

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080436.D
 Acq On : 12 Dec 2023 12:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 02:30:54 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)

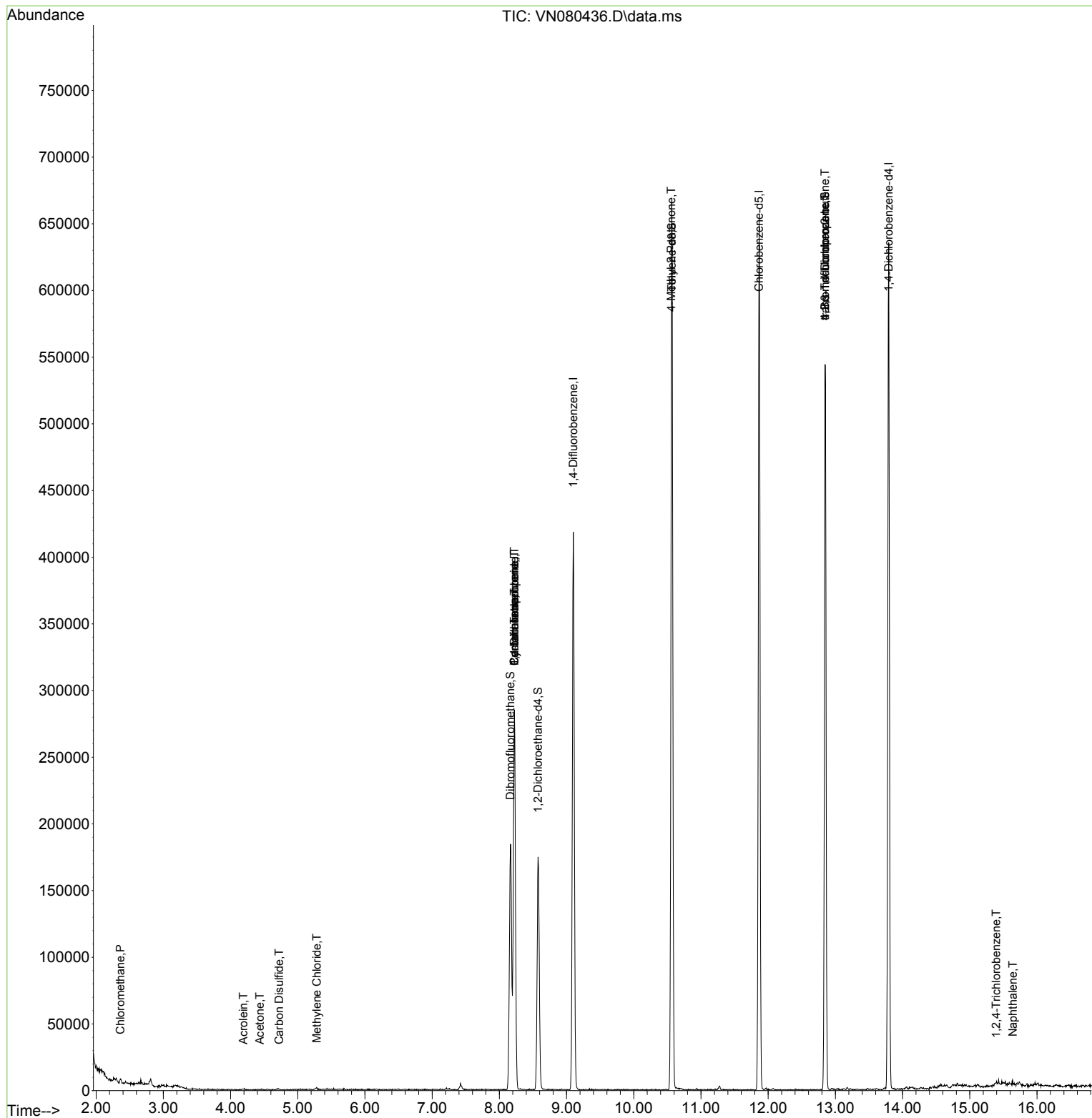
Internal Standards						
1) Pentafluorobenzene	8.224	168	199316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	365002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153424	60.267	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.540%			
35) Dibromofluoromethane	8.165	113	131152	56.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.340%			
50) Toluene-d8	10.565	98	476531	55.212	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.420%			
62) 4-Bromofluorobenzene	12.847	95	193960	59.181	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.360%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	3715	1.000	ug/l	94
13) Acrolein	4.189	56	640	1.949	ug/l #	35
16) Acetone	4.436	43	295	0.654	ug/l #	40
17) Carbon Disulfide	4.724	76	1298	0.214	ug/l #	75
20) Methylene Chloride	5.283	84	568	0.235	ug/l #	73
31) Cyclohexane	8.224	56	4389	1.268	ug/l #	13
36) 1,1-Dichloropropene	8.224	75	15887	4.199	ug/l #	48
38) Carbon Tetrachloride	8.224	117	21800	4.822	ug/l #	14
51) 4-Methyl-2-Pentanone	10.559	43	1818	0.775	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	105390	30.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	105390	80.715	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	760	0.241	ug/l #	62
95) Naphthalene	15.641	128	1989	0.208	ug/l #	86

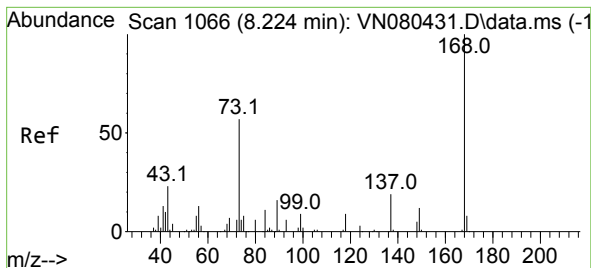
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080436.D

Acq: 12 Dec 2023 12:54

Instrument :

