

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080472.D
 Acq On : 13 Dec 2023 19:14
 Operator : JC\MD
 Sample : 05791-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

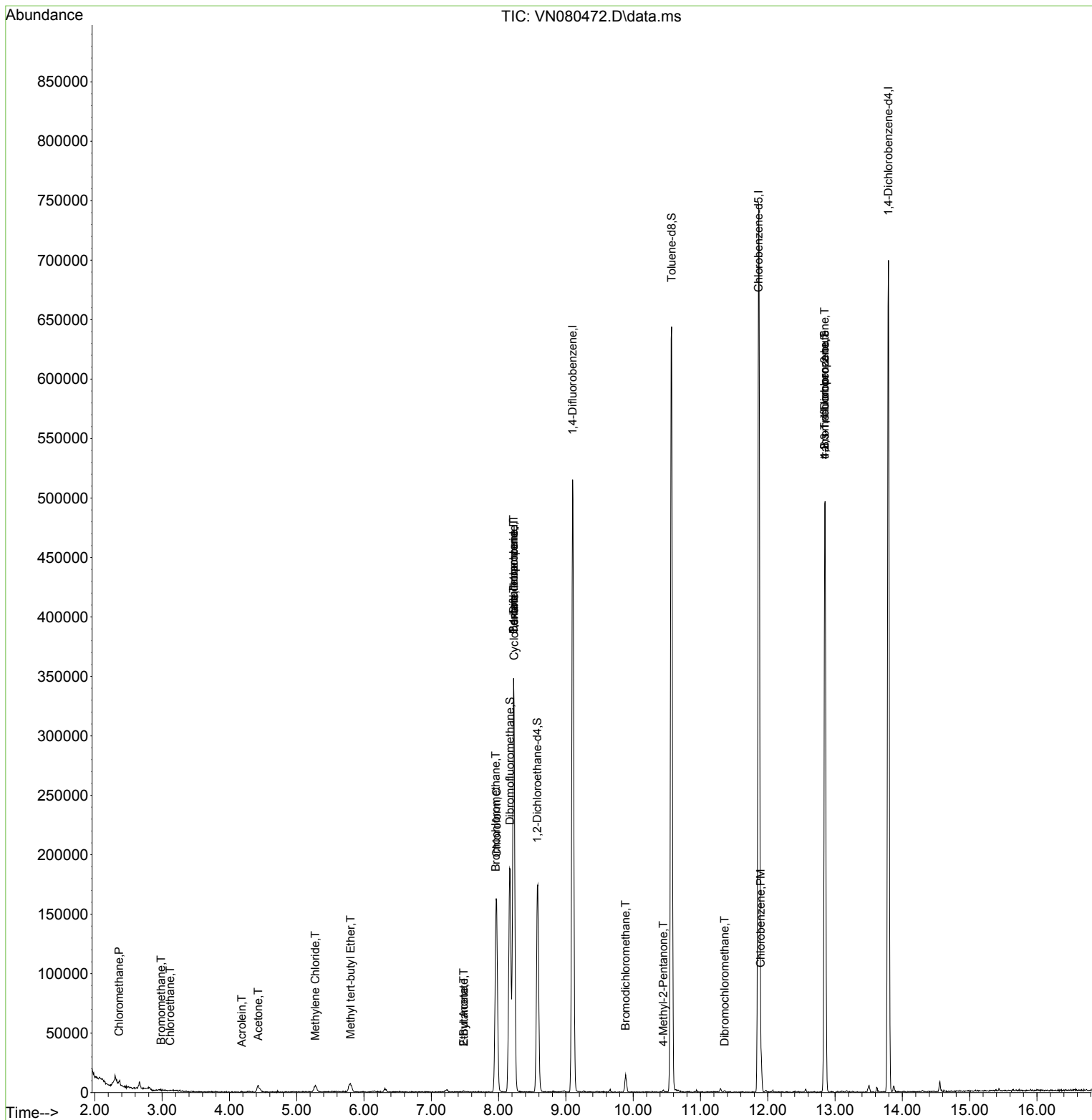
Quant Time: Dec 14 04:12:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

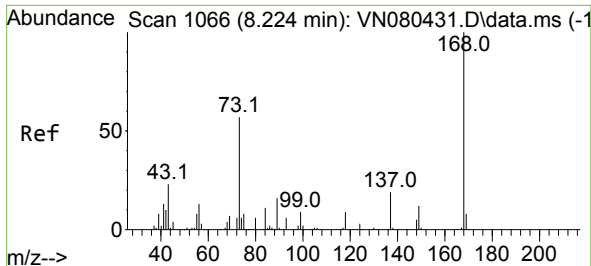
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	241424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	435649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	190354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158575	51.426	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.860%
35) Dibromofluoromethane	8.171	113	131281	47.435	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.860%
50) Toluene-d8	10.570	98	461709	44.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.847	95	182959	46.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3349	0.639	ug/l	94
5) Bromomethane	2.983	94	319	0.269	ug/l #	62
6) Chloroethane	3.118	64	542	0.320	ug/l #	43
13) Acrolein	4.183	56	164	0.412	ug/l #	58
16) Acetone	4.430	43	10823	19.795	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	12361	1.428	ug/l	92
20) Methylene Chloride	5.277	84	4732	1.617	ug/l #	90
25) 2-Butanone	7.482	43	1049	0.996	ug/l #	86
28) Bromochloromethane	7.959	49	11248	6.059	ug/l #	5
30) Chloroform	7.971	83	166644	31.048	ug/l	92
31) Cyclohexane	8.229	56	4777	1.139	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	20309	4.488	ug/l #	50
37) Ethyl Acetate	7.482	43	1049	0.370	ug/l #	63
38) Carbon Tetrachloride	8.224	117	28321	5.238	ug/l #	15
47) Bromodichloromethane	9.888	83	9883	2.092	ug/l #	92
51) 4-Methyl-2-Pentanone	10.447	43	1252	0.446	ug/l #	67
60) Dibromochloromethane	11.359	129	853	0.242	ug/l	85
65) Chlorobenzene	11.894	112	2502	0.258	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	96277	25.353	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	96277	66.566	ug/l #	15

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

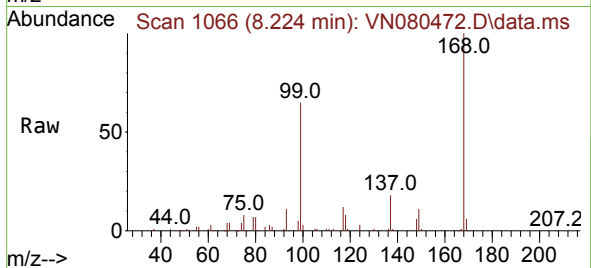
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QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



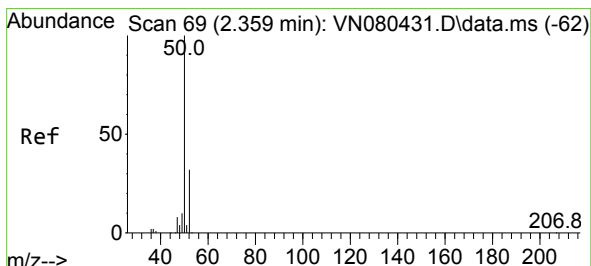
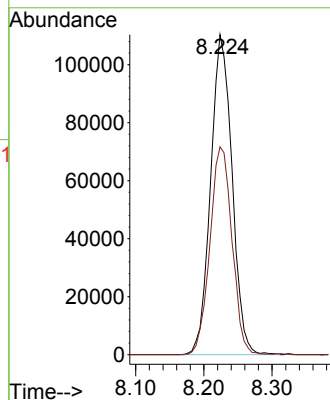
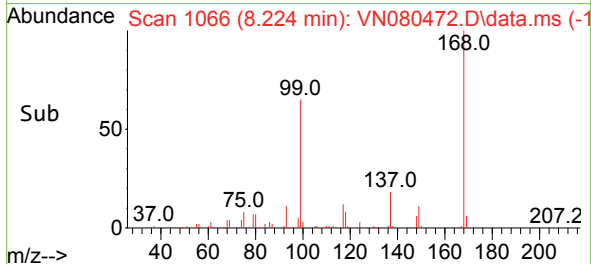


