

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080439.D
 Acq On : 12 Dec 2023 15:52
 Operator : JC\MD
 Sample : VN1212WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 02:32:30 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)

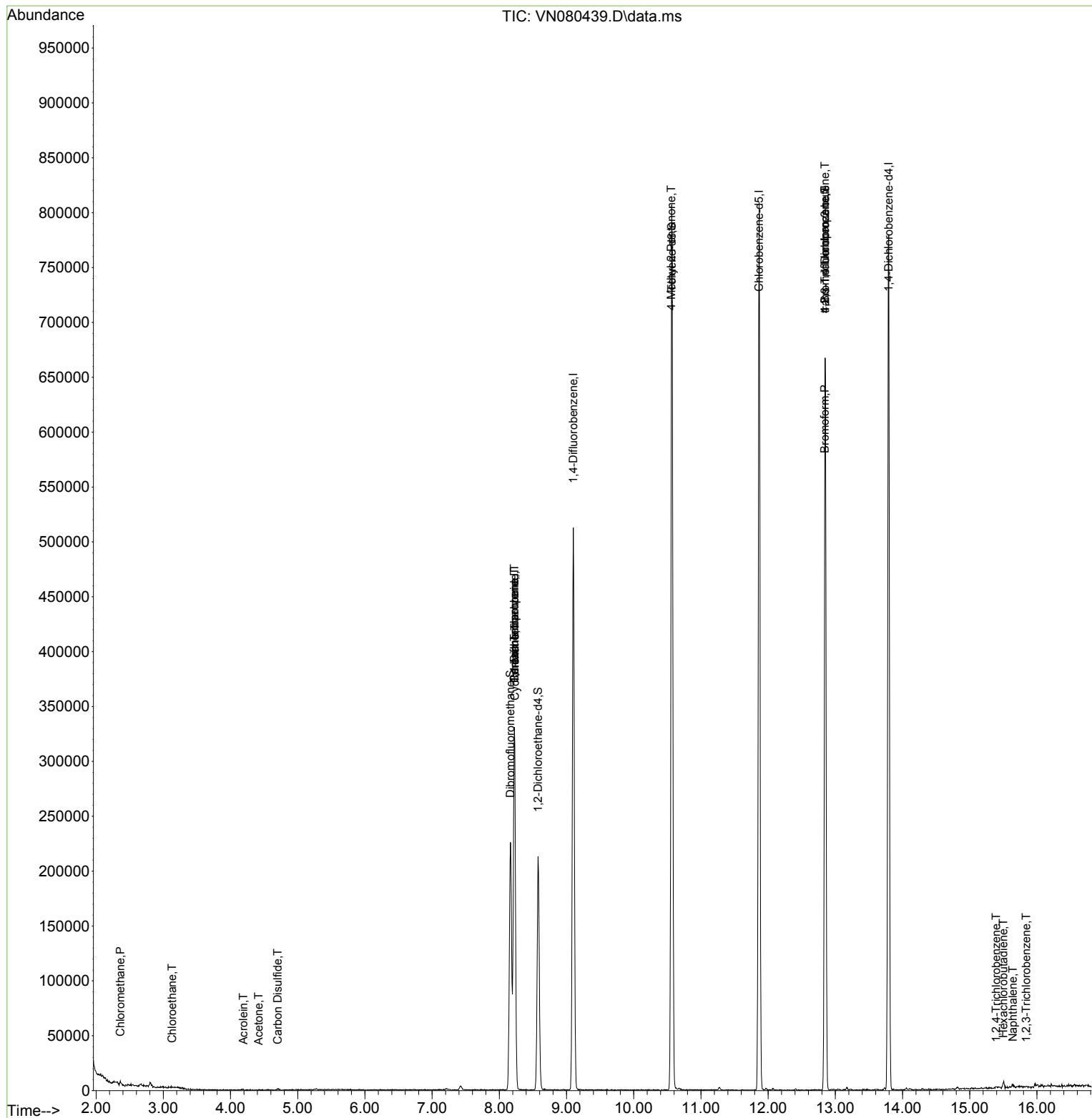
Internal Standards						
1) Pentafluorobenzene	8.224	168	236469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	444606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	470948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	185103	61.287	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.580%	
35) Dibromofluoromethane	8.165	113	160695	57.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.000%	
50) Toluene-d8	10.565	98	583870	55.536	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.080%	
62) 4-Bromofluorobenzene	12.847	95	241235	60.427	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3189	0.610	ug/l	93
6) Chloroethane	3.130	64	1066	0.643	ug/l #	43
13) Acrolein	4.189	56	672	1.725	ug/l	85
16) Acetone	4.418	43	135	0.252	ug/l #	40
17) Carbon Disulfide	4.700	76	1983	0.275	ug/l #	75
31) Cyclohexane	8.230	56	4885	1.189	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	18641	4.044	ug/l #	50
38) Carbon Tetrachloride	8.224	117	27475	4.989	ug/l #	16
51) 4-Methyl-2-Pentanone	10.559	43	1957	0.685	ug/l #	1
71) Bromoform	12.841	173	1008	0.336	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	130971	30.013	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	130971	78.802	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	876	0.218	ug/l #	66
94) Hexachlorobutadiene	15.500	225	1272	0.556	ug/l	94
95) Naphthalene	15.641	128	2657	0.218	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	779	0.201	ug/l #	78