MSVOA_N

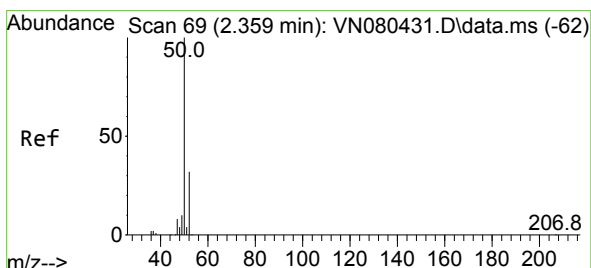
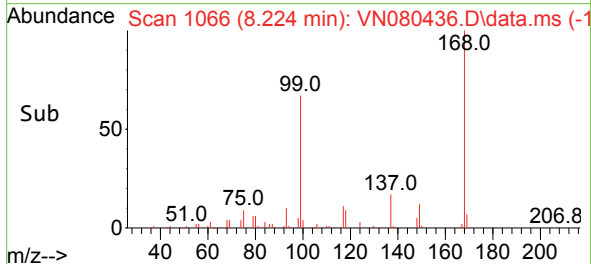
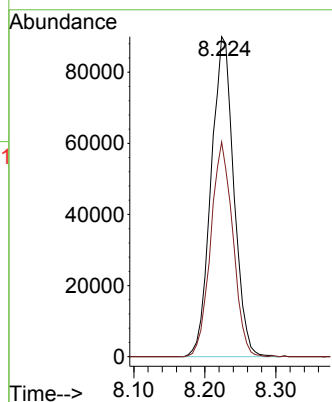
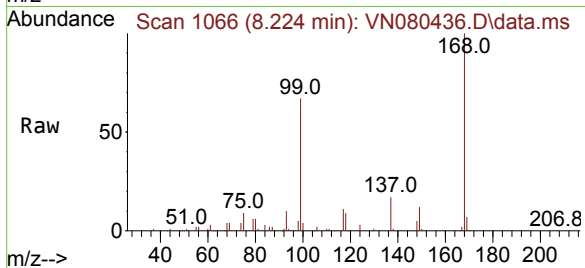
ClientSampleId :

Tgt Ion:168 Resp: 199316

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



#3

Chloromethane

Concen: 1.000 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080436.D

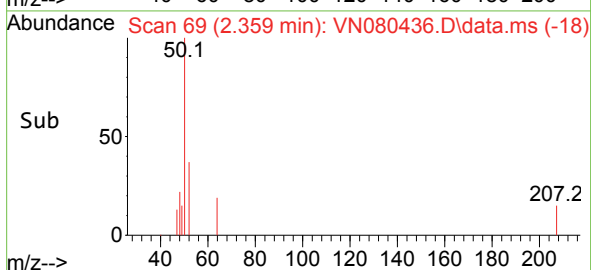
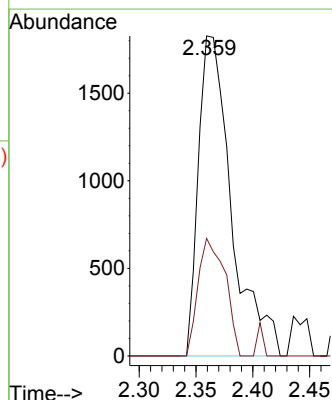
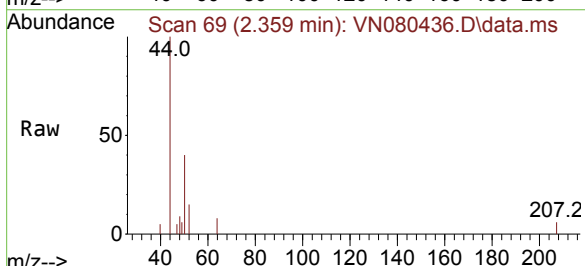
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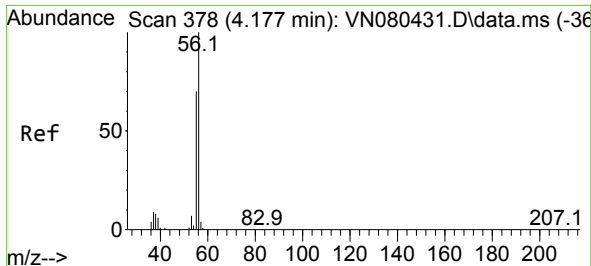
Tgt Ion: 50 Resp: 3715

Ion Ratio Lower Upper

50 100

52 36.7 26.5 39.7

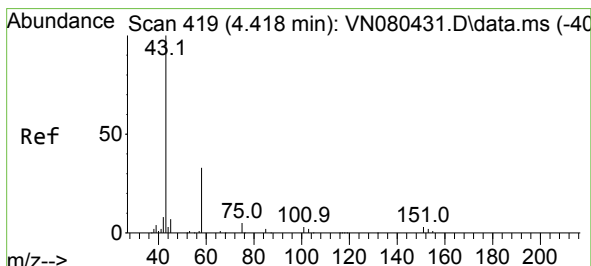
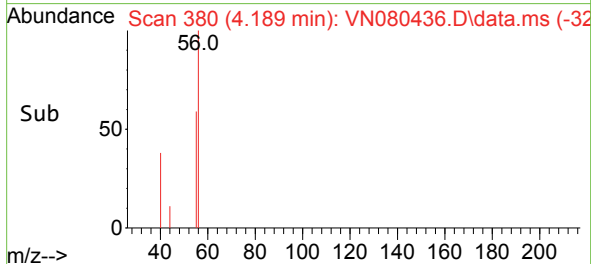
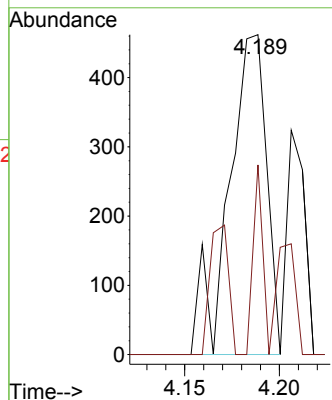
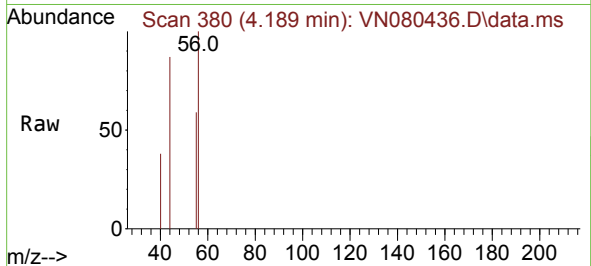




