

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080465.D
 Acq On : 13 Dec 2023 16:28
 Operator : JC\MD
 Sample : 05670-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:09:09 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	271006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	485122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	489909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	217043	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	167436	48.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.740%
35) Dibromofluoromethane	8.165	113	141768	46.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.180%
50) Toluene-d8	10.565	98	504732	43.999	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.000%
62) 4-Bromofluorobenzene	12.853	95	202548	46.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.000%

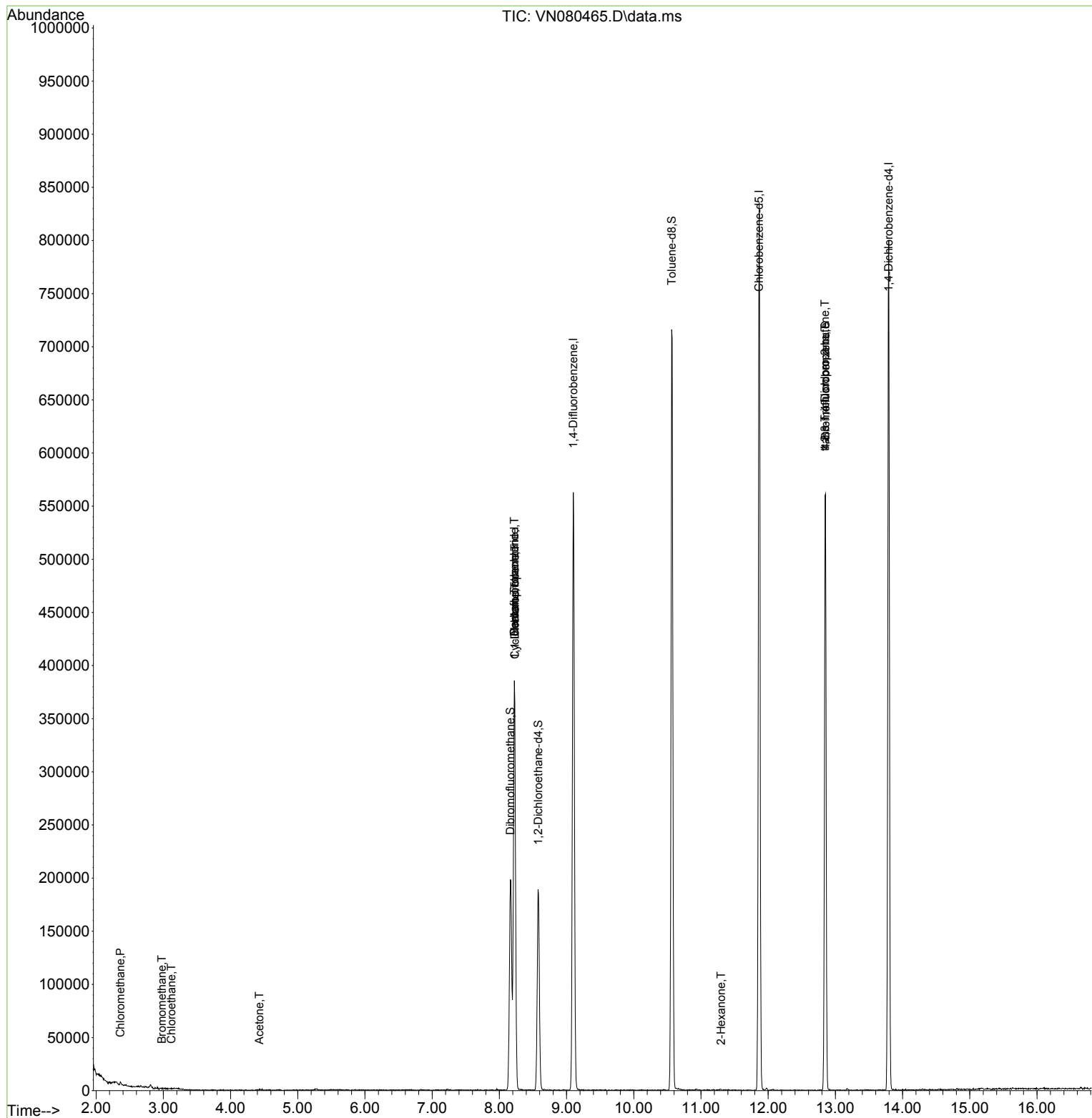
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	3773	0.643	ug/l #	78
5) Bromomethane	2.977	94	285	0.214	ug/l	98
6) Chloroethane	3.118	64	2013	1.059	ug/l #	43
16) Acetone	4.430	43	1680	2.737	ug/l	100
31) Cyclohexane	8.229	56	5054	1.074	ug/l #	20
36) 1,1-Dichloropropene	8.229	75	22447	4.463	ug/l #	50
38) Carbon Tetrachloride	8.224	117	29896	4.975	ug/l #	15
59) 2-Hexanone	11.300	43	860	0.374	ug/l #	19
76) 1,2,3-Trichloropropane	12.847	75	108789	25.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108789	65.968	ug/l #	15

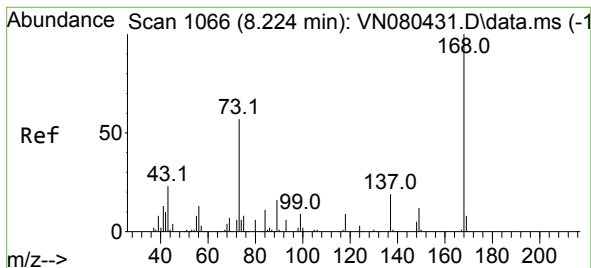
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080465.D