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

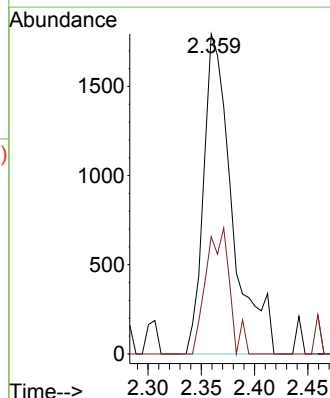
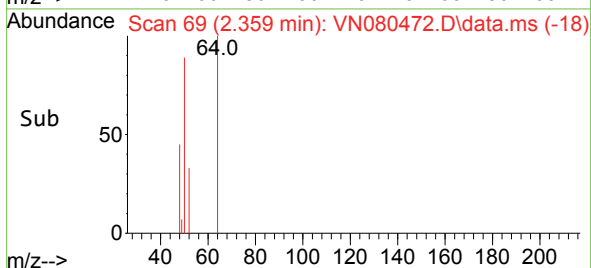
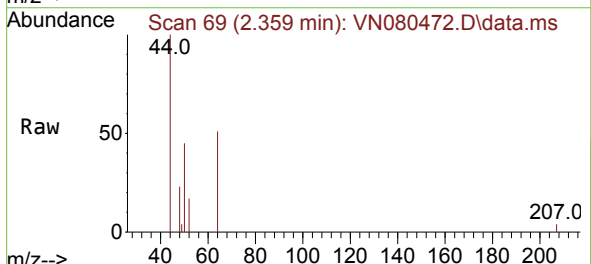


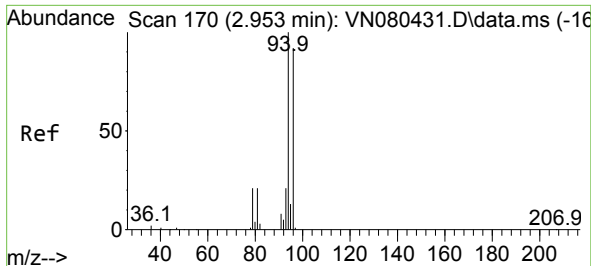
Tgt Ion:168 Resp: 241424
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#3
Chloromethane
Concen: 0.639 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 50 Resp: 3349
Ion Ratio Lower Upper
50 100
52 36.6 26.5 39.7

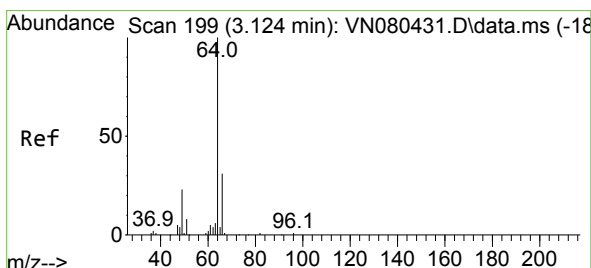
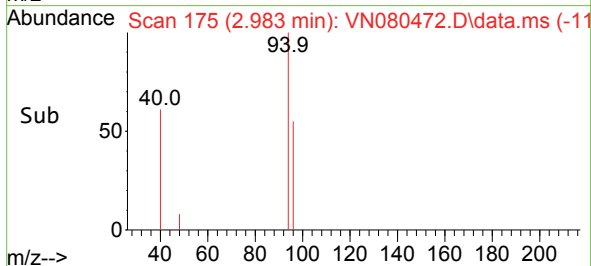
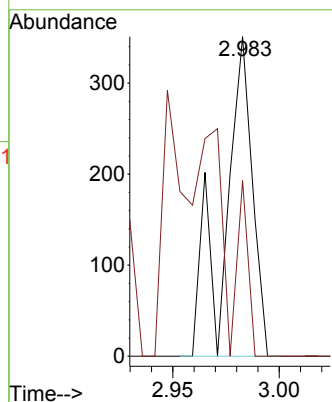
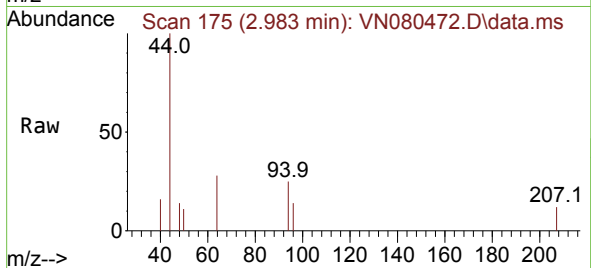




#5
Bromomethane
Concen: 0.269 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

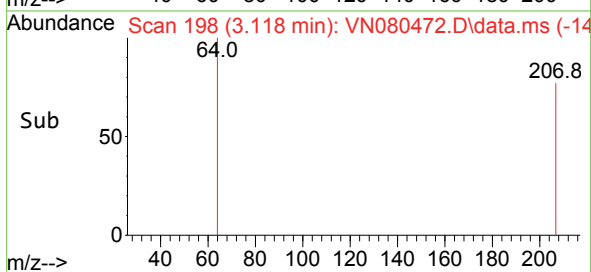
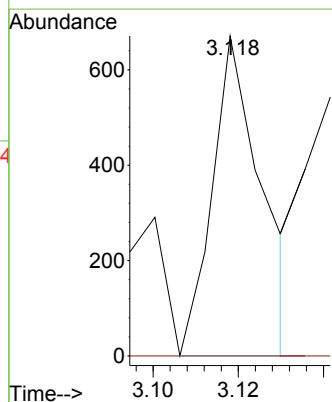
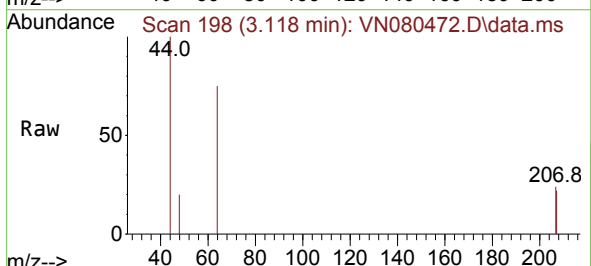
Instrument :
MSVOA_N
ClientSampleId :

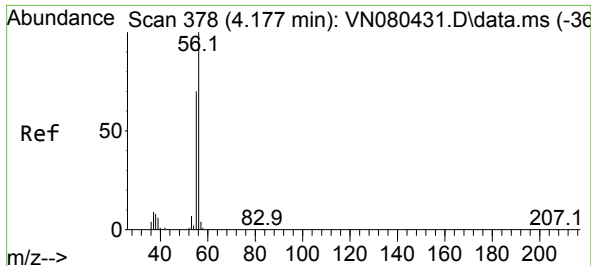
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 55.0 73.1 109.7#



#6
Chloroethane
Concen: 0.320 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

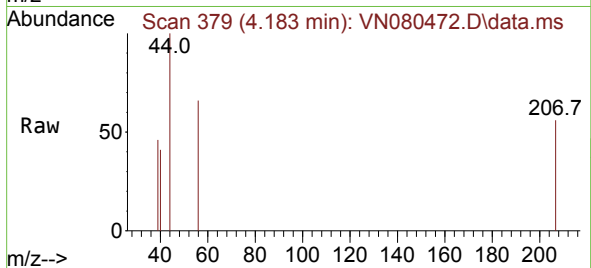
Tgt Ion: 64 Resp: 542
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



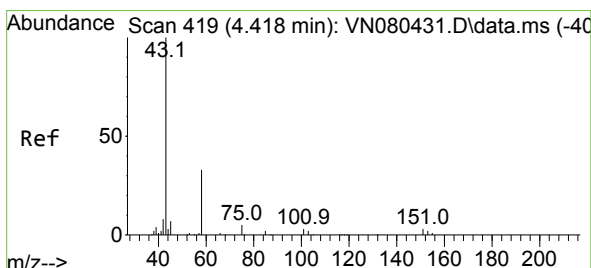
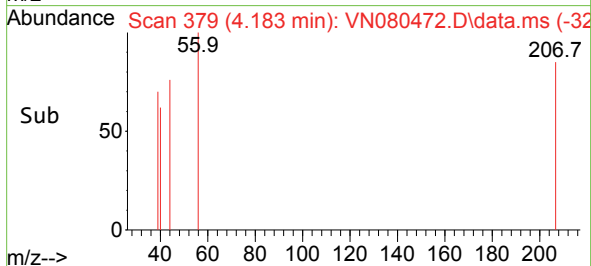
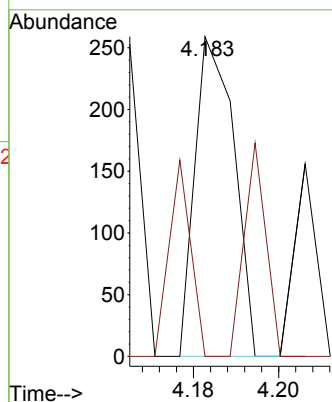


