

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080392.D
 Acq On : 06 Dec 2023 17:33
 Operator : JC\MD
 Sample : 05631-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:04:09 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)

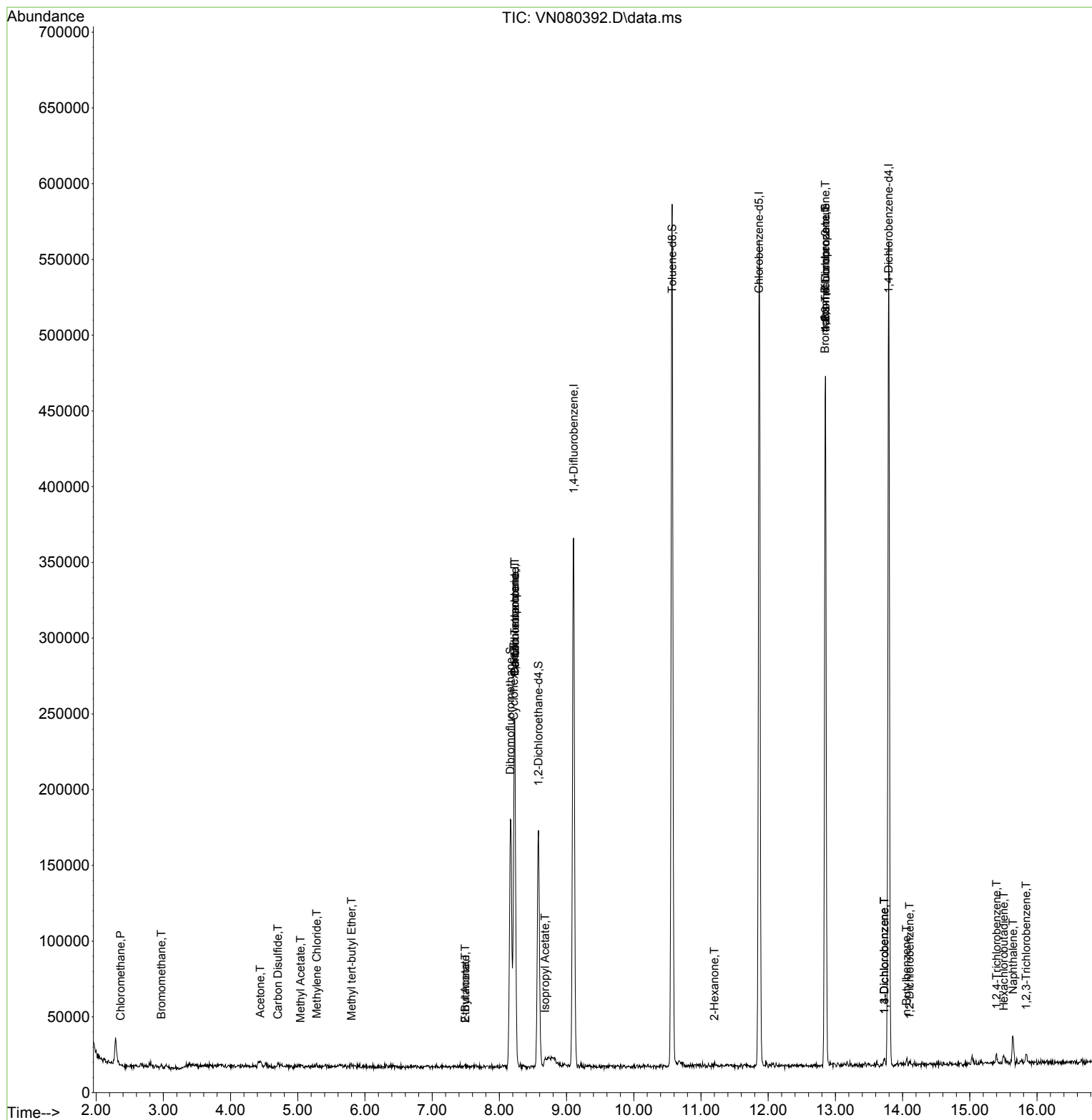
Internal Standards						
1) Pentafluorobenzene	8.229	168	163257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	302694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	319288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145075	53.819	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.640%			
35) Dibromofluoromethane	8.165	113	113883	50.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.570	98	399327	49.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.853	95	158322	52.061	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.120%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	496	0.271	ug/l #	42
5) Bromomethane	2.971	94	370	0.282	ug/l #	72
6) Chloroethane	3.106	64	496	Below Cal	#	43
16) Acetone	4.441	43	6371	7.037	ug/l #	78
17) Carbon Disulfide	4.706	76	1854	0.360	ug/l #	75
18) Methyl Acetate	5.041	43	2317	0.796	ug/l #	73
19) Methyl tert-butyl Ether	5.800	73	2523	0.414	ug/l #	57
20) Methylene Chloride	5.283	84	667	0.352	ug/l #	46
25) 2-Butanone	7.494	43	1267	1.178	ug/l #	37
31) Cyclohexane	8.218	56	3688	1.258	ug/l #	57
36) 1,1-Dichloropropene	8.229	75	13208	4.085	ug/l #	49
37) Ethyl Acetate	7.494	43	1267	0.565	ug/l #	63
38) Carbon Tetrachloride	8.229	117	18559	4.523	ug/l #	15
43) Isopropyl Acetate	8.682	43	3453	0.791	ug/l #	49
59) 2-Hexanone	11.200	43	829	0.457	ug/l #	40
71) Bromoform	12.847	173	1021	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	88815	25.457	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88815	86.008	ug/l #	15
87) 1,3-Dichlorobenzene	13.729	146	1092	0.217	ug/l	87
88) 1,4-Dichlorobenzene	13.729	146	1092	0.216	ug/l	84
89) n-Butylbenzene	14.058	91	2434	0.333	ug/l	93
91) 1,2-Dichlorobenzene	14.105	146	1108	0.230	ug/l #	42
93) 1,2,4-Trichlorobenzene	15.400	180	1998	0.714	ug/l	93
94) Hexachlorobutadiene	15.505	225	1408	0.875	ug/l	81
95) Naphthalene	15.647	128	16664	2.054	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	2642	1.008	ug/l	87

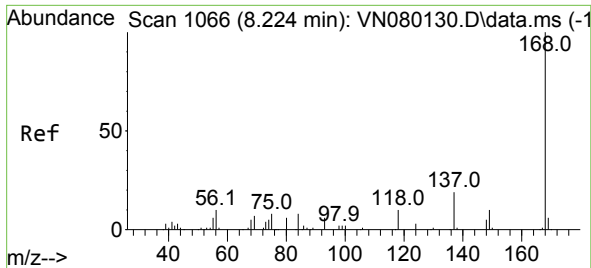
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
Data File : VN080392.D
Acq On : 06 Dec 2023 17:33
Operator : JC\MD
Sample : 05631-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 07 01:04:09 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

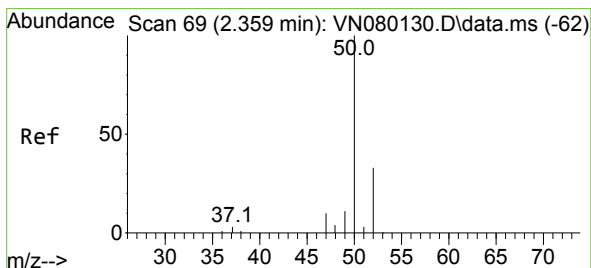
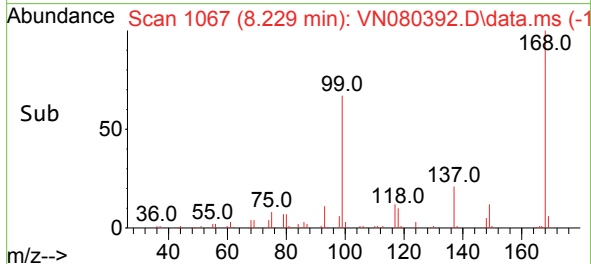
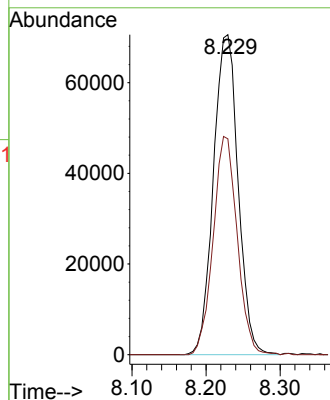
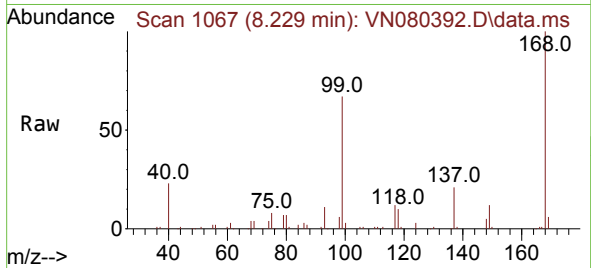




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

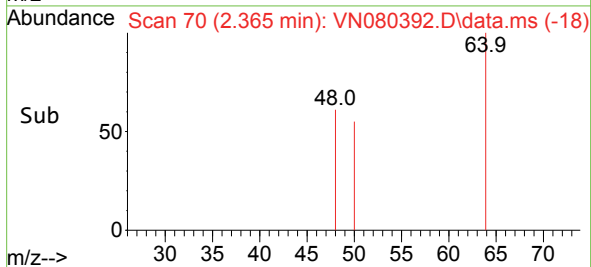
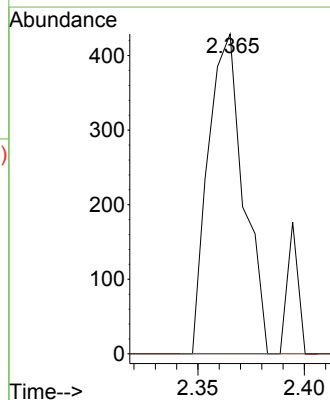
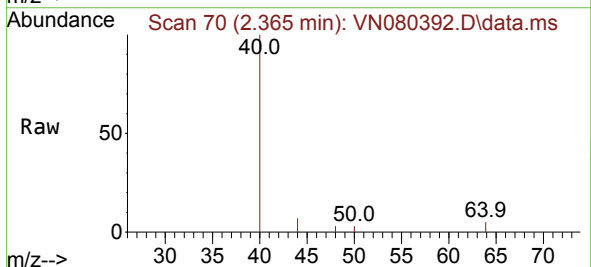
Instrument :
MSVOA_N
ClientSampleId :