#13
Acrolein
Concen: 1.949 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

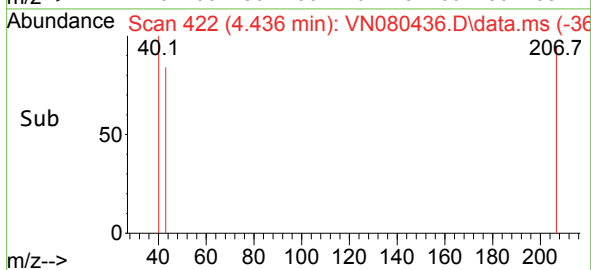
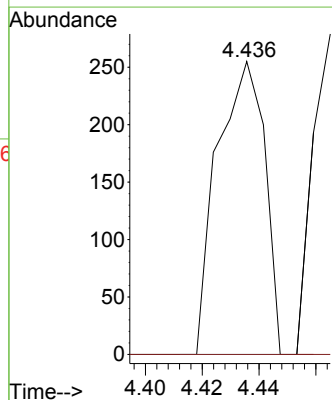
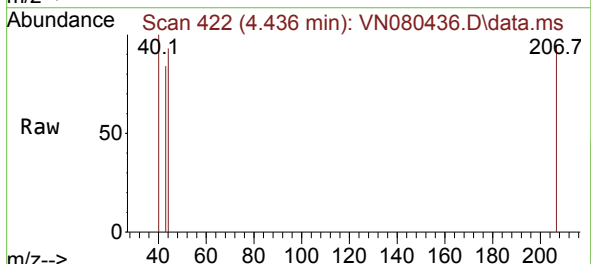
Instrument :
MSVOA_N
ClientSampleId :

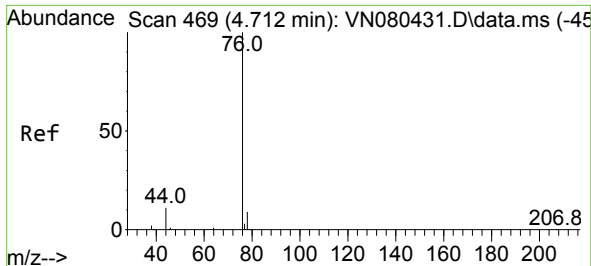
Tgt Ion: 56 Resp: 640
Ion Ratio Lower Upper
56 100
55 15.2 54.5 81.7#



#16
Acetone
Concen: 0.654 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

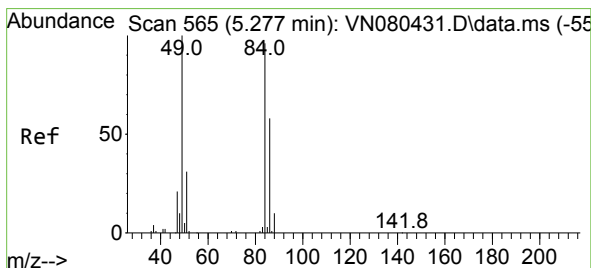
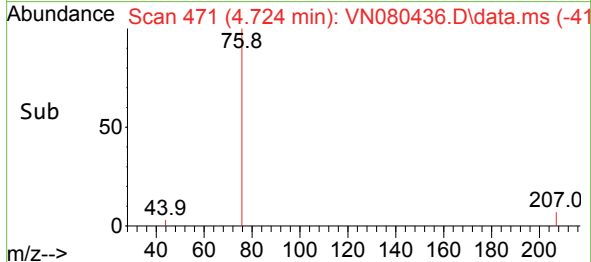
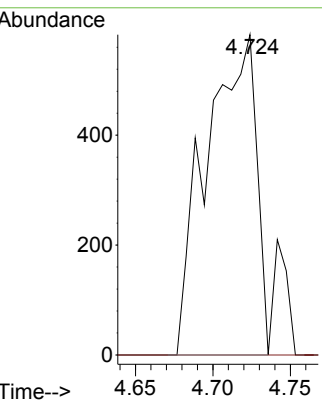
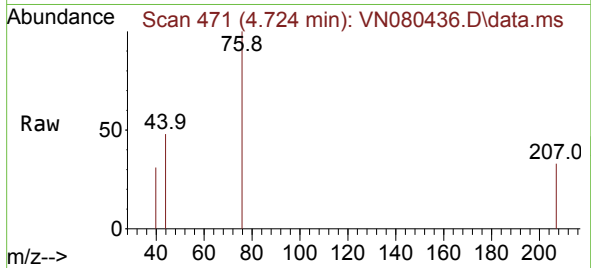




#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

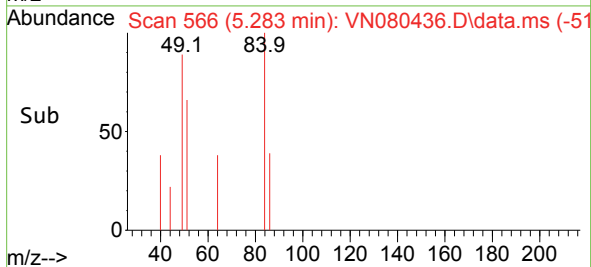
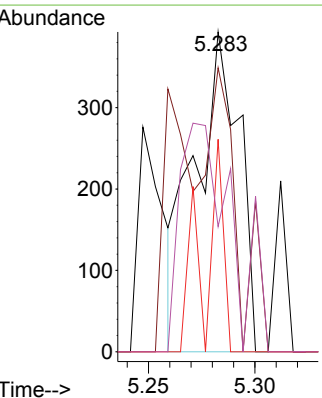
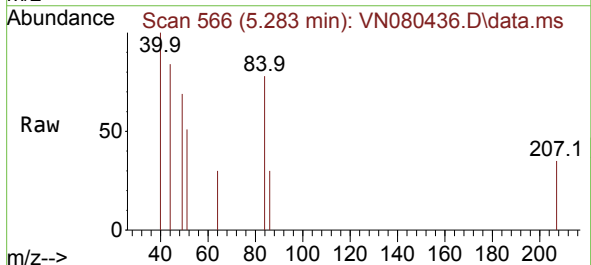
Instrument :
MSVOA_N
ClientSampleId :

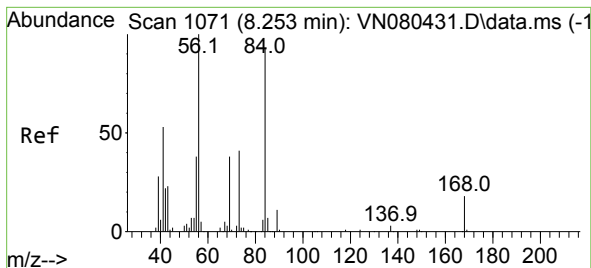
Tgt Ion: 76 Resp: 1298
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

Tgt Ion: 84 Resp: 568
Ion Ratio Lower Upper
84 100
49 88.8 79.7 119.5
51 66.4 25.2 37.8#
86 39.2 53.3 79.9#