Acq: 13 Dec 2023 16:28

Instrument :

MSVOA_N

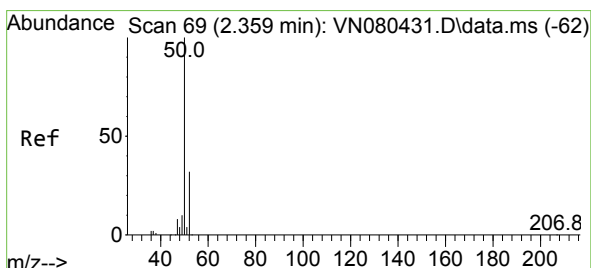
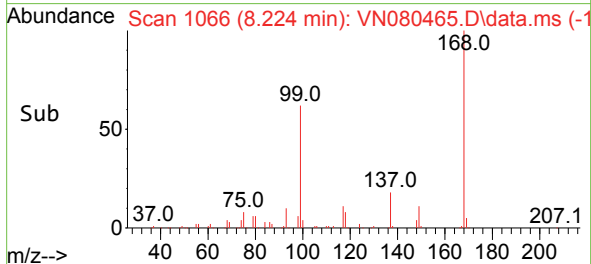
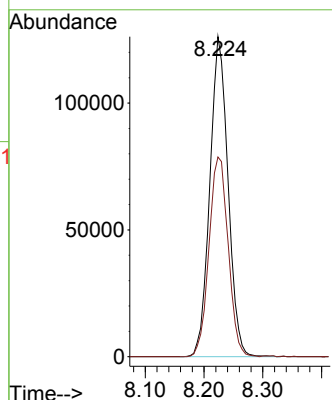
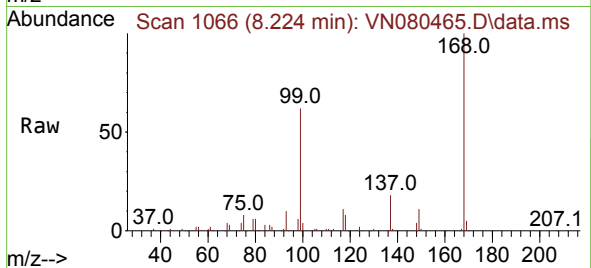
ClientSampleId :

Tgt Ion:168 Resp: 271006

Ion Ratio Lower Upper

168 100

99 62.4 53.0 79.6



#3

Chloromethane

Concen: 0.643 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080465.D

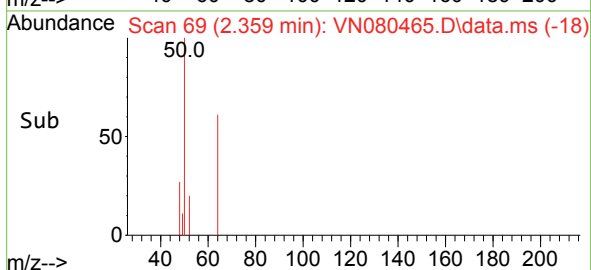
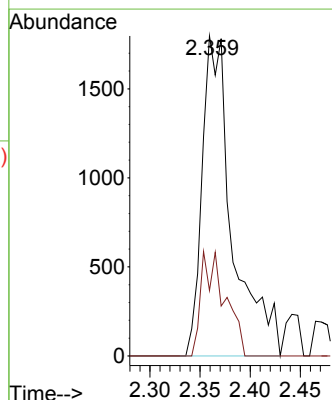
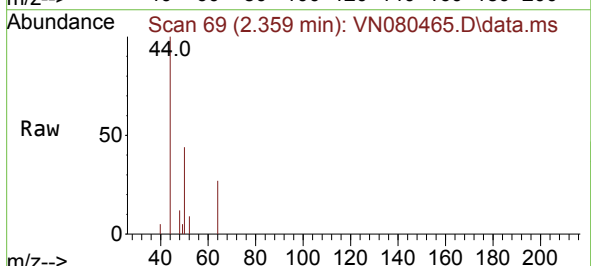
Acq: 13 Dec 2023 16:28