#13
Acrolein
Concen: 0.412 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

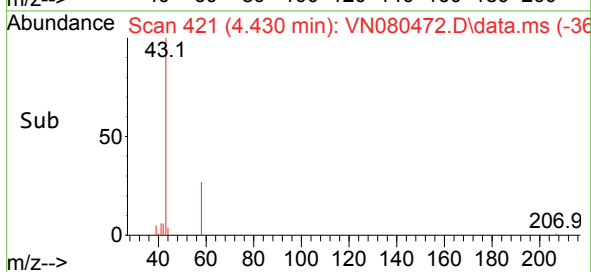
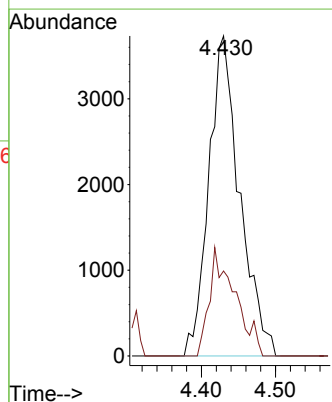
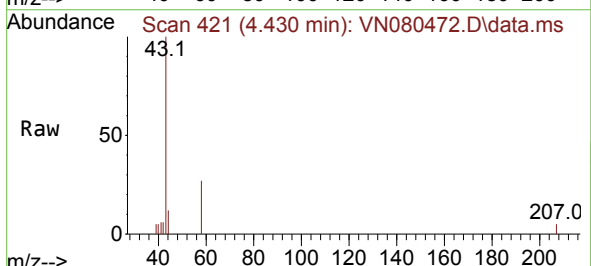


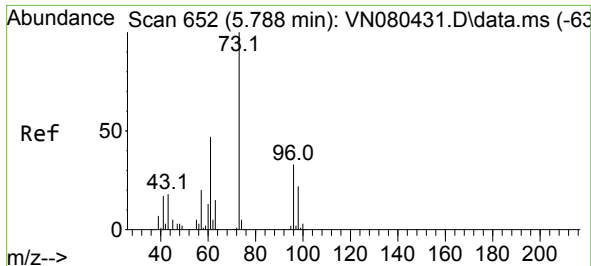
Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 34.1 54.5 81.7#



#16
Acetone
Concen: 19.795 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 43 Resp: 10823
Ion Ratio Lower Upper
43 100
58 26.5 28.0 42.0#

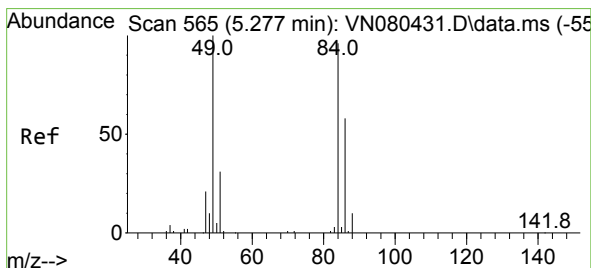
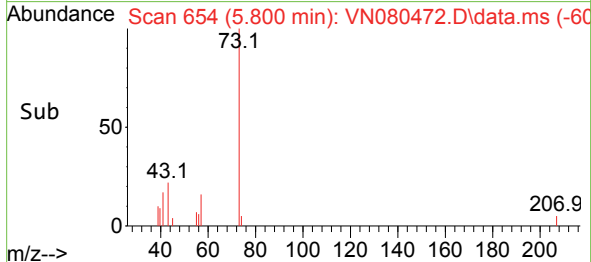
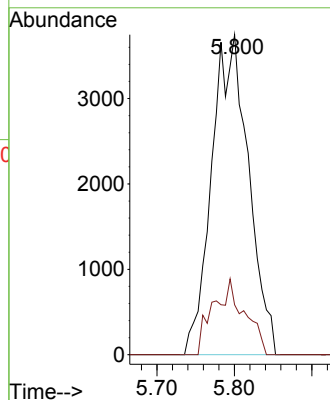
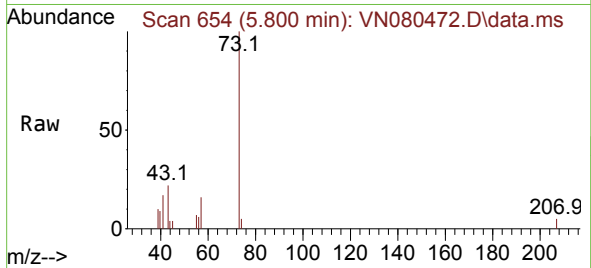




#19
Methyl tert-butyl Ether
Concen: 1.428 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

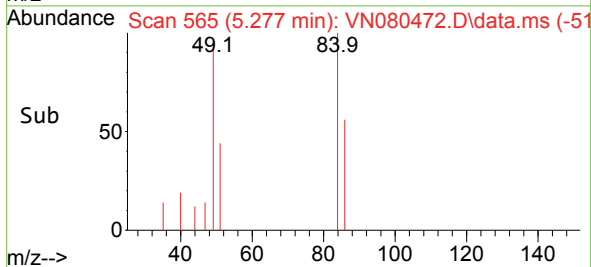
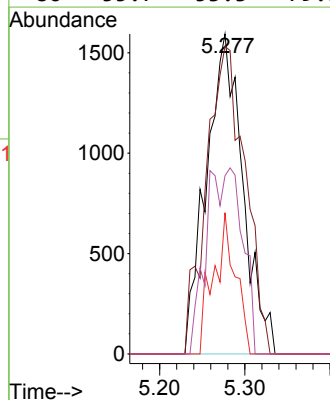
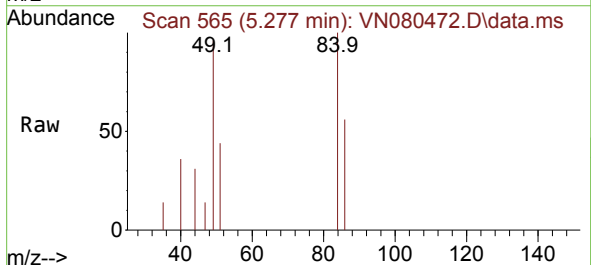
Instrument :
MSVOA_N
ClientSampleId :

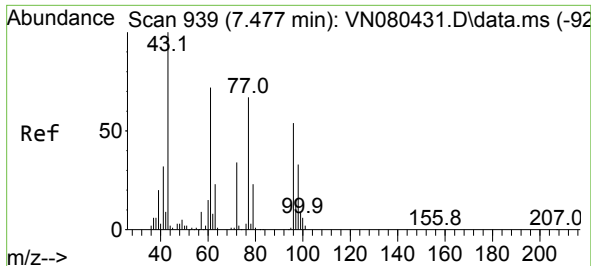
Tgt Ion: 73 Resp: 12361
Ion Ratio Lower Upper
73 100
57 15.6 15.6 23.4



#20
Methylene Chloride
Concen: 1.617 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

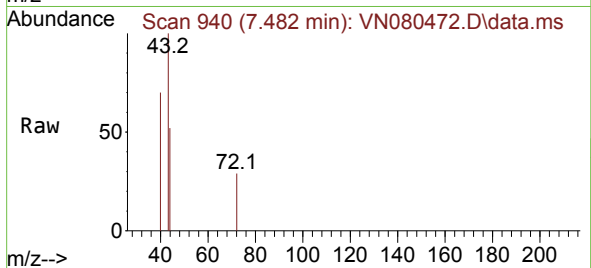
Tgt Ion: 84 Resp: 4732
Ion Ratio Lower Upper
84 100
49 96.1 79.7 119.5
51 44.2 25.2 37.8#
86 55.7 53.3 79.9