#31

Cyclohexane

Concen: 1.268 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

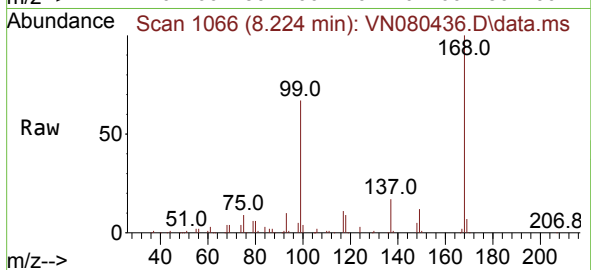
Lab File: VN080436.D

Acq: 12 Dec 2023 12:54

Instrument :

MSVOA_N

ClientSampleId :



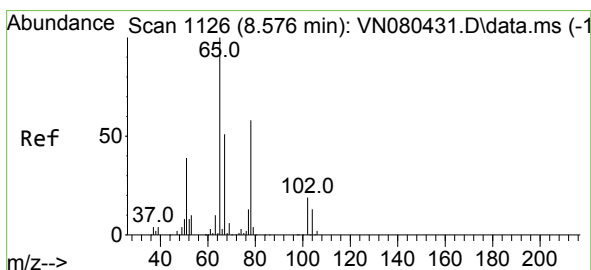
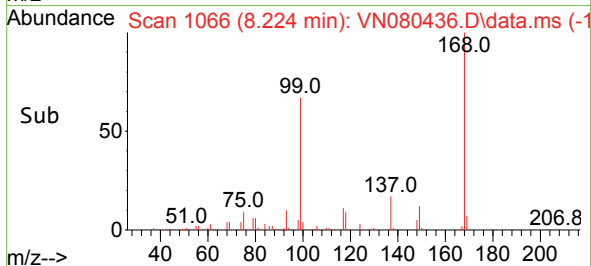
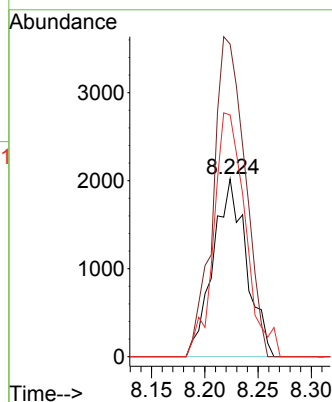
Tgt Ion: 56 Resp: 4389

Ion Ratio Lower Upper

56 100

69 175.8 26.8 40.2#

84 136.0 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 60.267 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080436.D

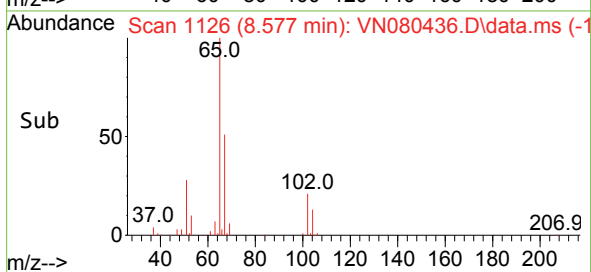
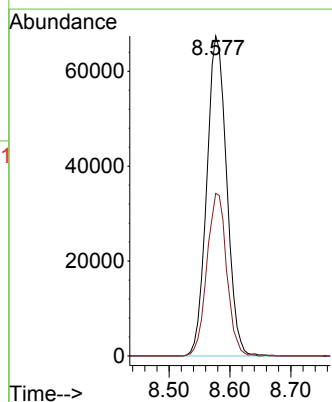
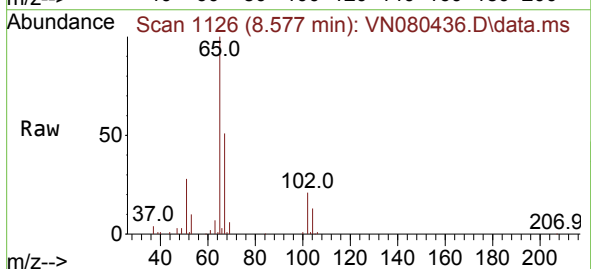
Acq: 12 Dec 2023 12:54

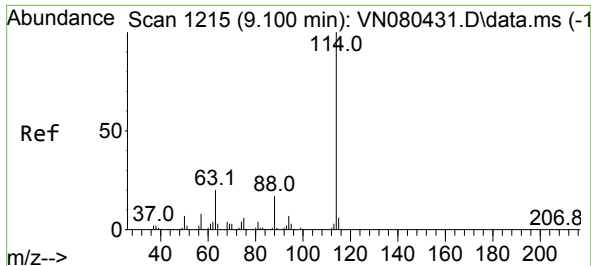
Tgt Ion: 65 Resp: 153424

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6

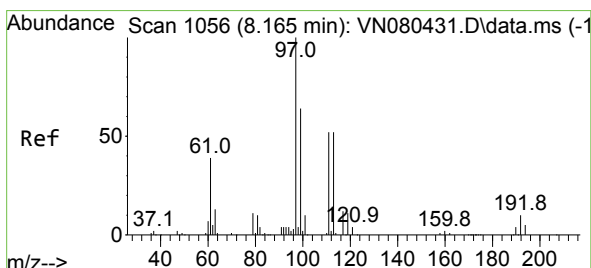
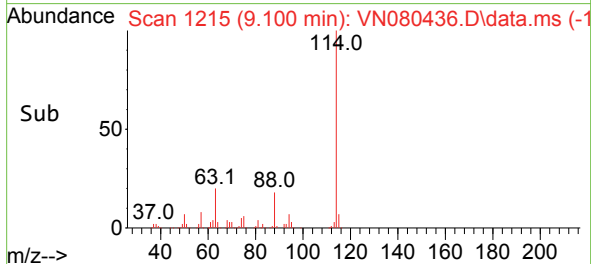
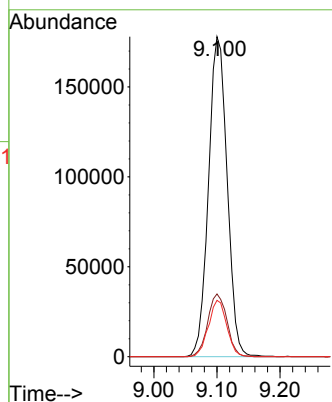
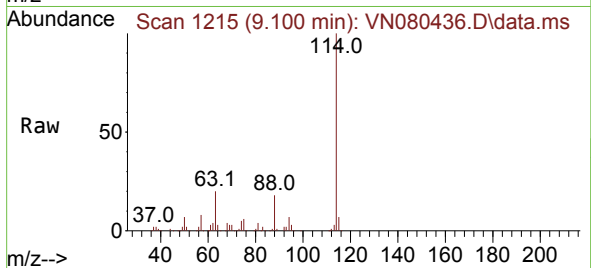




