

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080423.D
 Acq On : 08 Dec 2023 21:55
 Operator : JC\MD
 Sample : 05718-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:48:35 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	291196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	533695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	547559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222875	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	220840	45.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.860%
35) Dibromofluoromethane	8.165	113	191080	48.523	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.040%
50) Toluene-d8	10.571	98	704224	49.609	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.847	95	271009	50.543	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.080%

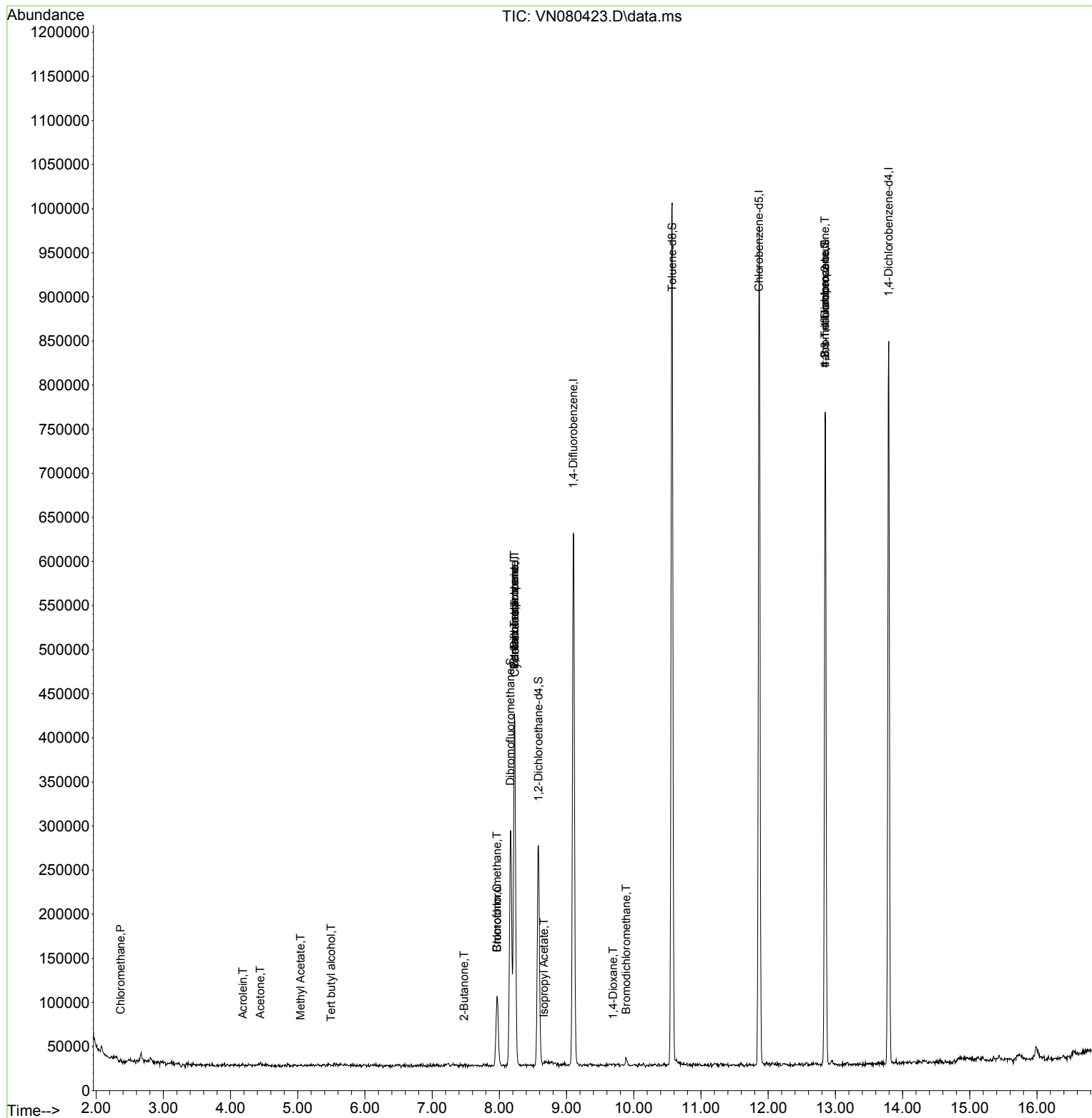
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	4244	1.301	ug/l	91
6) Chloroethane	3.159	64	550	Below Cal	#	43
11) Tert butyl alcohol	5.494	59	153	0.289	ug/l #	72
13) Acrolein	4.183	56	1766	3.774	ug/l #	71
16) Acetone	4.442	43	4928	3.052	ug/l	90
18) Methyl Acetate	5.041	43	1390	0.268	ug/l #	49
25) 2-Butanone	7.477	43	1110	0.579	ug/l #	37
28) Bromochloromethane	7.965	49	5981	2.438	ug/l #	5
30) Chloroform	7.965	83	78172	11.209	ug/l	92
31) Cyclohexane	8.230	56	5111	0.977	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	23260	4.080	ug/l #	47
38) Carbon Tetrachloride	8.224	117	31654	4.375	ug/l #	16
43) Isopropyl Acetate	8.665	43	2322	0.302	ug/l #	49
47) Bromodichloromethane	9.888	83	5542	0.884	ug/l #	84
49) 1,4-Dioxane	9.694	88	315	4.774	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	145025	26.557	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	145025	89.726	ug/l #	15

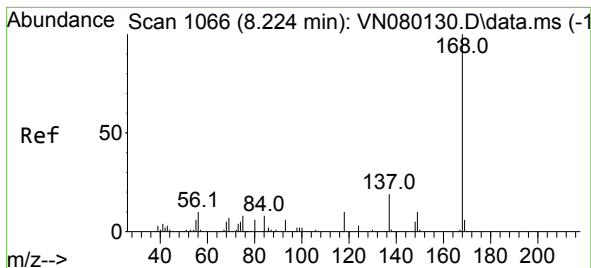
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. -0.000 min

Lab File: VN080423.D

Acq: 08 Dec 2023 21:55

Instrument :

MSVOA_N

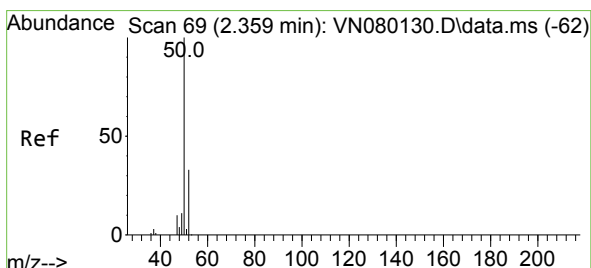
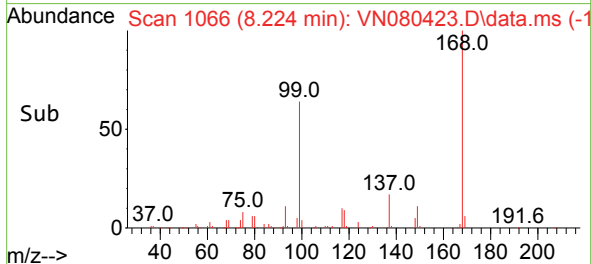
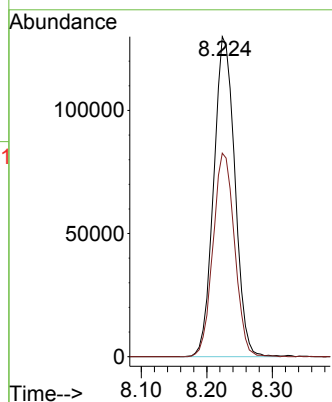
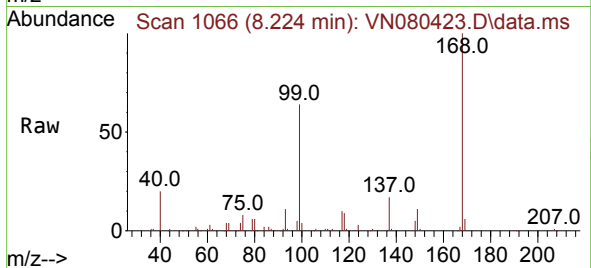
ClientSampleId :