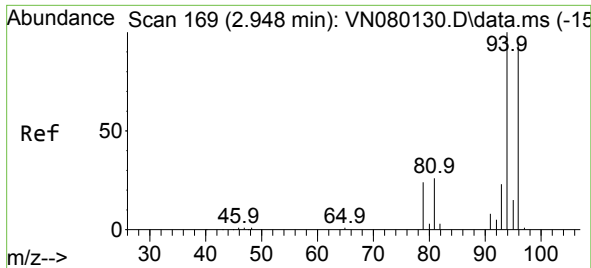
Tgt Ion:168 Resp: 163257
Ion Ratio Lower Upper
168 100
99 67.4 53.0 79.6



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion: 50 Resp: 496
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.282 ug/l

RT: 2.971 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

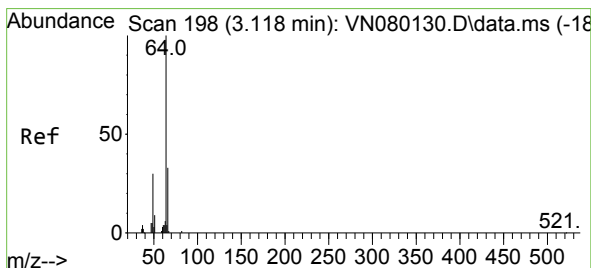
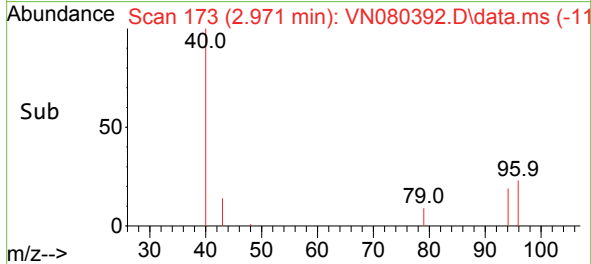
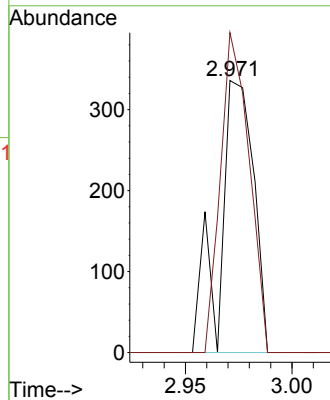
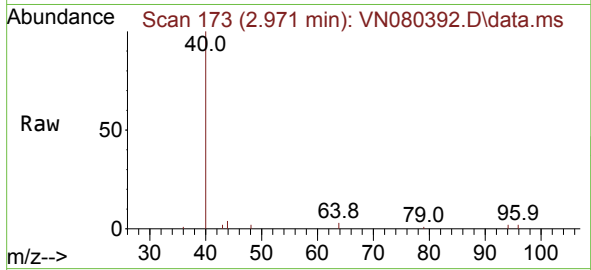
ClientSampleId :

Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

94 100

96 117.6 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.106 min Scan# 196

Delta R.T. -0.012 min

Lab File: VN080392.D

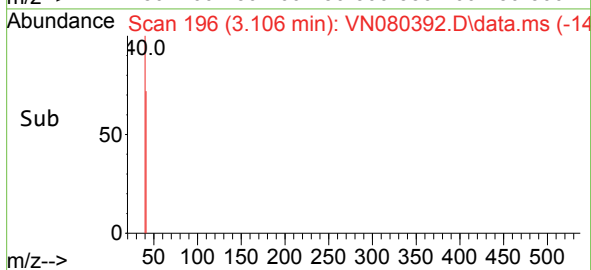
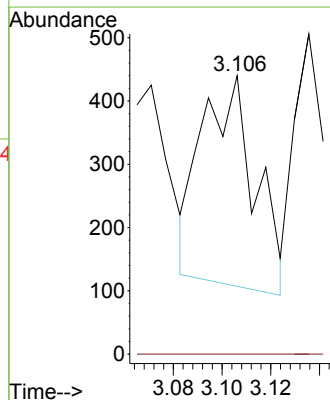
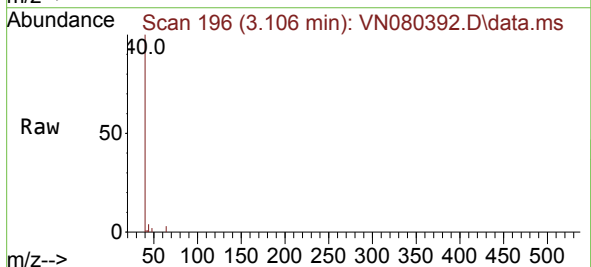
Acq: 06 Dec 2023 17:33

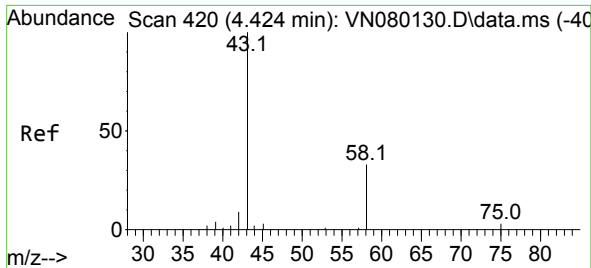
Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

64 100

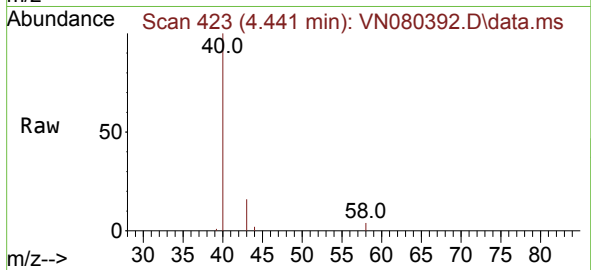
66 0.0 25.4 38.2#



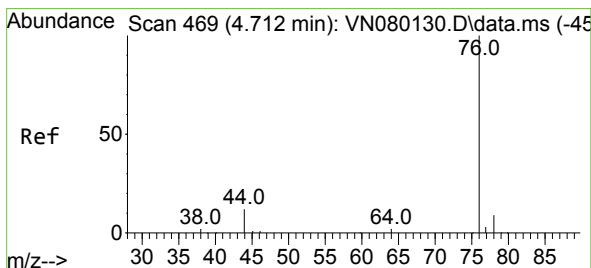
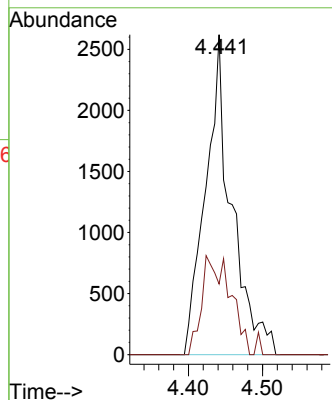
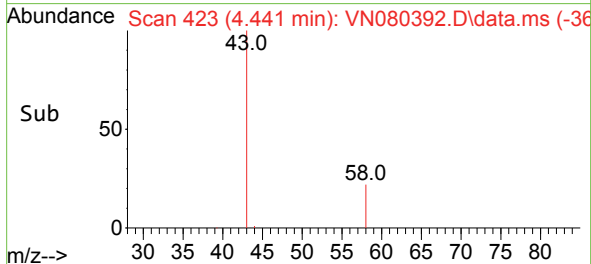


#16
Acetone
Concen: 7.037 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

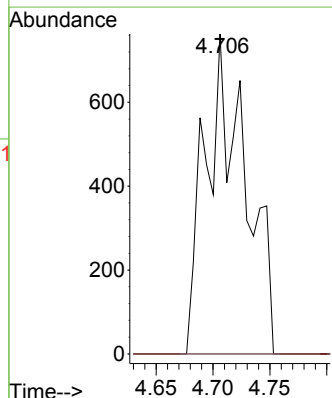
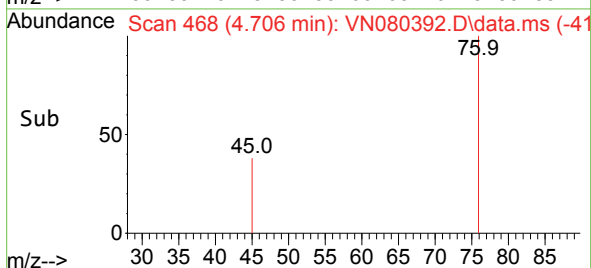
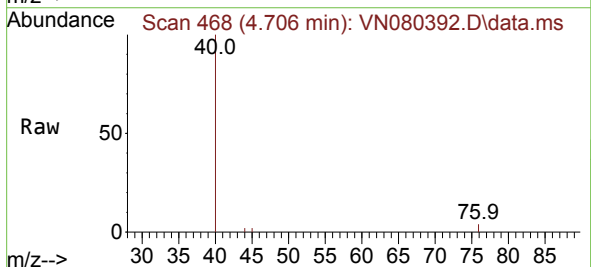


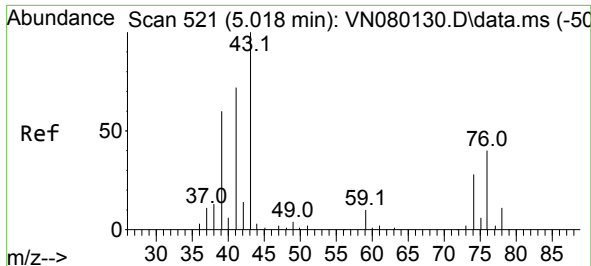
Tgt Ion: 43 Resp: 6371
Ion Ratio Lower Upper
43 100
58 22.1 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion: 76 Resp: 1854
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 0.796 ug/l