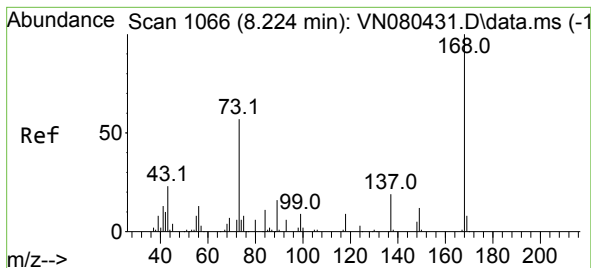
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN080439.D
Acq On : 12 Dec 2023 15:52
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Dec 13 02:32:30 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080439.D

Acq: 12 Dec 2023 15:52

Instrument :

MSVOA_N

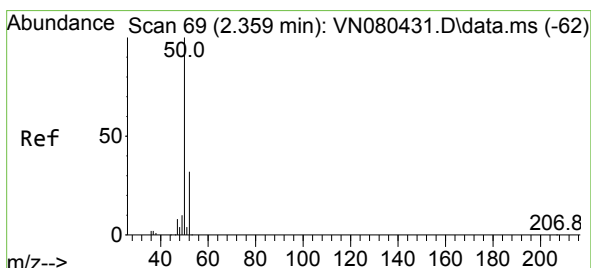
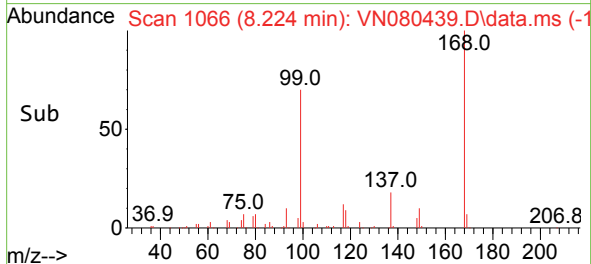
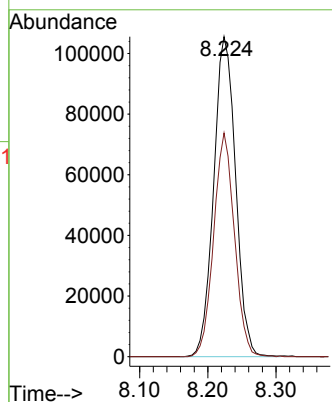
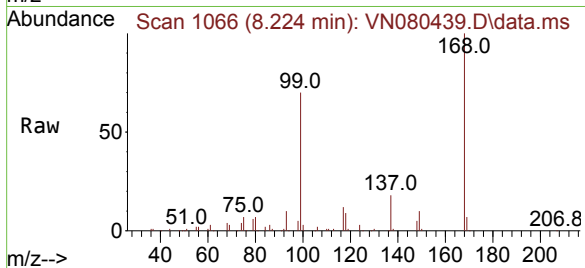
ClientSampleId :

Tgt Ion:168 Resp: 236469

Ion Ratio Lower Upper

168 100

99 69.9 53.0 79.6



#3

Chloromethane

Concen: 0.610 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080439.D

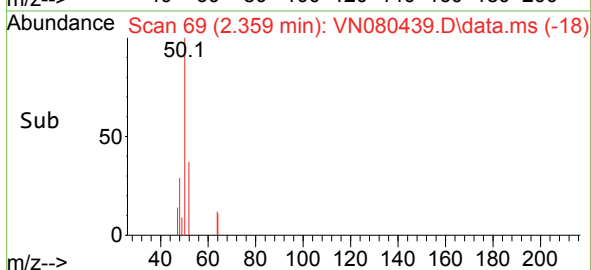
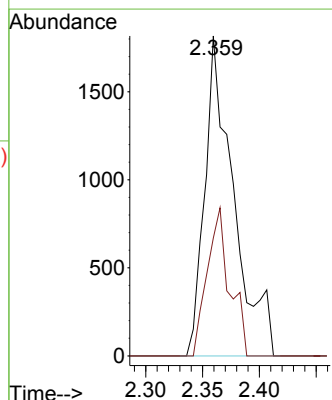
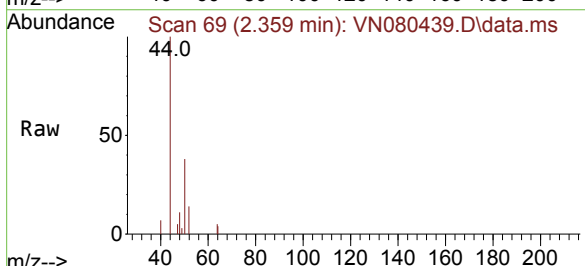
Acq: 12 Dec 2023 15:52

