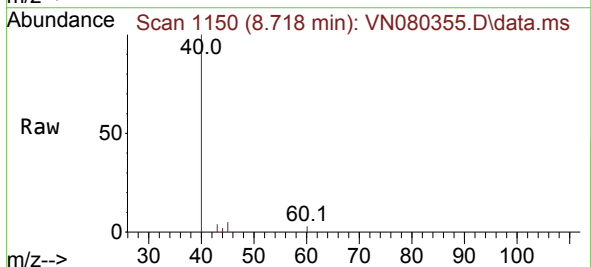


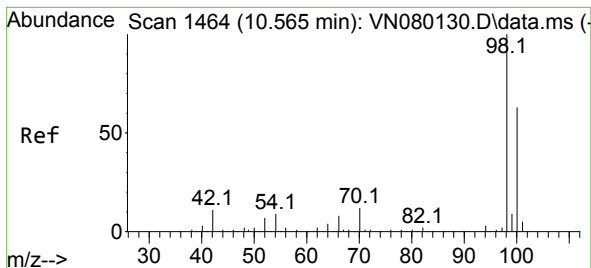
Tgt Ion:117 Resp: 17838
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.345 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 49.361 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN080355.D

Acq: 05 Dec 2023 10:40

Instrument :

MSVOA_N

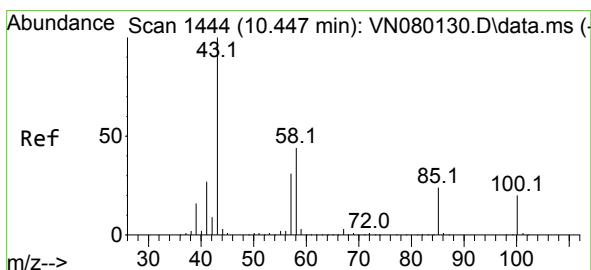
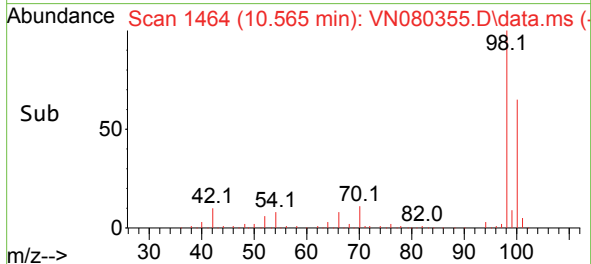
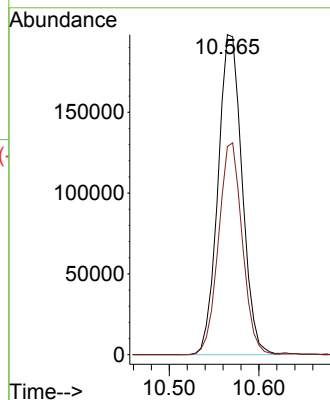
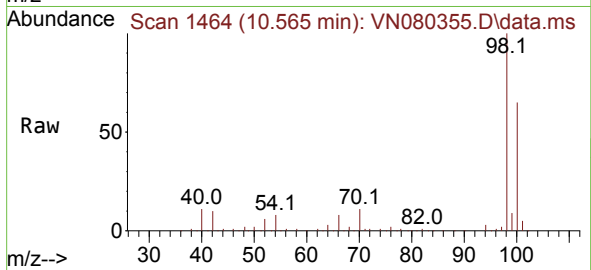
ClientSampleId :

Tgt Ion: 98 Resp: 369100

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080355.D

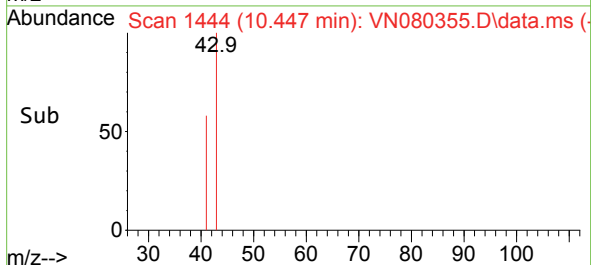
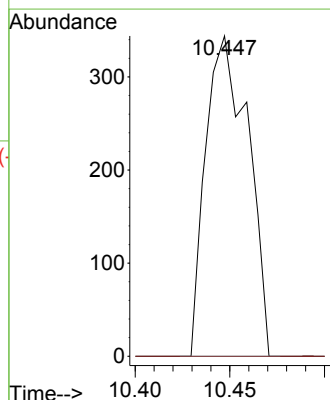
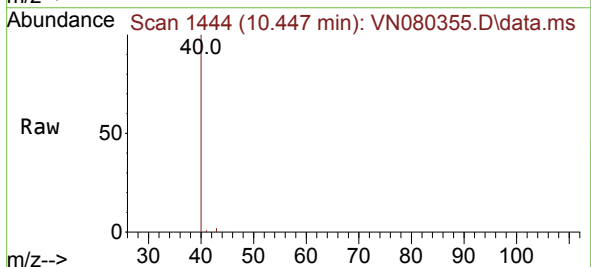
Acq: 05 Dec 2023 10:40