RT: 5.041 min Scan# 51

Delta R.T. 0.023 min

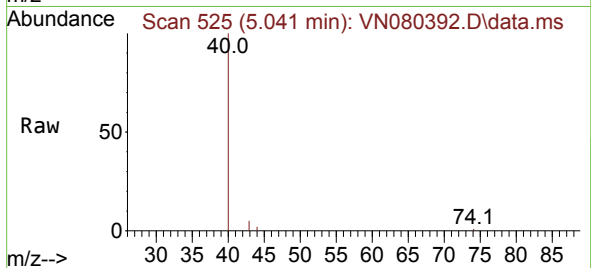
Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

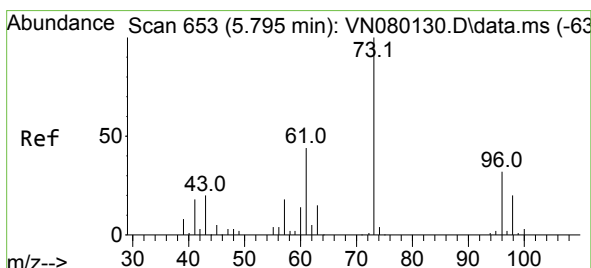
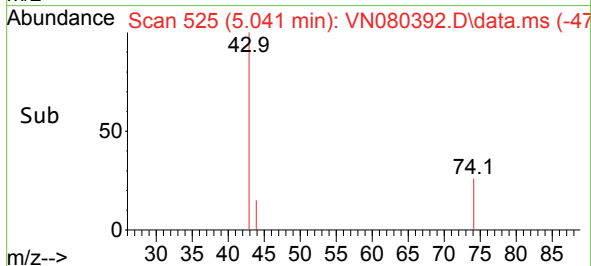
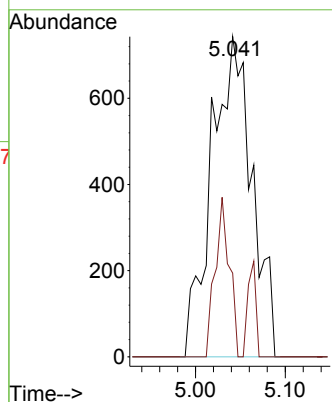


Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

74 17.6 26.2 39.4#



#19

Methyl tert-butyl Ether

Concen: 0.414 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.006 min

Lab File: VN080392.D

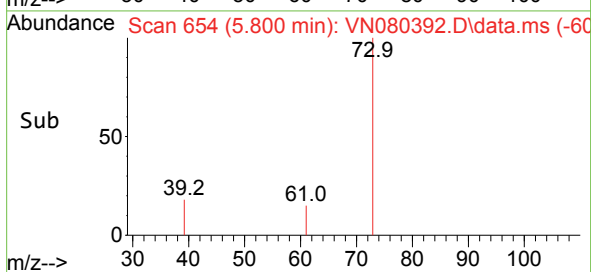
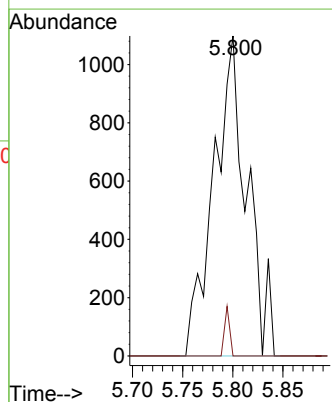
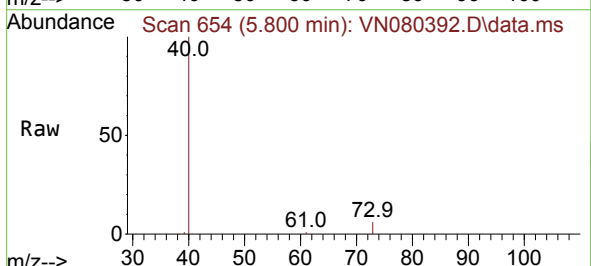
Acq: 06 Dec 2023 17:33

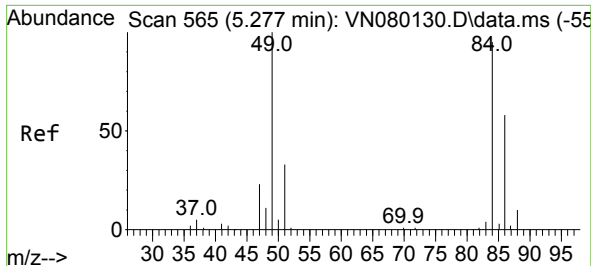
Tgt Ion: 73 Resp: 2523

Ion Ratio Lower Upper

73 100

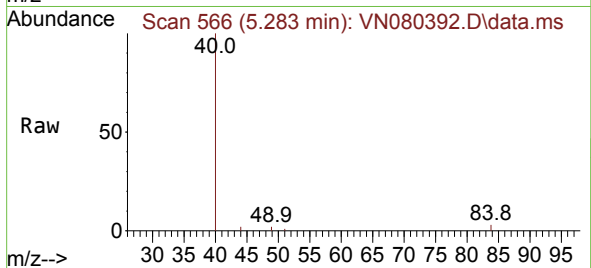
57 0.0 15.6 23.4#



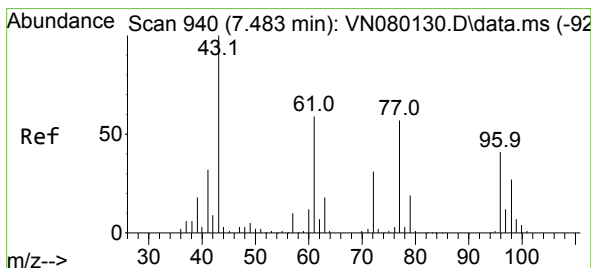
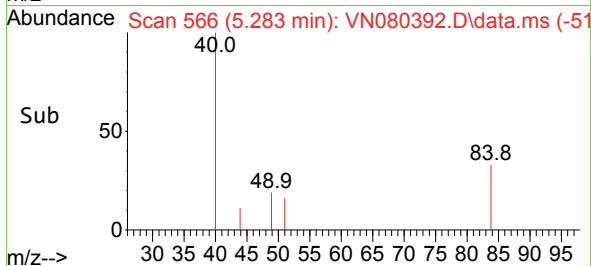
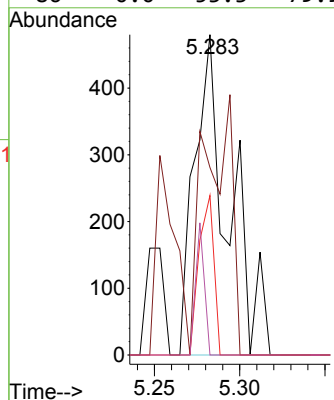


#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

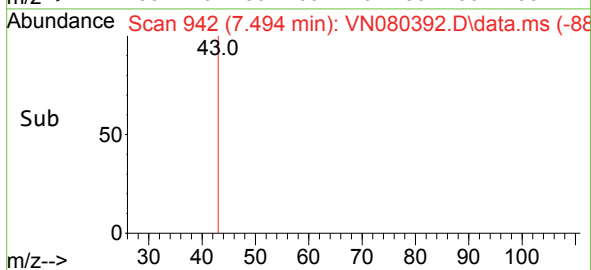
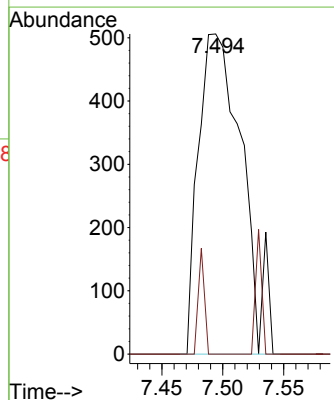
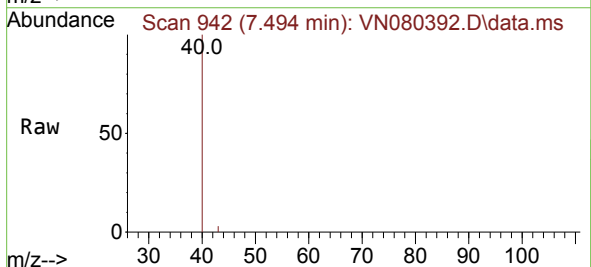


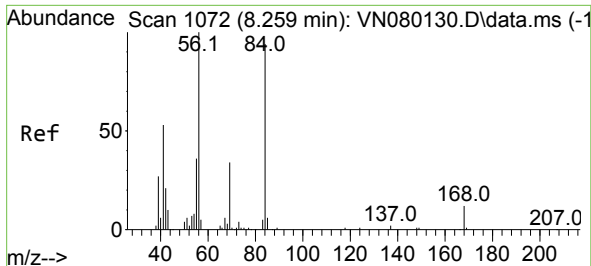
Tgt Ion: 84	Resp: 667
Ion Ratio	Lower Upper
84 100	
49 58.5	79.7 119.5#
51 49.8	25.2 37.8#
86 0.0	53.3 79.9#



#25
2-Butanone
Concen: 1.178 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.011 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

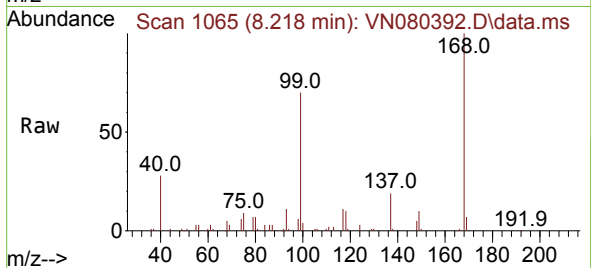
Tgt Ion: 43	Resp: 1267
Ion Ratio	Lower Upper
43 100	
72 0.0	30.2 45.2#