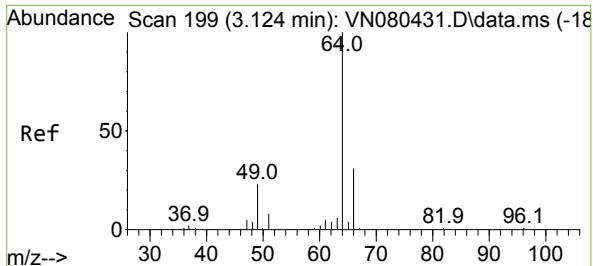
Tgt Ion: 50 Resp: 3189

Ion Ratio Lower Upper

50 100

52 36.8 26.5 39.7

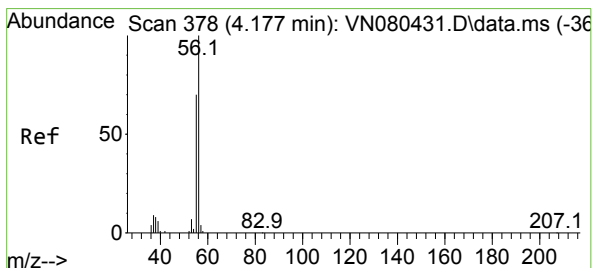
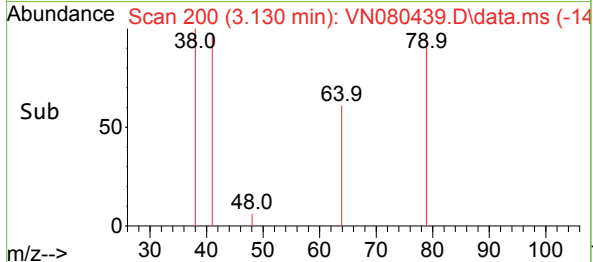
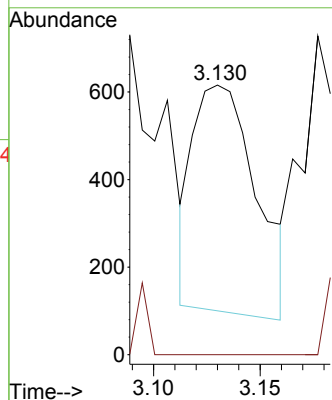
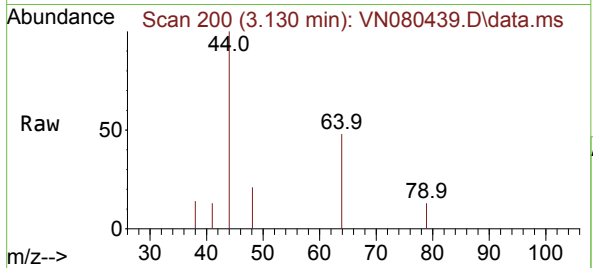




#6
Chloroethane
Concen: 0.643 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

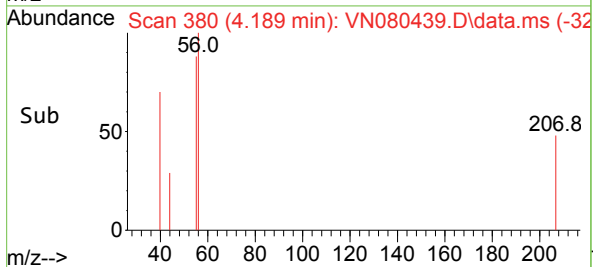
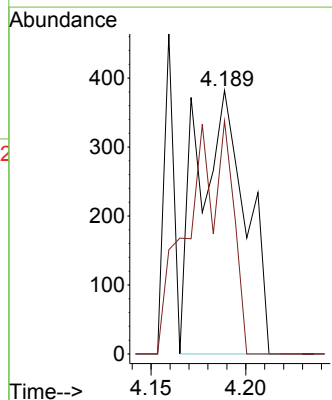
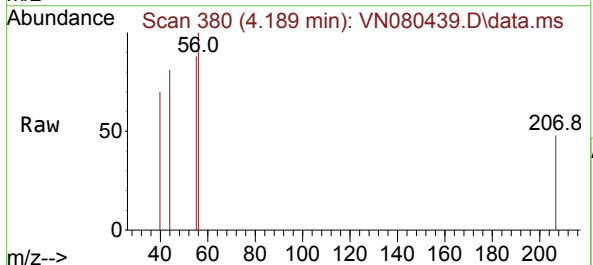
Instrument :
MSVOA_N
ClientSampleId :

