

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080470.D
 Acq On : 13 Dec 2023 18:26
 Operator : JC\MD
 Sample : 05791-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:11:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

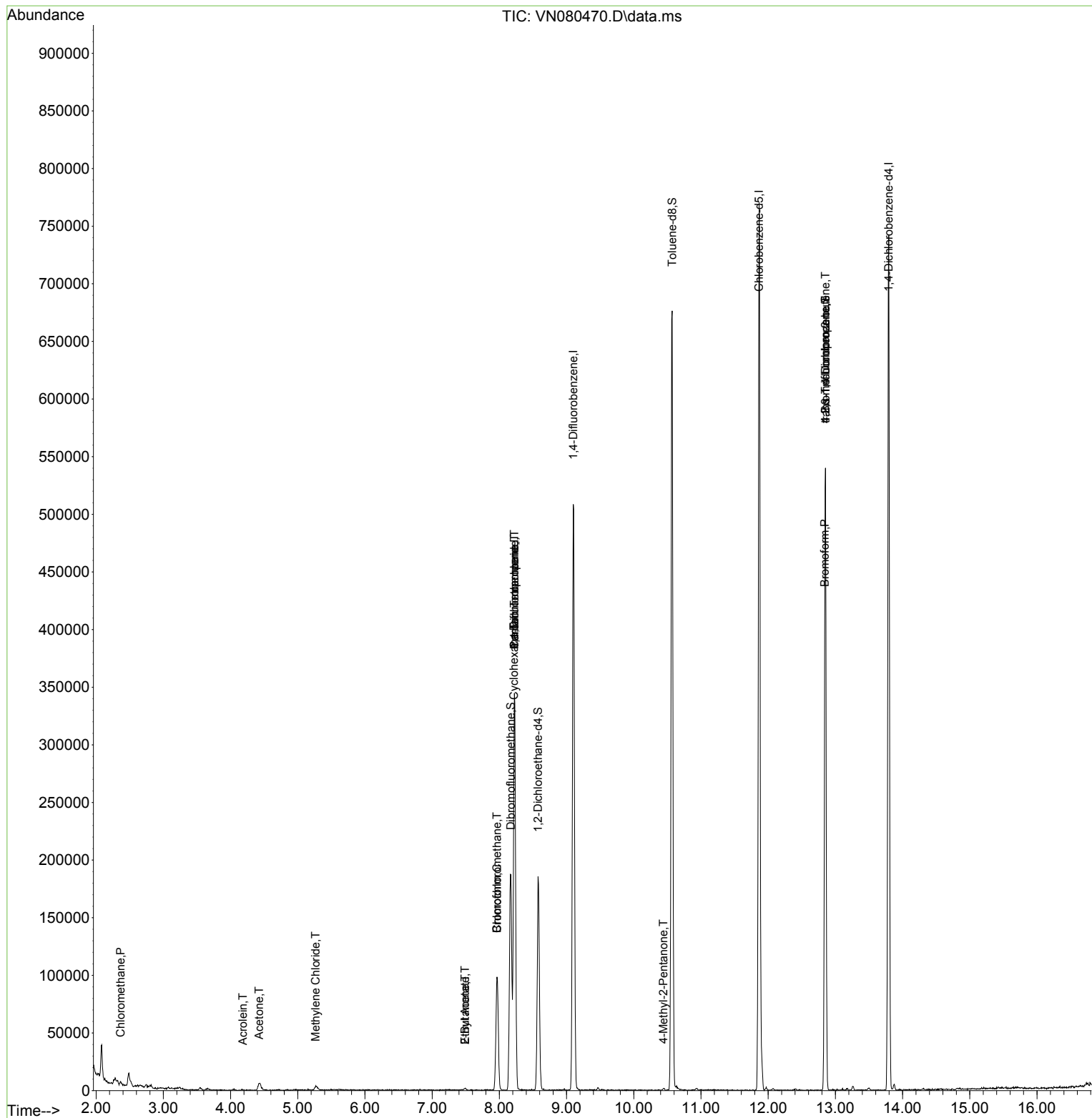
Internal Standards						
1) Pentafluorobenzene	8.224	168	246797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	440446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	448727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161500	51.235	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.460%		
35) Dibromofluoromethane	8.171	113	136857	49.007	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.020%		
50) Toluene-d8	10.571	98	476557	45.757	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.520%		
62) 4-Bromofluorobenzene	12.853	95	192081	48.569	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 97.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2934	0.489	ug/l #	86
13) Acrolein	4.183	56	377	0.927	ug/l #	82
16) Acetone	4.424	43	12892	23.066	ug/l #	80
20) Methylene Chloride	5.265	84	3036	1.015	ug/l #	85
25) 2-Butanone	7.488	43	2409	2.237	ug/l	93
28) Bromochloromethane	7.965	49	7157	3.771	ug/l #	5
30) Chloroform	7.965	83	100556	18.327	ug/l	97
31) Cyclohexane	8.218	56	5483	1.279	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	19822	4.341	ug/l #	49
37) Ethyl Acetate	7.488	43	2409	0.843	ug/l #	63
38) Carbon Tetrachloride	8.224	117	27168	4.980	ug/l #	17
51) 4-Methyl-2-Pentanone	10.441	43	1115	0.394	ug/l	97
71) Bromoform	12.841	173	675	0.236	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	106540	26.109	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106540	68.553	ug/l #	15

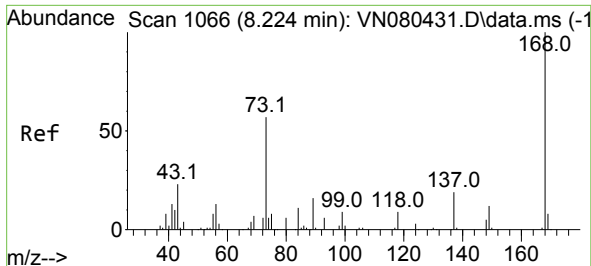
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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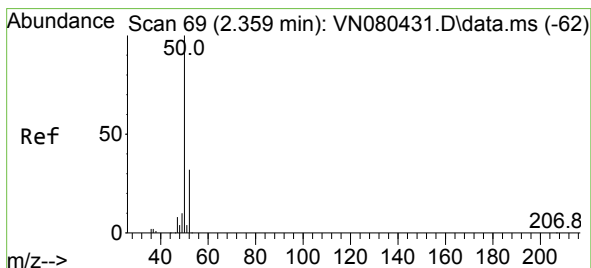
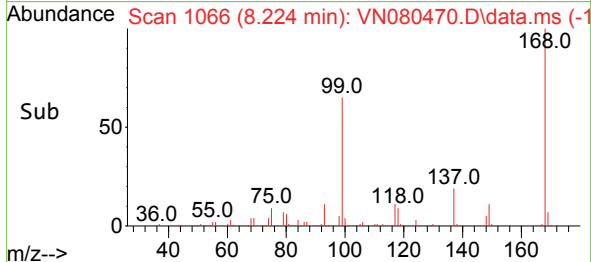
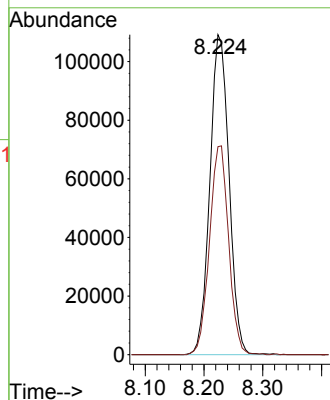
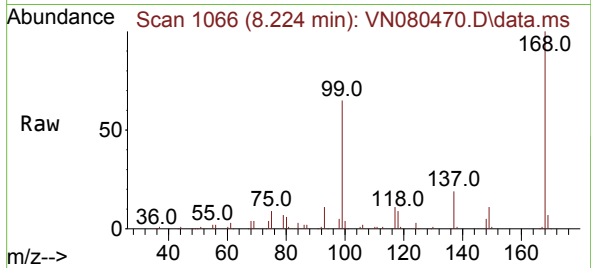