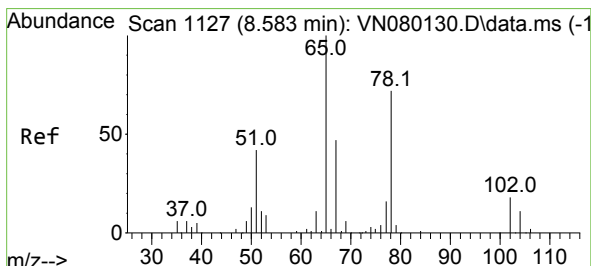
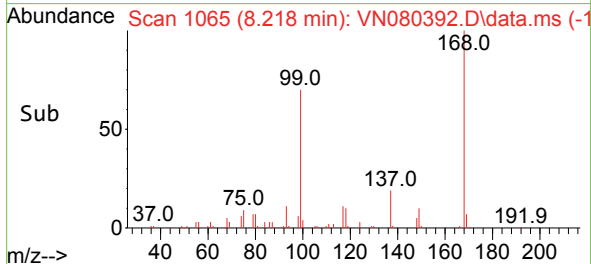
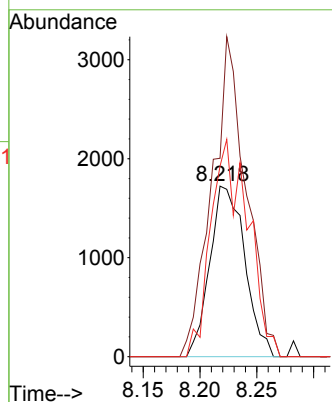


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

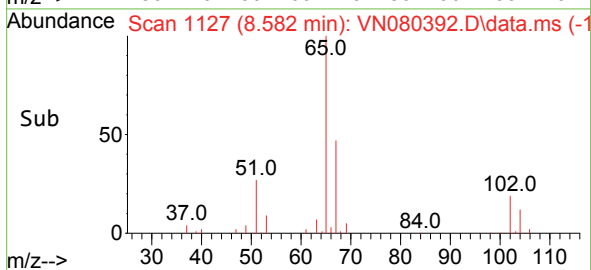
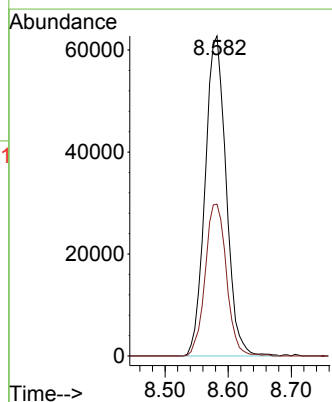
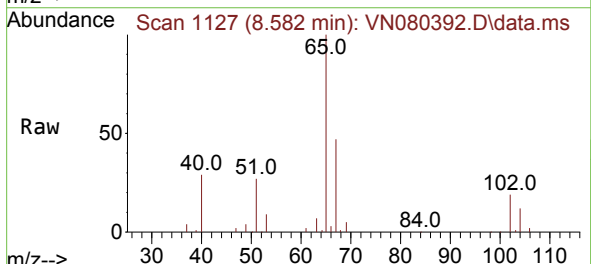


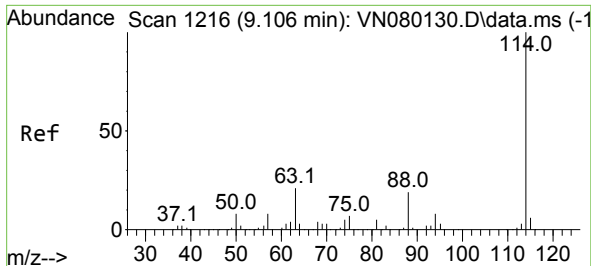
Tgt Ion: 56 Resp: 3688
Ion Ratio Lower Upper
56 100
69 116.2 26.8 40.2#
84 111.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 53.819 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion: 65 Resp: 145075
Ion Ratio Lower Upper
65 100
67 48.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

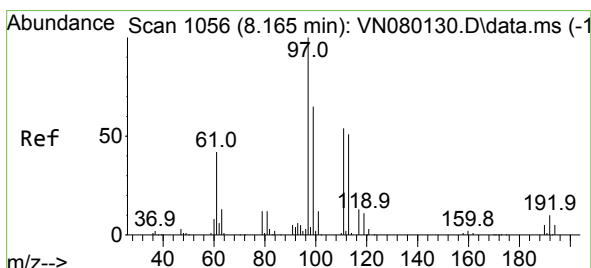
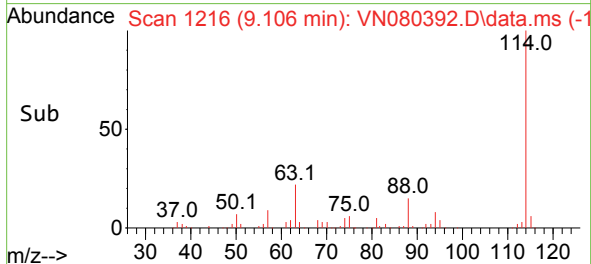
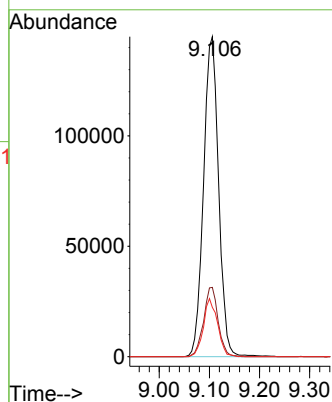
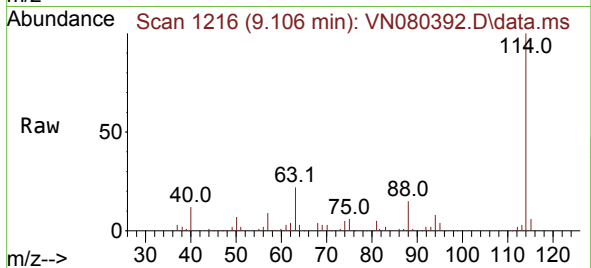
Tgt Ion:114 Resp: 302694

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.989 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

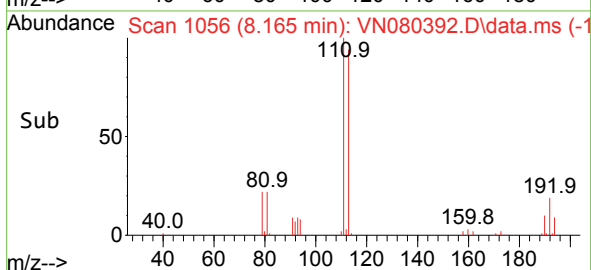
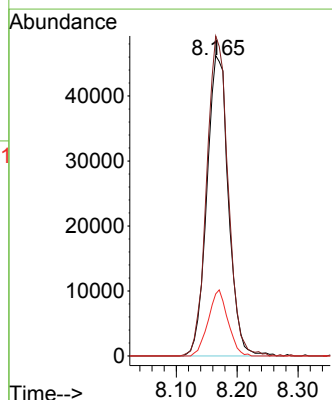
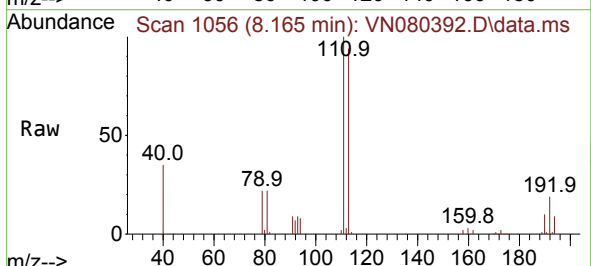
Tgt Ion:113 Resp: 113883

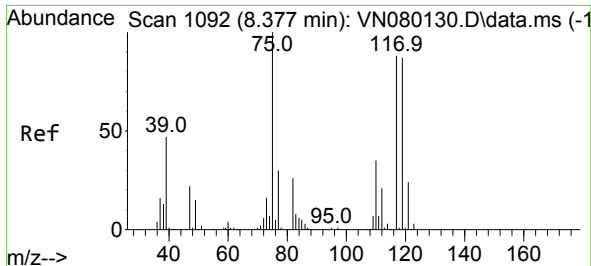
Ion Ratio Lower Upper

113 100

111 105.6 82.6 123.8

192 20.0 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.085 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

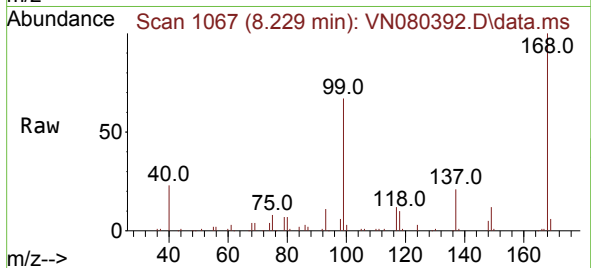
Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

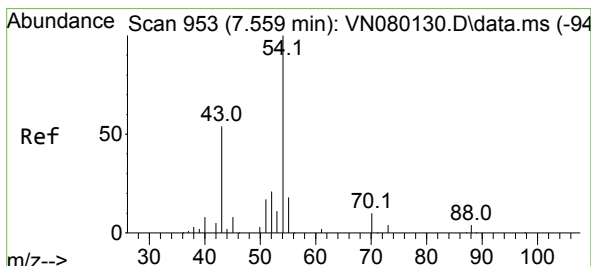
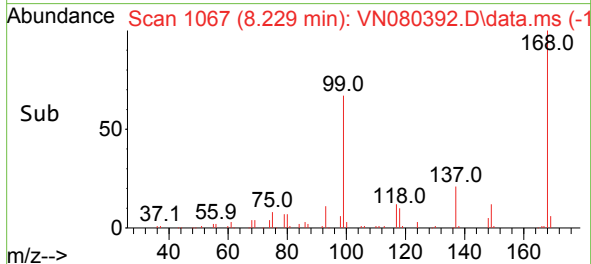
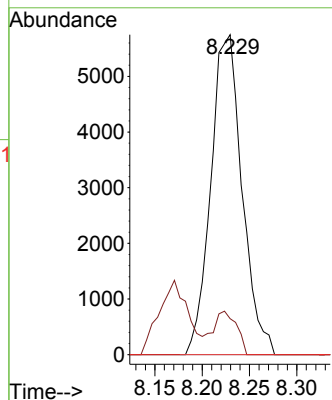
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13208
Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 0.565 ug/l