Tgt Ion:168 Resp: 291196

Ion Ratio Lower Upper

168 100

99 63.6 53.0 79.6



#3

Chloromethane

Concen: 1.301 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080423.D

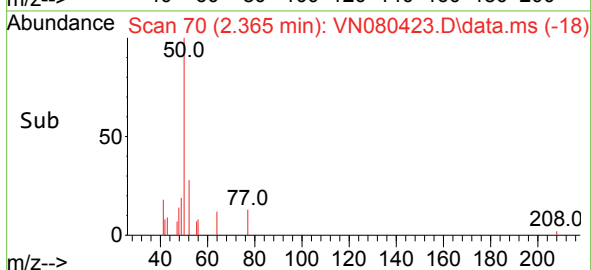
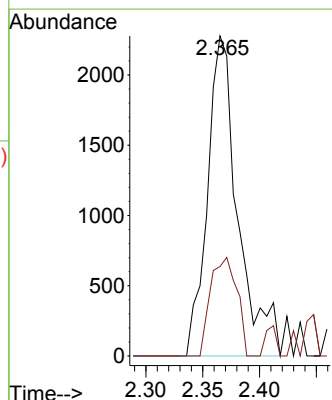
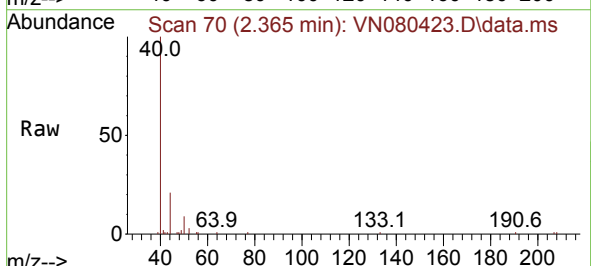
Acq: 08 Dec 2023 21:55

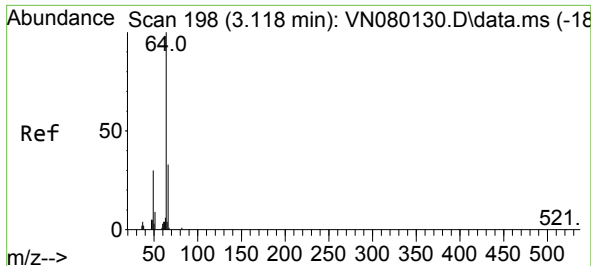
Tgt Ion: 50 Resp: 4244

Ion Ratio Lower Upper

50 100

52 28.0 26.5 39.7

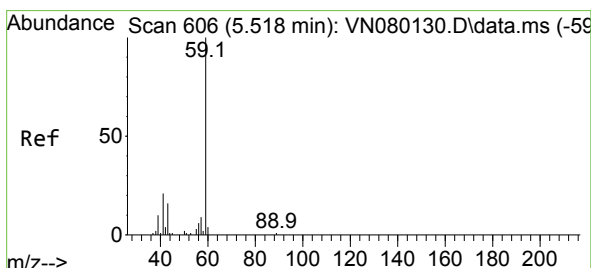
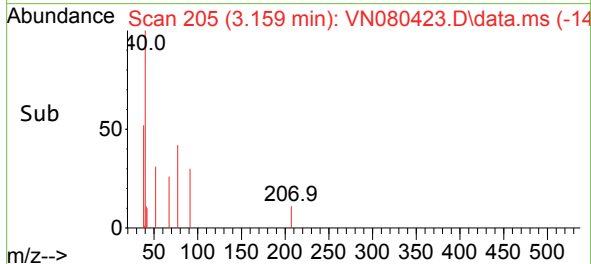
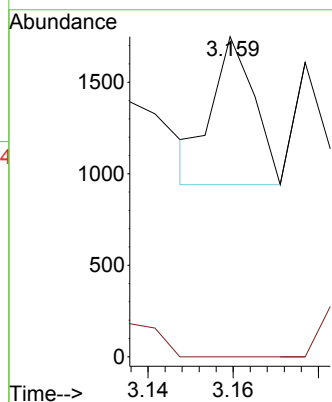
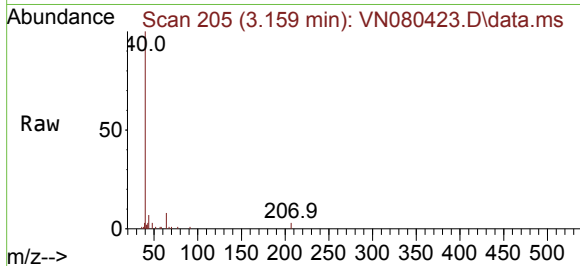




#6
Chloroethane
Concen: Below Cal
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

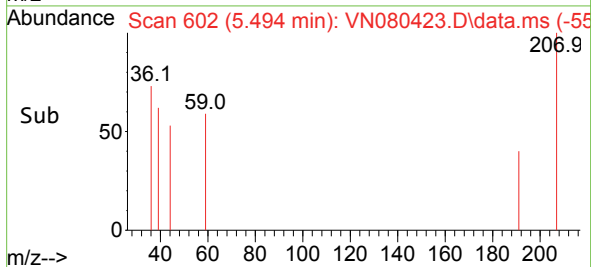
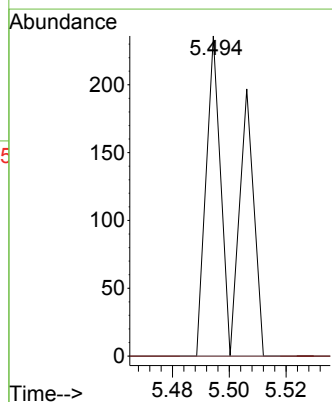
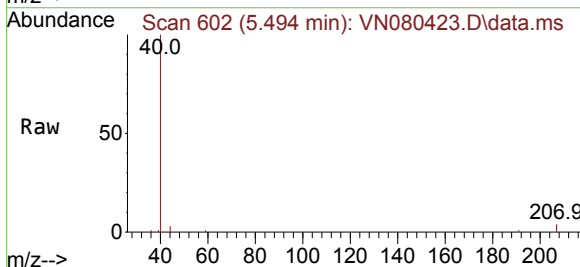
Instrument :
MSVOA_N
ClientSampleId :

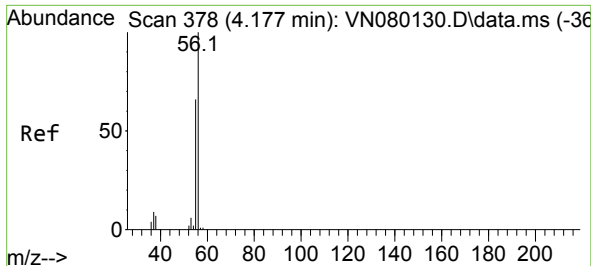
Tgt Ion: 64 Resp: 550
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.289 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.024 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 3.774 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080423.D

Acq: 08 Dec 2023 21:55

Instrument :