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

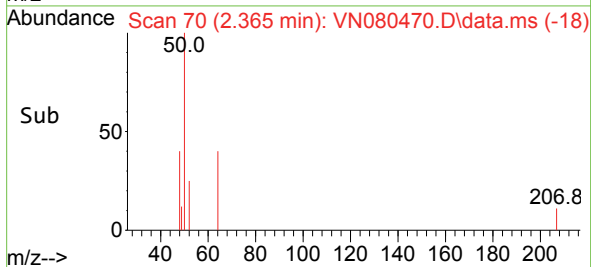
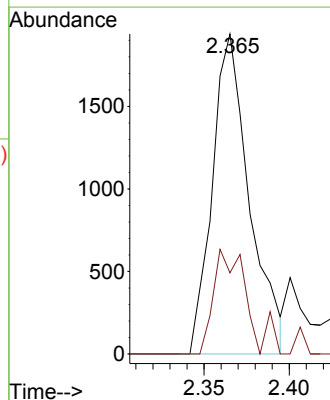
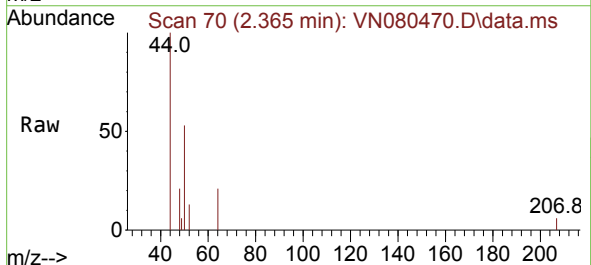
Instrument :
MSVOA_N
ClientSampleId :

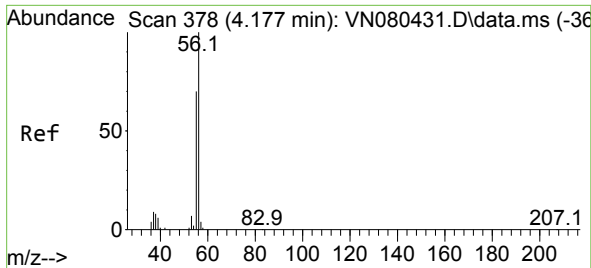
Tgt Ion:168 Resp: 246797
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#3
Chloromethane
Concen: 0.489 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Tgt Ion: 50 Resp: 2934
Ion Ratio Lower Upper
50 100
52 25.4 26.5 39.7#





#13

Acrolein

Concen: 0.927 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

Instrument :

MSVOA_N

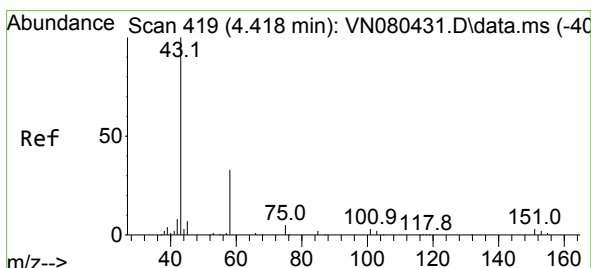
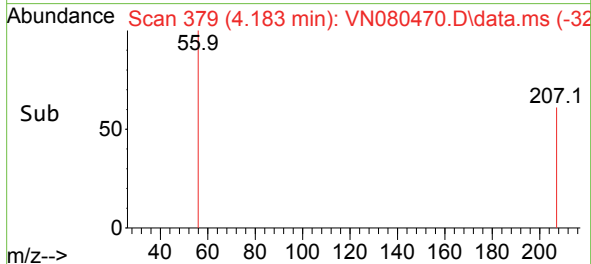
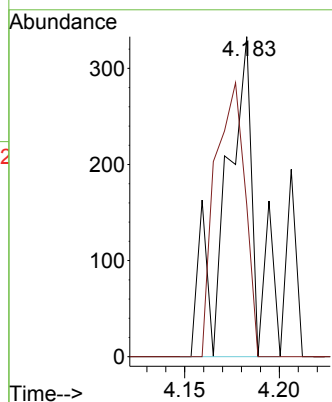
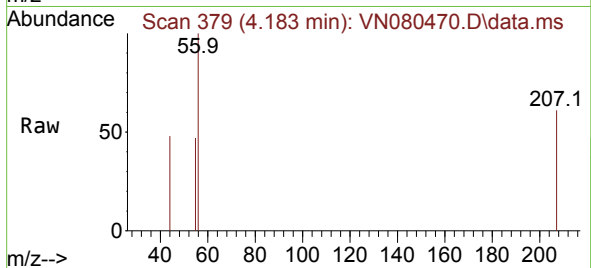
ClientSampleId :

Tgt Ion: 56 Resp: 377

Ion Ratio Lower Upper

56 100

55 82.5 54.5 81.7#



#16

Acetone

Concen: 23.066 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN080470.D

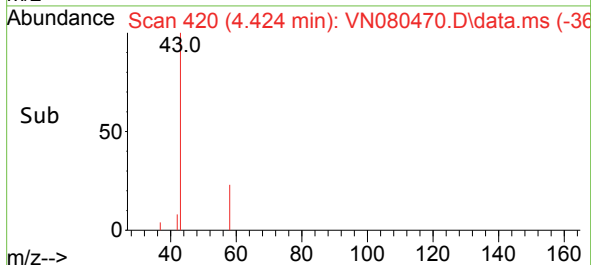
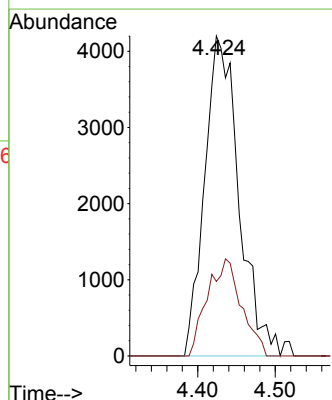
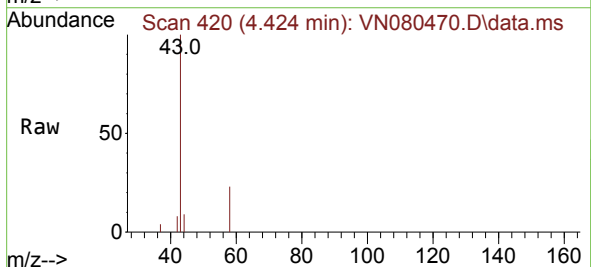
Acq: 13 Dec 2023 18:26