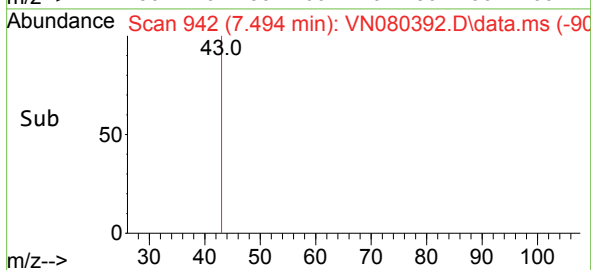
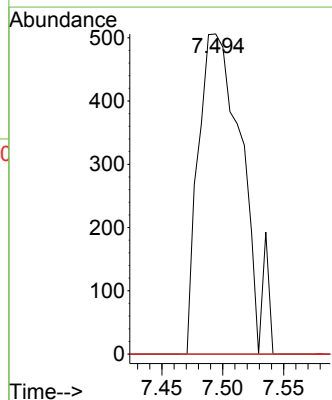
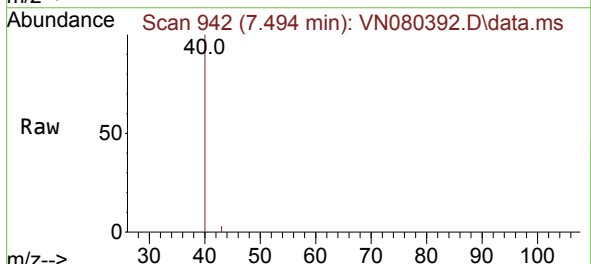
RT: 7.494 min Scan# 942

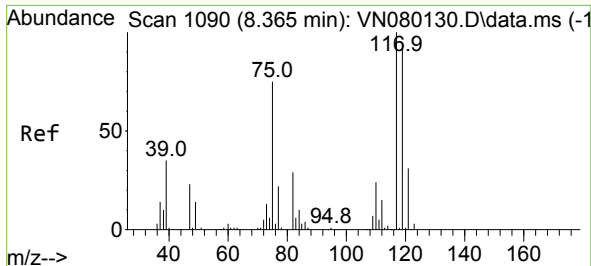
Delta R.T. -0.065 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

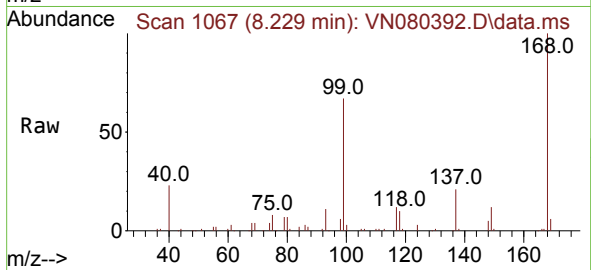
Tgt Ion:	43	Resp:	1267
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



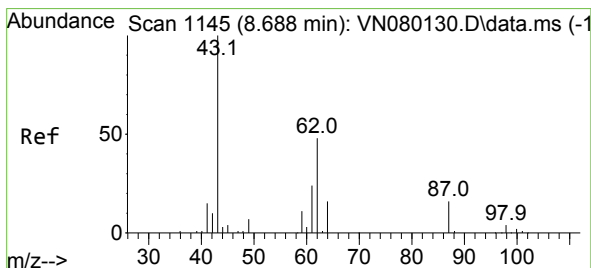
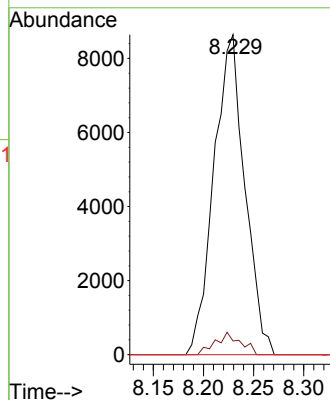
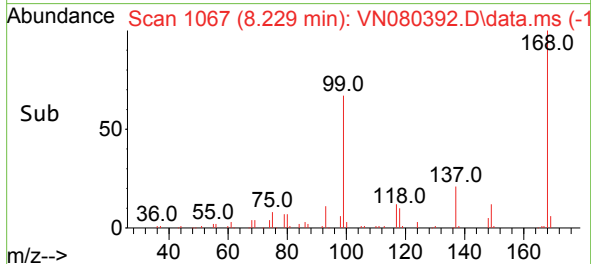


#38
Carbon Tetrachloride
Concen: 4.523 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

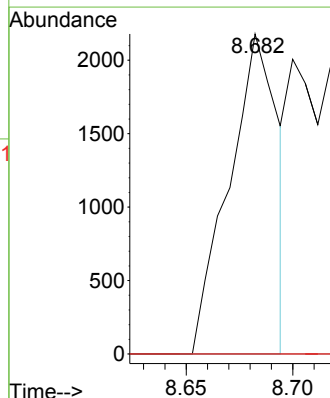
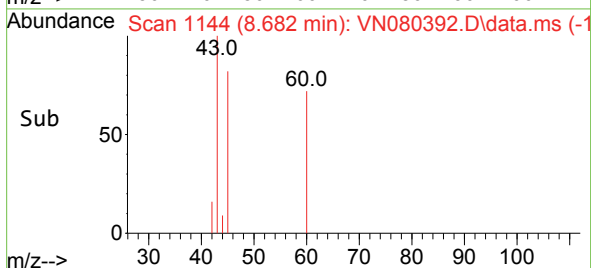
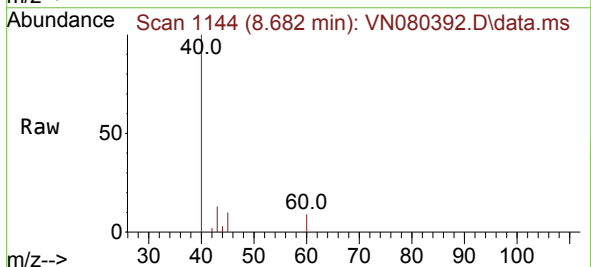


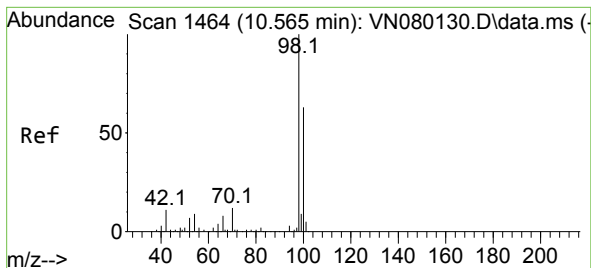
Tgt Ion:117 Resp: 18559
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.791 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion: 43 Resp: 3453
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 49.598 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

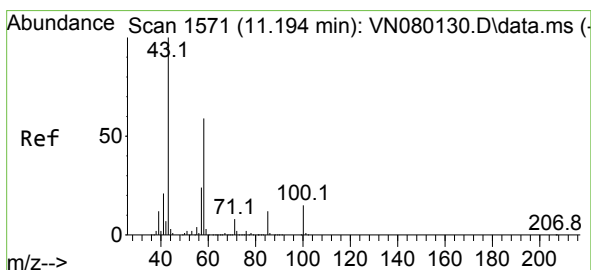
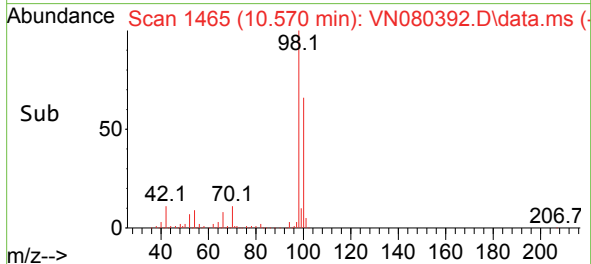
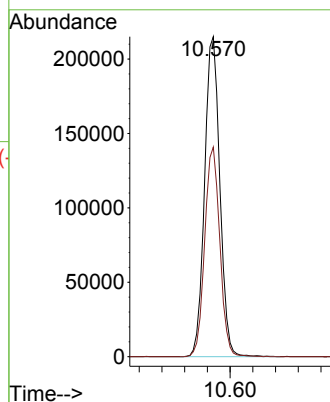
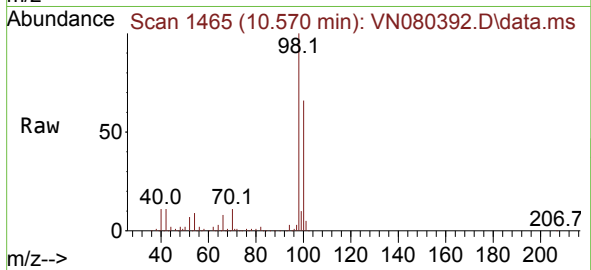
ClientSampleId :

Tgt Ion: 98 Resp: 399327

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#59

2-Hexanone

Concen: 0.457 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN080392.D

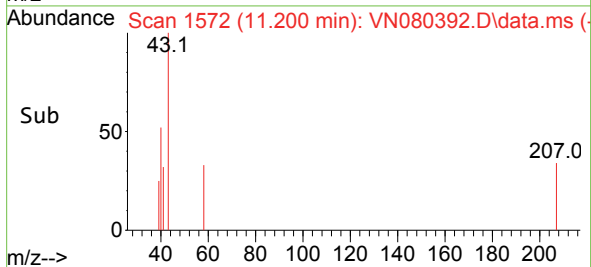
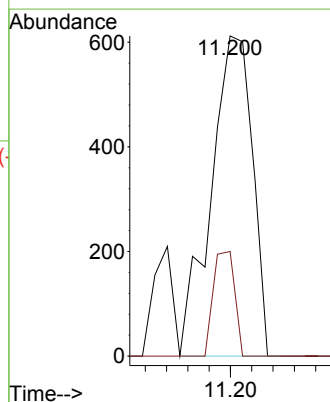
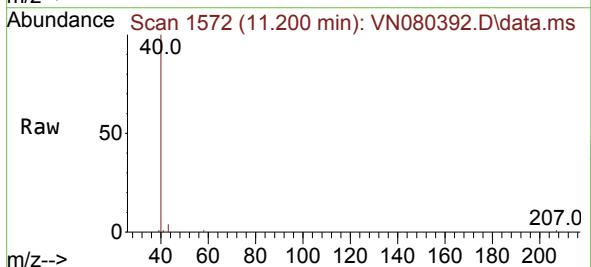
Acq: 06 Dec 2023 17:33