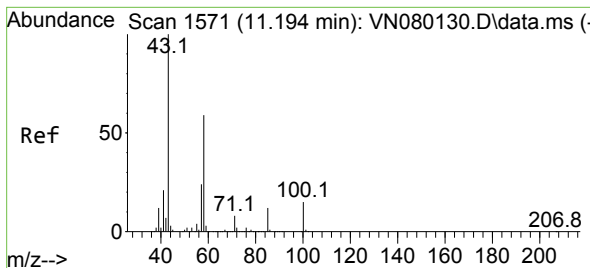
Tgt Ion: 43 Resp: 536

Ion Ratio Lower Upper

43 100

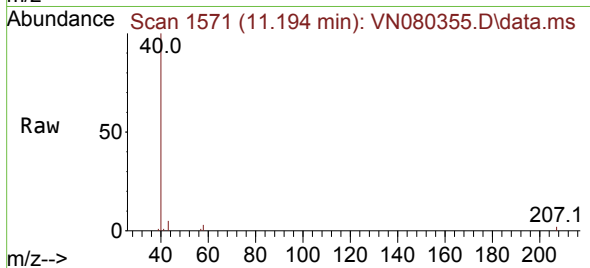
58 0.0 36.6 54.8#



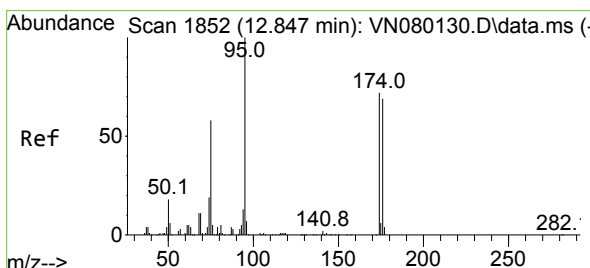
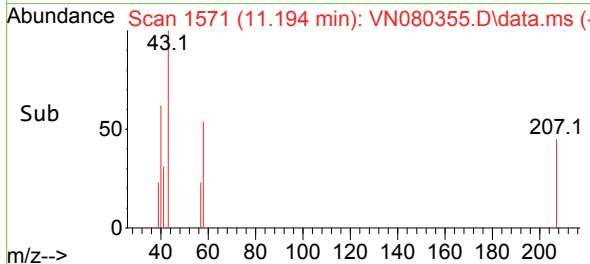
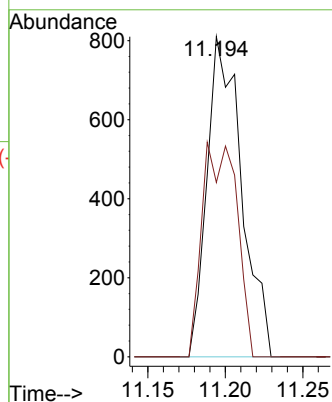


#59
2-Hexanone
Concen: 0.742 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Instrument :
MSVOA_N
ClientSampleId :

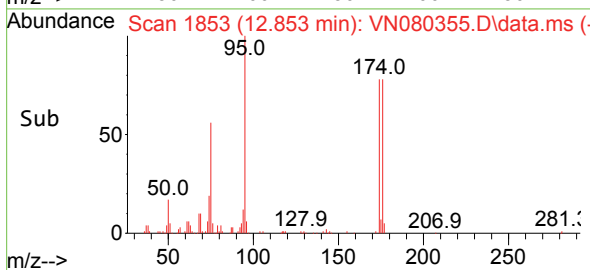
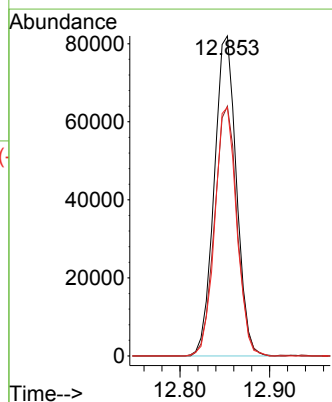
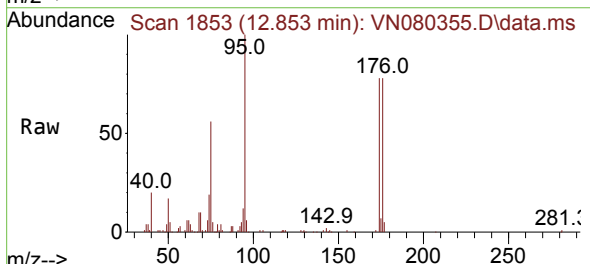


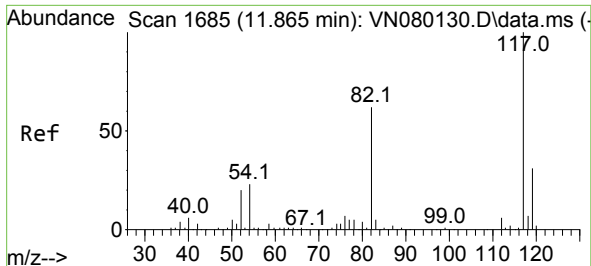
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 67.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.927 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

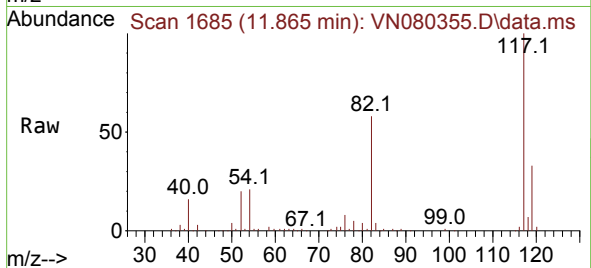
Tgt Ion: 95 Resp: 141016
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 76.8 0.0 135.8