MSVOA_N

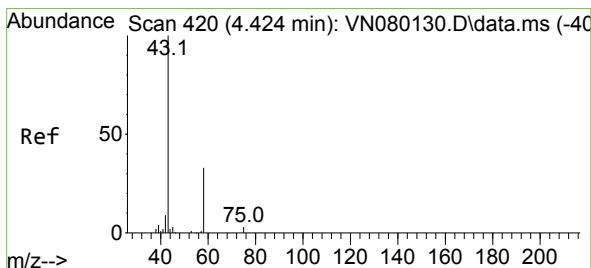
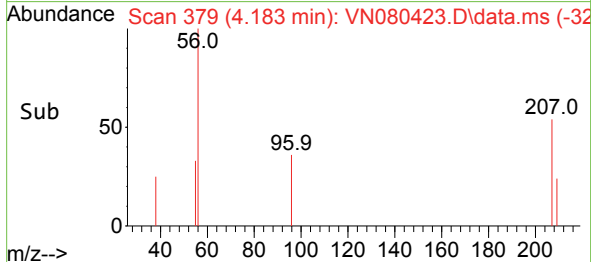
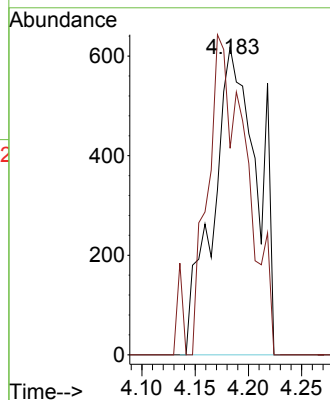
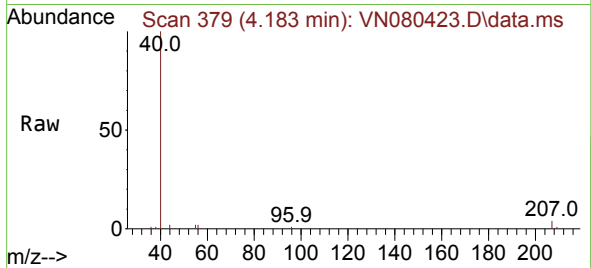
ClientSampleId :

Tgt Ion: 56 Resp: 1766

Ion Ratio Lower Upper

56 100

55 91.7 54.5 81.7#



#16

Acetone

Concen: 3.052 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.018 min

Lab File: VN080423.D

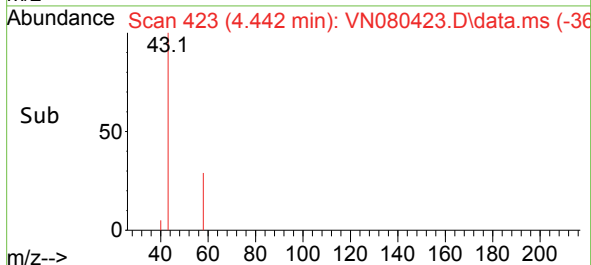
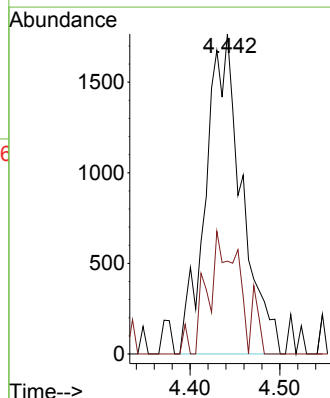
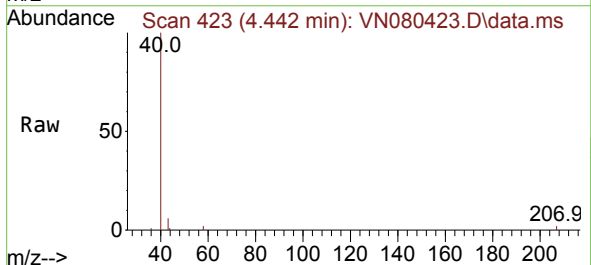
Acq: 08 Dec 2023 21:55

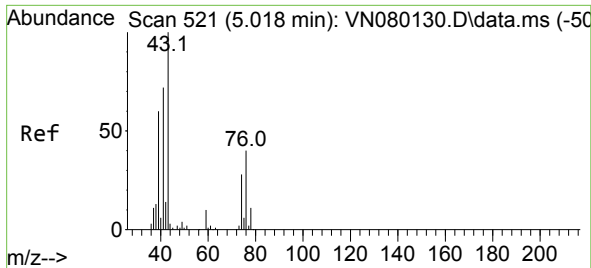
Tgt Ion: 43 Resp: 4928

Ion Ratio Lower Upper

43 100

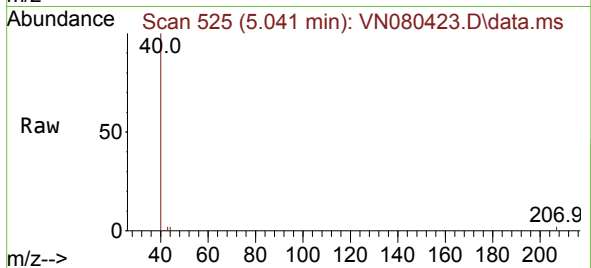
58 29.0 28.0 42.0



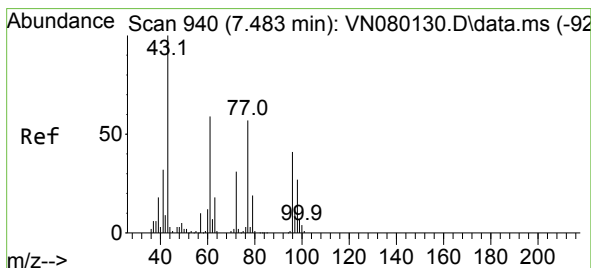
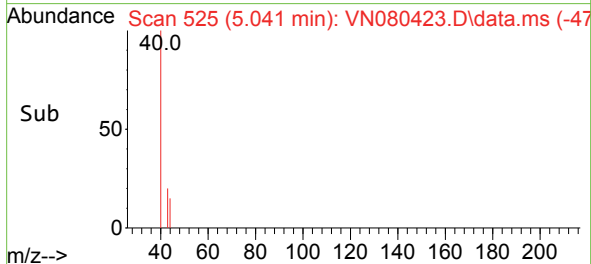
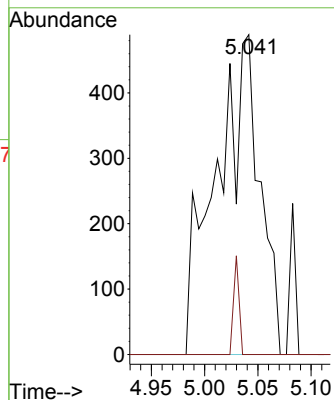


#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

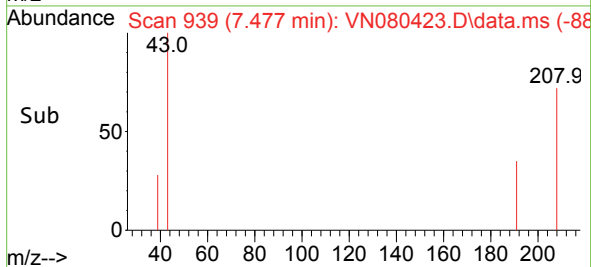
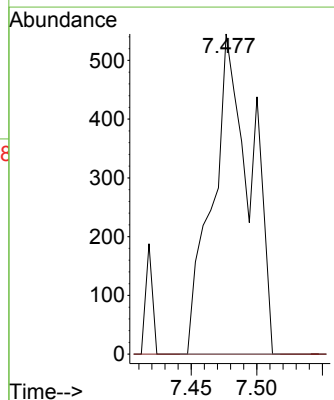
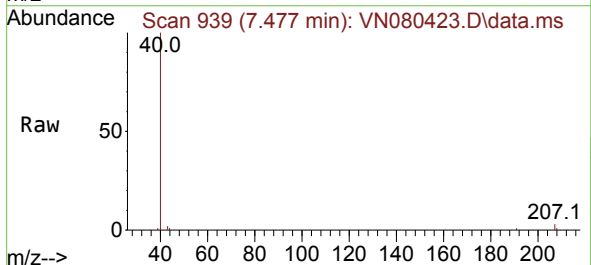