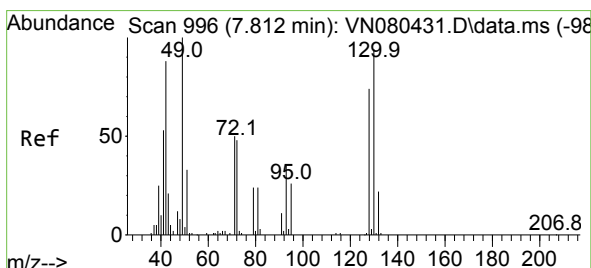
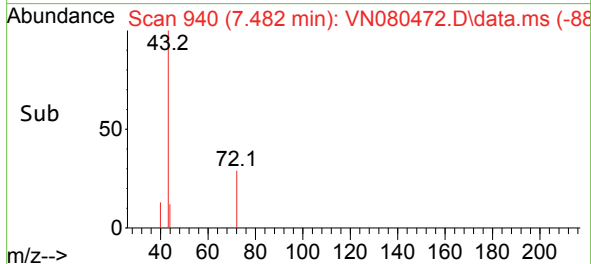
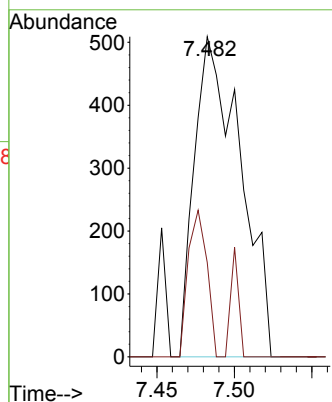


#25
2-Butanone
Concen: 0.996 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

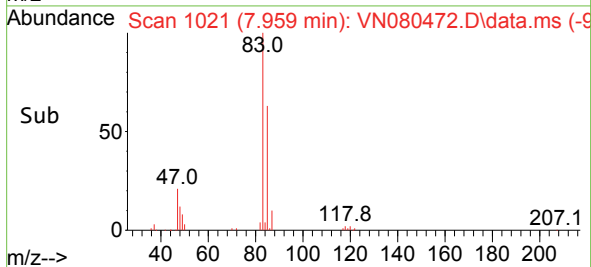
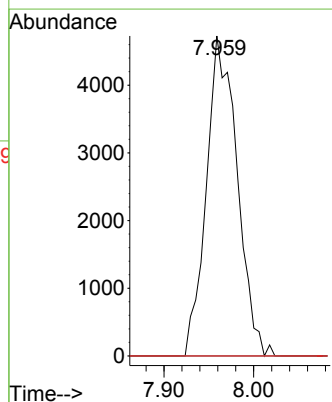
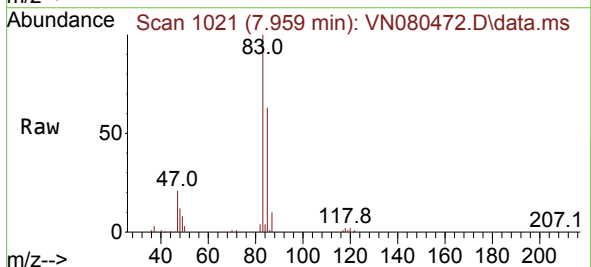


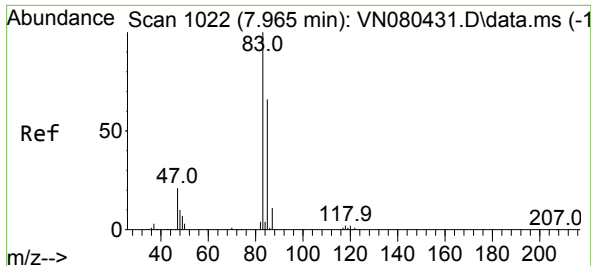
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
72 29.5 30.2 45.2#



#28
Bromochloromethane
Concen: 6.059 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.147 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 49 Resp: 11248
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#

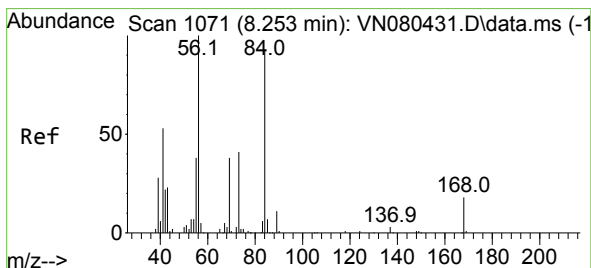
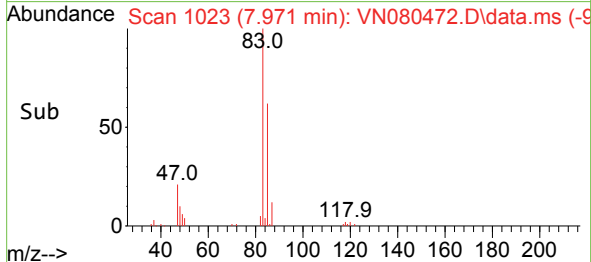
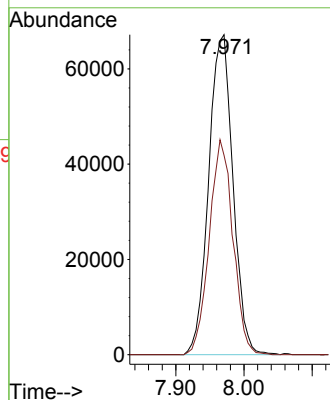
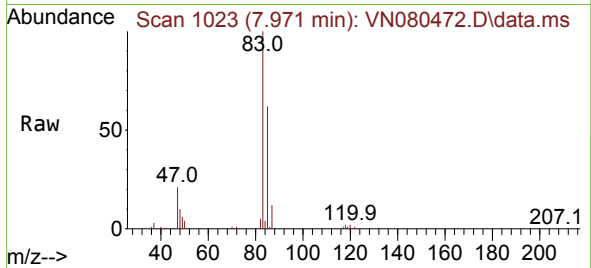




#30
Chloroform
Concen: 31.048 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

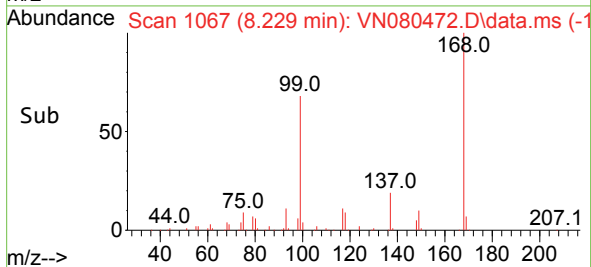
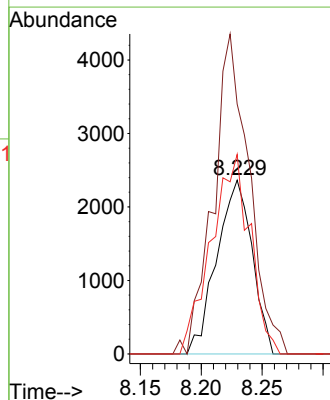
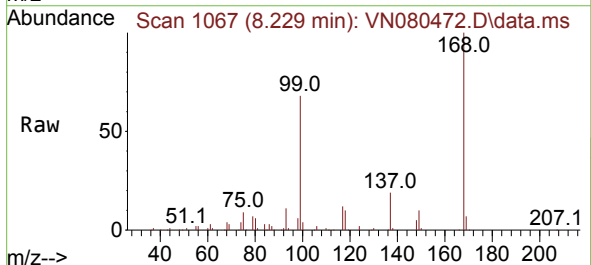
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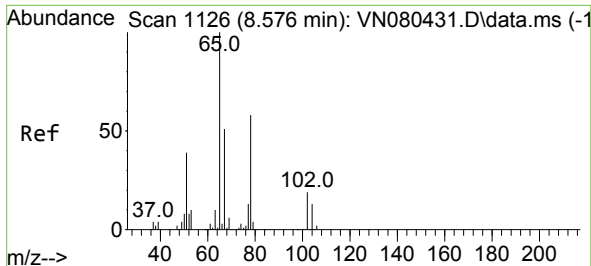
Tgt Ion: 83 Resp: 166644
Ion Ratio Lower Upper
83 100
85 62.3 55.4 83.0



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 56 Resp: 4777
Ion Ratio Lower Upper
56 100
69 135.9 26.8 40.2#
84 114.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.426 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080472.D

Acq: 13 Dec 2023 19:14

Instrument :