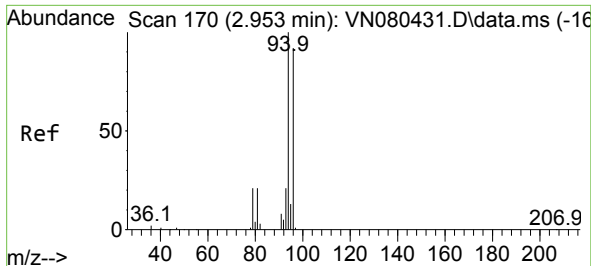
Tgt Ion: 50 Resp: 3773

Ion Ratio Lower Upper

50 100

52 20.4 26.5 39.7#

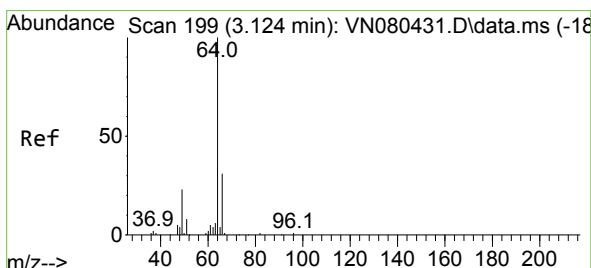
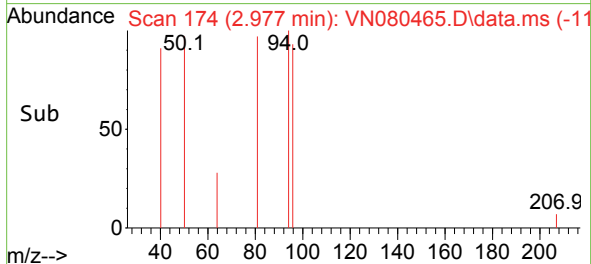
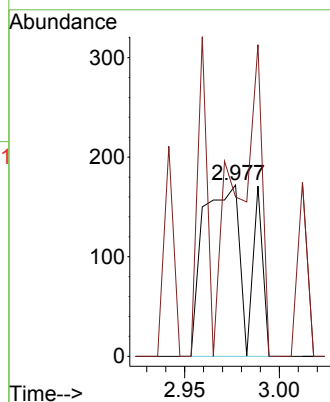
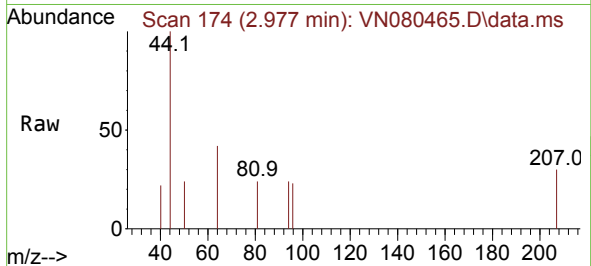




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

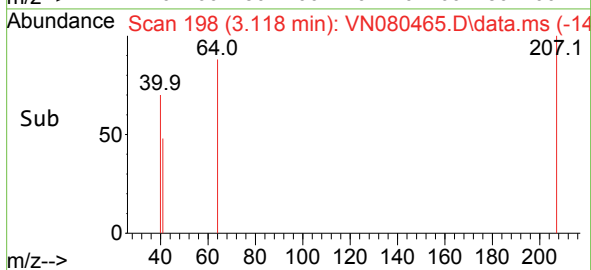
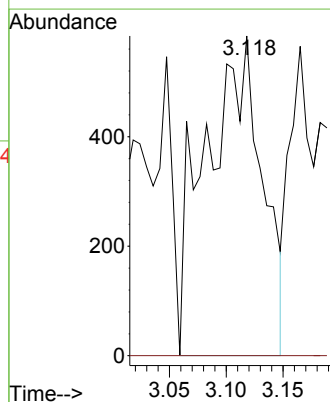
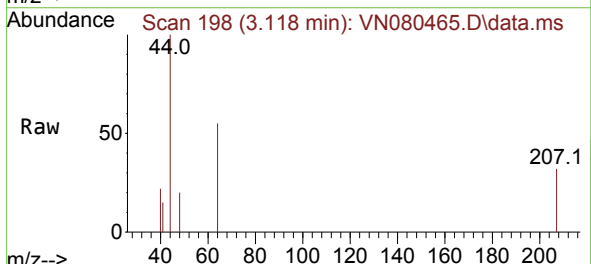
Instrument :
MSVOA_N
ClientSampleId :

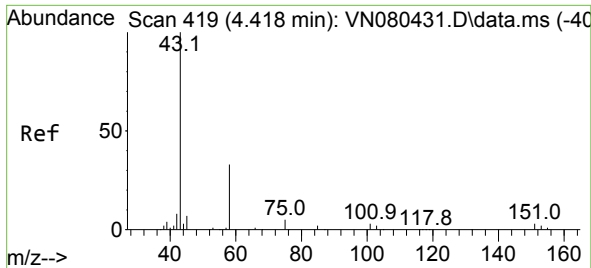
Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 93.0 73.1 109.7



#6
Chloroethane
Concen: 1.059 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion: 64 Resp: 2013
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

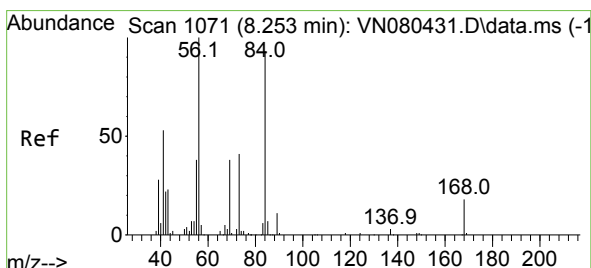
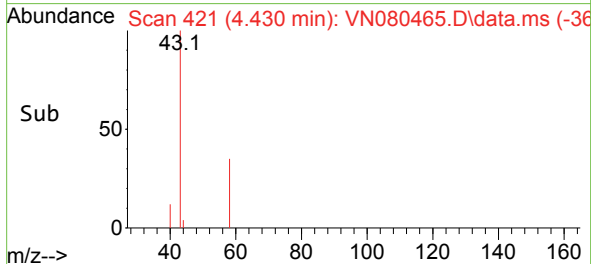
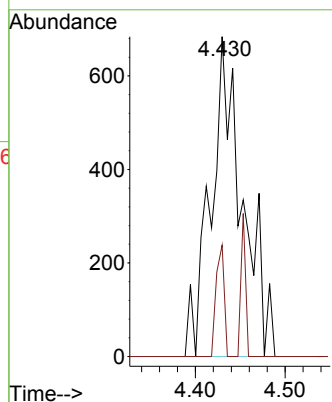
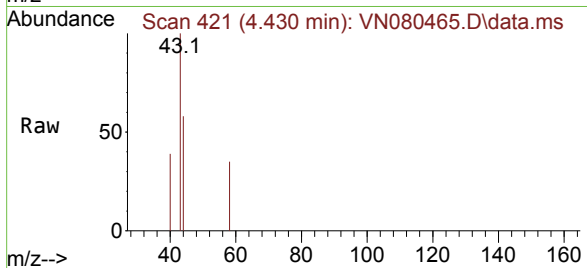