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

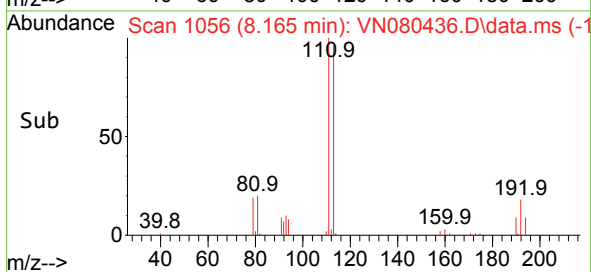
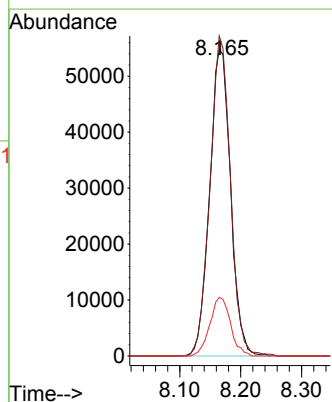
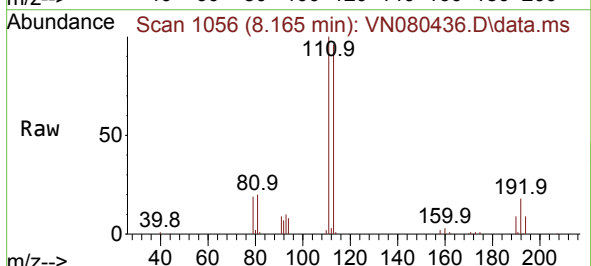
Instrument :
MSVOA_N
ClientSampleId :

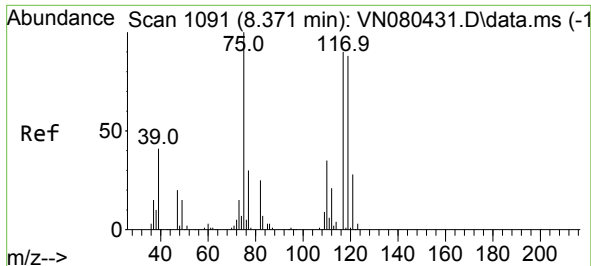
Tgt Ion:114 Resp: 365002
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 17.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.671 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

Tgt Ion:113 Resp: 131152
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.199 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080436.D

Acq: 12 Dec 2023 12:54

Instrument :

MSVOA_N

ClientSampleId :

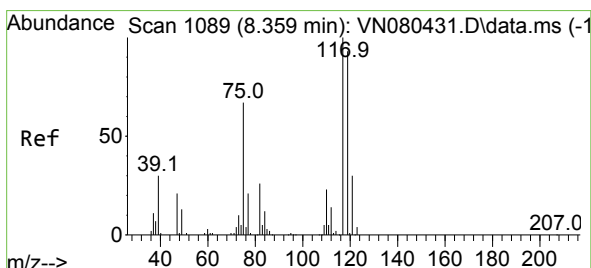
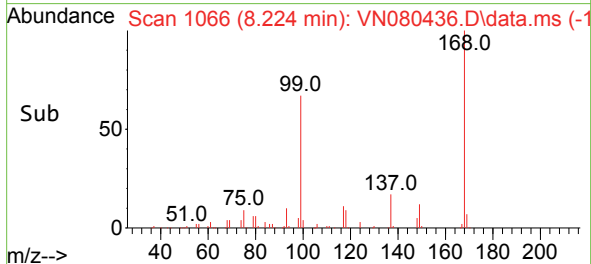
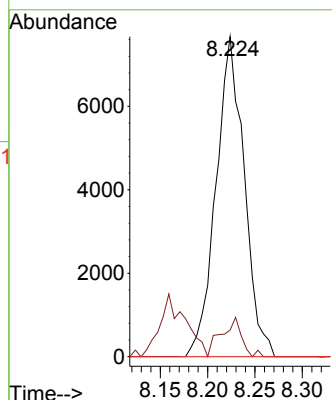
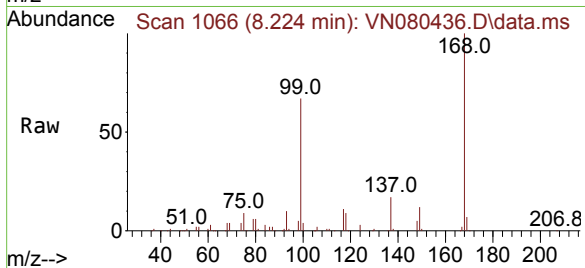
Tgt Ion: 75 Resp: 15887

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.822 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080436.D

Acq: 12 Dec 2023 12:54

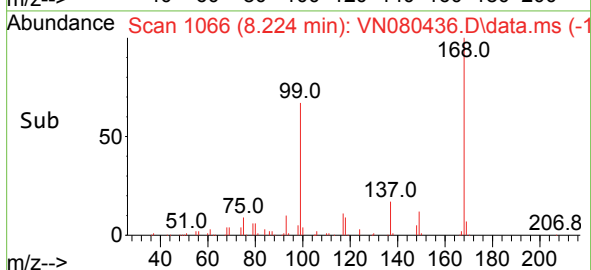
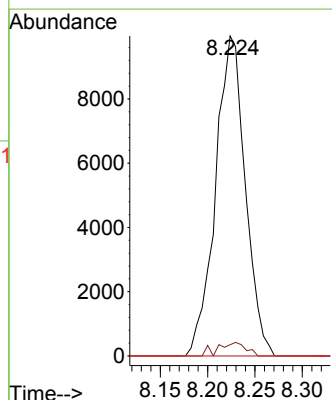
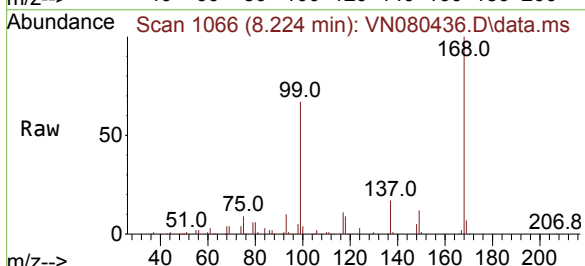
Tgt Ion: 117 Resp: 21800