MSVOA_N

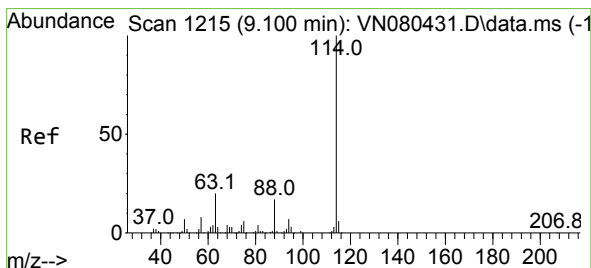
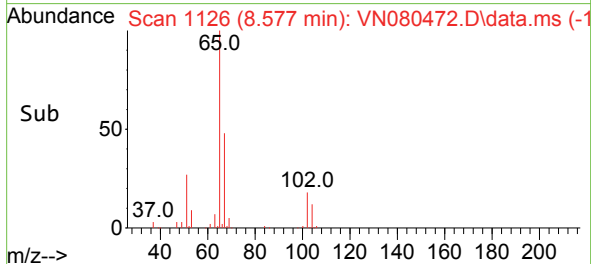
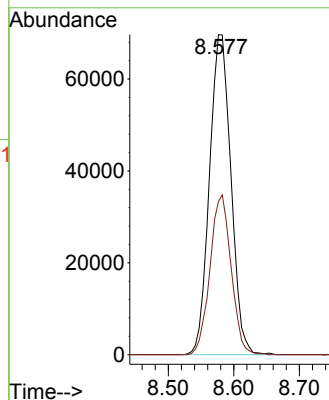
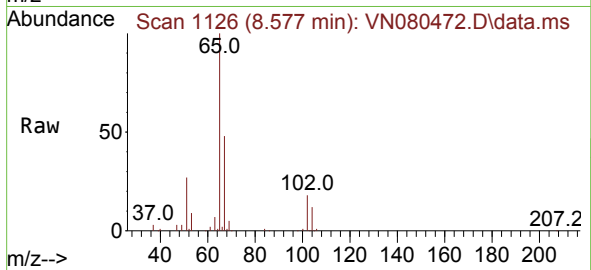
ClientSampleId :

Tgt Ion: 65 Resp: 158575

Ion Ratio Lower Upper

65 100

67 49.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080472.D

Acq: 13 Dec 2023 19:14

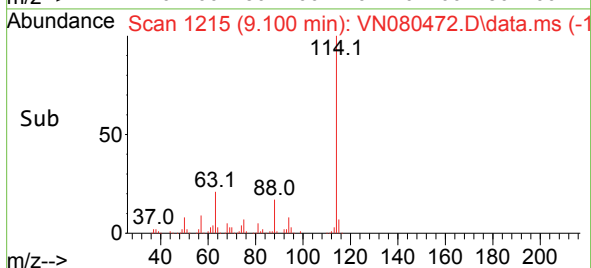
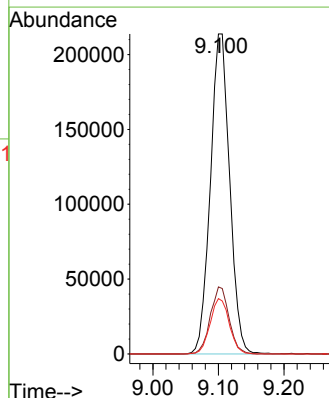
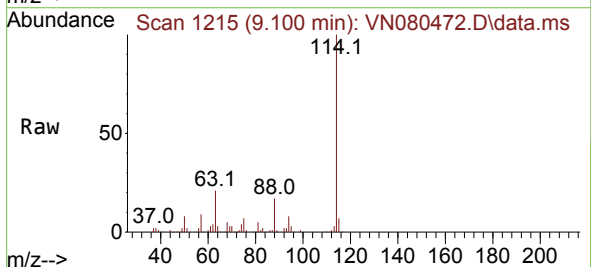
Tgt Ion: 114 Resp: 436504

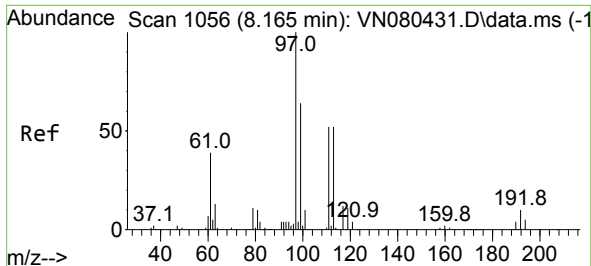
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 17.3 0.0 30.6

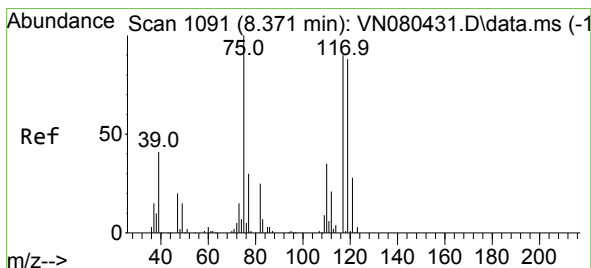
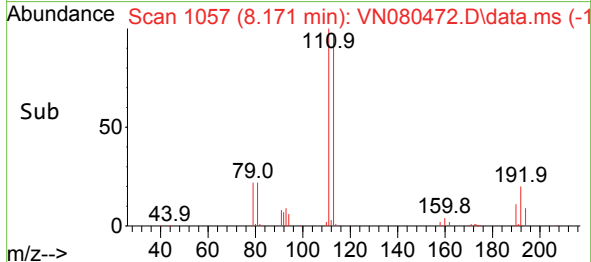
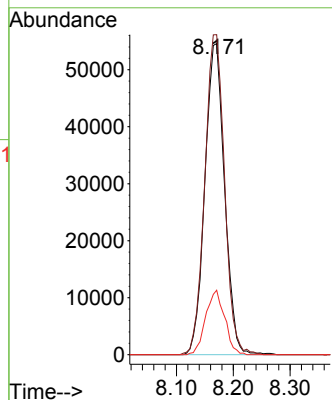
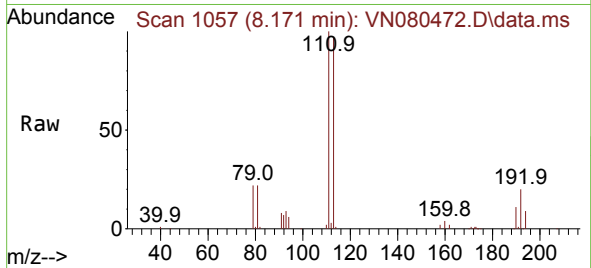




#35
Dibromofluoromethane
Concen: 47.435 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

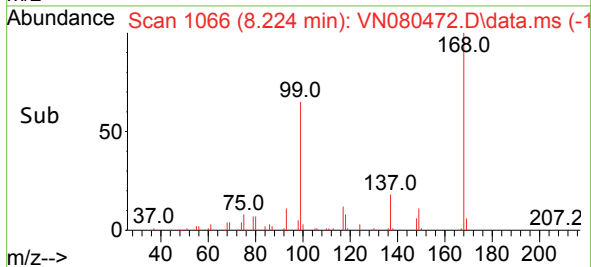
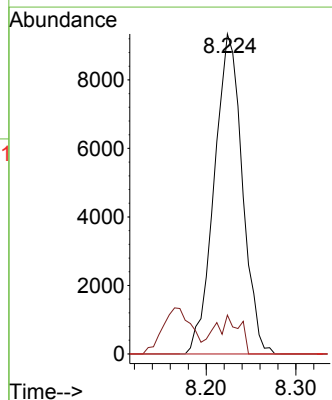
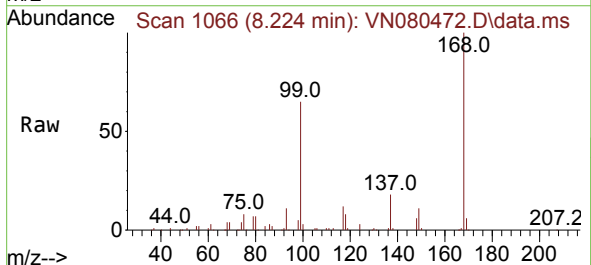
Instrument :
MSVOA_N
ClientSampleId :

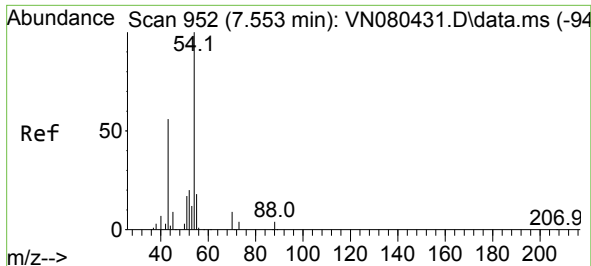
Tgt Ion:113 Resp: 131281
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 20.0 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