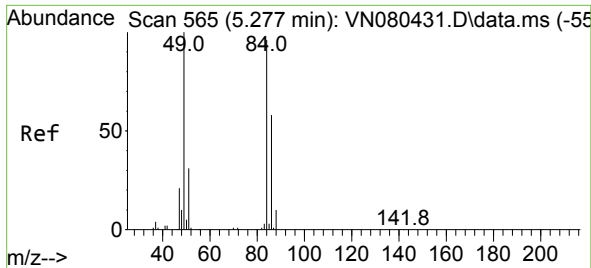
Tgt Ion: 43 Resp: 12892

Ion Ratio Lower Upper

43 100

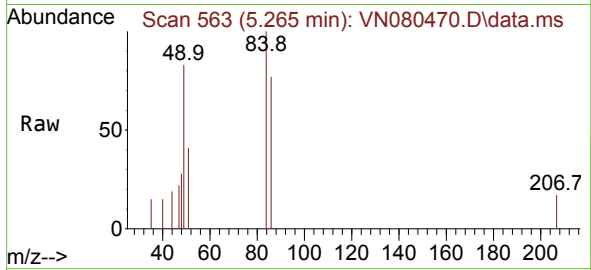
58 23.3 28.0 42.0#



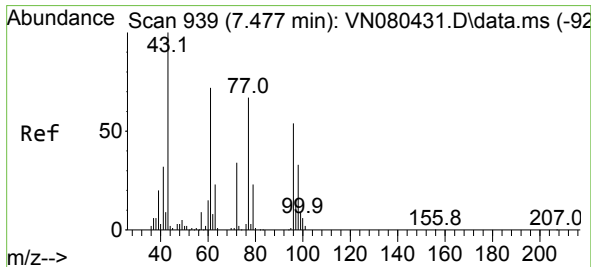
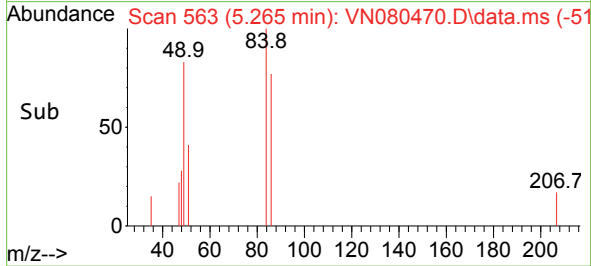
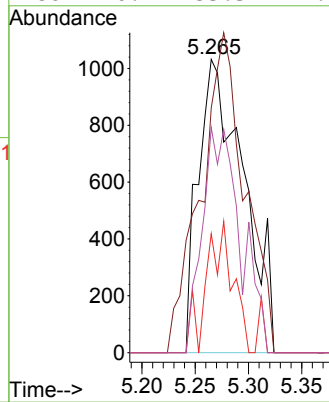


#20
Methylene Chloride
Concen: 1.015 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Instrument :
MSVOA_N
ClientSampleId :

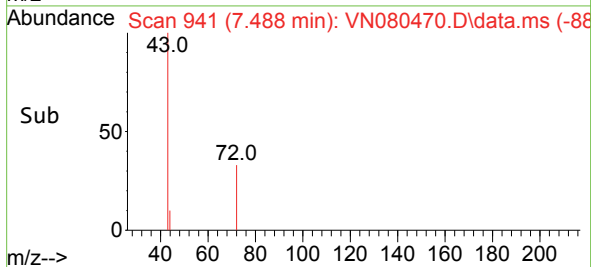
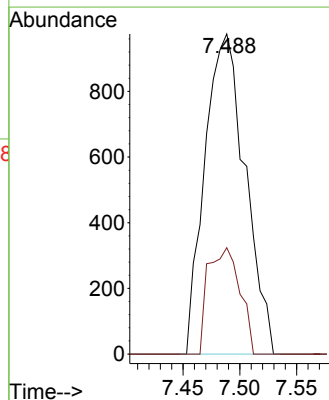
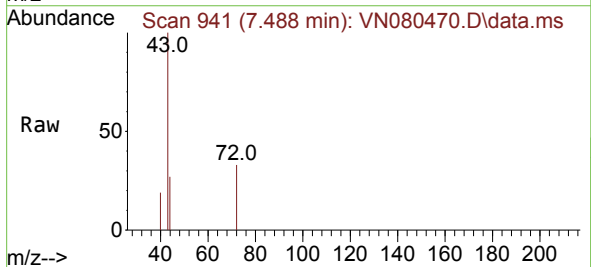


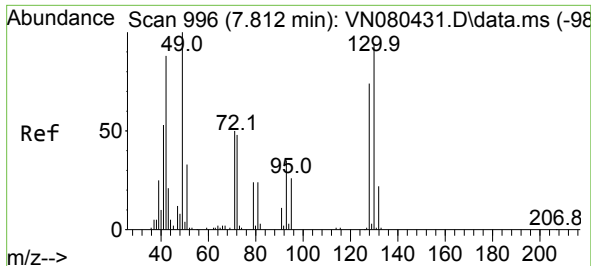
Tgt Ion: 84 Resp: 3036
Ion Ratio Lower Upper
84 100
49 83.4 79.7 119.5
51 40.5 25.2 37.8#
86 76.7 53.3 79.9



#25
2-Butanone
Concen: 2.237 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

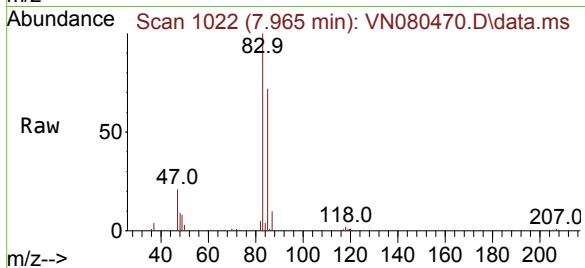
Tgt Ion: 43 Resp: 2409
Ion Ratio Lower Upper
43 100
72 33.2 30.2 45.2