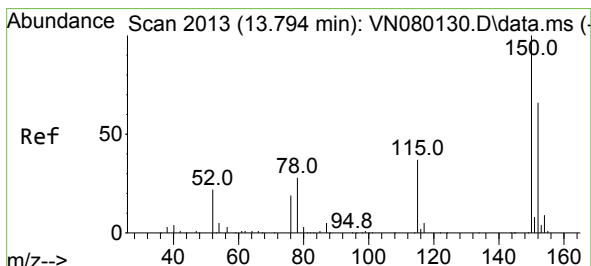
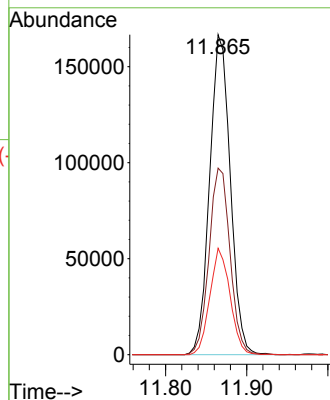
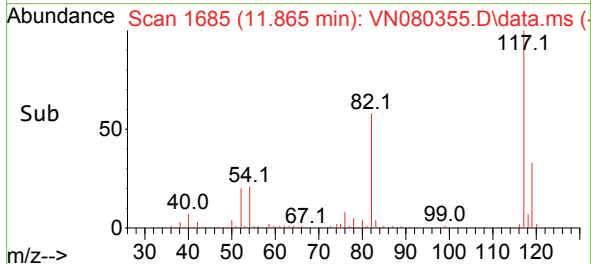


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

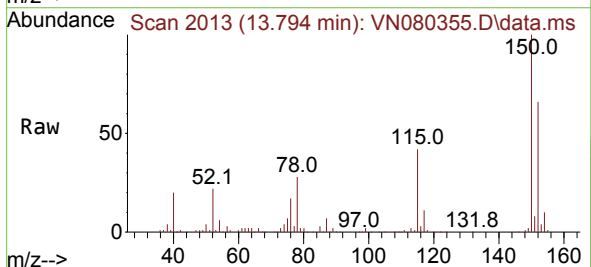
Instrument :
MSVOA_N
ClientSampleId :



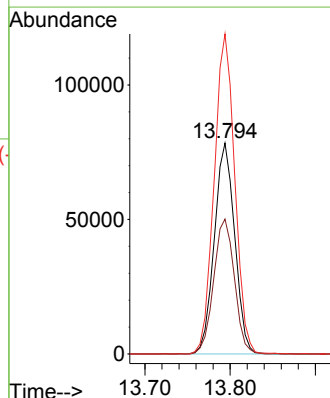
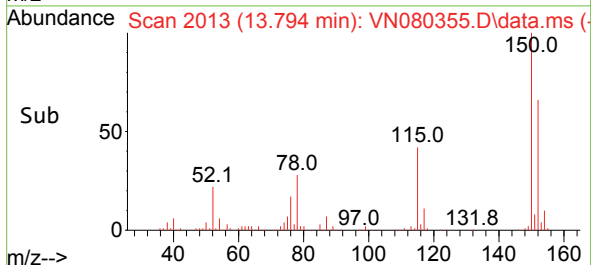
Tgt Ion:117 Resp: 294566
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 33.2 25.6 38.4

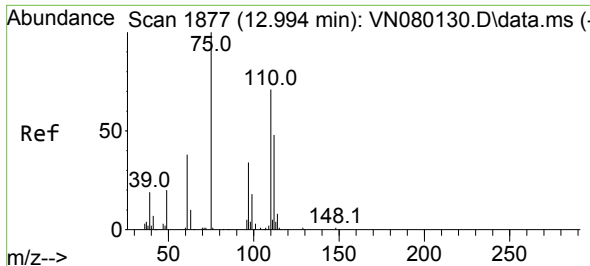


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40



Tgt Ion:152 Resp: 130289
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 153.2 0.0 355.8

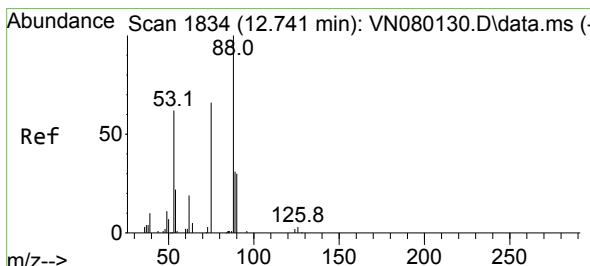
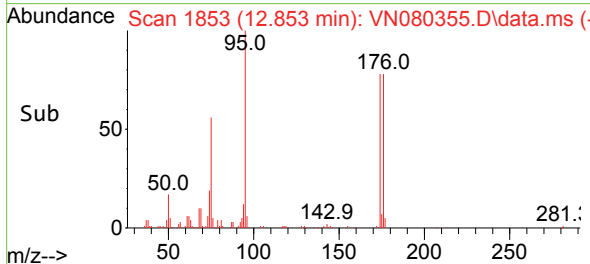
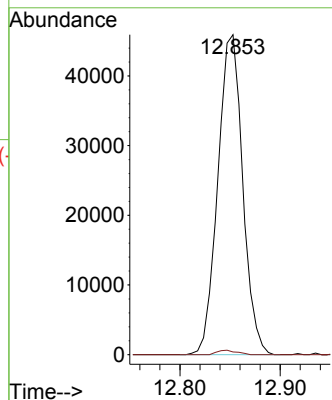
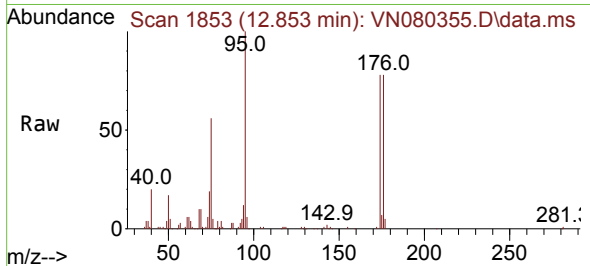