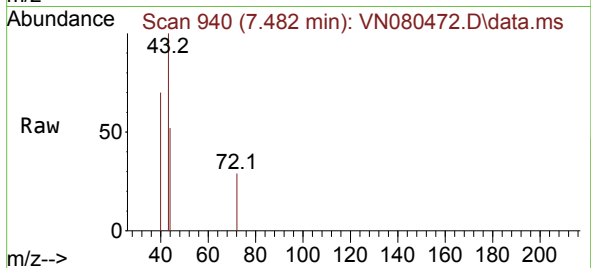
Tgt Ion: 75 Resp: 20309
Ion Ratio Lower Upper
75 100
110 10.8 19.1 57.3#
77 0.0 25.0 37.4#



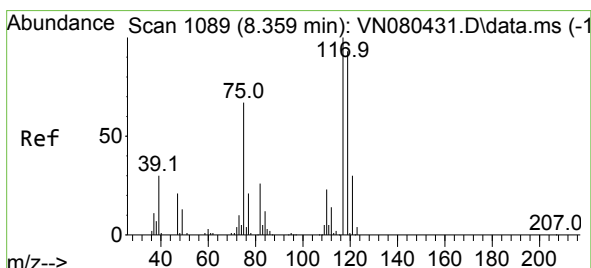
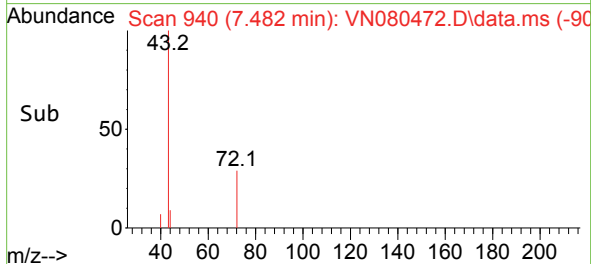
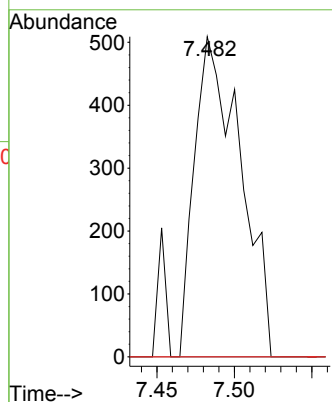


#37
Ethyl Acetate
Concen: 0.370 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

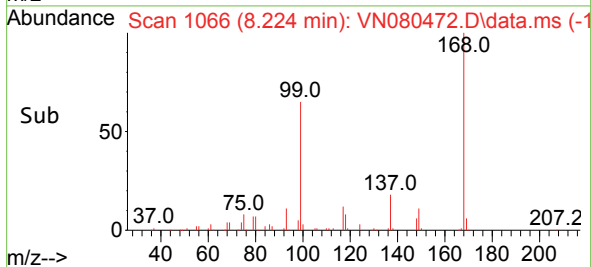
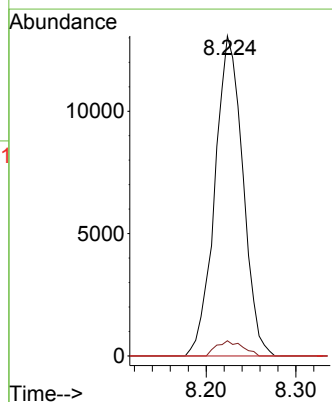
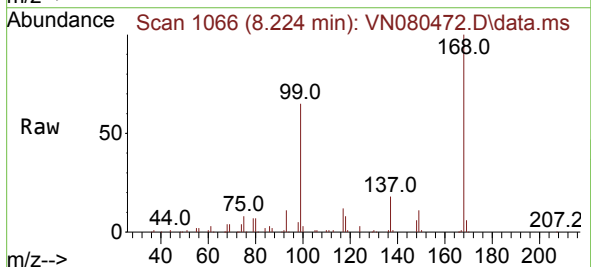


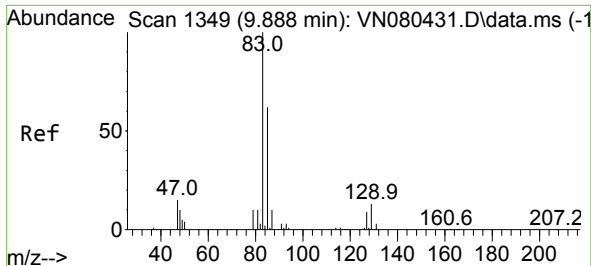
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

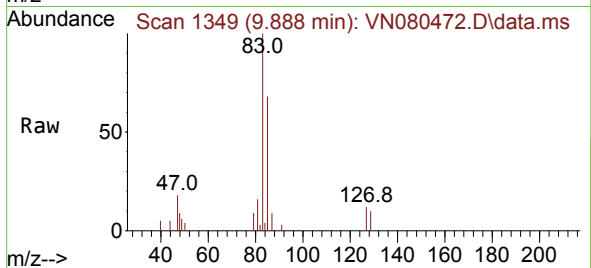
Tgt Ion: 117 Resp: 28321
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



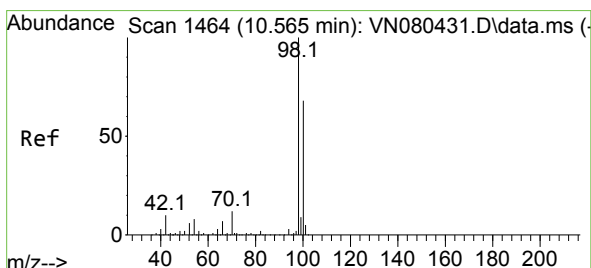
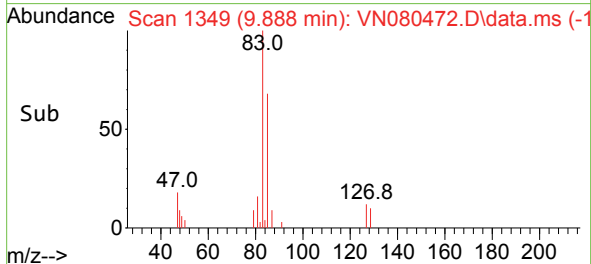
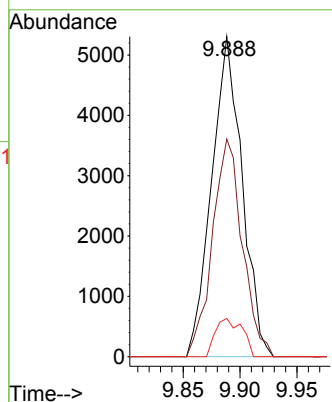


#47
Bromodichloromethane
Concen: 2.092 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

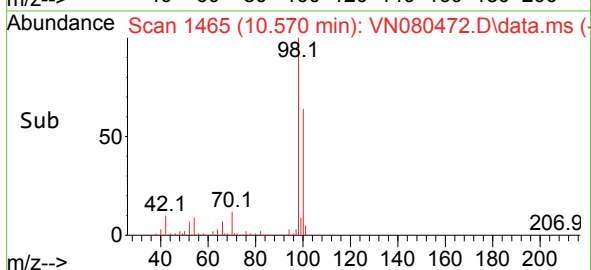
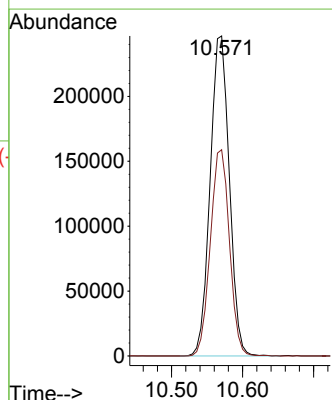
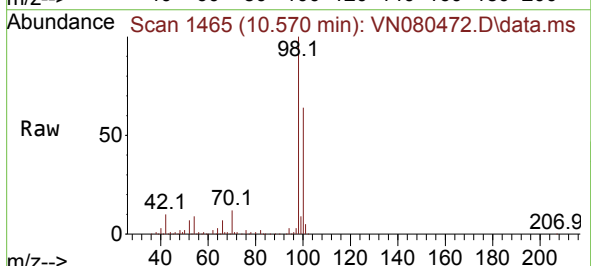