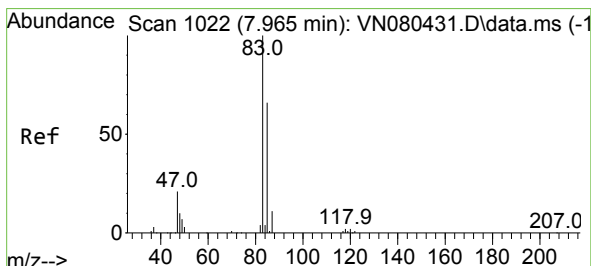
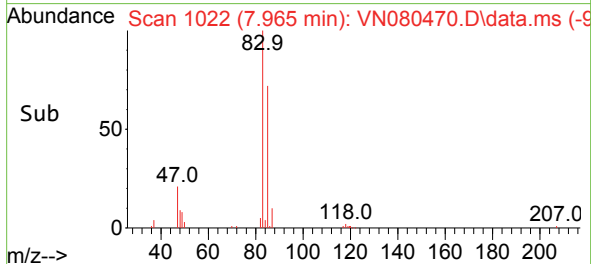
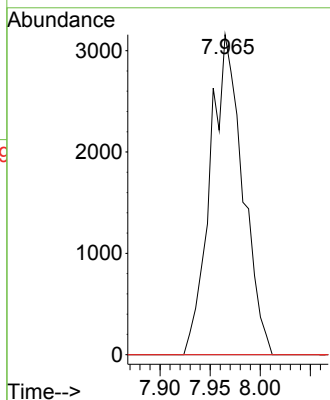


#28
Bromochloromethane
Concen: 3.771 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Instrument :
MSVOA_N
ClientSampleId :

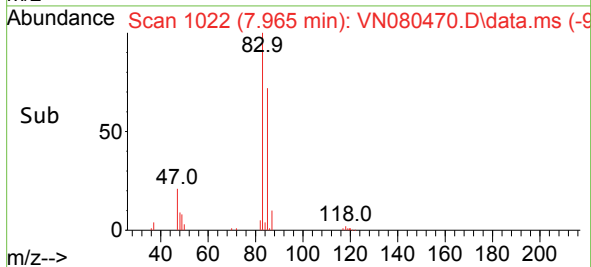
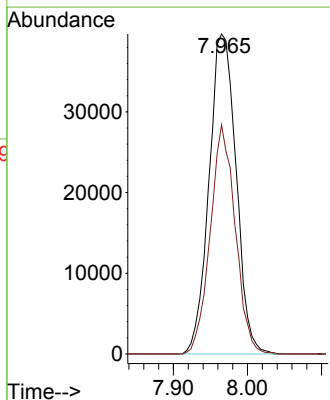
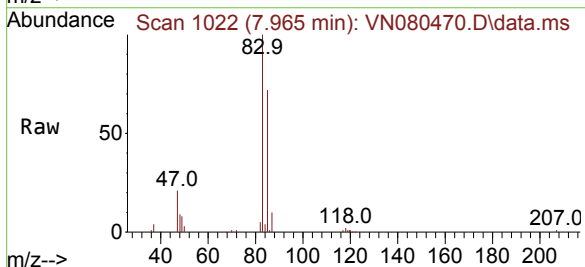


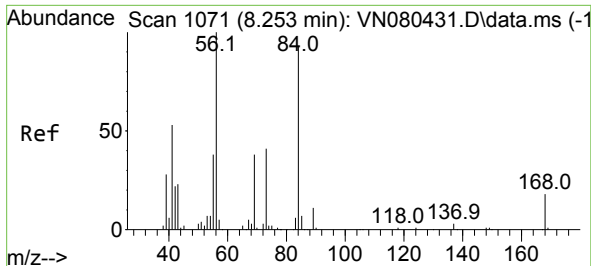
Tgt Ion: 49 Resp: 7157
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#30
Chloroform
Concen: 18.327 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

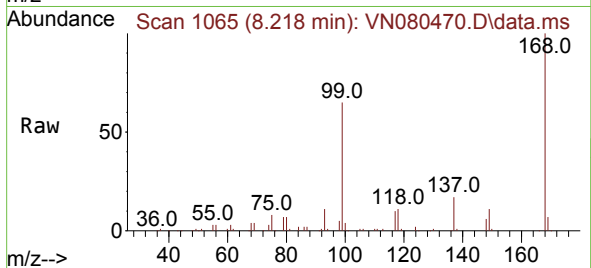
Tgt Ion: 83 Resp: 100556
Ion Ratio Lower Upper
83 100
85 71.6 55.4 83.0



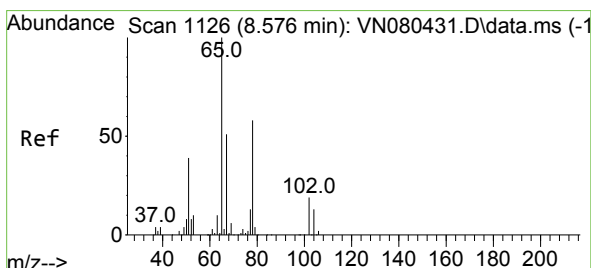
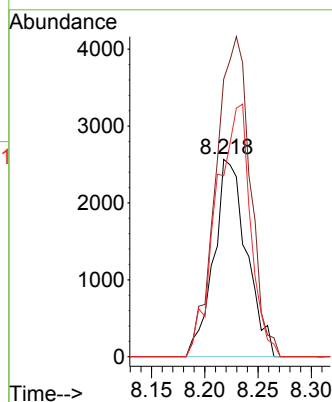
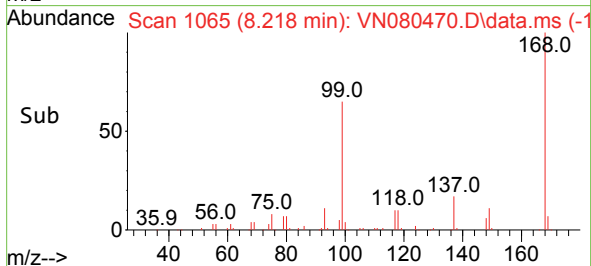


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Instrument :
MSVOA_N
ClientSampleId :

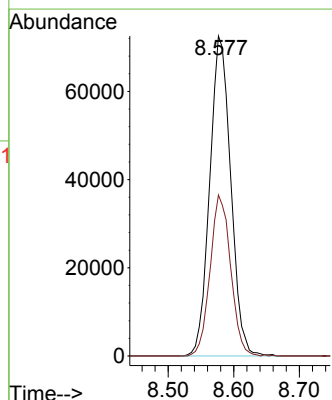
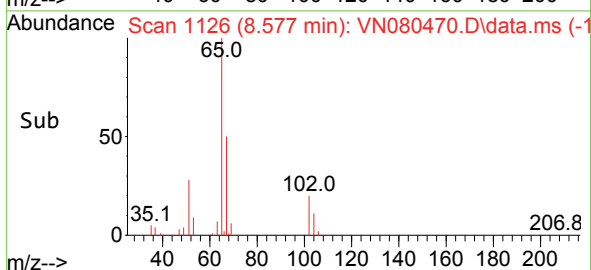
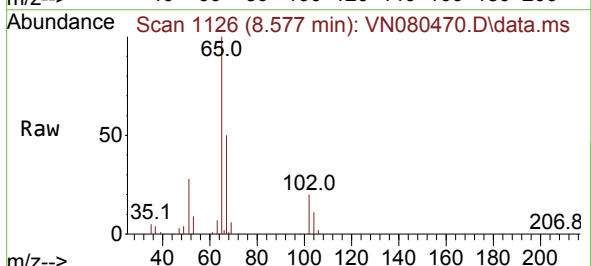