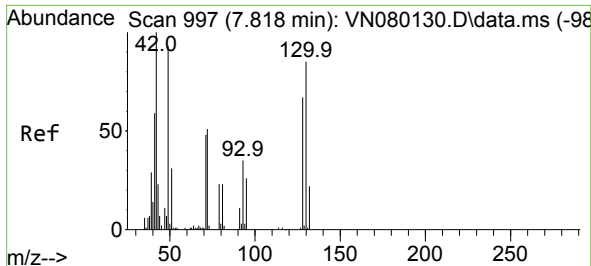
Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
74 3.8 26.2 39.4#



#25
2-Butanone
Concen: 0.579 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#

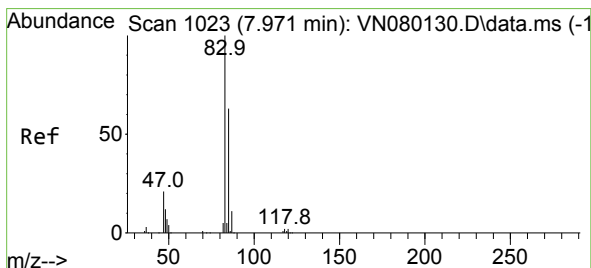
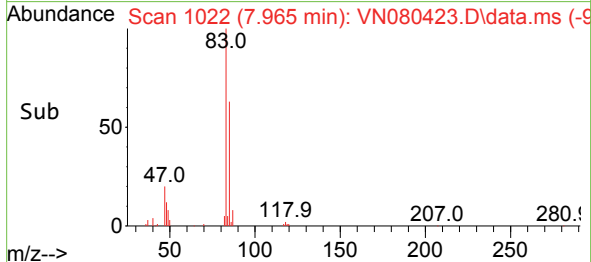
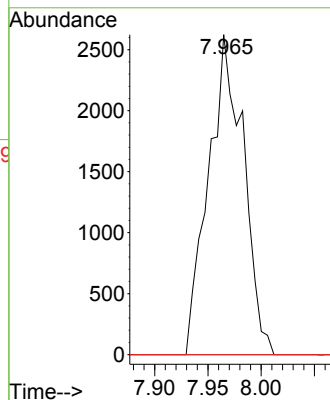
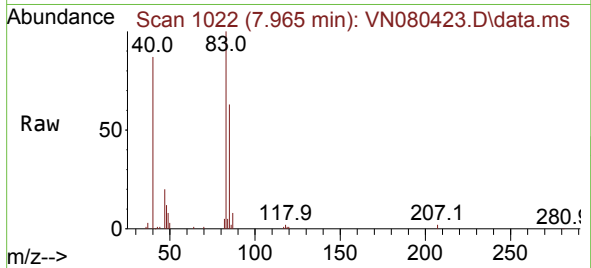




#28
Bromochloromethane
Concen: 2.438 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.147 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

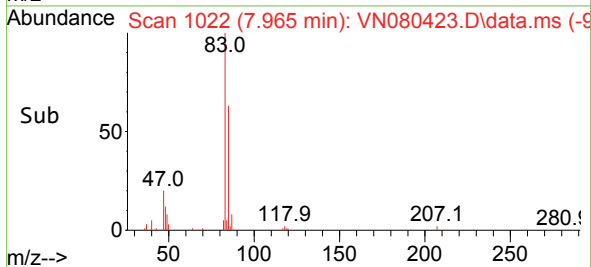
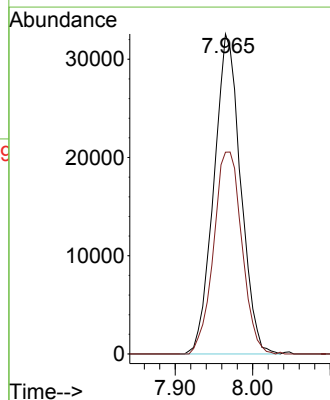
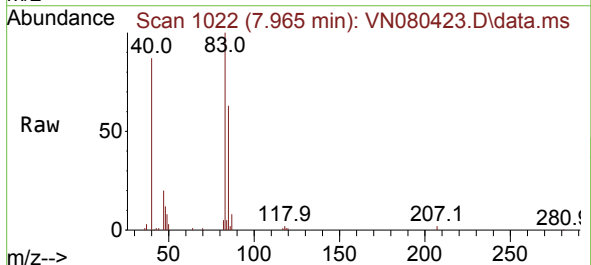
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MSVOA_N
ClientSampleId :

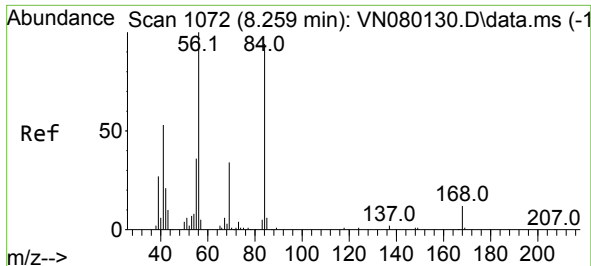
Tgt Ion: 49 Resp: 5981
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#30
Chloroform
Concen: 11.209 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

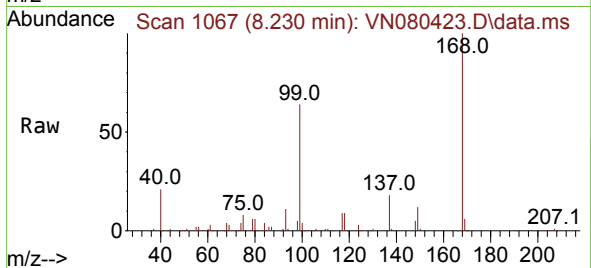
Tgt Ion: 83 Resp: 78172
Ion Ratio Lower Upper
83 100
85 63.0 55.4 83.0



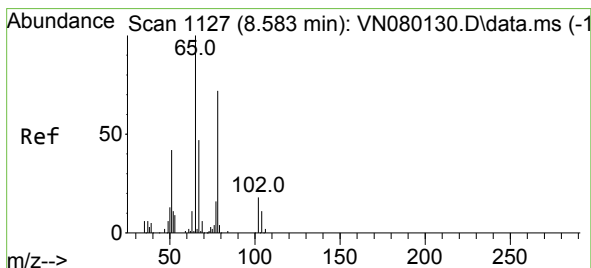
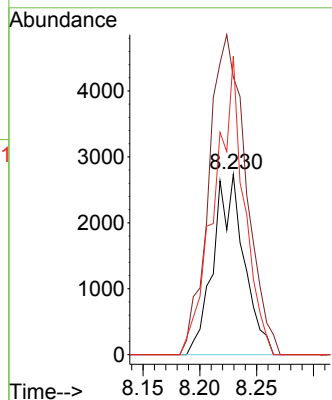
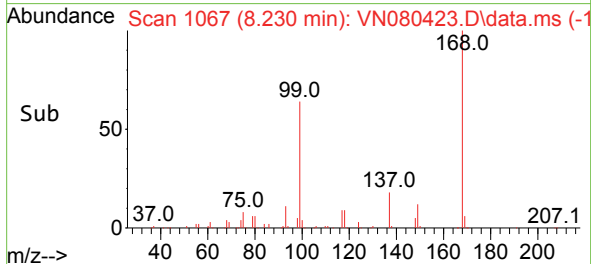