#16
Acetone
Concen: 2.737 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

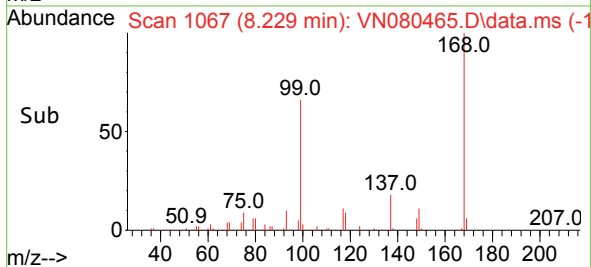
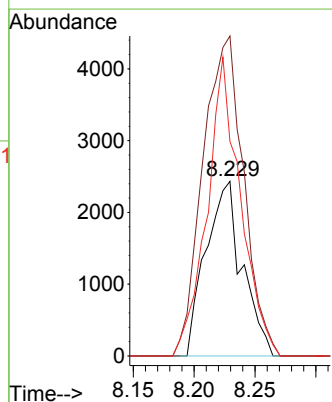
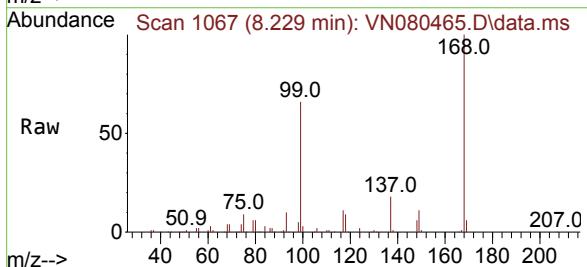
Instrument :
MSVOA_N
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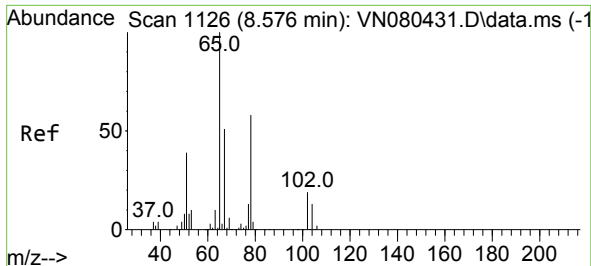
Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
58 34.8 28.0 42.0



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion: 56 Resp: 5054
Ion Ratio Lower Upper
56 100
69 183.3 26.8 40.2#
84 122.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.373 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080465.D

Acq: 13 Dec 2023 16:28

Instrument :

MSVOA_N

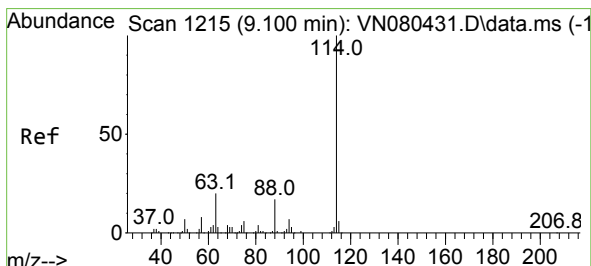
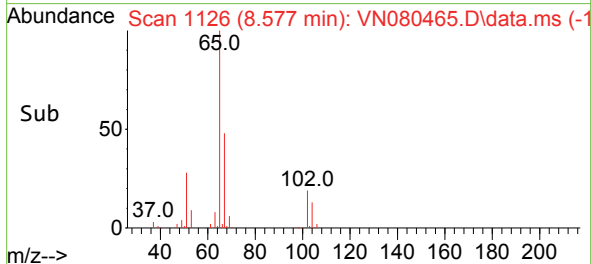
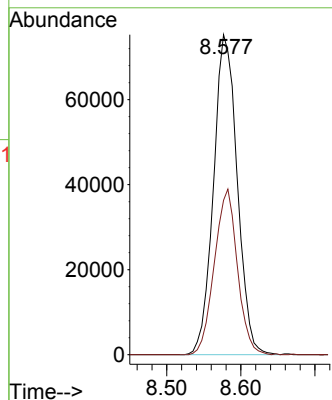
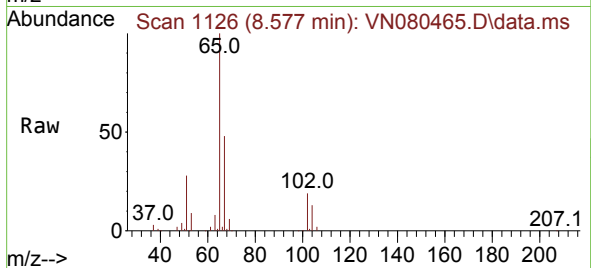
ClientSampleId :