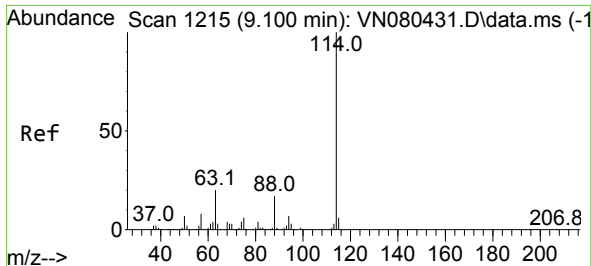
Tgt Ion: 56 Resp: 5483
Ion Ratio Lower Upper
56 100
69 140.8 26.8 40.2#
84 91.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.235 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Tgt Ion: 65 Resp: 161500
Ion Ratio Lower Upper
65 100
67 49.0 0.0 106.6

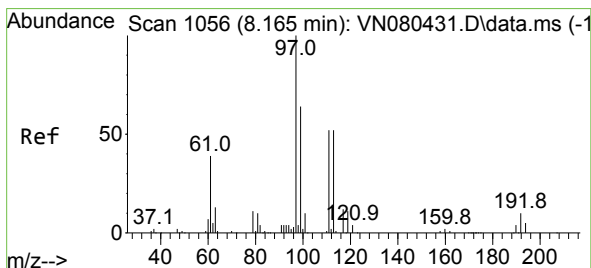
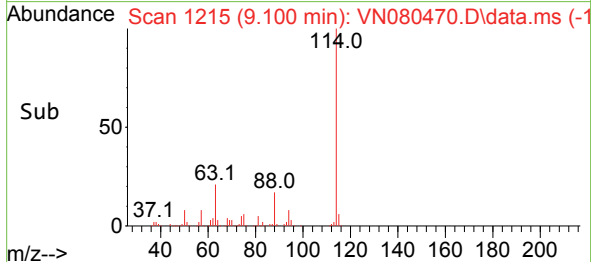
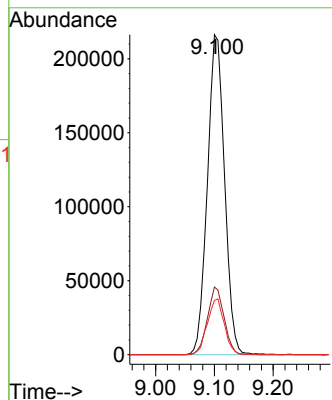
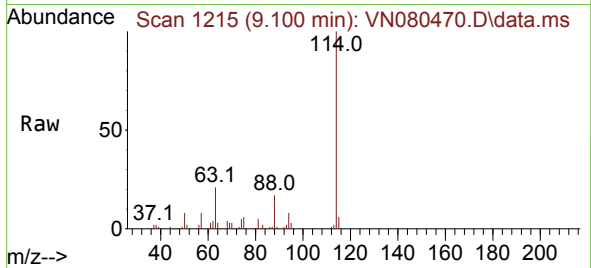




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

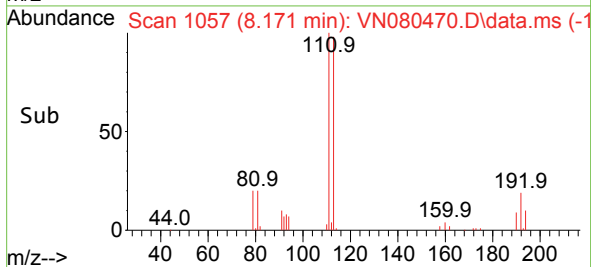
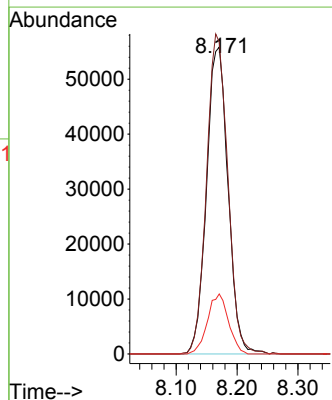
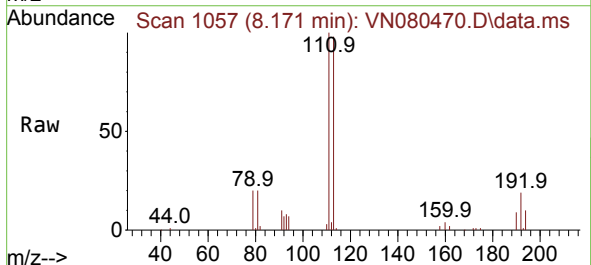
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MSVOA_N
ClientSampleId :

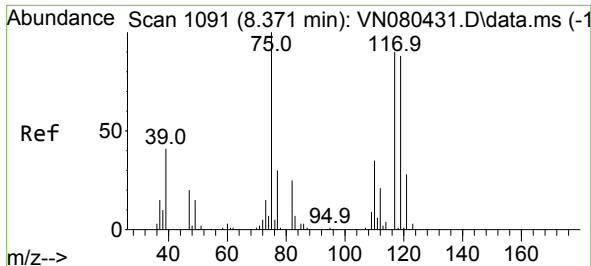
Tgt Ion:114 Resp: 440446
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.4
88 16.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Tgt Ion:113 Resp: 136857
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.1 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

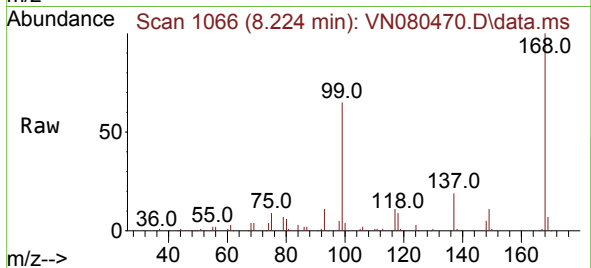
Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

Instrument :

MSVOA_N

ClientSampleId :



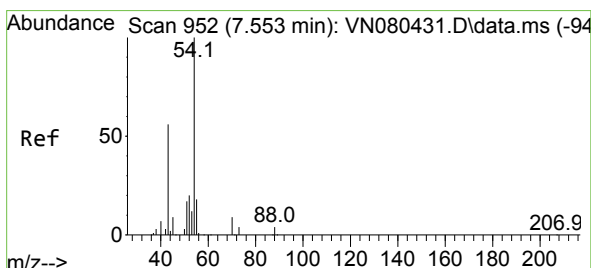
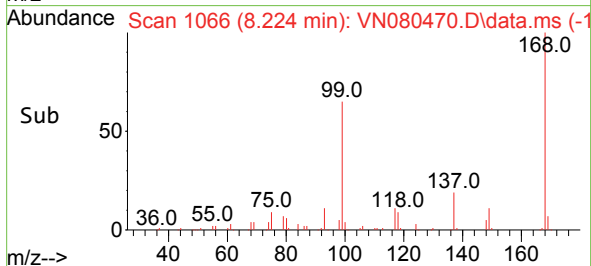
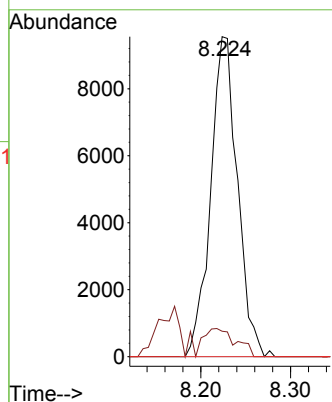
Tgt Ion: 75 Resp: 19822