#31
Cyclohexane
Concen: 0.977 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

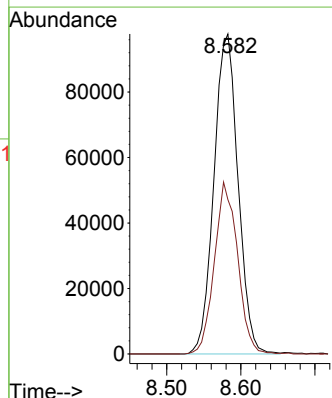
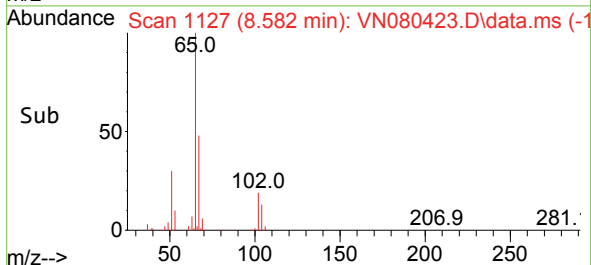
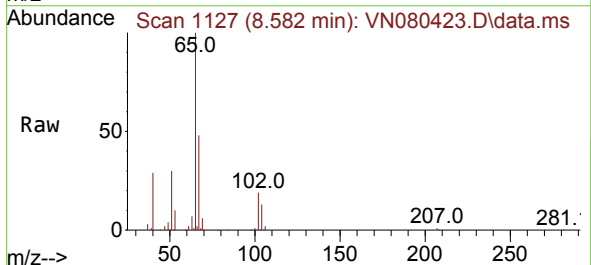


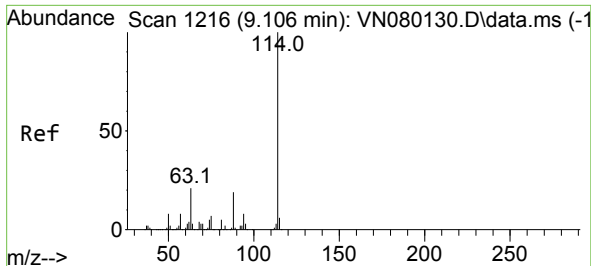
Tgt Ion: 56 Resp: 5111
Ion Ratio Lower Upper
56 100
69 153.8 26.8 40.2#
84 165.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.931 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Tgt Ion: 65 Resp: 220840
Ion Ratio Lower Upper
65 100
67 51.7 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: VN080423.D

Acq: 08 Dec 2023 21:55

Instrument :

MSVOA_N

ClientSampleId :

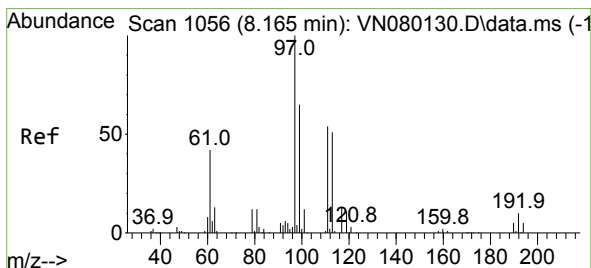
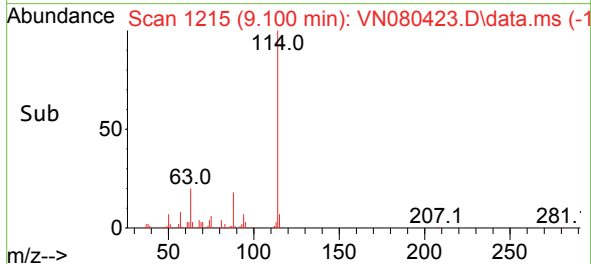
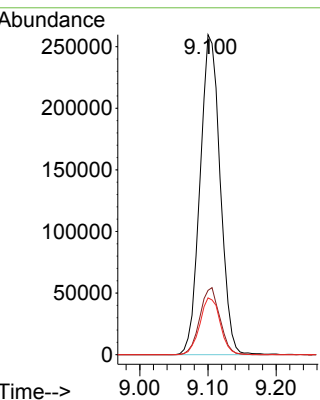
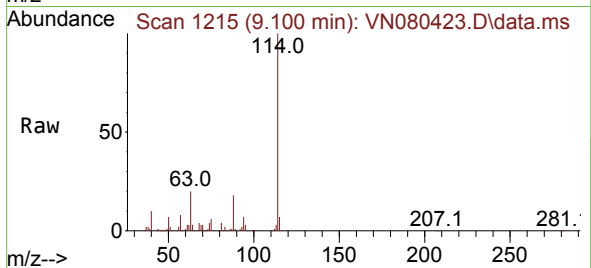
Tgt Ion:114 Resp: 533695

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 17.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.523 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080423.D

Acq: 08 Dec 2023 21:55

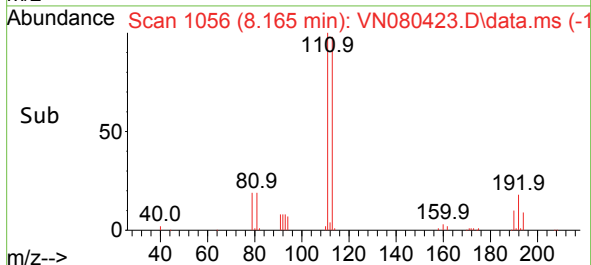
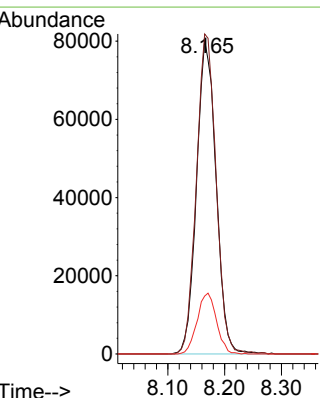
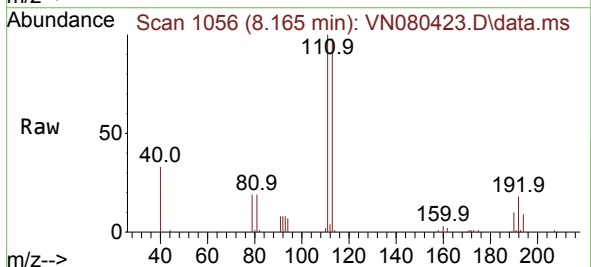
Tgt Ion:113 Resp: 191080

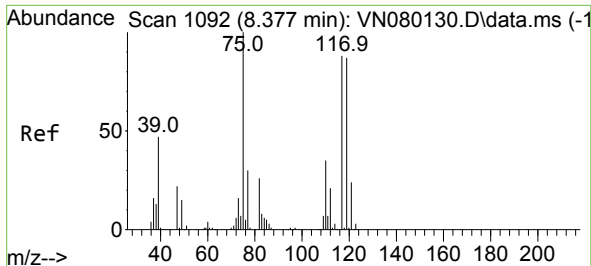
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