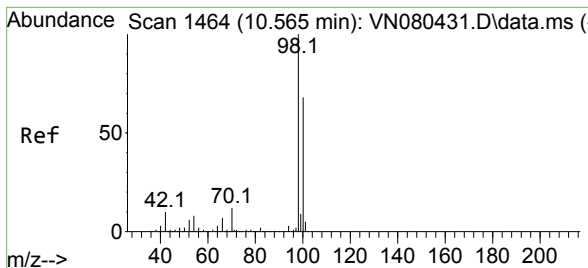
Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 23.3 34.9#

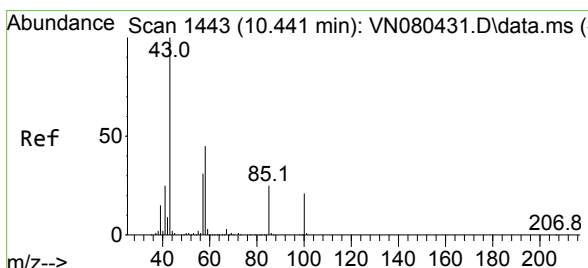
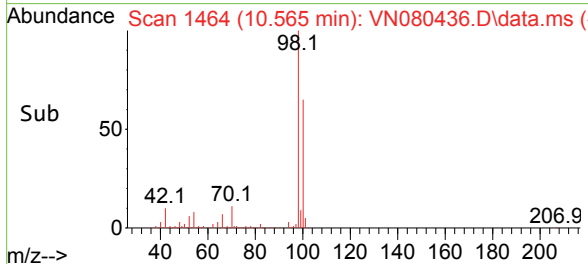
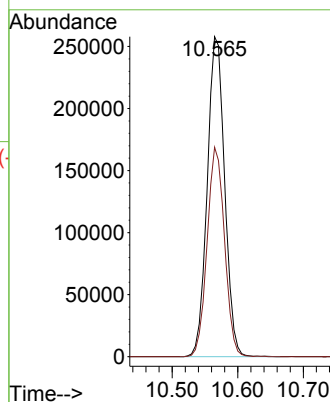
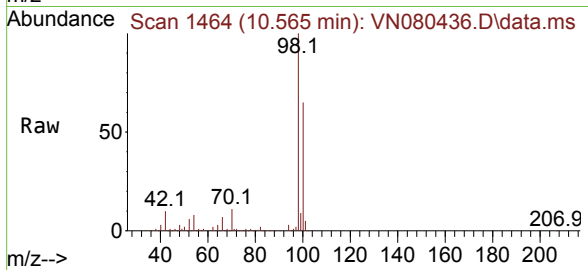




#50
Toluene-d8
Concen: 55.212 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

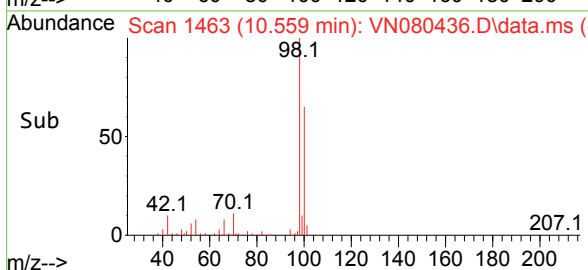
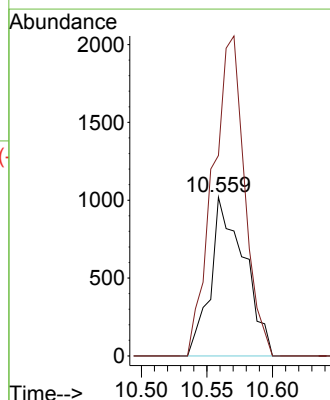
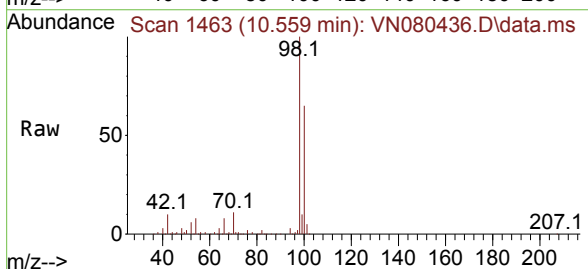
Instrument :
MSVOA_N
ClientSampleId :

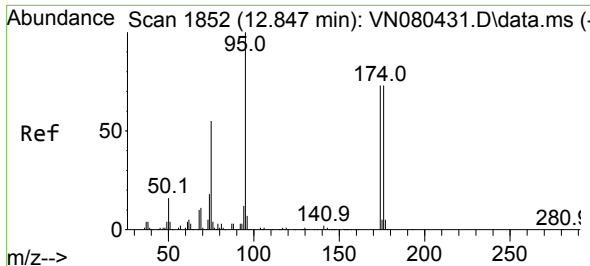
Tgt Ion: 98 Resp: 476531
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.775 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

Tgt Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
58 190.5 36.6 54.8#

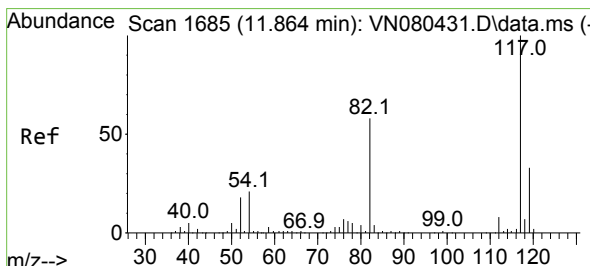
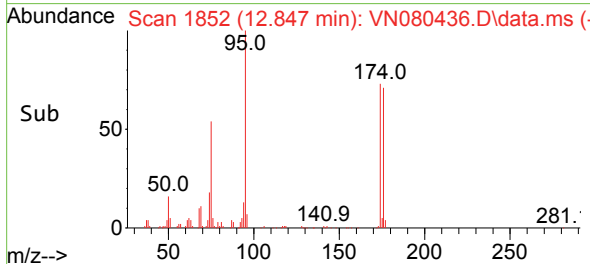
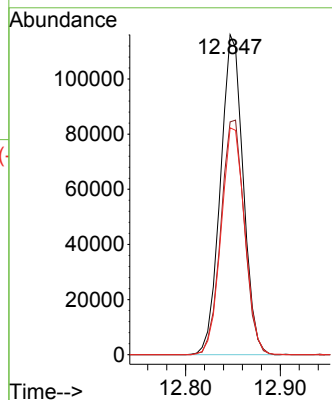
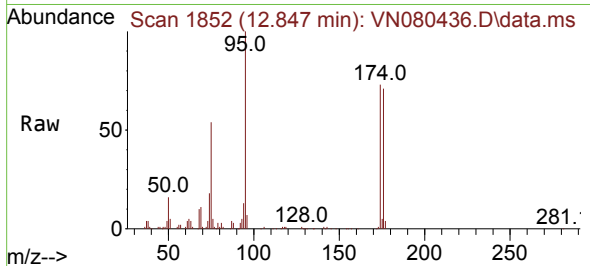