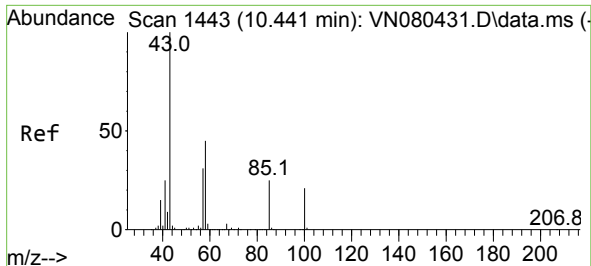
Tgt Ion: 83 Resp: 9883
Ion Ratio Lower Upper
83 100
85 68.0 49.6 74.4
127 11.9 7.0 10.6#



#50
Toluene-d8
Concen: 44.732 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 98 Resp: 461709
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.446 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

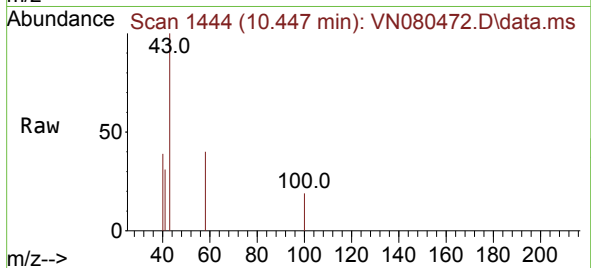
Lab File: VN080472.D

Acq: 13 Dec 2023 19:14

Instrument :

MSVOA_N

ClientSampleId :

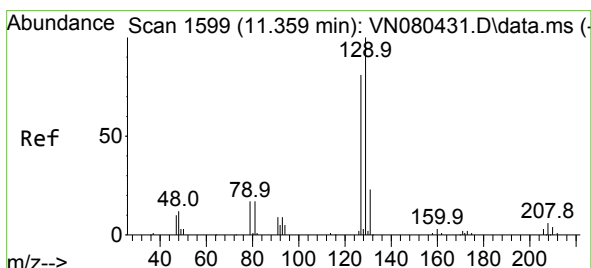
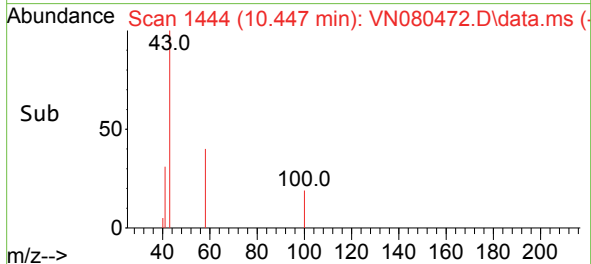
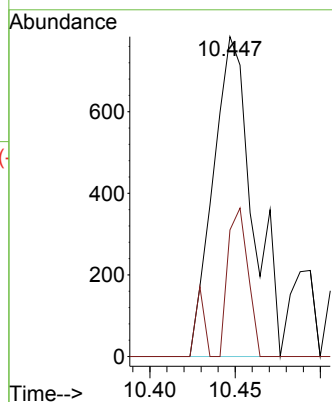


Tgt Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

58 23.9 36.6 54.8#



#60

Dibromochloromethane

Concen: 0.242 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN080472.D

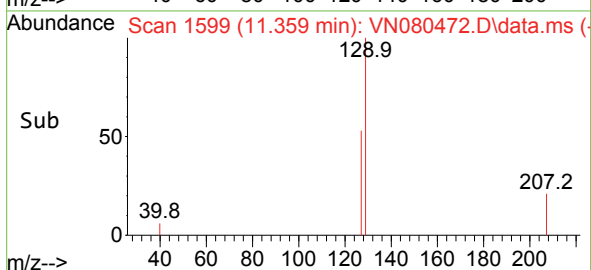
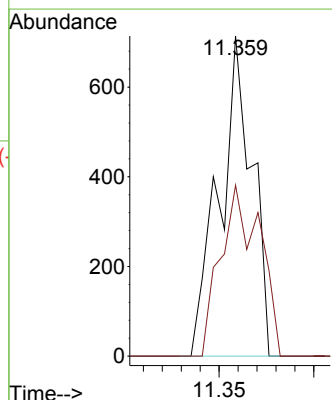
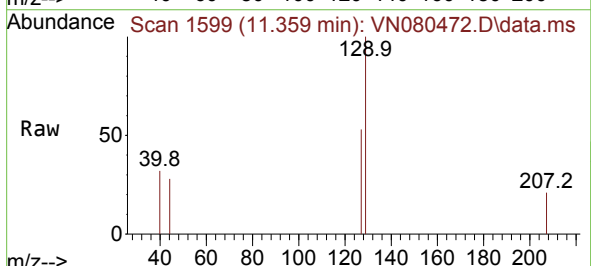
Acq: 13 Dec 2023 19:14

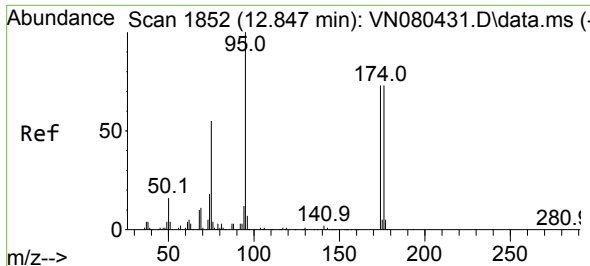
Tgt Ion: 129 Resp: 853

Ion Ratio Lower Upper

129 100

127 64.4 38.6 116.0

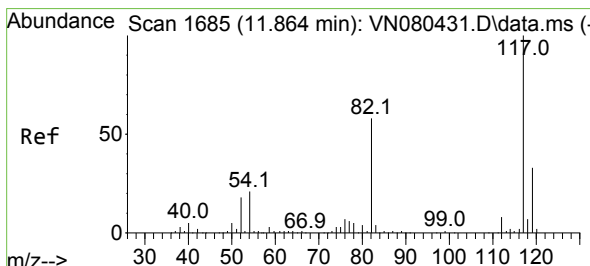
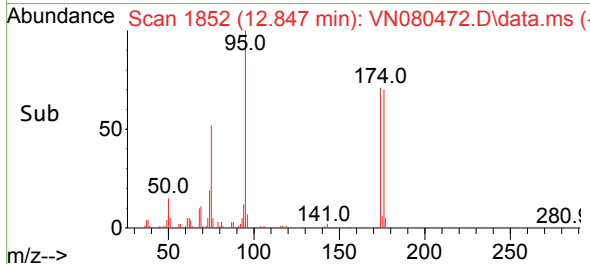
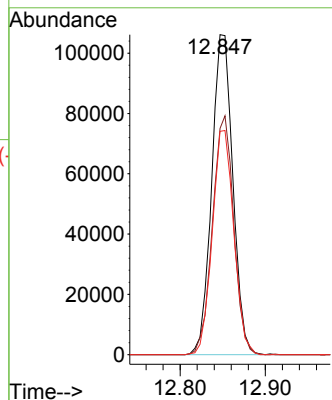
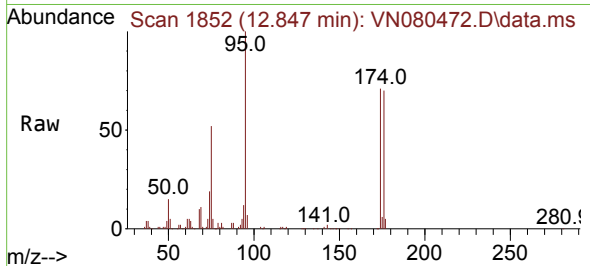