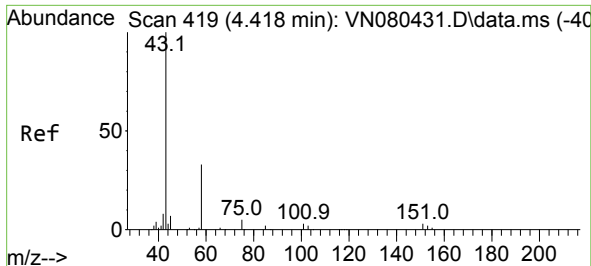
Tgt Ion: 64 Resp: 1066
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 1.725 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

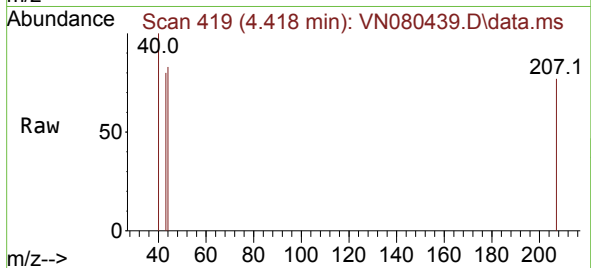
Tgt Ion: 56 Resp: 672
Ion Ratio Lower Upper
56 100
55 79.9 54.5 81.7



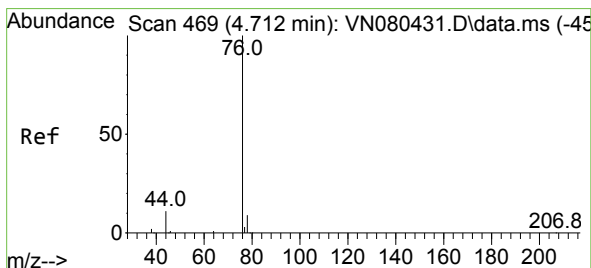
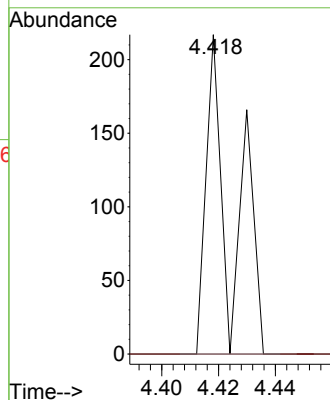
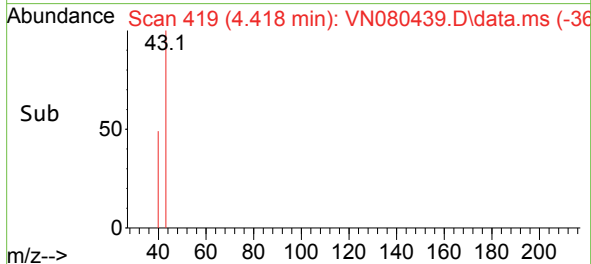


#16
Acetone
Concen: 0.252 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

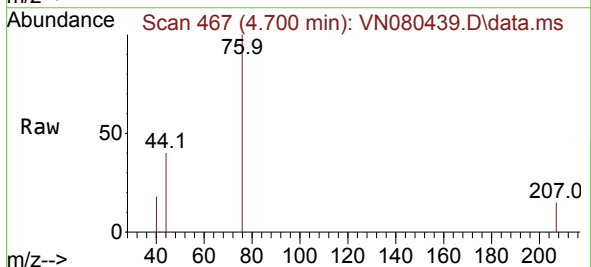
Instrument :
MSVOA_N
ClientSampleId :



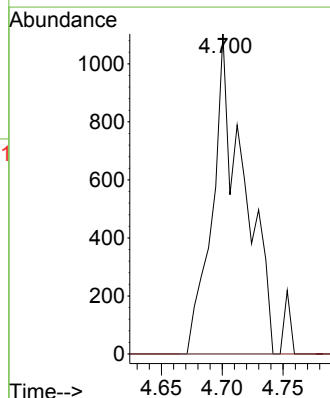
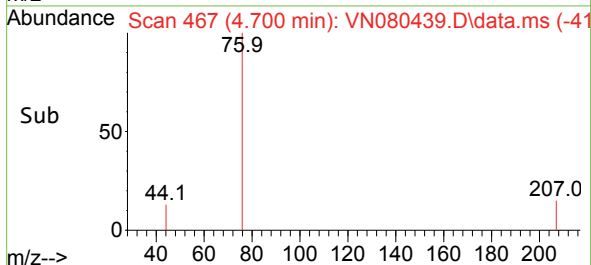
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

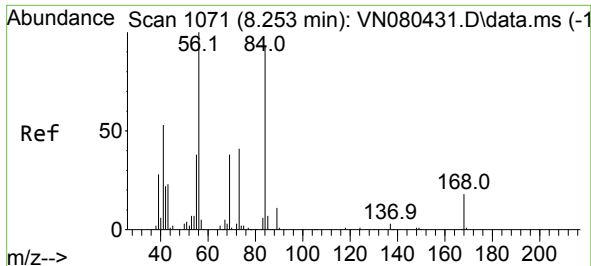


#17
Carbon Disulfide
Concen: 0.275 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52