Tgt Ion: 65 Resp: 167436

Ion Ratio Lower Upper

65 100

67 50.2 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: VN080465.D

Acq: 13 Dec 2023 16:28

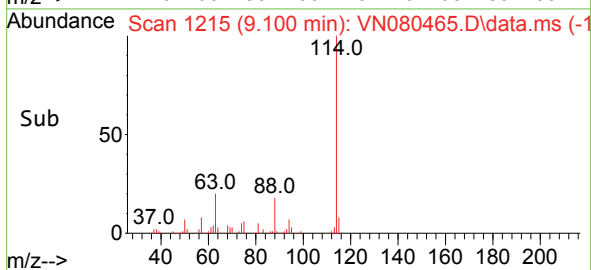
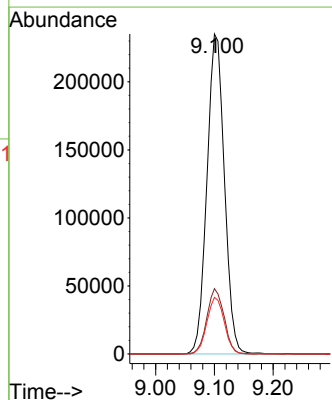
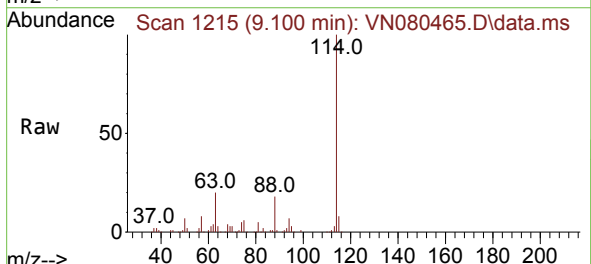
Tgt Ion: 114 Resp: 485122

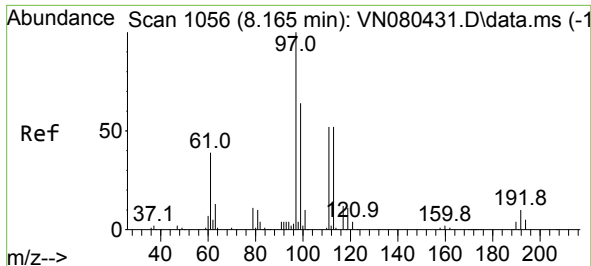
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

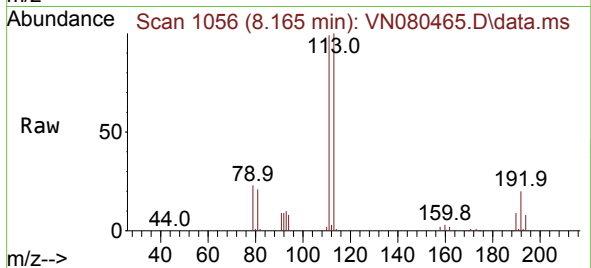
88 17.7 0.0 30.6



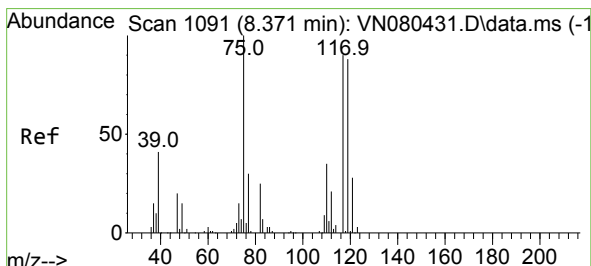
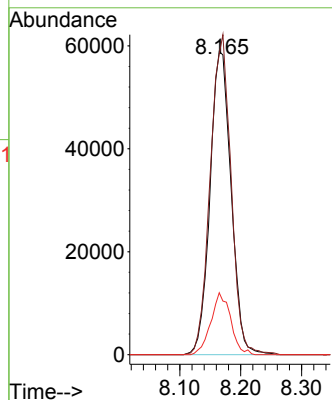
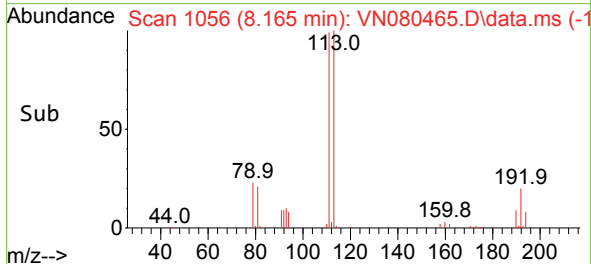


#35
Dibromofluoromethane
Concen: 46.090 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :

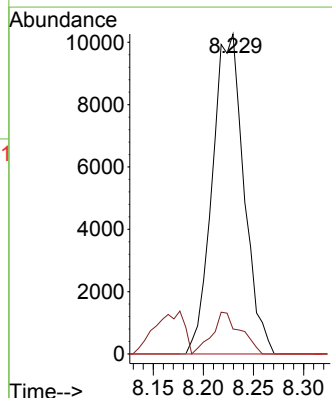
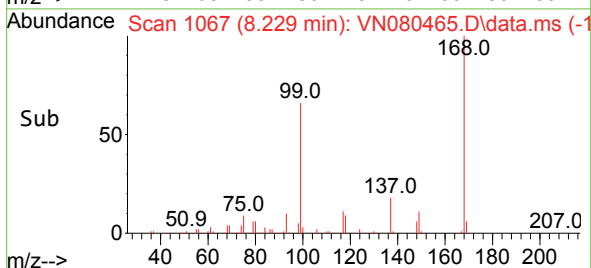
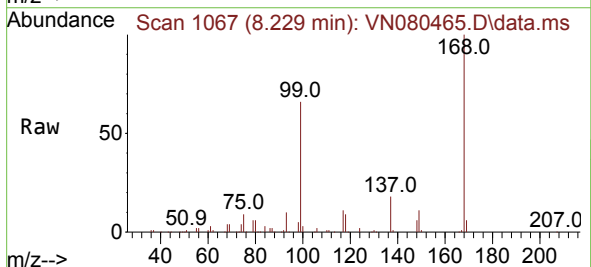