#76
1,2,3-Trichloropropane
Concen: 24.792 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

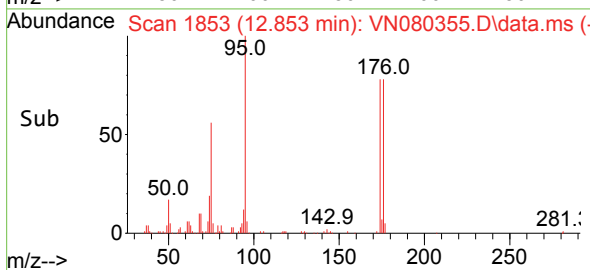
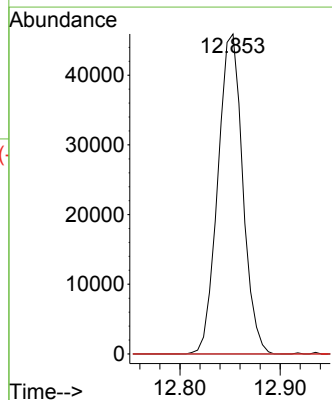
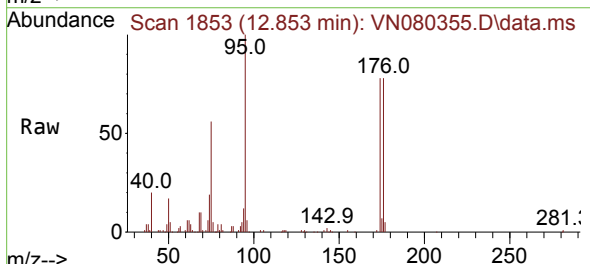
Instrument :
MSVOA_N
ClientSampleId :

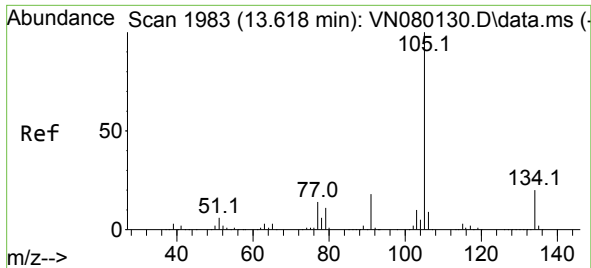
Tgt Ion: 75 Resp: 79145
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.763 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 75 Resp: 79145
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

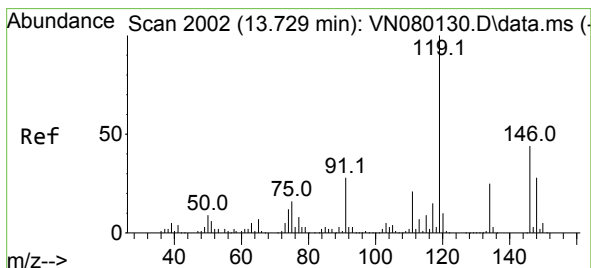
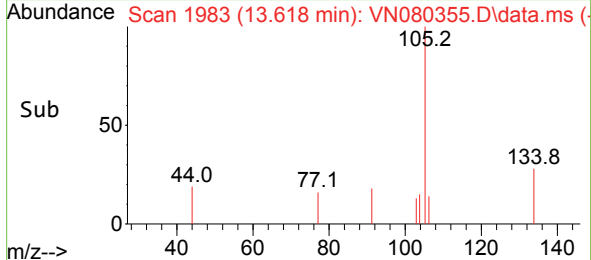
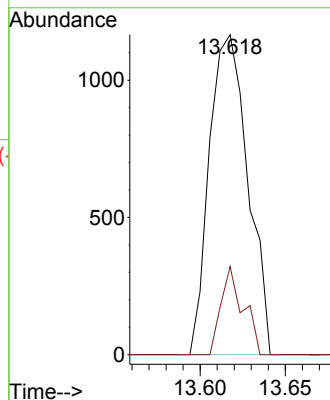
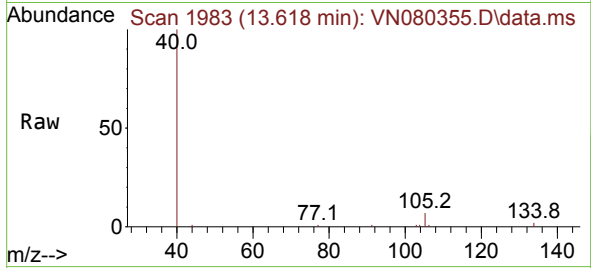




#85
 sec-Butylbenzene
 Concen: 0.205 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN080355.D
 Acq: 05 Dec 2023 10:40