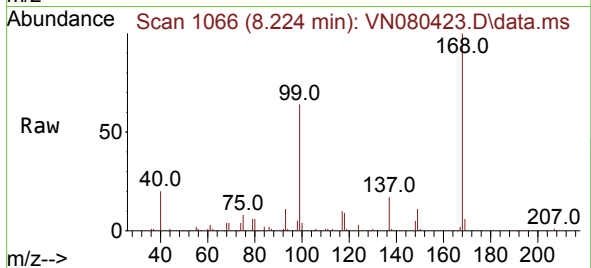
192 19.2 12.7 19.1#



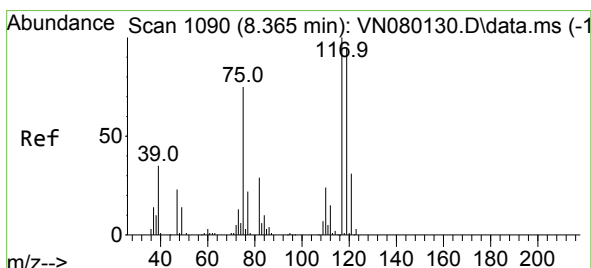
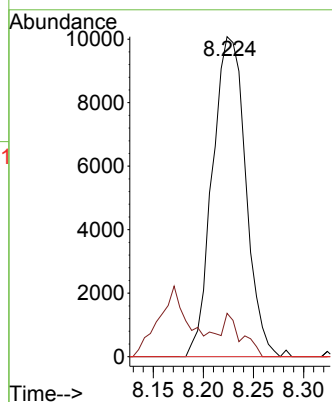
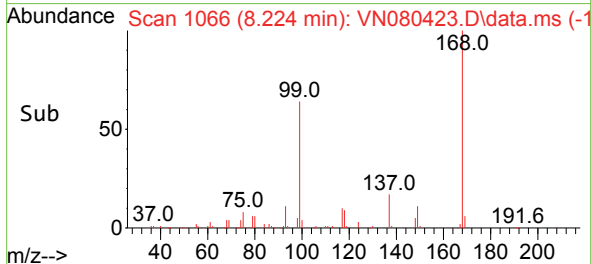


#36
1,1-Dichloropropene
Concen: 4.080 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

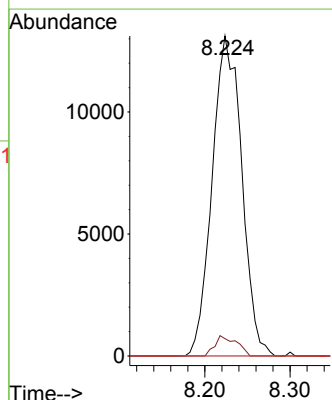
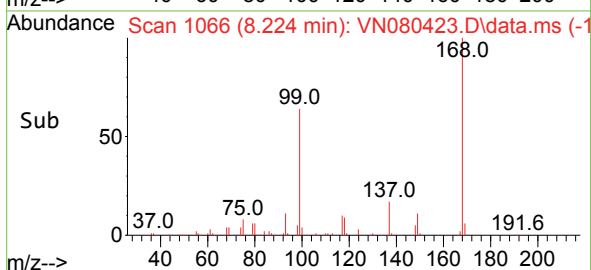
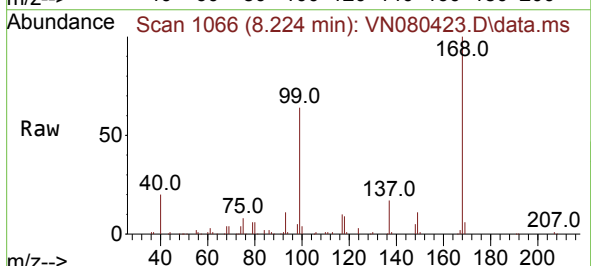


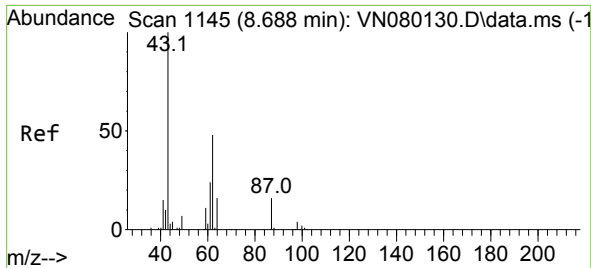
Tgt Ion: 75 Resp: 23260
Ion Ratio Lower Upper
75 100
110 7.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.375 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

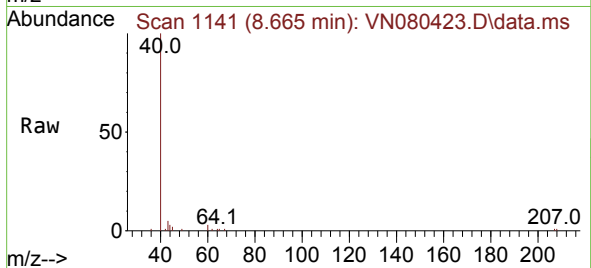
Tgt Ion: 117 Resp: 31654
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



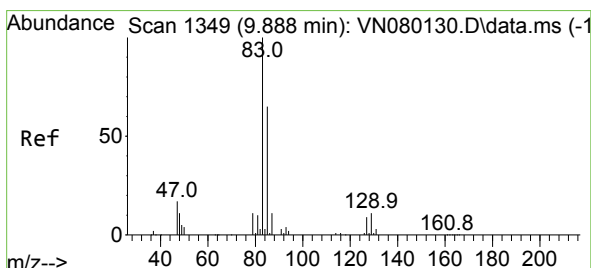
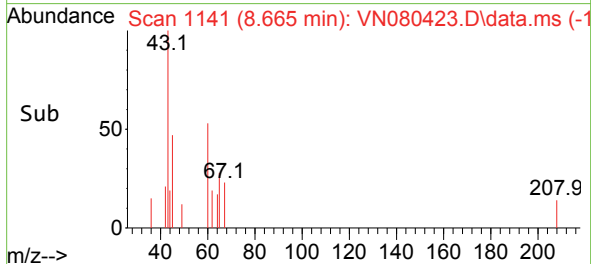
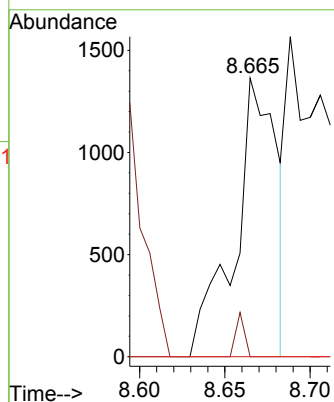


#43
Isopropyl Acetate
Concen: 0.302 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.024 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

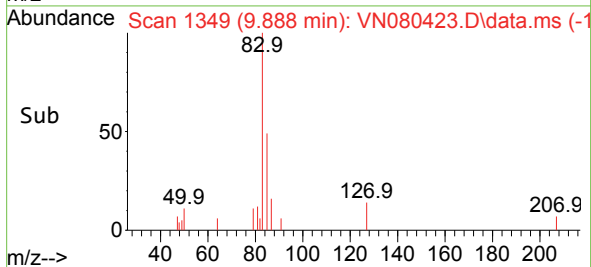
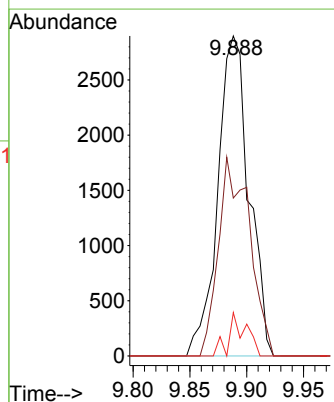
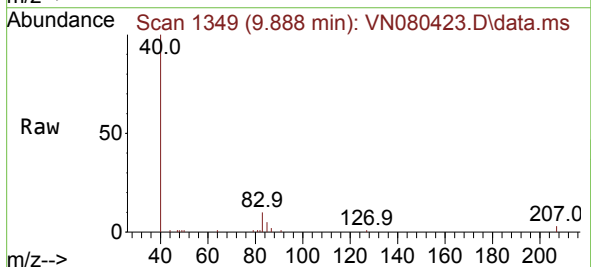