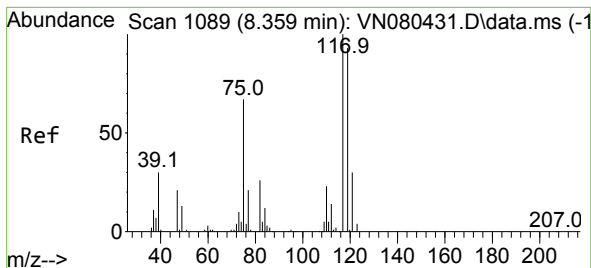
Tgt Ion:113 Resp: 141768
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.463 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion: 75 Resp: 22447
Ion Ratio Lower Upper
75 100
110 11.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.975 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

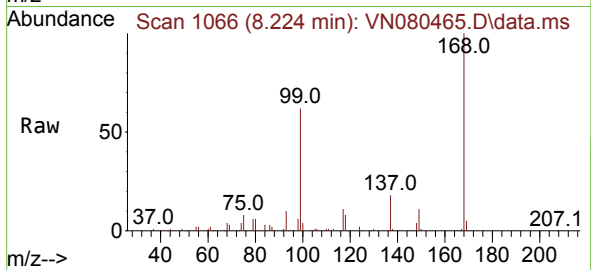
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Acq: 13 Dec 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :



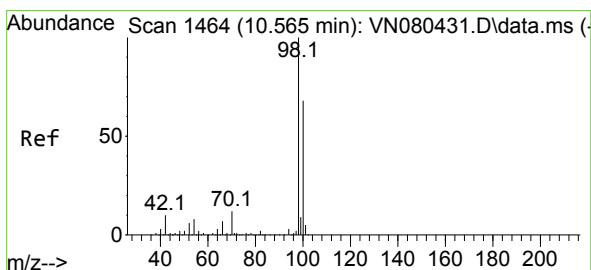
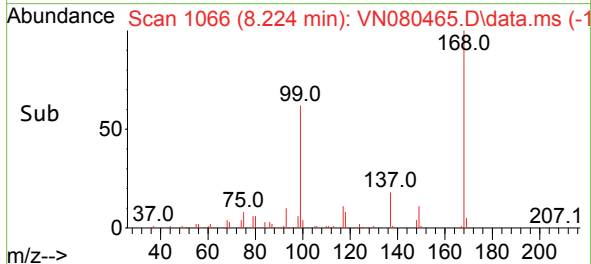
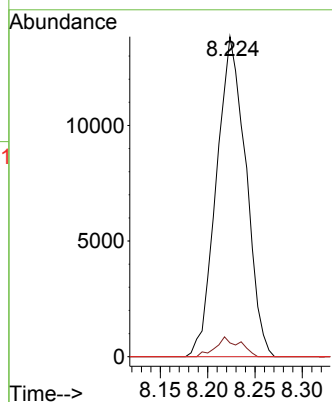
Tgt Ion:117 Resp: 29896

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 43.999 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080465.D

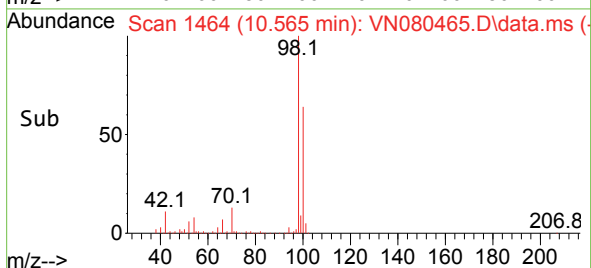
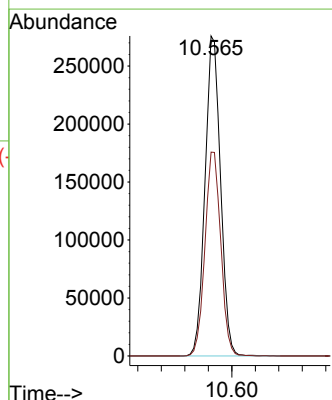
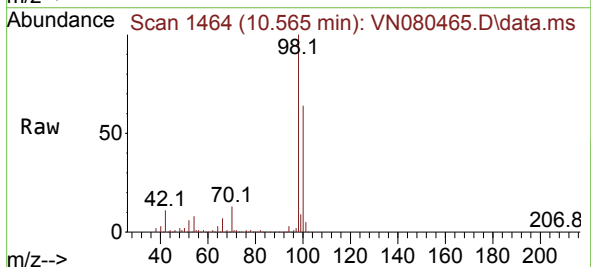
Acq: 13 Dec 2023 16:28