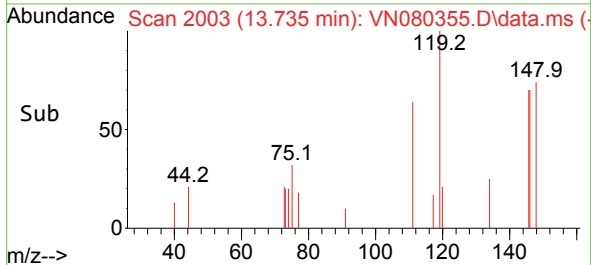
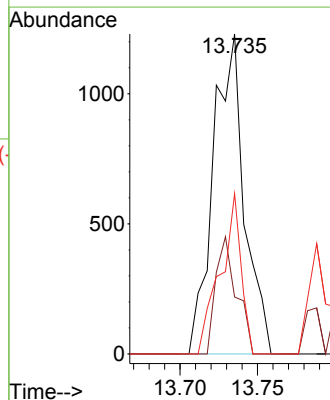
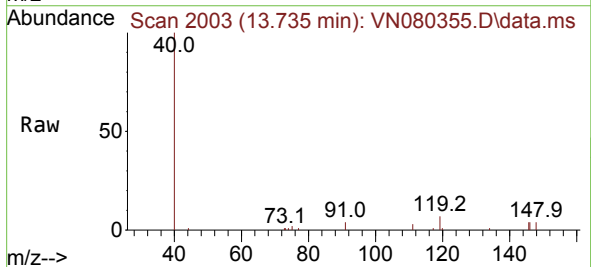
Instrument :
 MSVOA_N
 ClientSampleId :

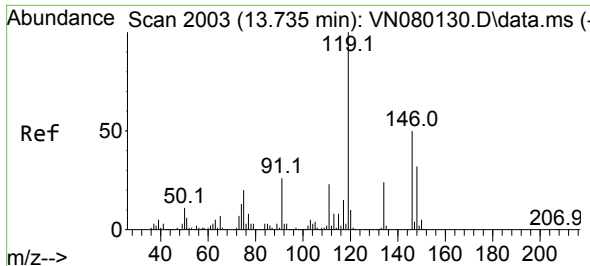
Tgt Ion:105 Resp: 1833
 Ion Ratio Lower Upper
 105 100
 134 15.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.214 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN080355.D
 Acq: 05 Dec 2023 10:40

Tgt Ion:119 Resp: 1712
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.6 37.8
 91 33.6 12.4 37.2

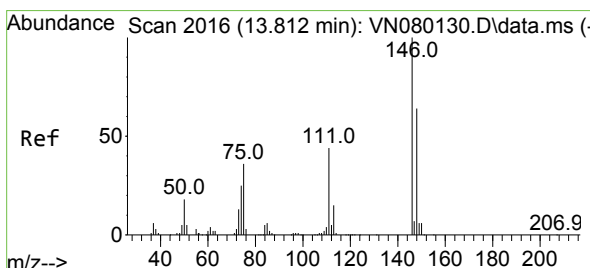
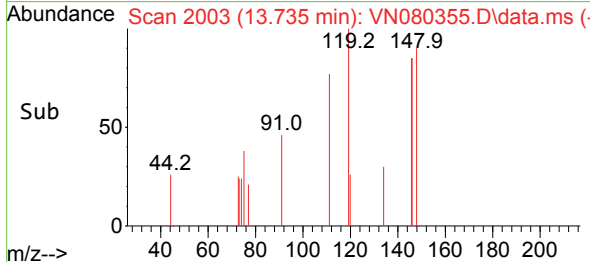
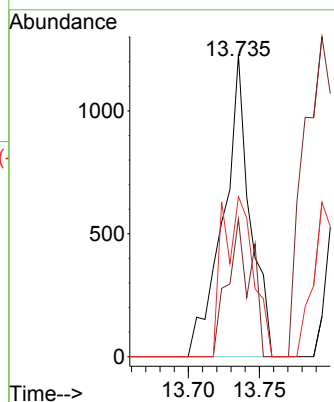
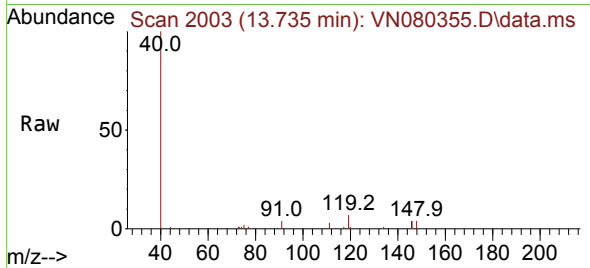




#87
1,3-Dichlorobenzene
Concen: 0.347 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

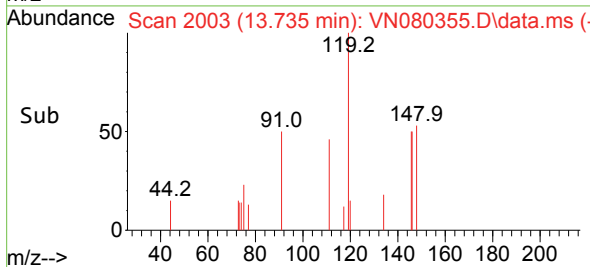
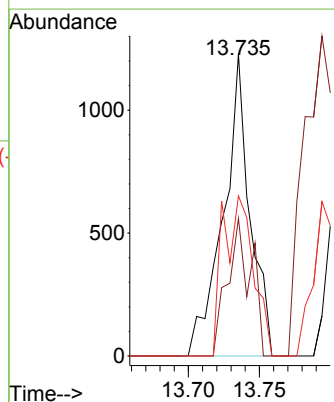
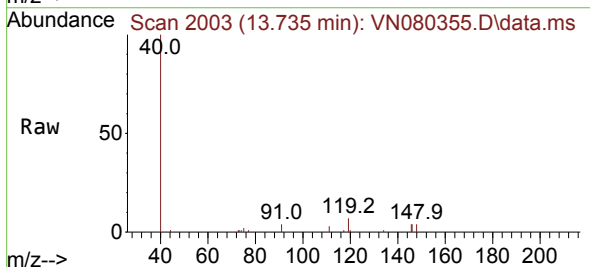
Instrument :
MSVOA_N
ClientSampleId :