#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

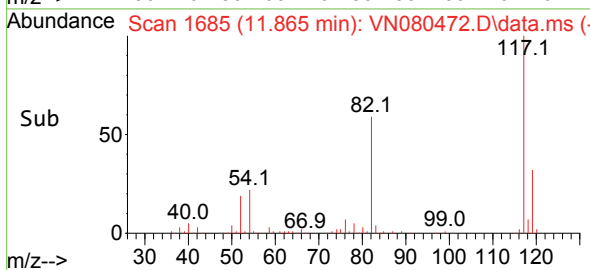
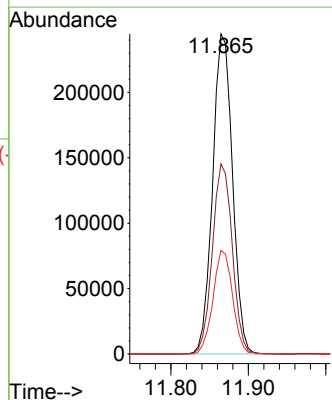
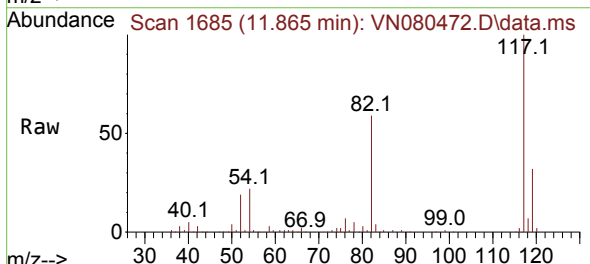
Instrument :
MSVOA_N
ClientSampleId :

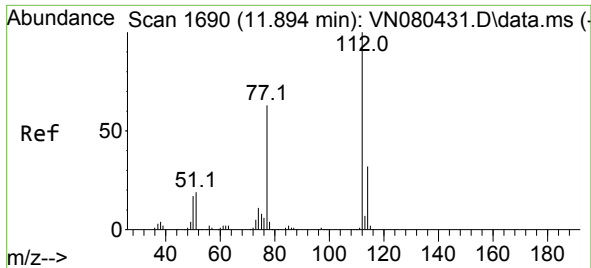
Tgt Ion: 95 Resp: 182959
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 117 Resp: 435649
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 32.3 25.6 38.4

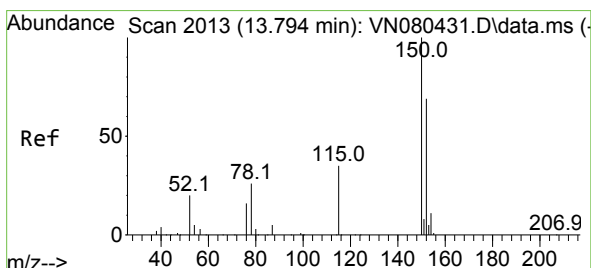
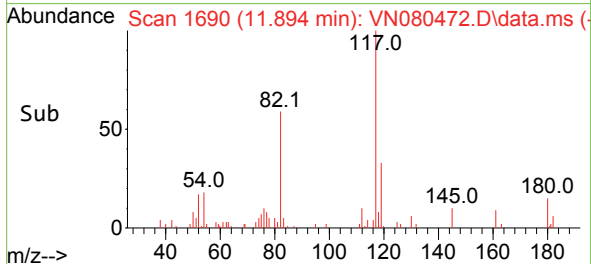
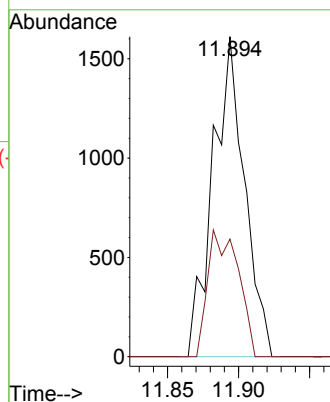
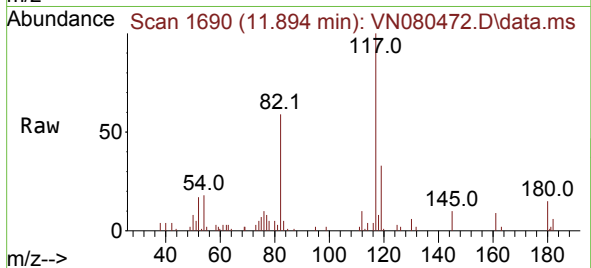




#65
Chlorobenzene
Concen: 0.258 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

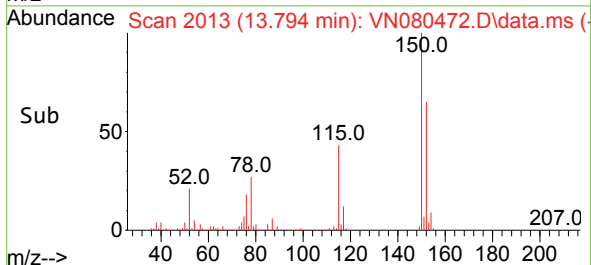
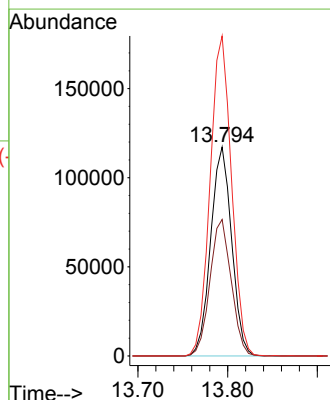
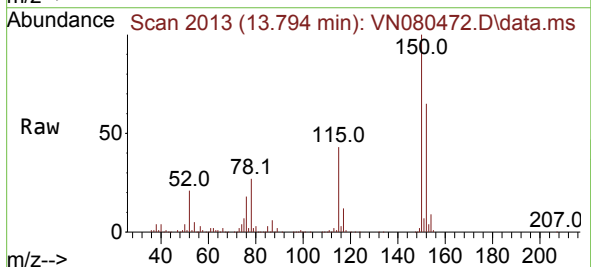
Instrument :
MSVOA_N
ClientSampleId :

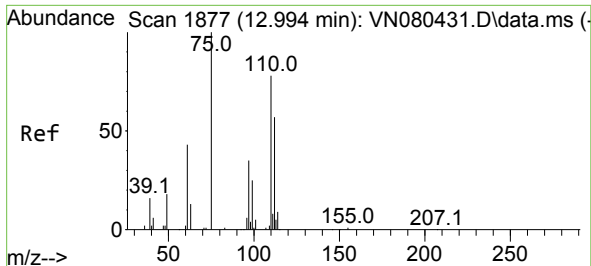
Tgt Ion:112 Resp: 2502
Ion Ratio Lower Upper
112 100
114 36.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion:152 Resp: 190354
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 155.9 0.0 355.8

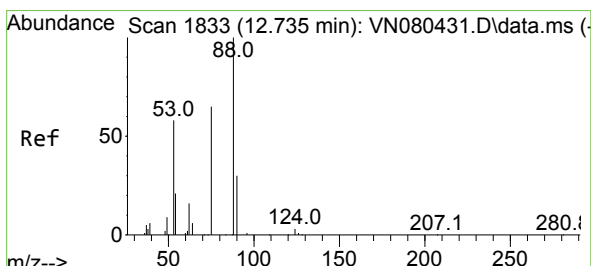
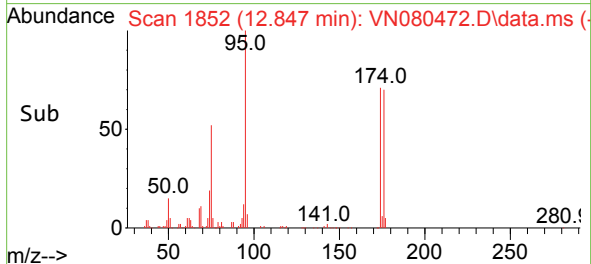
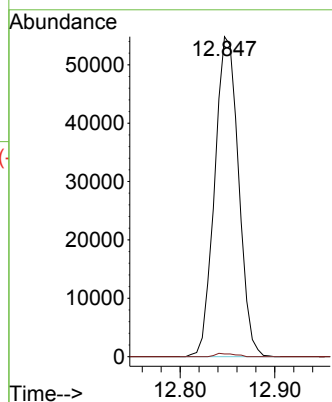
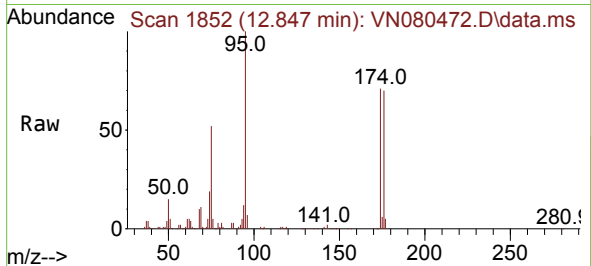




#76
1,2,3-Trichloropropane
Concen: 25.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 96277
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080472.D
Acq: 13 Dec 2023 19:14

Tgt Ion: 75 Resp: 96277
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