Ion Ratio Lower Upper

75 100

110 10.6 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.843 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

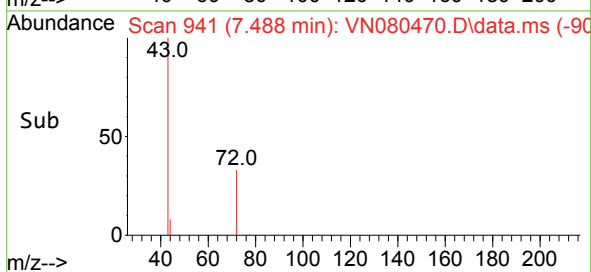
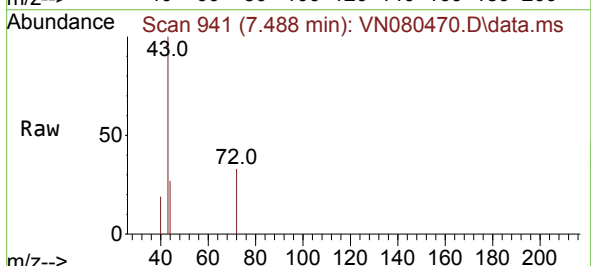
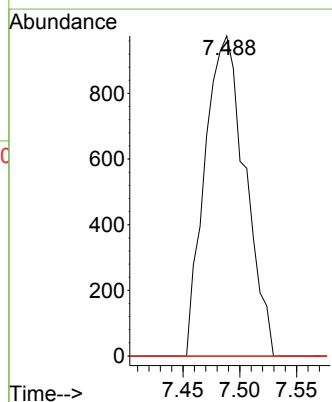
Tgt Ion: 43 Resp: 2409

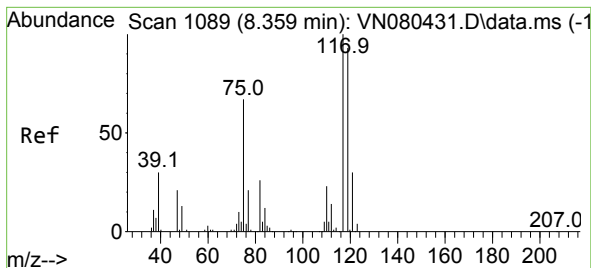
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.980 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

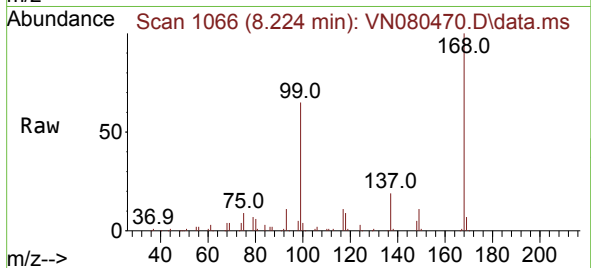
Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

Instrument :

MSVOA_N

ClientSampleId :



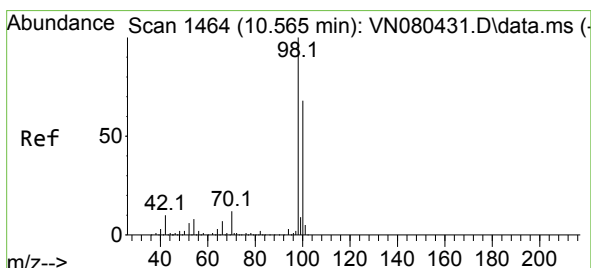
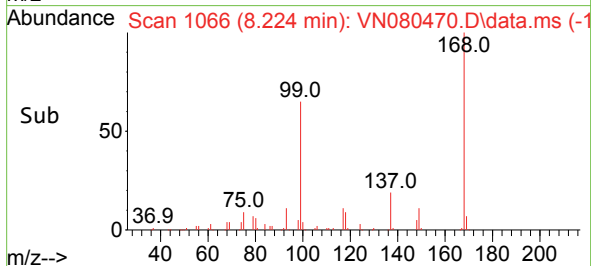
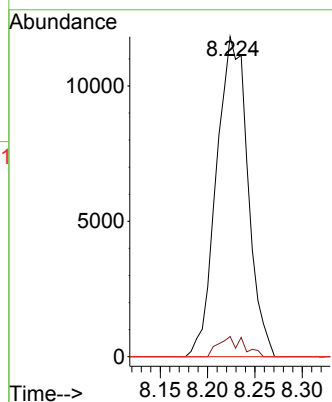
Tgt Ion:117 Resp: 27168

Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 45.757 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080470.D

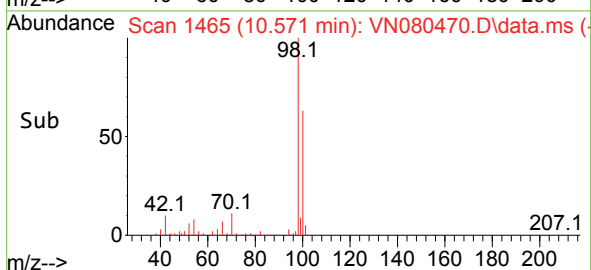
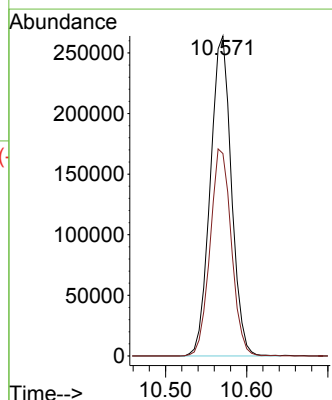
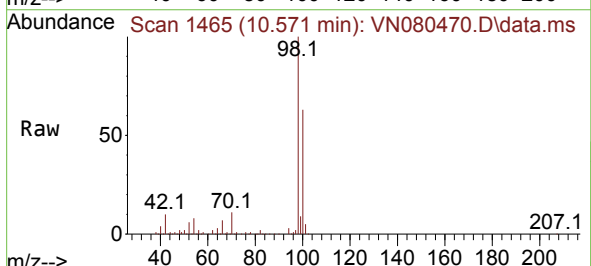
Acq: 13 Dec 2023 18:26