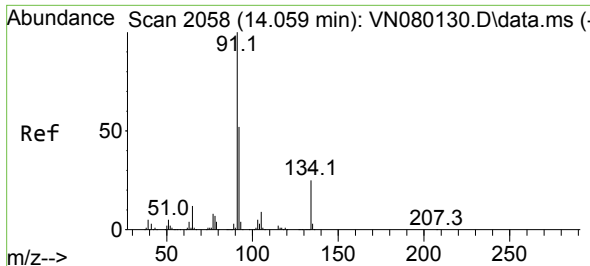
Tgt Ion:146 Resp: 1595
Ion Ratio Lower Upper
146 100
111 40.6 22.1 66.3
148 60.5 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.345 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.076 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion:146 Resp: 1595
Ion Ratio Lower Upper
146 100
111 40.6 20.6 61.8
148 60.5 31.6 94.8

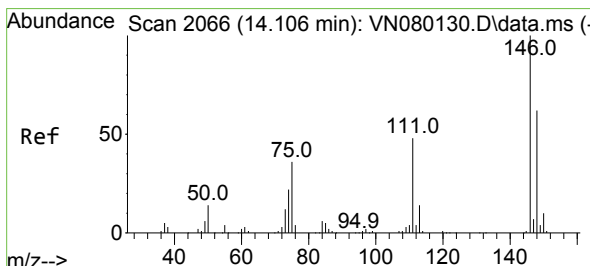
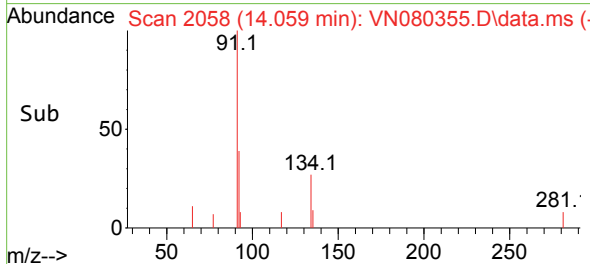
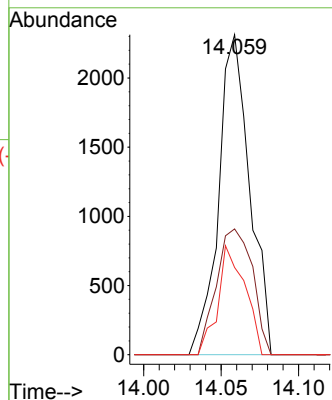
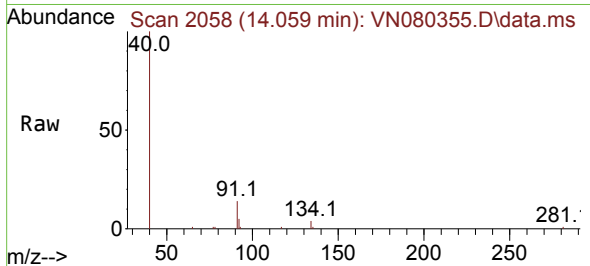




#89
n-Butylbenzene
Concen: 0.483 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

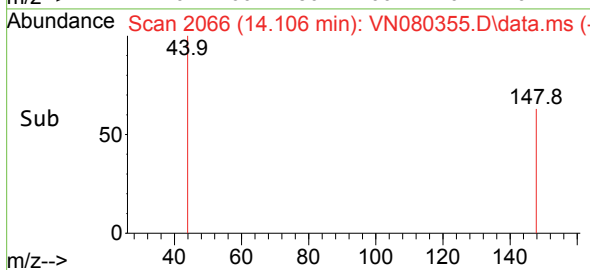
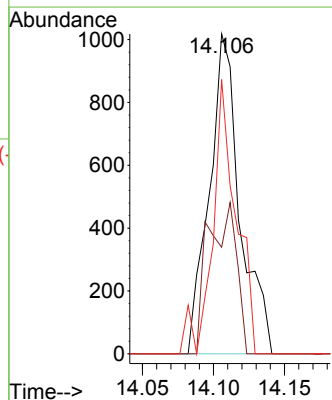
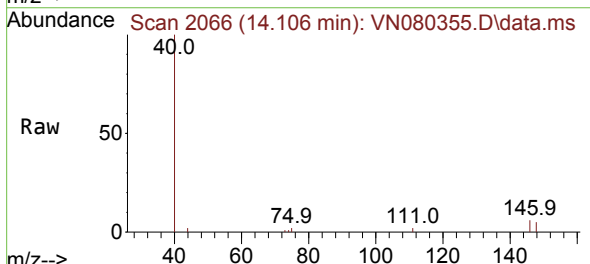
Instrument :
MSVOA_N
ClientSampleId :