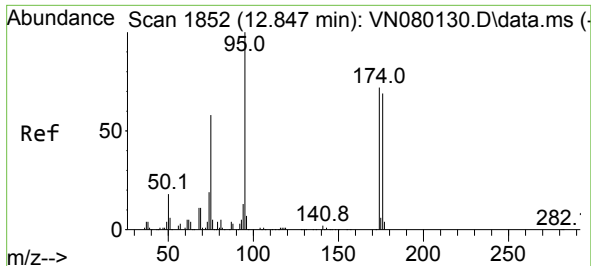
Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

58 16.8 31.7 95.1#

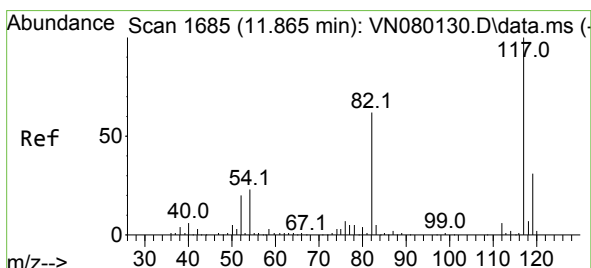
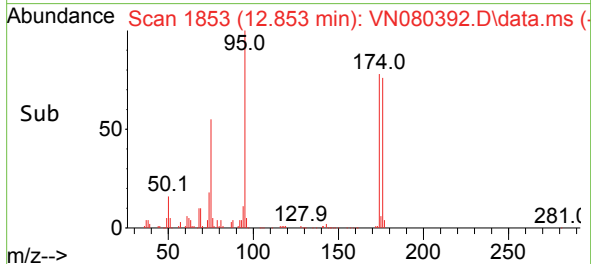
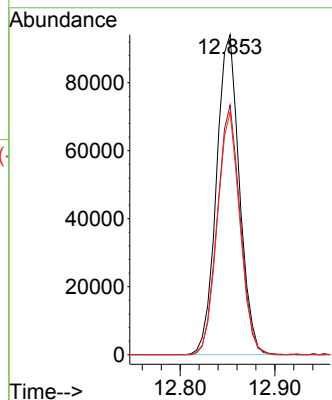
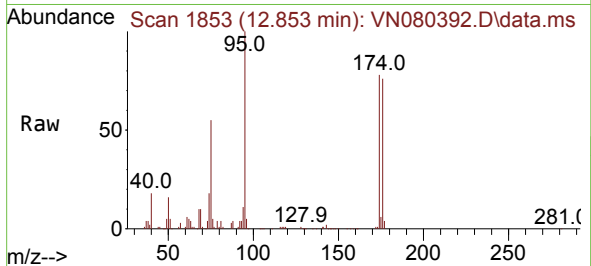




#62
4-Bromofluorobenzene
Concen: 52.061 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

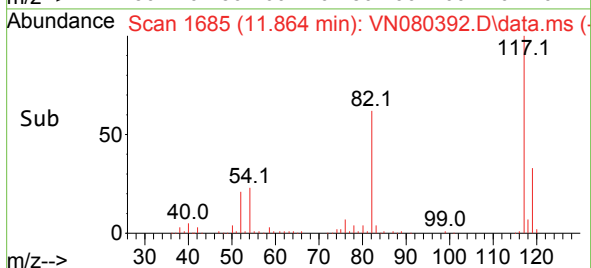
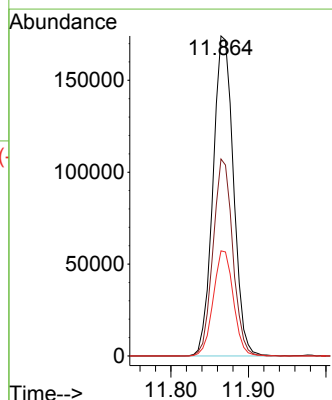
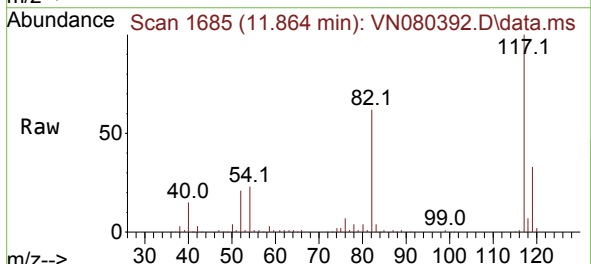
Instrument :
MSVOA_N
ClientSampleId :

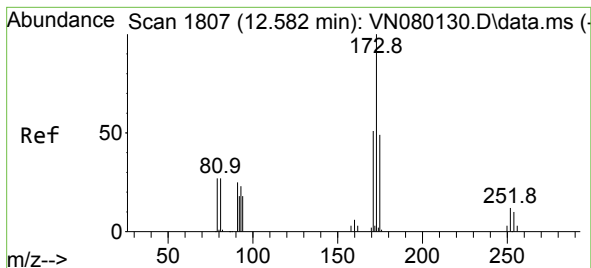
Tgt Ion: 95 Resp: 158322
Ion Ratio Lower Upper
95 100
174 77.5 0.0 143.8
176 74.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion: 117 Resp: 319288
Ion Ratio Lower Upper
117 100
82 61.5 44.0 66.0
119 32.8 25.6 38.4





#71

Bromoform

Concen: 0.490 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.264 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

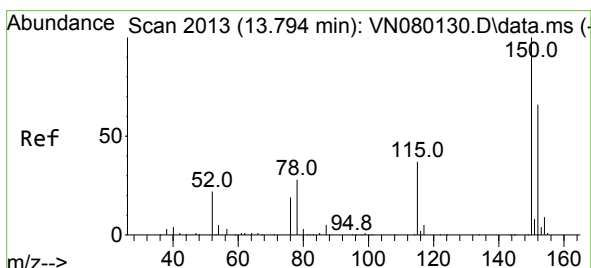
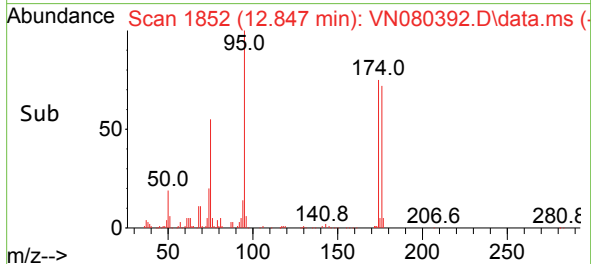
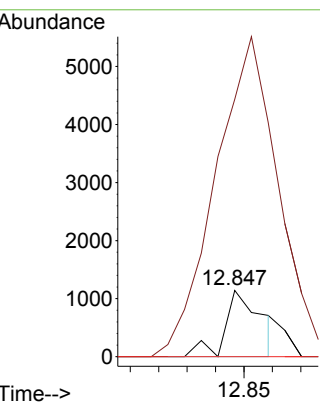
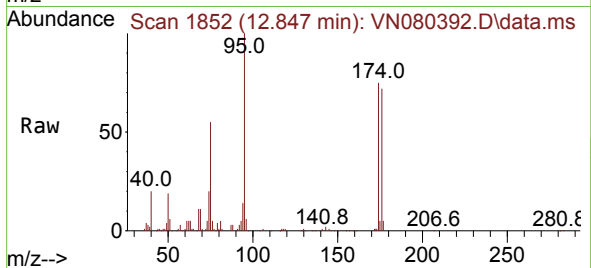
Tgt Ion:173 Resp: 1021

Ion Ratio Lower Upper

173 100

175 699.6 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# 2013

Delta R.T. -0.000 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

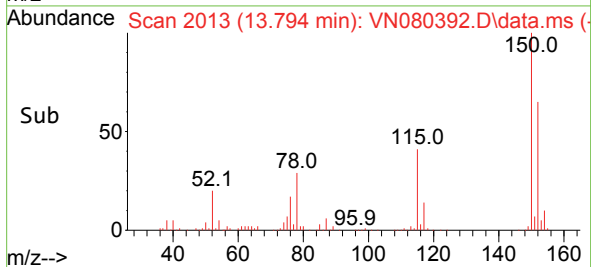
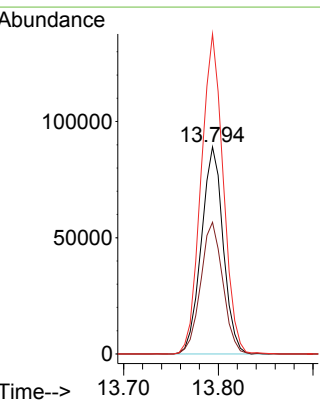
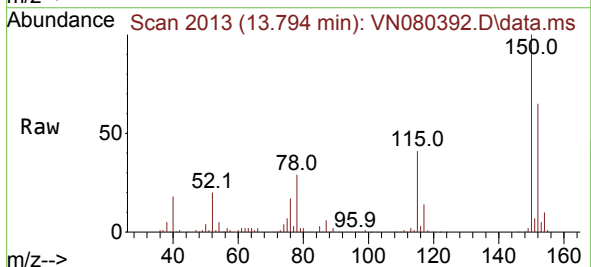
Tgt Ion:152 Resp: 142392

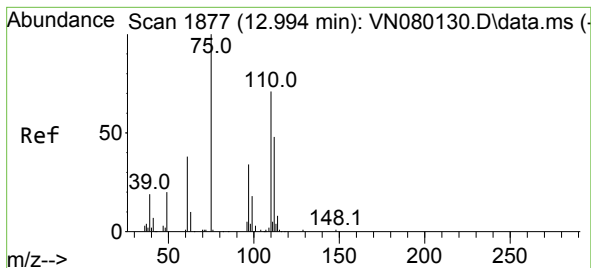
Ion Ratio Lower Upper

152 100

115 64.6 32.3 96.8

150 156.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.457 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