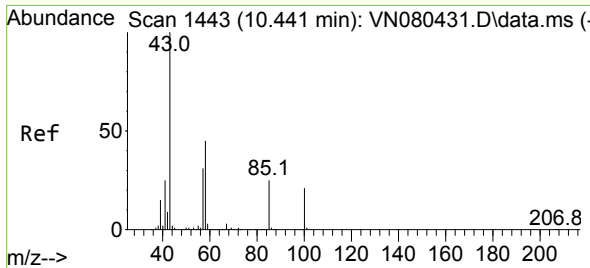
Tgt Ion: 98 Resp: 476557

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

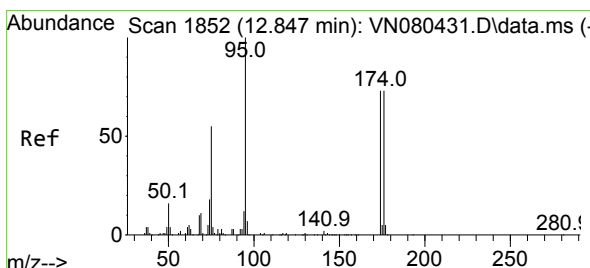
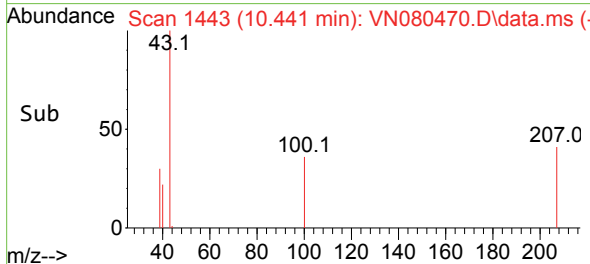
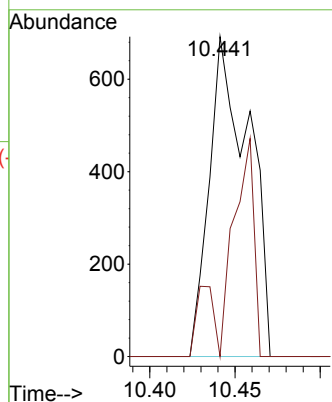
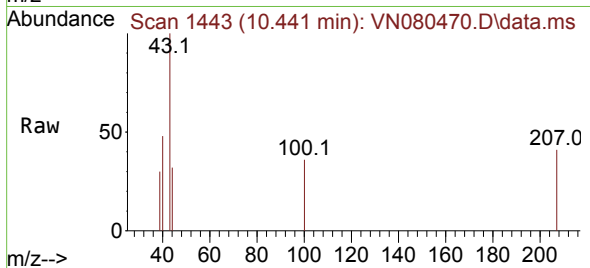




#51
4-Methyl-2-Pentanone
Concen: 0.394 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

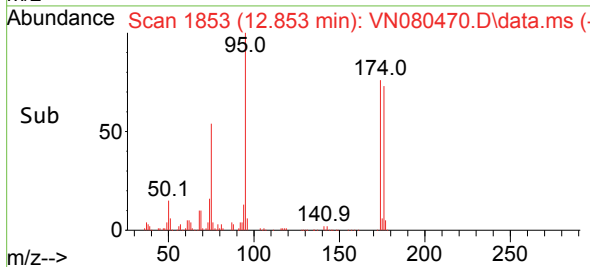
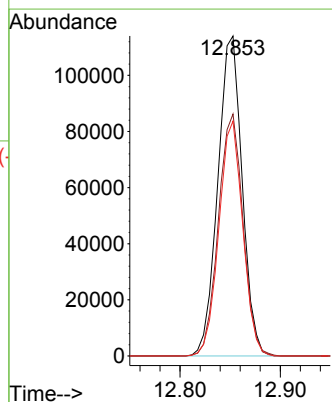
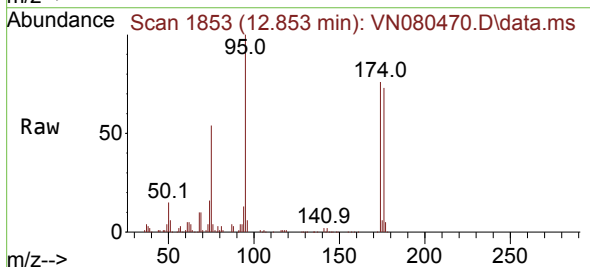
Instrument :
MSVOA_N
ClientSampleId :

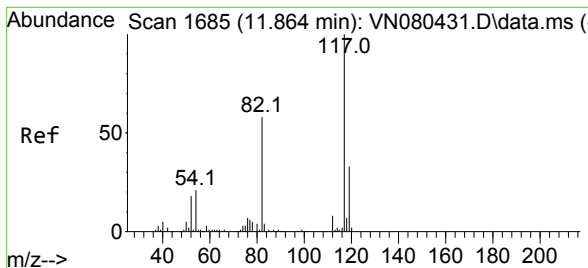
Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
58 43.9 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 48.569 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080470.D
Acq: 13 Dec 2023 18:26

Tgt Ion: 95 Resp: 192081
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 72.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

Instrument :

MSVOA_N

ClientSampleId :

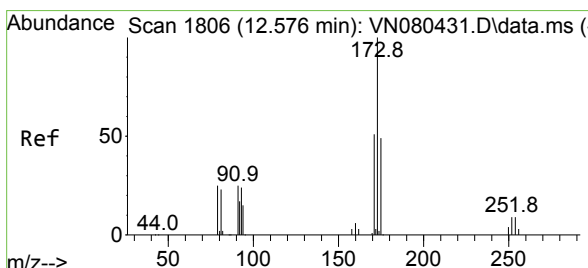
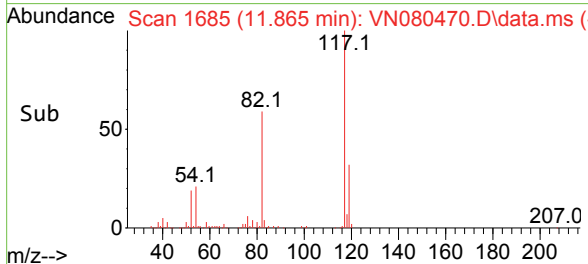
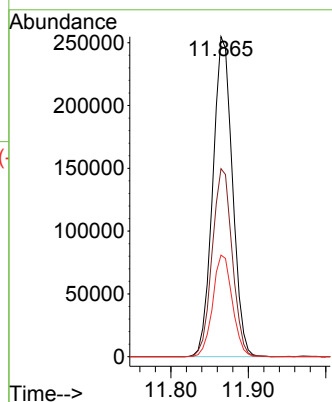
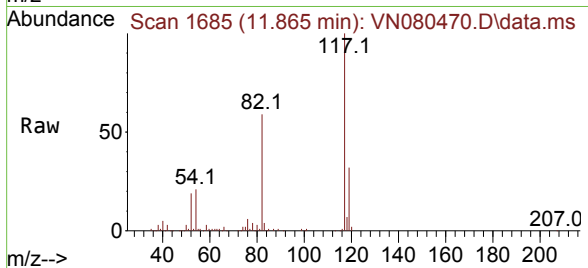
Tgt Ion:117 Resp: 448727