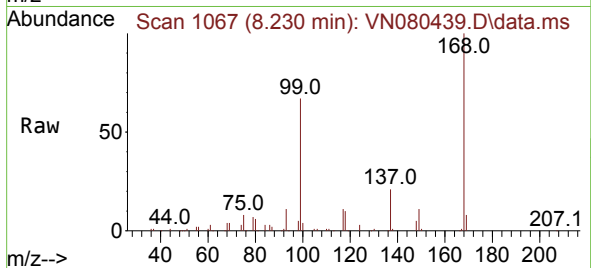
Tgt Ion: 76 Resp: 1983
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



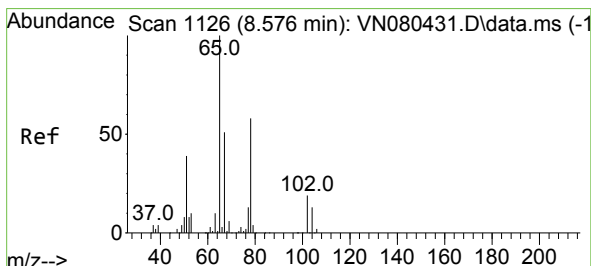
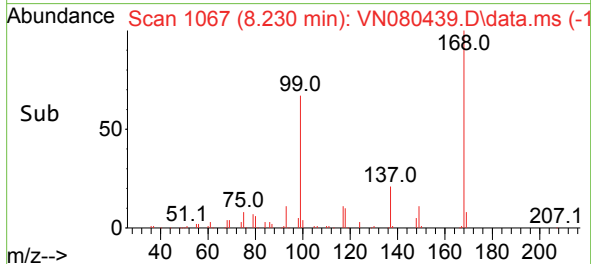
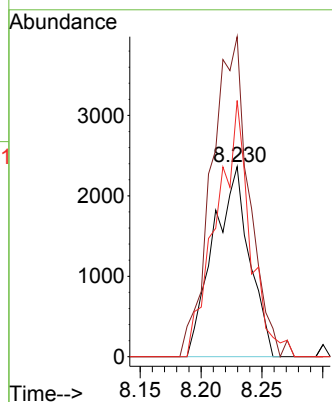


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Instrument :
MSVOA_N
ClientSampleId :

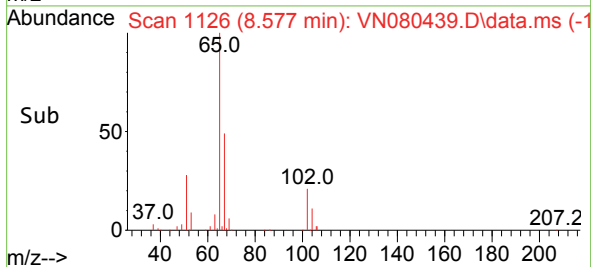
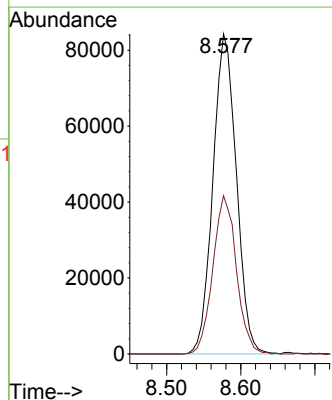
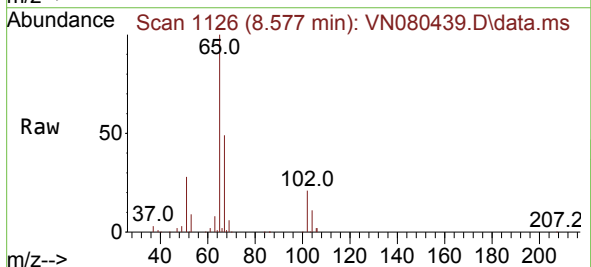


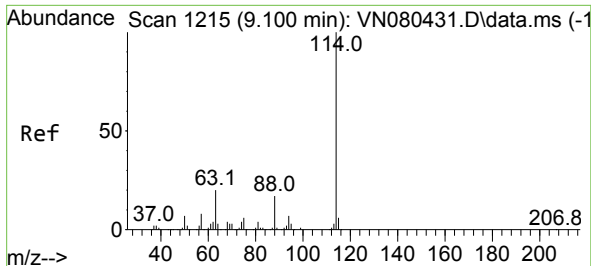
Tgt Ion: 56 Resp: 4885
Ion Ratio Lower Upper
56 100
69 168.3 26.8 40.2#
84 134.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 61.287 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Tgt Ion: 65 Resp: 185103
Ion Ratio Lower Upper
65 100
67 49.7 0.0 106.6