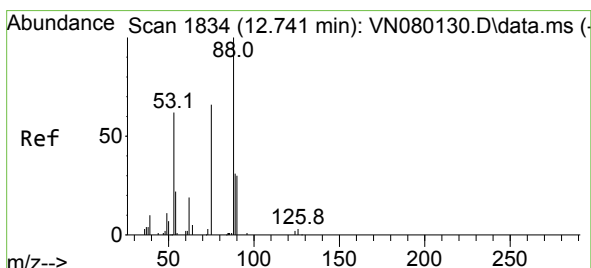
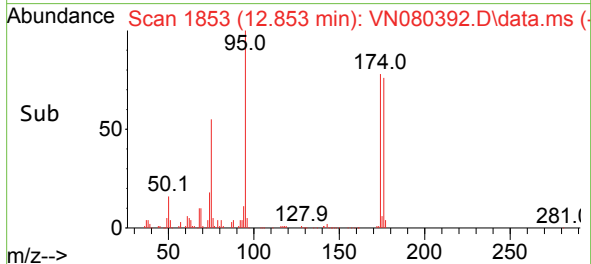
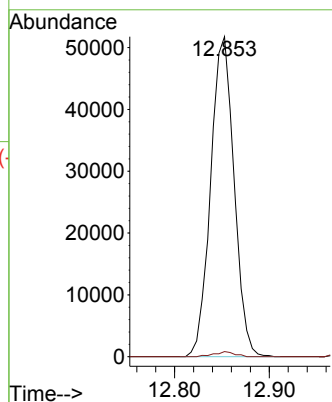
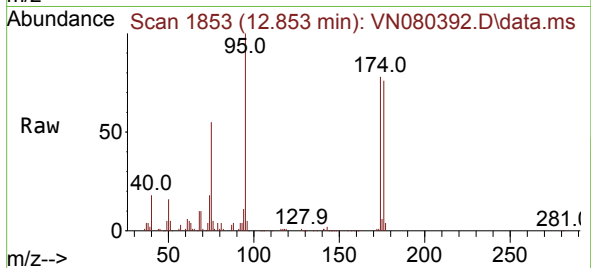
ClientSampleId :

Tgt Ion: 75 Resp: 88815

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.008 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.111 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

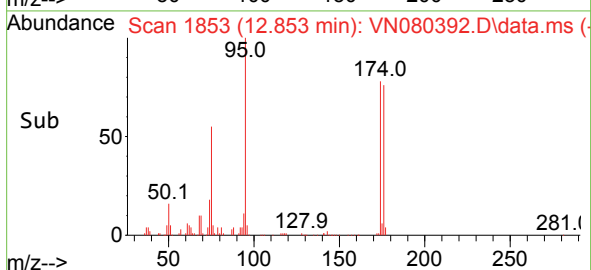
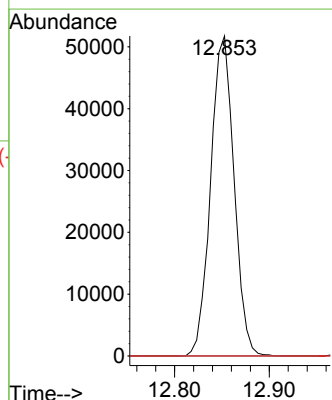
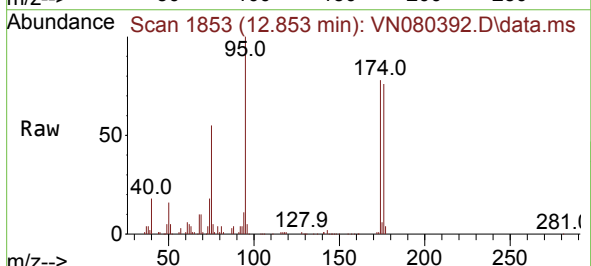
Tgt Ion: 75 Resp: 88815

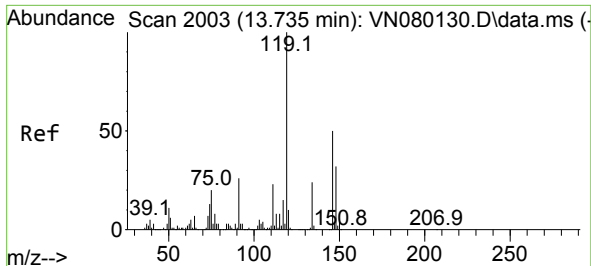
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

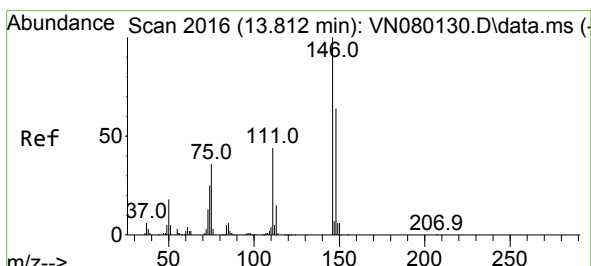
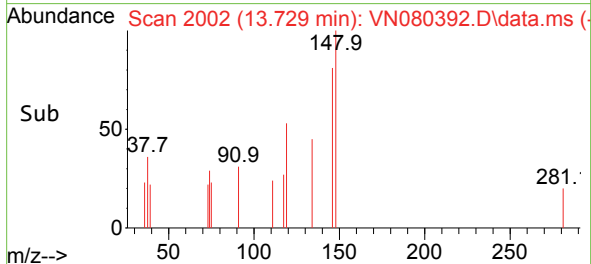
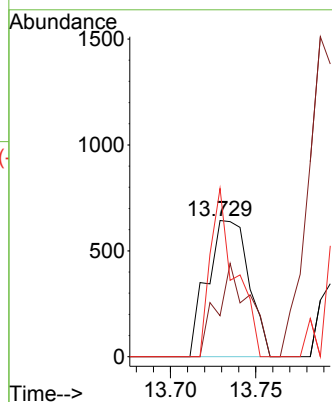
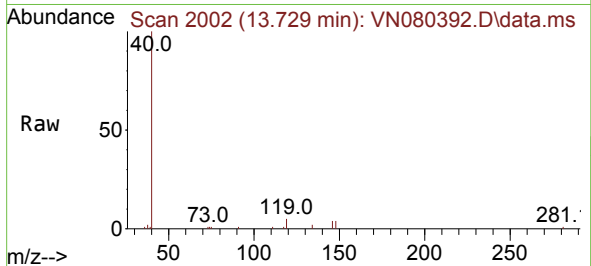




#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

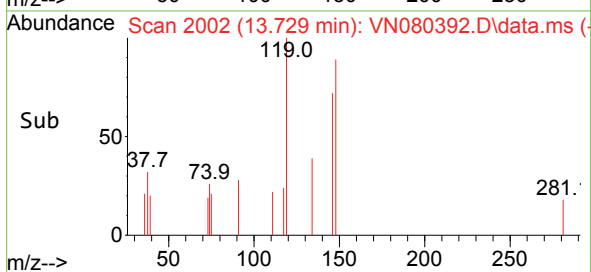
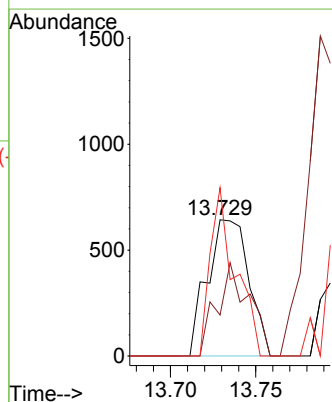
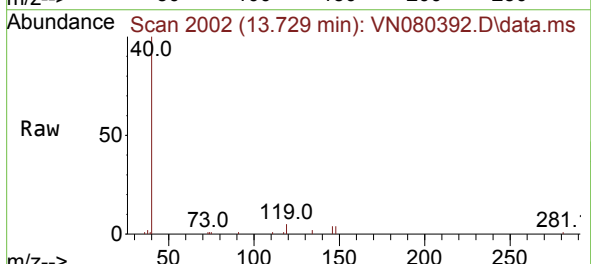
Instrument :
MSVOA_N
ClientSampleId :

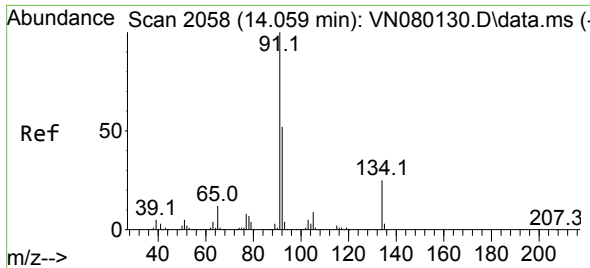
Tgt Ion:146 Resp: 1092
Ion Ratio Lower Upper
146 100
111 52.8 22.1 66.3
148 74.4 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.216 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion:146 Resp: 1092
Ion Ratio Lower Upper
146 100
111 52.8 20.6 61.8
148 74.4 31.6 94.8

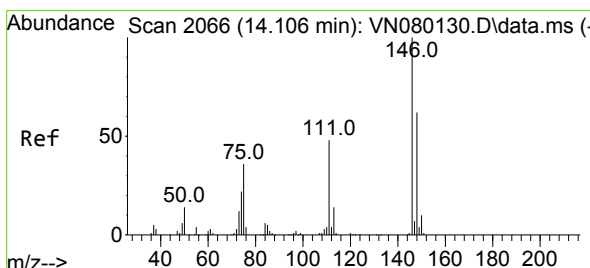
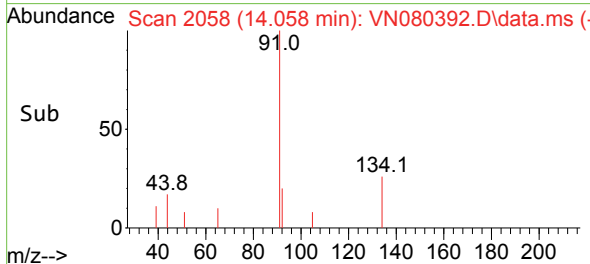
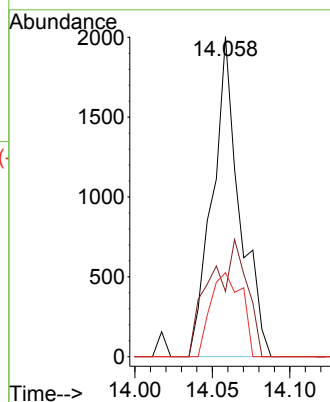
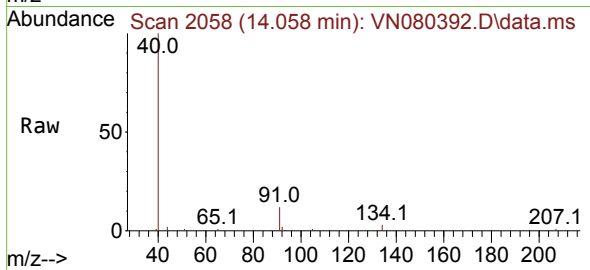