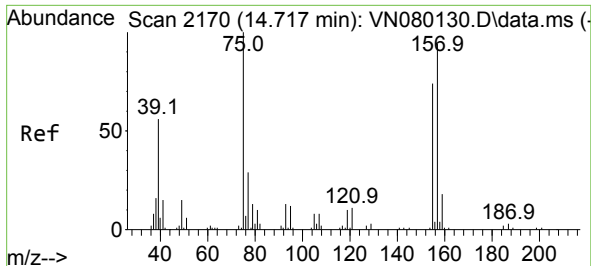
Tgt Ion: 91 Resp: 3229
Ion Ratio Lower Upper
91 100
92 45.5 26.4 79.0
134 29.7 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.347 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

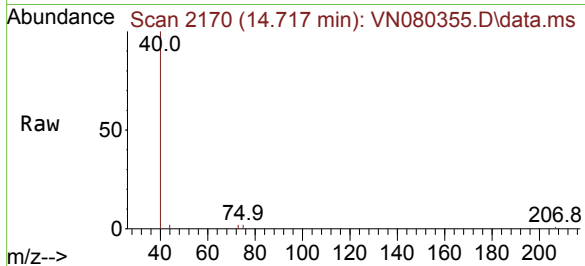
Tgt Ion: 146 Resp: 1527
Ion Ratio Lower Upper
146 100
111 43.6 22.0 66.0
148 65.7 31.8 95.3



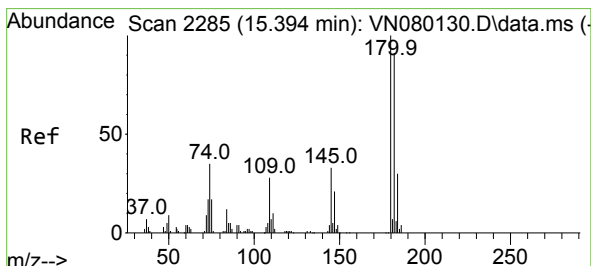
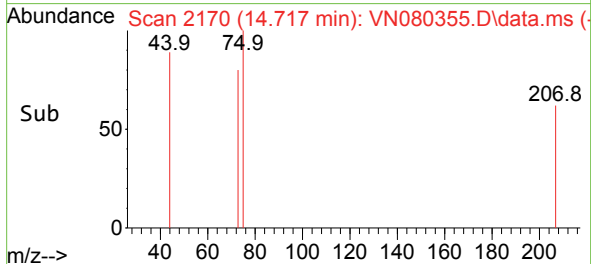
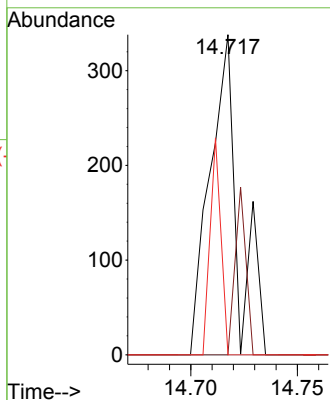


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.439 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Instrument :
MSVOA_N
ClientSampleId :

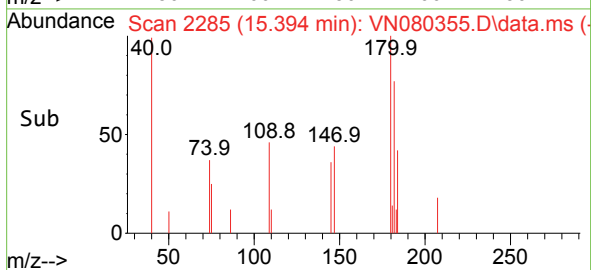
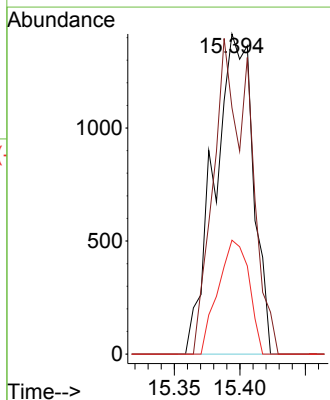
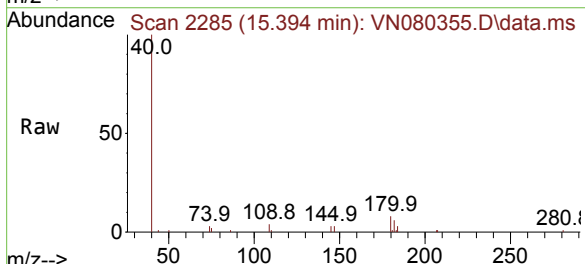


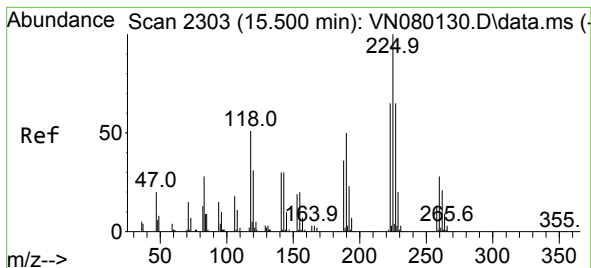
Tgt Ion: 75 Resp: 309
Ion Ratio Lower Upper
75 100
155 20.1 39.1 117.2#
157 26.2 50.3 150.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.139 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN080355.D
Acq: 05 Dec 2023 10:40

Tgt Ion: 180 Resp: 2916
Ion Ratio Lower Upper
180 100
182 92.0 46.1 138.2
145 28.3 16.6 49.8