#62
4-Bromofluorobenzene
Concen: 59.181 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

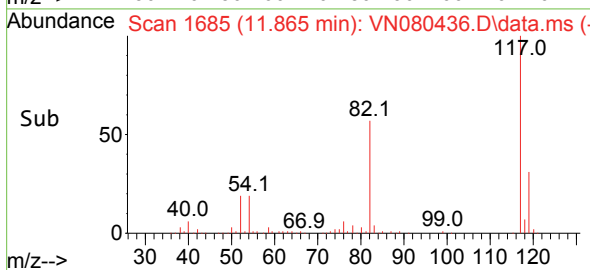
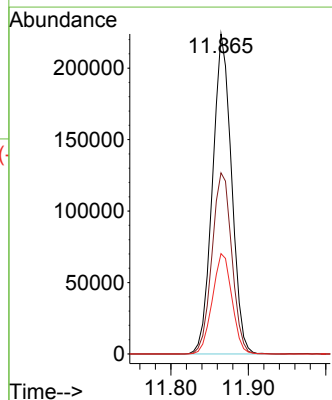
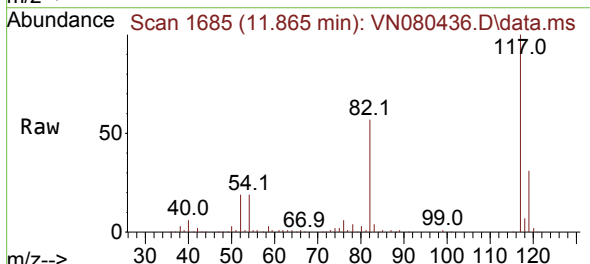
Instrument :
MSVOA_N
ClientSampleId :

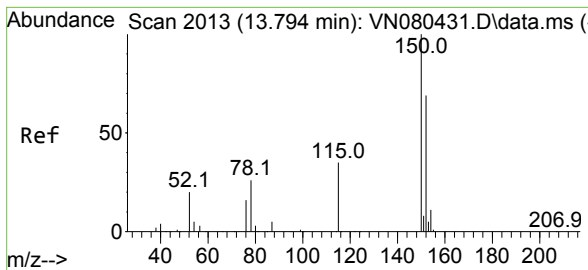
Tgt Ion: 95 Resp: 193960
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

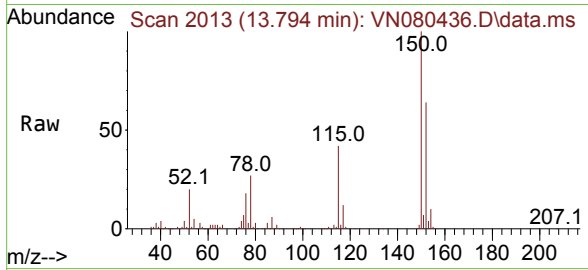
Tgt Ion: 117 Resp: 381620
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 31.4 25.6 38.4



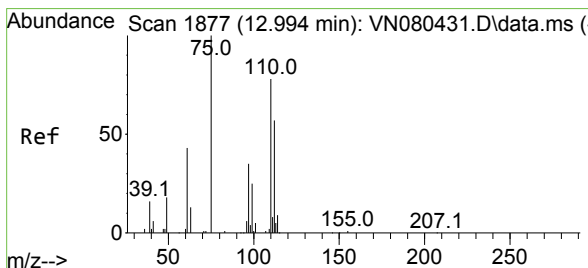
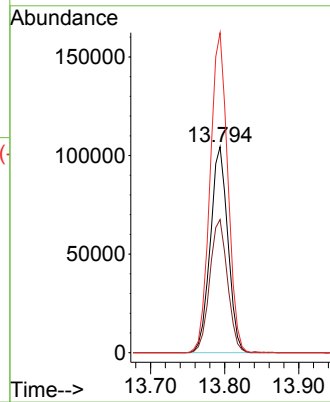
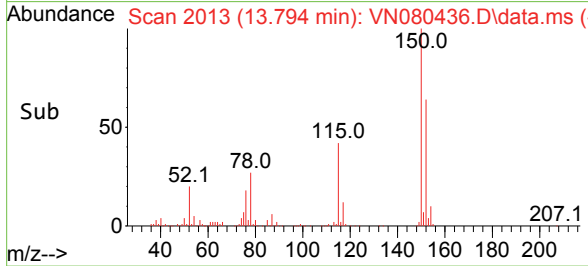


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080436.D
 Acq: 12 Dec 2023 12:54

Instrument :
 MSVOA_N
 ClientSampleId :

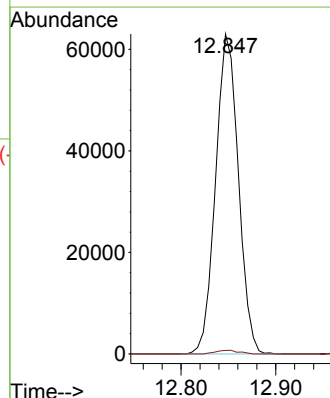
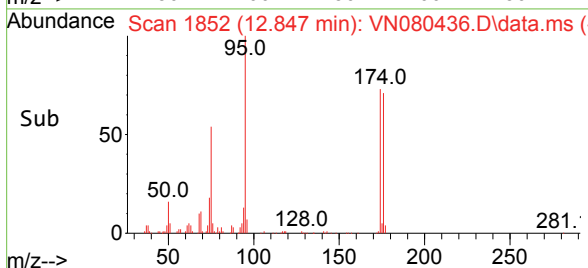
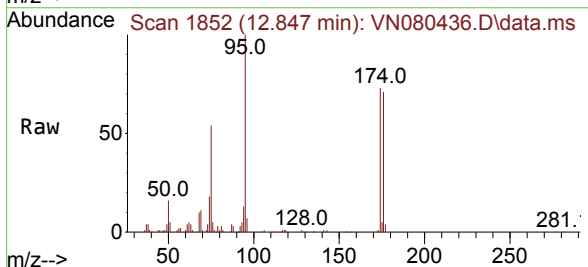