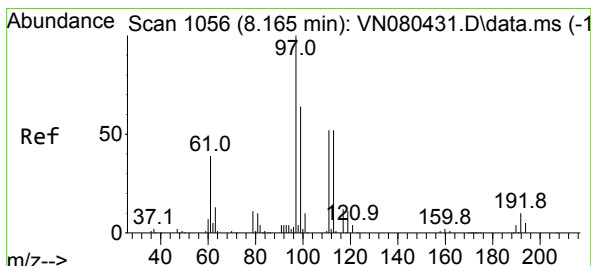
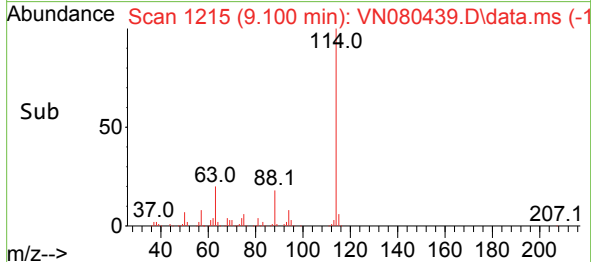
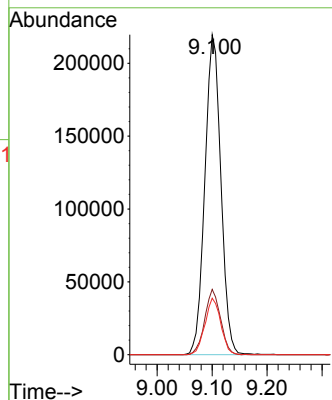
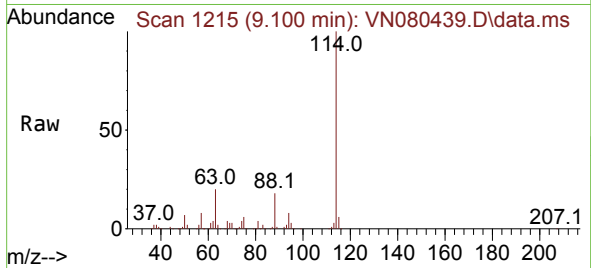




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

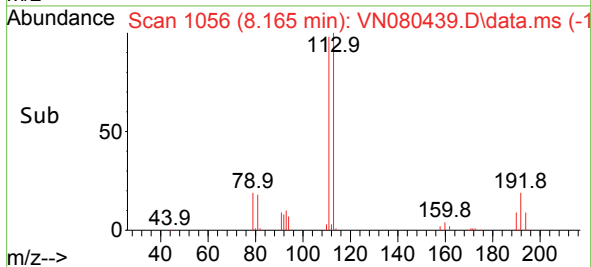
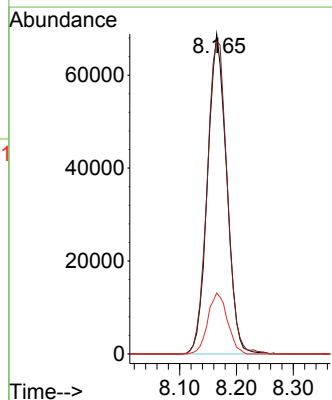
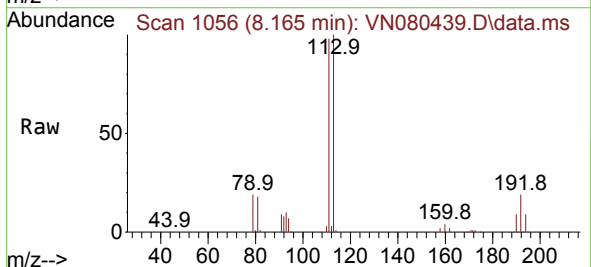
Instrument :
MSVOA_N
ClientSampleId :

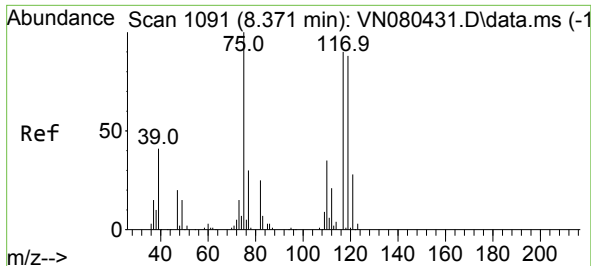
Tgt Ion:114 Resp: 444606
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 57.005 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

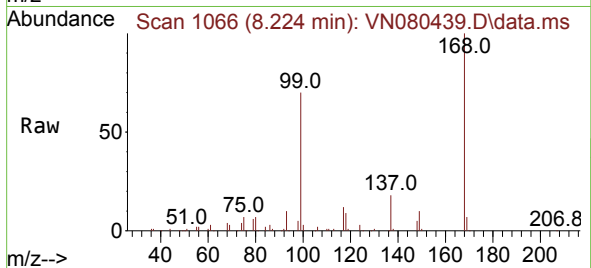
Tgt Ion:113 Resp: 160695
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.5 12.7 19.1#