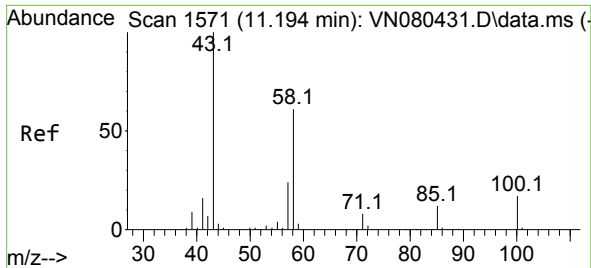
Tgt Ion: 98 Resp: 504732

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

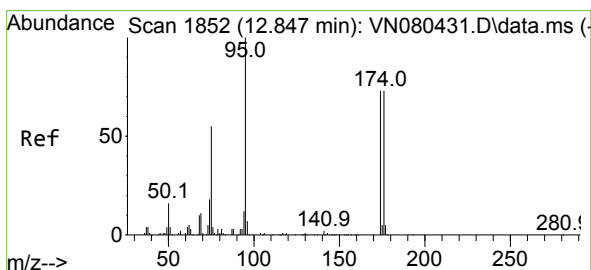
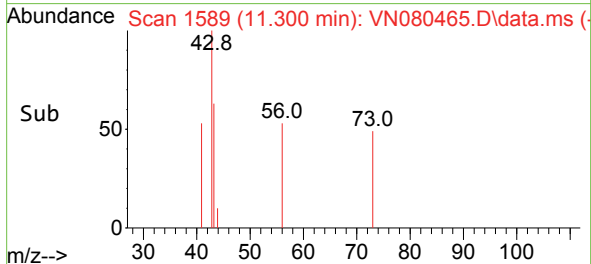
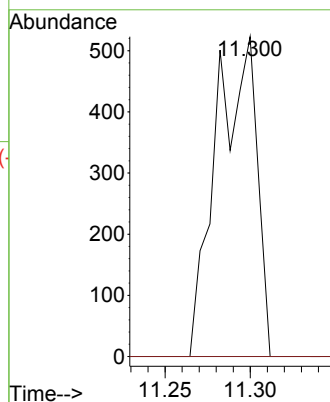
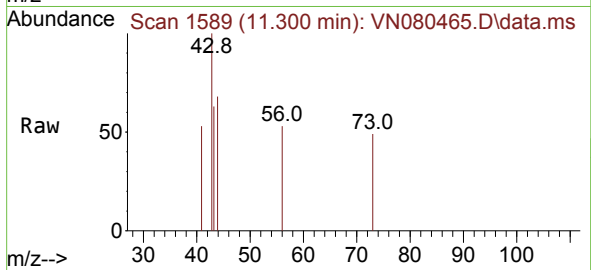




#59
2-Hexanone
Concen: 0.374 ug/l
RT: 11.300 min Scan# 1589
Delta R.T. 0.106 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

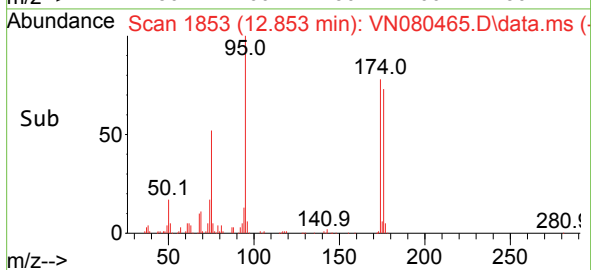
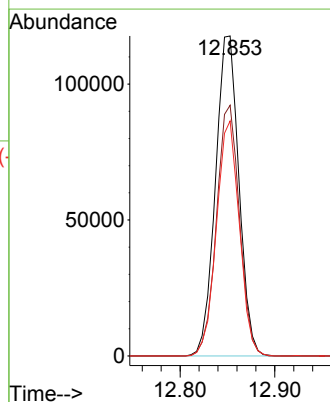
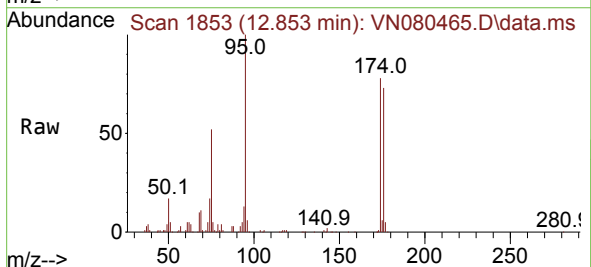
Instrument :
MSVOA_N
ClientSampleId :

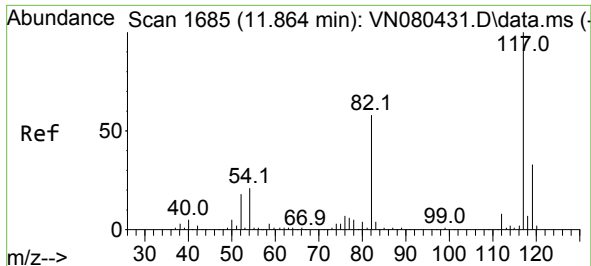
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.499 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion: 95 Resp: 202548
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.8 0.0 135.8

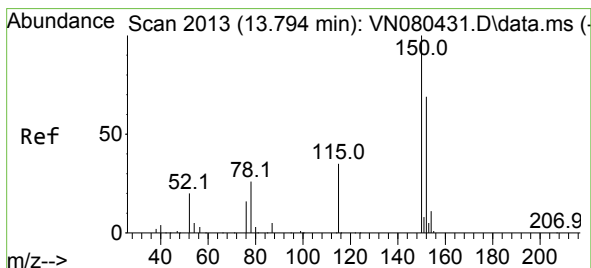
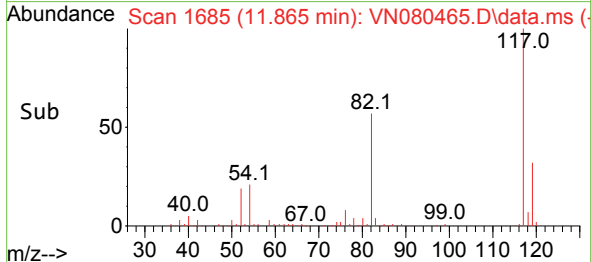
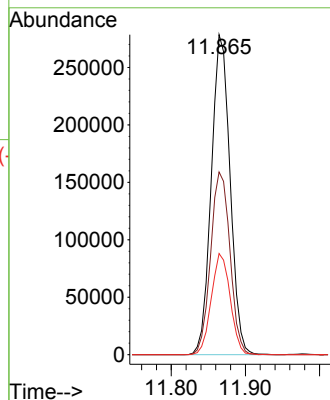
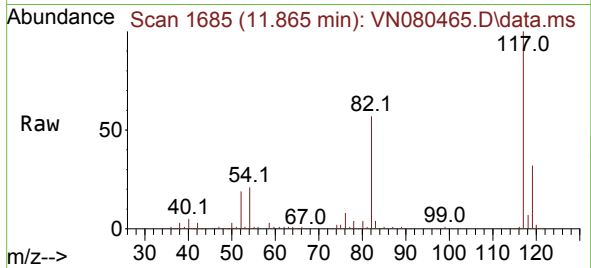