#94

Hexachlorobutadiene

Concen: 1.089 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

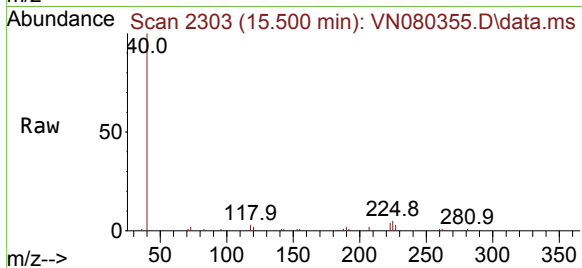
Lab File: VN080355.D

Acq: 05 Dec 2023 10:40

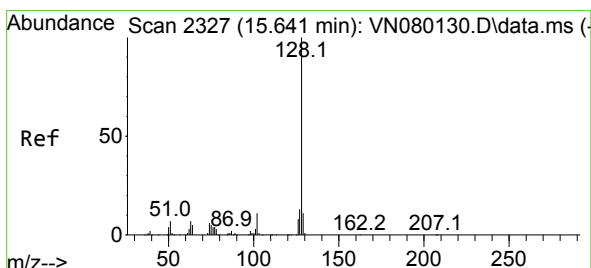
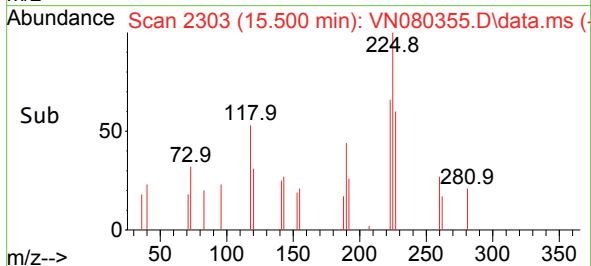
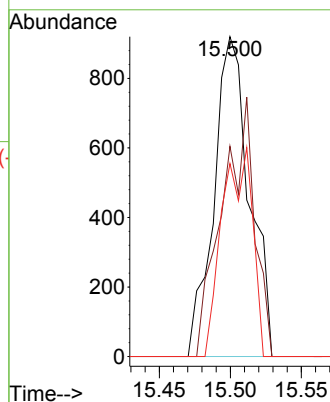
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	1604
Ion	Ratio	Lower	Upper
225	100		
223	72.9	31.3	93.8
227	55.5	31.9	95.9



#95

Naphthalene

Concen: 2.048 ug/l

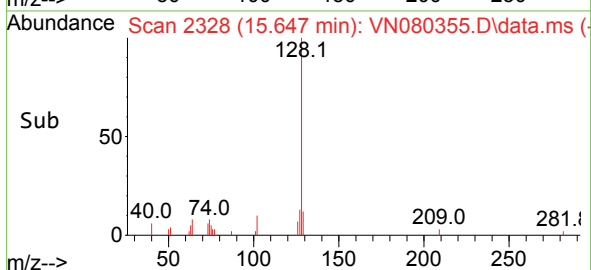
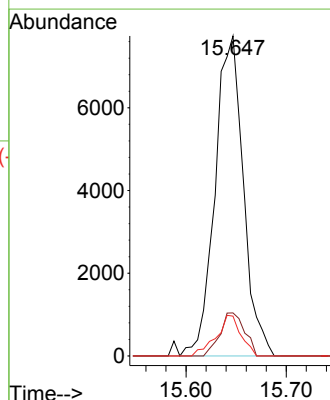
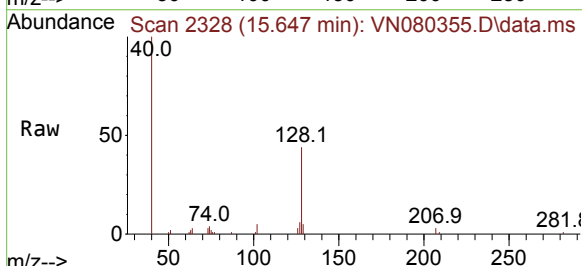
RT: 15.647 min Scan# 2328

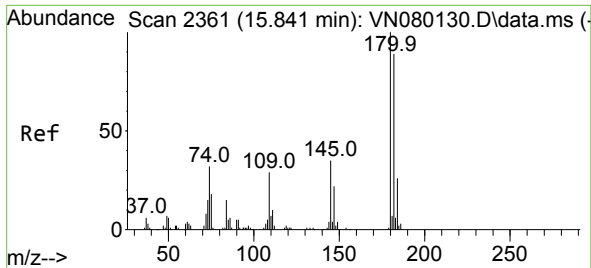
Delta R.T. 0.006 min

Lab File: VN080355.D

Acq: 05 Dec 2023 10:40

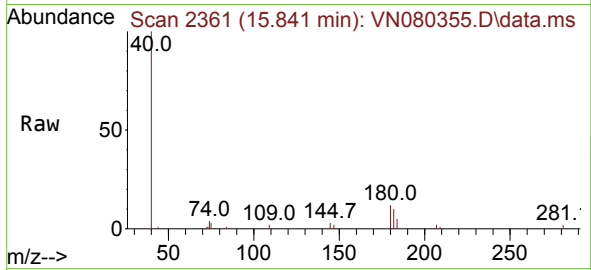
Tgt Ion:	128	Resp:	15202
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.0	15.0
129	11.1	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.431 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080355.D
 Acq: 05 Dec 2023 10:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	46.2	138.6
145	25.1	17.5	52.6