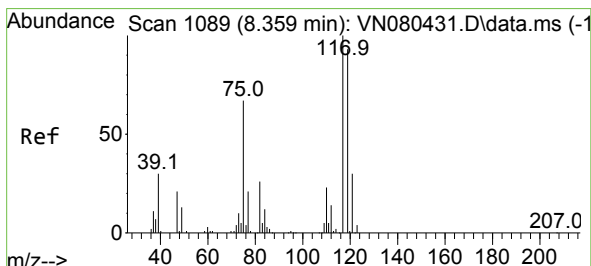
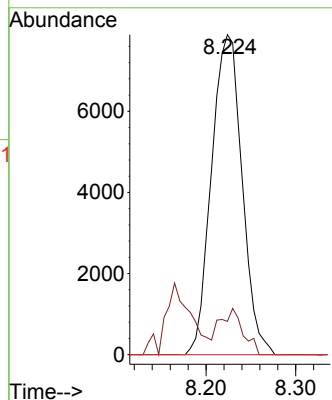
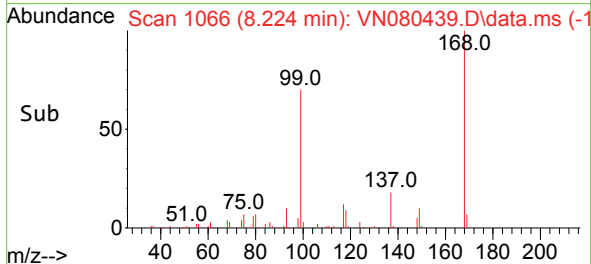


#36
1,1-Dichloropropene
Concen: 4.044 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

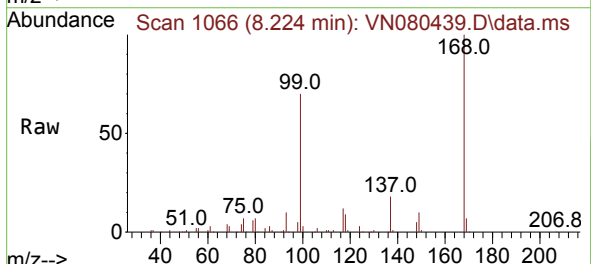
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MSVOA_N
ClientSampleId :



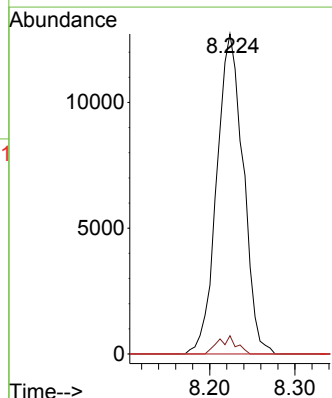
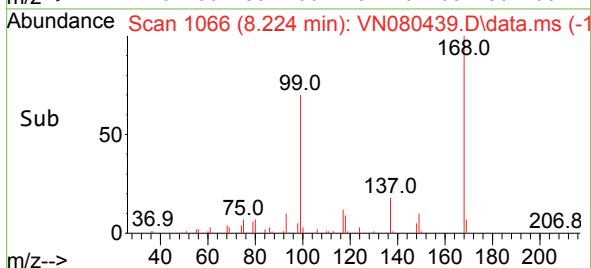
Tgt Ion: 75 Resp: 18641
Ion Ratio Lower Upper
75 100
110 11.0 19.1 57.3#
77 0.0 25.0 37.4#

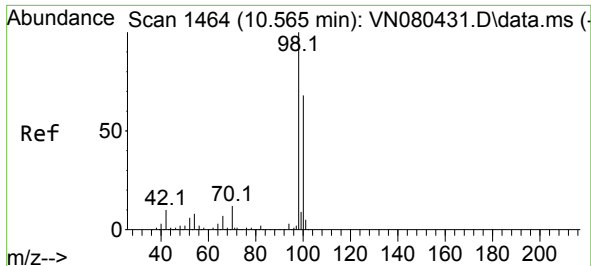


#38
Carbon Tetrachloride
Concen: 4.989 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52