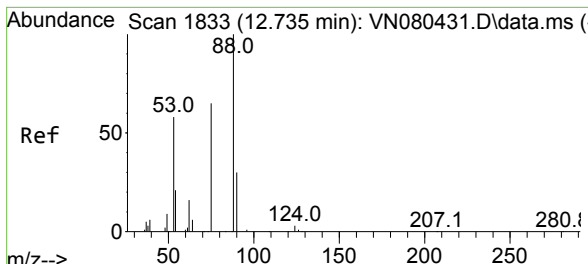
Tgt Ion:152 Resp: 171845
 Ion Ratio Lower Upper
 152 100
 115 65.4 32.3 96.8
 150 156.2 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.742 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080436.D
 Acq: 12 Dec 2023 12:54

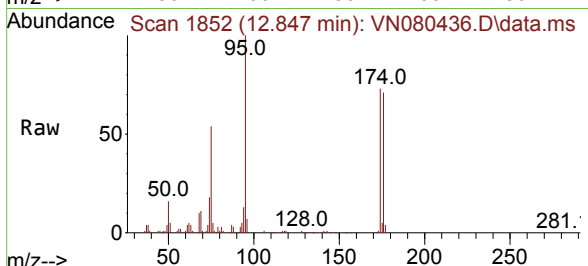
Tgt Ion: 75 Resp: 105390
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#



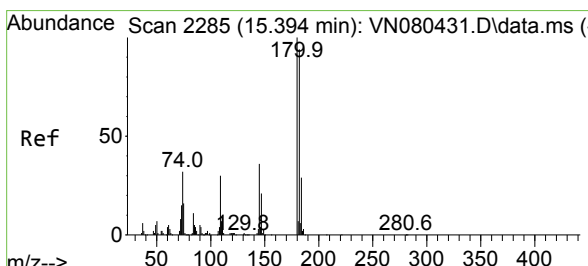
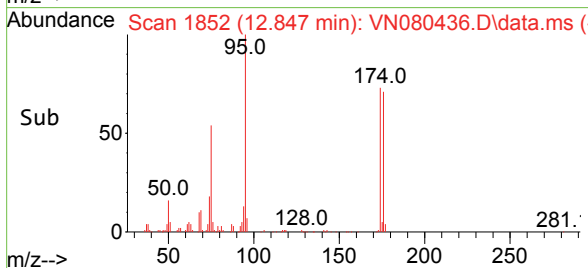
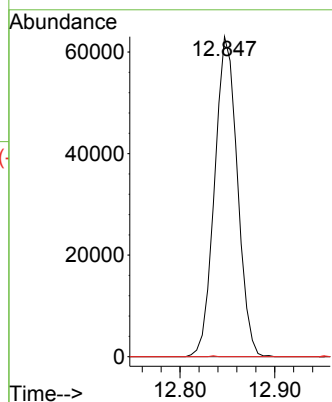


#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.715 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN080436.D
 Acq: 12 Dec 2023 12:54

Instrument :
 MSVOA_N
 ClientSampleId :

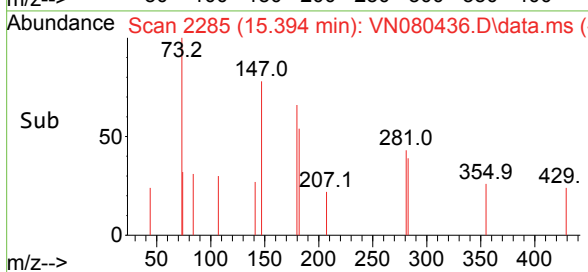
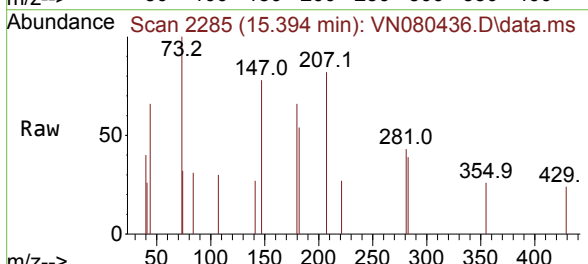
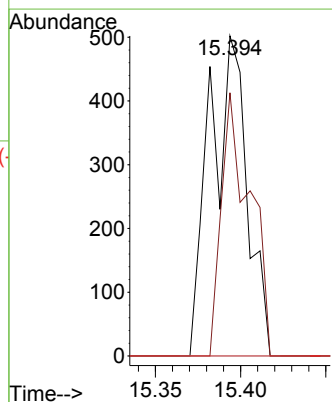


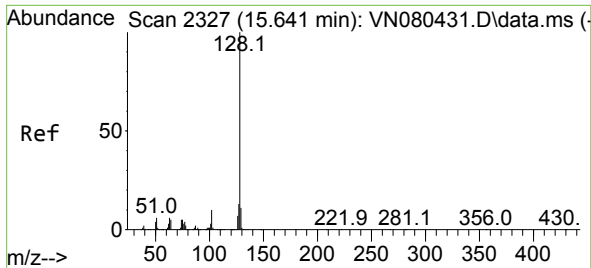
Tgt Ion: 75 Resp: 105390
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN080436.D
 Acq: 12 Dec 2023 12:54

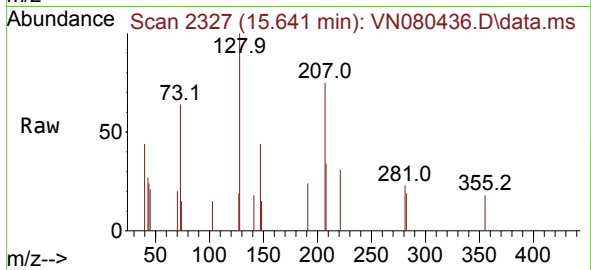
Tgt Ion:180 Resp: 760
 Ion Ratio Lower Upper
 180 100
 182 63.2 46.1 138.2
 145 0.0 16.6 49.8#





#95
Naphthalene
Concen: 0.208 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080436.D
Acq: 12 Dec 2023 12:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1989
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.0	15.0
129	0.0	8.7	13.1#