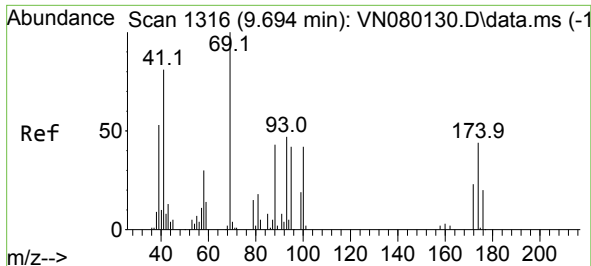
Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#47
Bromodichloromethane
Concen: 0.884 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Tgt Ion: 83 Resp: 5542
Ion Ratio Lower Upper
83 100
85 49.4 49.6 74.4#
127 13.6 7.0 10.6#





#49

1,4-Dioxane

Concen: 4.774 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080423.D

Acq: 08 Dec 2023 21:55

Instrument :

MSVOA_N

ClientSampleId :

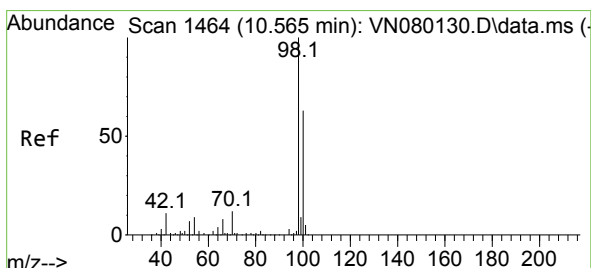
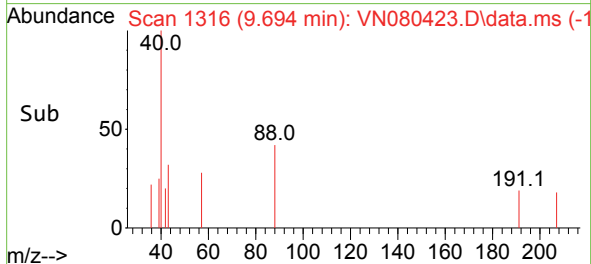
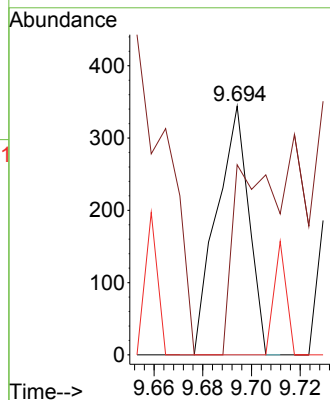
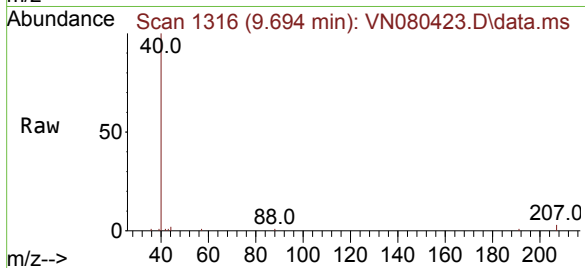
Tgt Ion: 88 Resp: 315

Ion Ratio Lower Upper

88 100

43 104.8 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.609 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080423.D

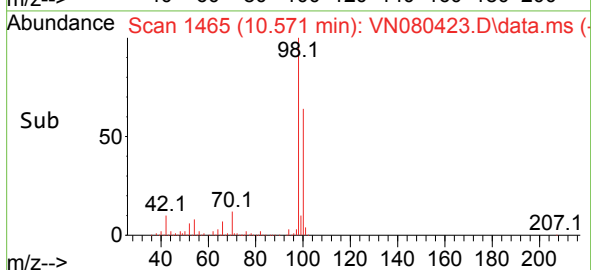
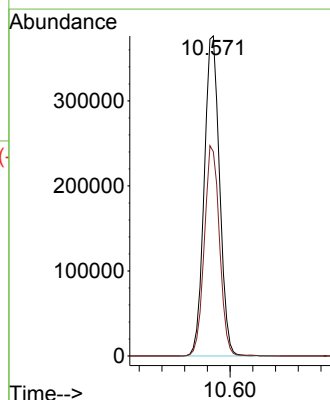
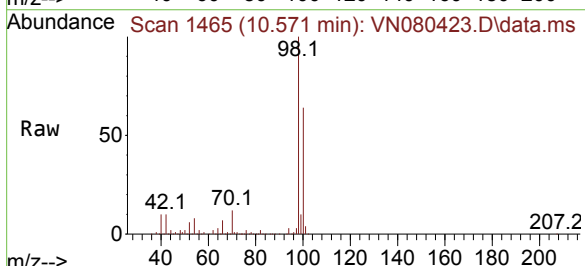
Acq: 08 Dec 2023 21:55

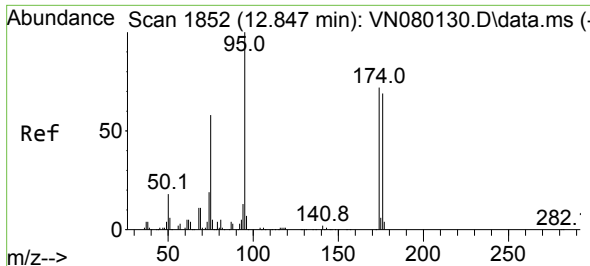
Tgt Ion: 98 Resp: 704224

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

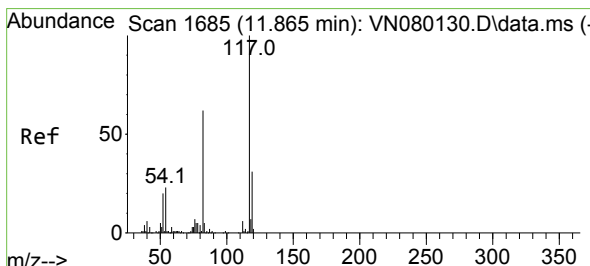
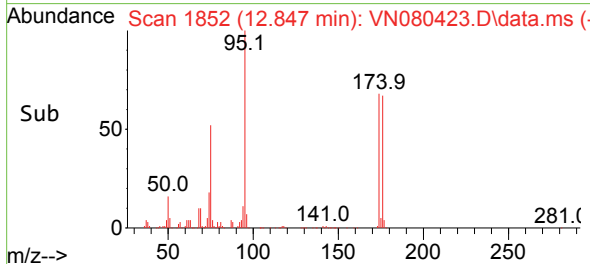
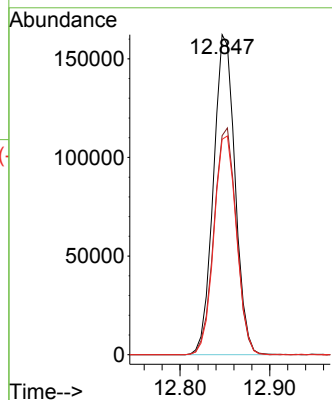
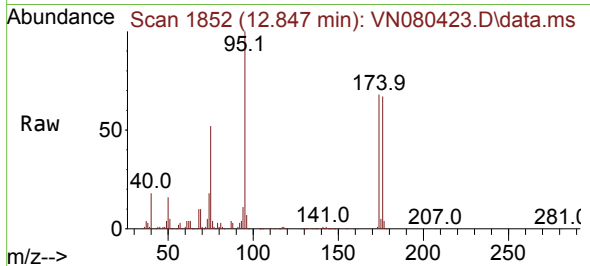




#62
4-Bromofluorobenzene
Concen: 50.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