#89
n-Butylbenzene
Concen: 0.333 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

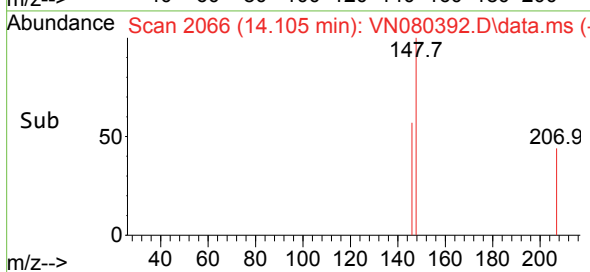
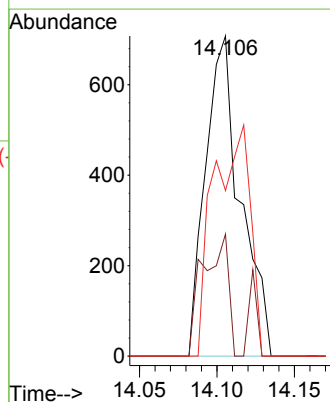
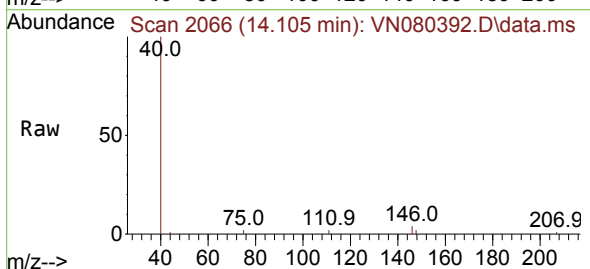
Instrument :
MSVOA_N
ClientSampleId :

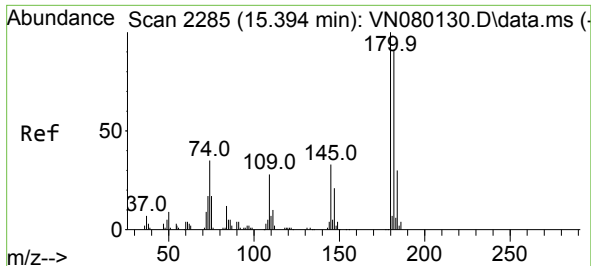
Tgt Ion: 91 Resp: 2434
Ion Ratio Lower Upper
91 100
92 49.0 26.4 79.0
134 30.2 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.230 ug/l
RT: 14.105 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion:146 Resp: 1108
Ion Ratio Lower Upper
146 100
111 27.8 22.0 66.0
148 0.0 31.8 95.3#

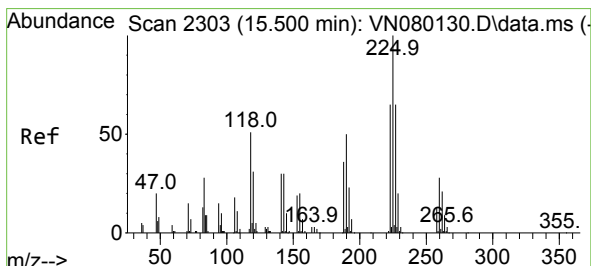
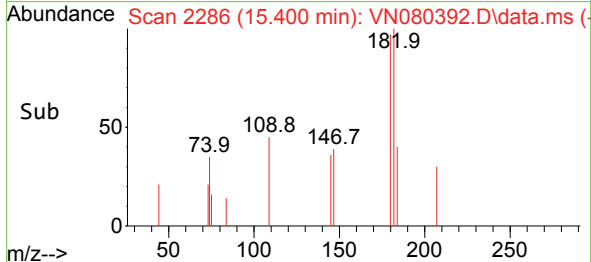
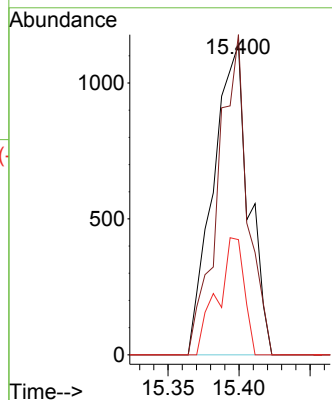
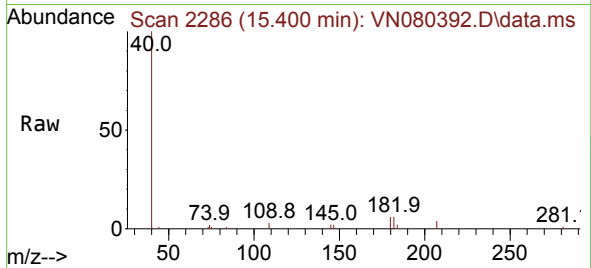




#93
1,2,4-Trichlorobenzene
Concen: 0.714 ug/l
RT: 15.400 min Scan# 2198
Delta R.T. 0.006 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

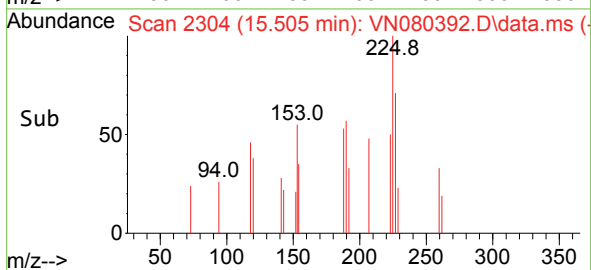
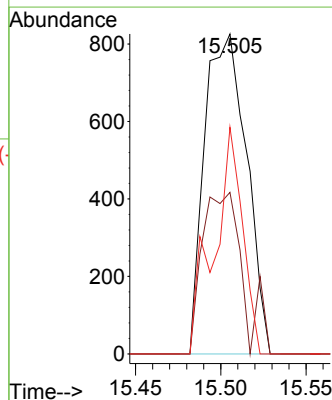
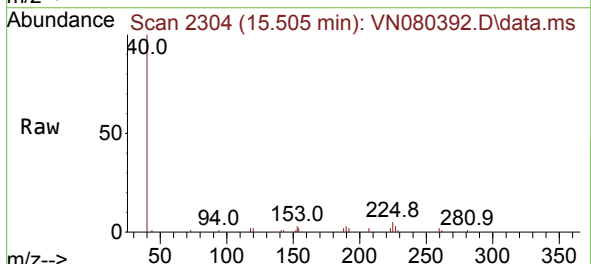
Instrument :
MSVOA_N
ClientSampleId :

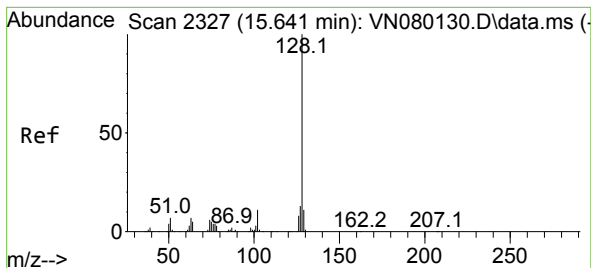
Tgt Ion:180 Resp: 1998
Ion Ratio Lower Upper
180 100
182 85.6 46.1 138.2
145 28.2 16.6 49.8



#94
Hexachlorobutadiene
Concen: 0.875 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN080392.D
Acq: 06 Dec 2023 17:33

Tgt Ion:225 Resp: 1408
Ion Ratio Lower Upper
225 100
223 48.5 31.3 93.8
227 48.6 31.9 95.9





#95

Naphthalene

Concen: 2.054 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080392.D

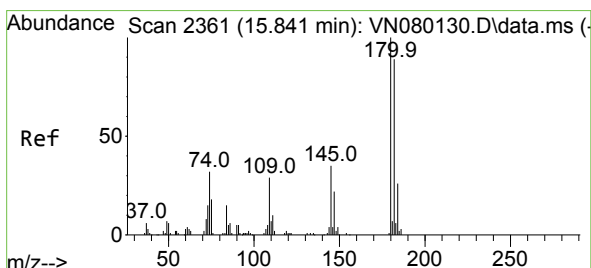
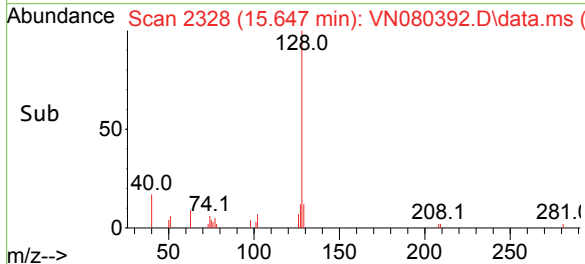
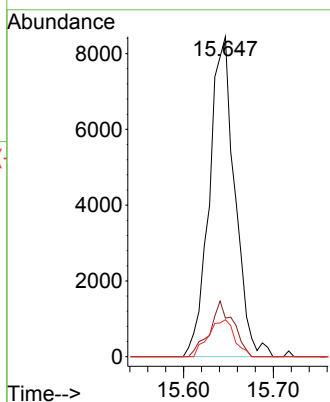
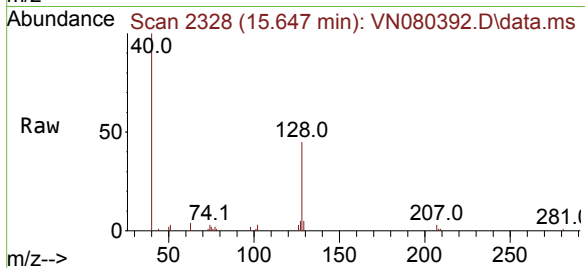
Acq: 06 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	16664
Ion Ratio	Lower	Upper
128	100	
127	16.1	10.0 15.0#
129	11.9	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.008 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080392.D

Acq: 06 Dec 2023 17:33

Tgt Ion:180	Resp:	2642
Ion Ratio	Lower	Upper
180	100	
182	77.7	46.2 138.6
145	31.2	17.5 52.6