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

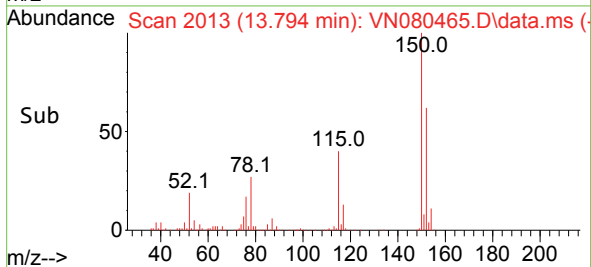
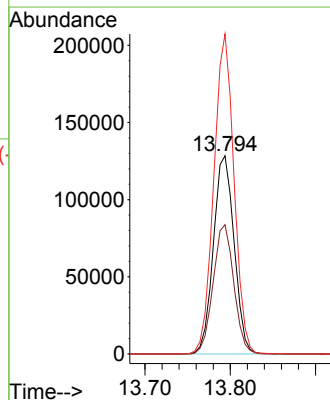
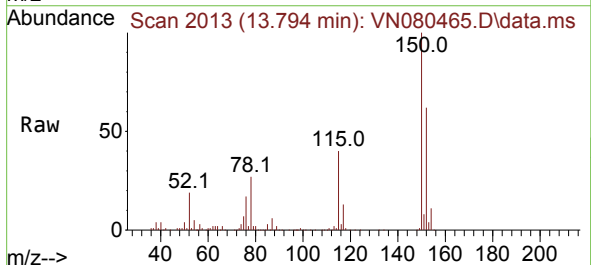
Instrument :
MSVOA_N
ClientSampleId :

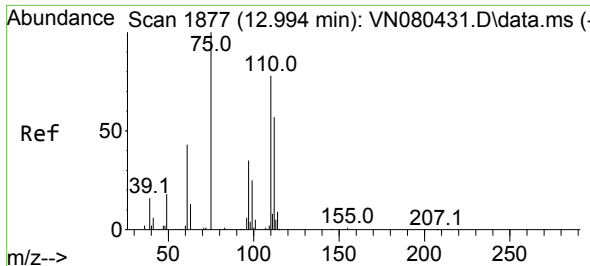
Tgt Ion:117 Resp: 489909
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion:152 Resp: 217043
Ion Ratio Lower Upper
152 100
115 65.0 32.3 96.8
150 156.9 0.0 355.8

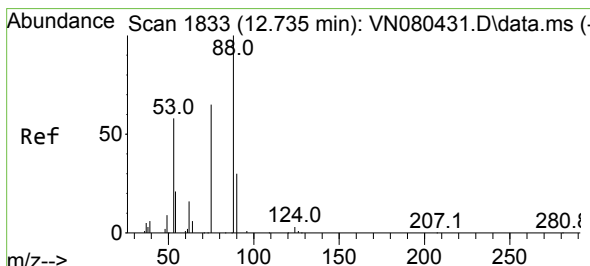
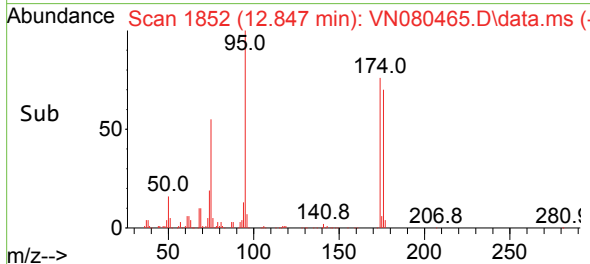
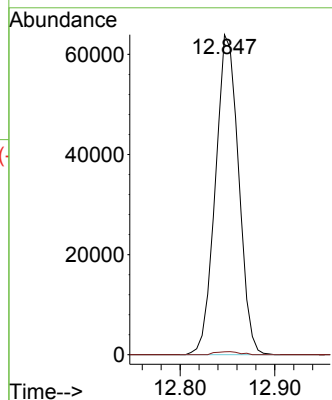
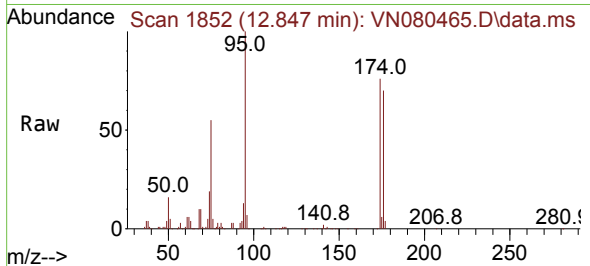




#76
1,2,3-Trichloropropane
Concen: 25.125 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 108789
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080465.D
Acq: 13 Dec 2023 16:28

Tgt Ion: 75 Resp: 108789
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