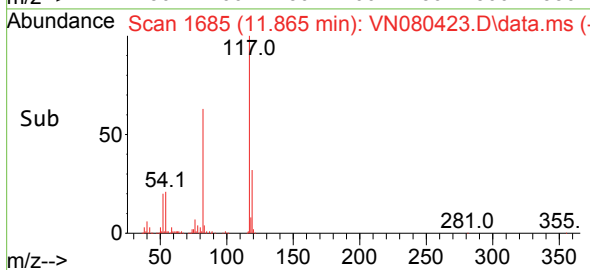
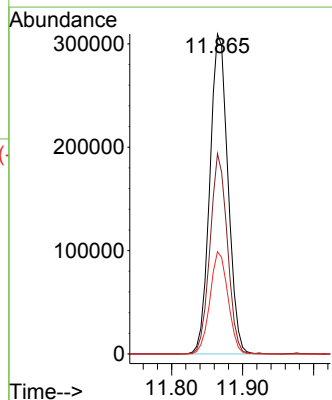
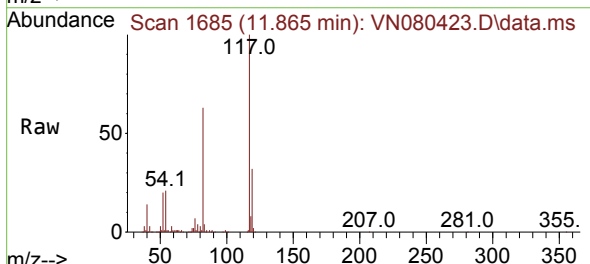
Instrument :
MSVOA_N
ClientSampleId :

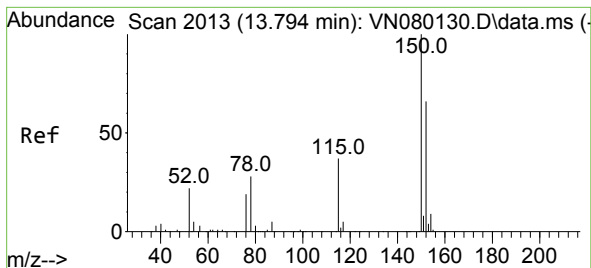
Tgt Ion: 95 Resp: 271009
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080423.D
Acq: 08 Dec 2023 21:55

Tgt Ion: 117 Resp: 547559
Ion Ratio Lower Upper
117 100
82 62.6 44.0 66.0
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080423.D

Acq: 08 Dec 2023 21:55

Instrument :

MSVOA_N

ClientSampleId :

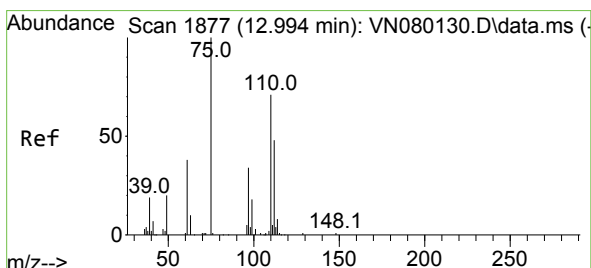
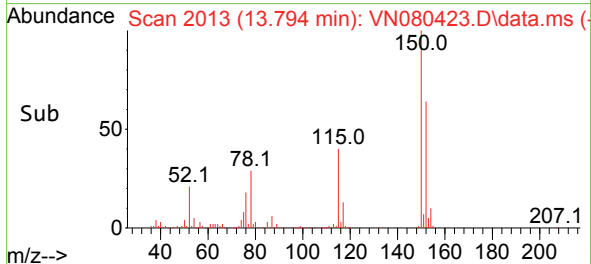
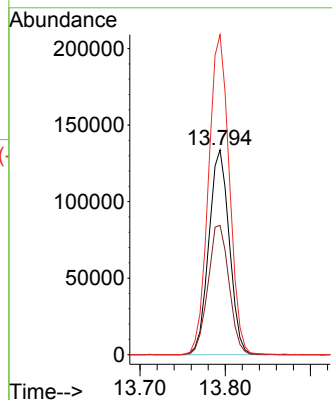
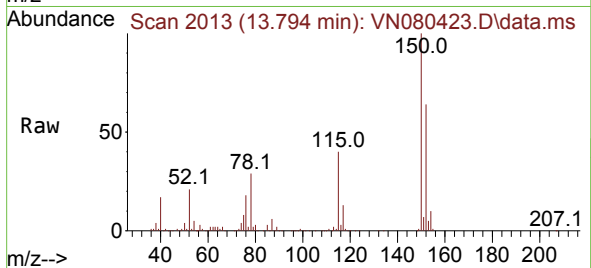
Tgt Ion:152 Resp: 222875

Ion Ratio Lower Upper

152 100

115 65.0 32.3 96.8

150 158.9 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.557 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080423.D

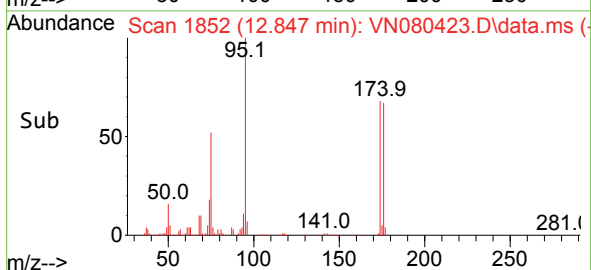
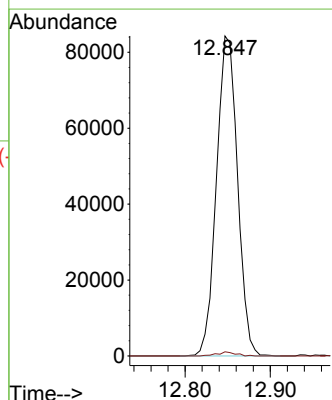
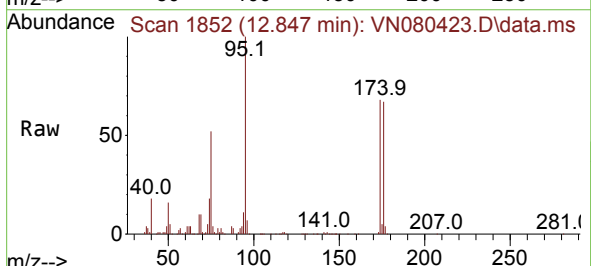
Acq: 08 Dec 2023 21:55

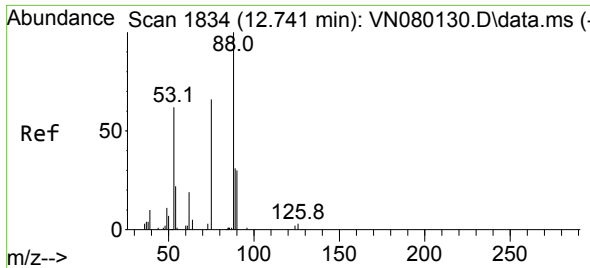
Tgt Ion: 75 Resp: 145025

Ion Ratio Lower Upper

75 100

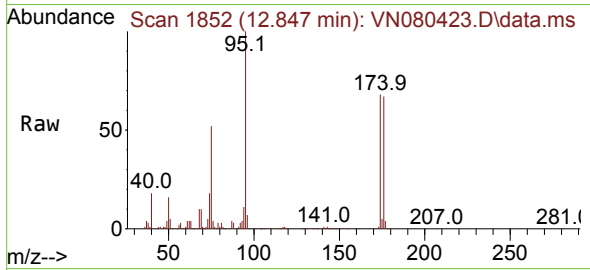
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.726 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN080423.D
 Acq: 08 Dec 2023 21:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 145025
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