Ion Ratio Lower Upper

117 100

82 58.7 44.0 66.0

119 31.7 25.6 38.4



#71

Bromoform

Concen: 0.236 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

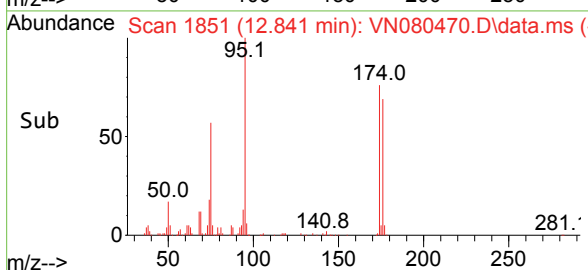
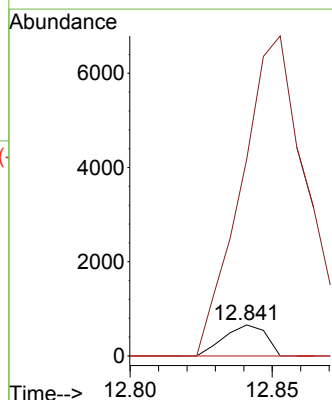
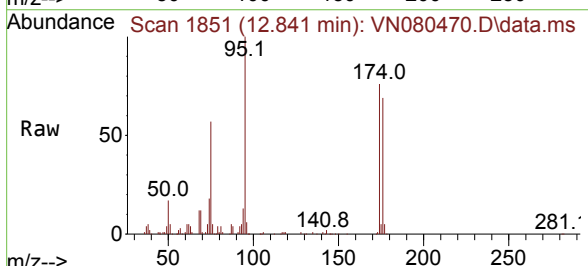
Tgt Ion:173 Resp: 675

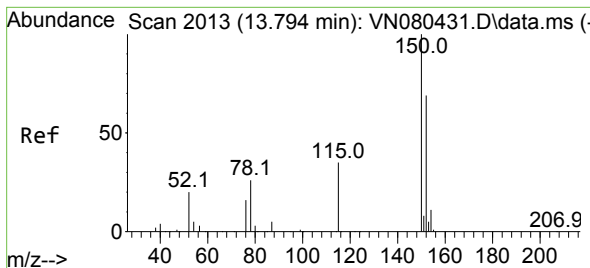
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

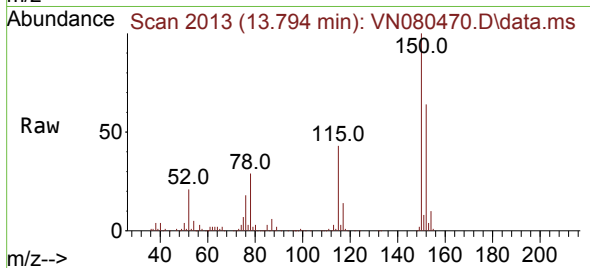
Lab File: VN080470.D

Acq: 13 Dec 2023 18:26

Instrument :

MSVOA_N

ClientSampleId :



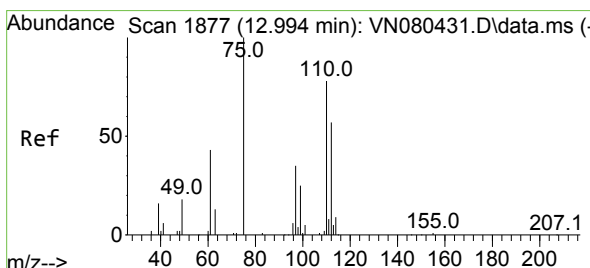
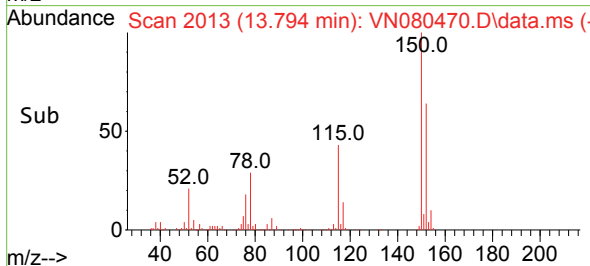
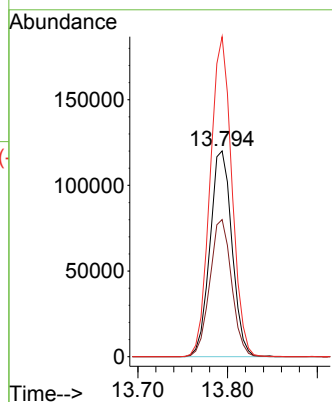
Tgt Ion:152 Resp: 204541

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 153.2 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.109 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080470.D

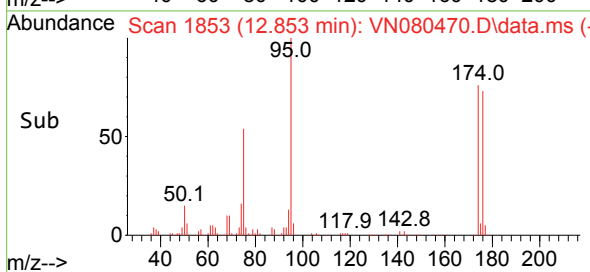
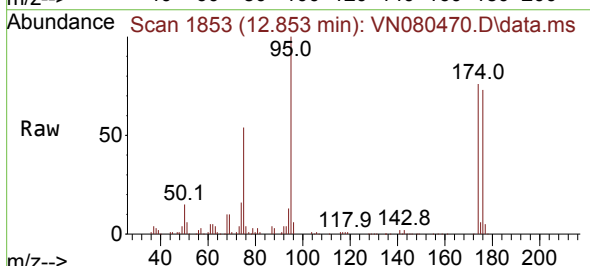
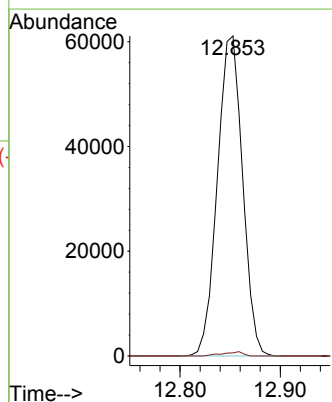
Acq: 13 Dec 2023 18:26

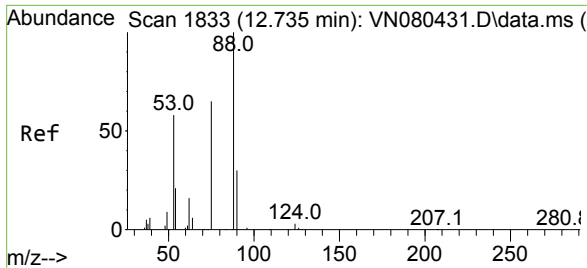
Tgt Ion: 75 Resp: 106540

Ion Ratio Lower Upper

75 100

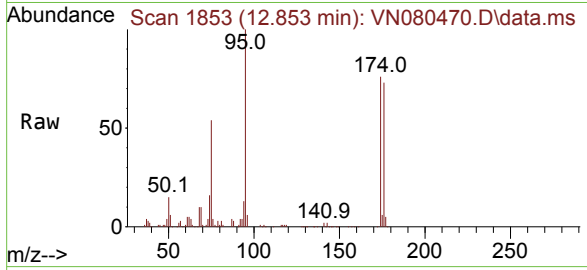
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.553 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080470.D
 Acq: 13 Dec 2023 18:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 106540
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