Tgt Ion: 117 Resp: 27475
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#

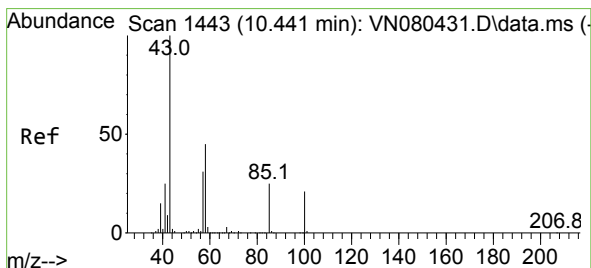
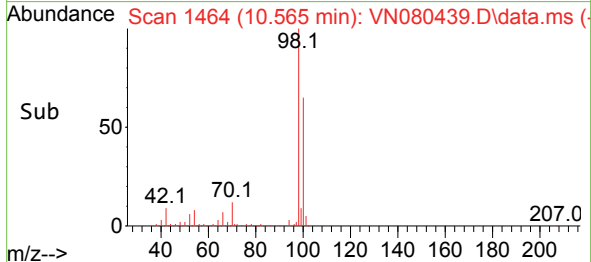
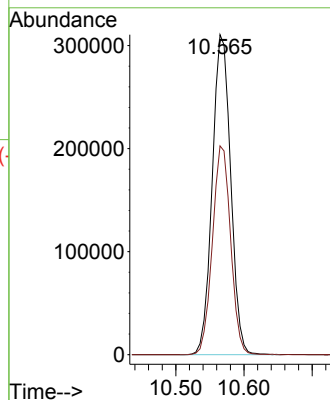
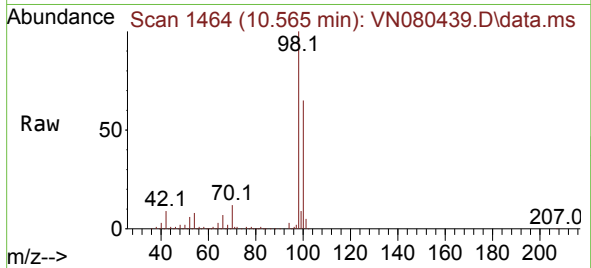




#50
Toluene-d8
Concen: 55.536 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

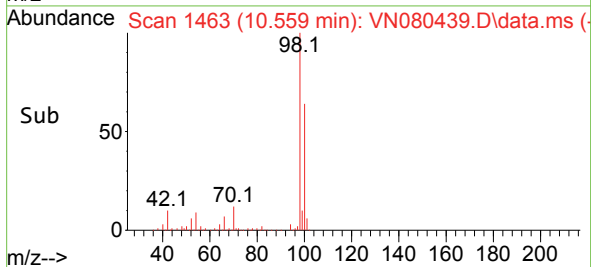
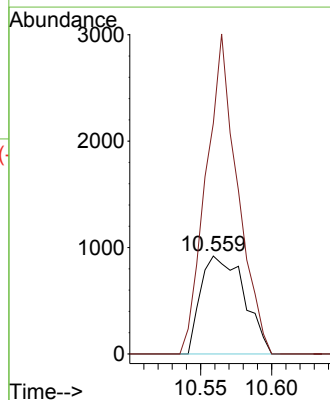
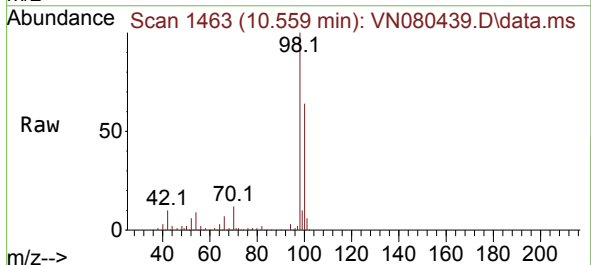
Instrument :
MSVOA_N
ClientSampleId :

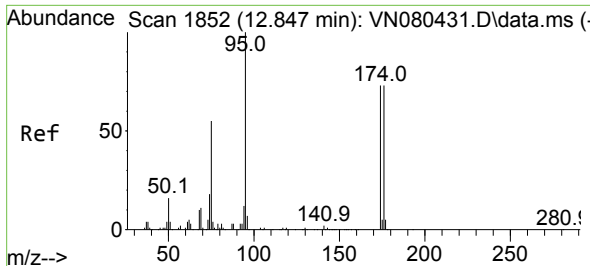
Tgt Ion: 98 Resp: 583870
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.118 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Tgt Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 237.5 36.6 54.8#

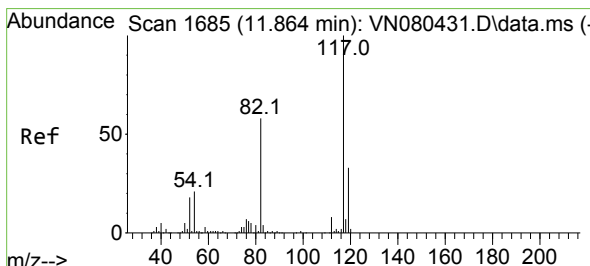
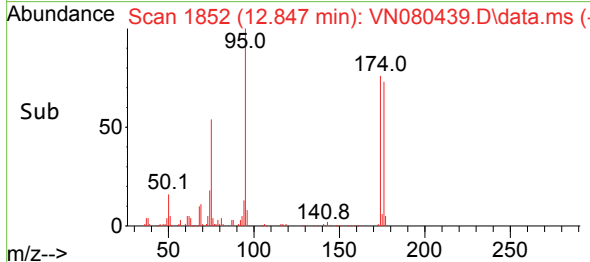
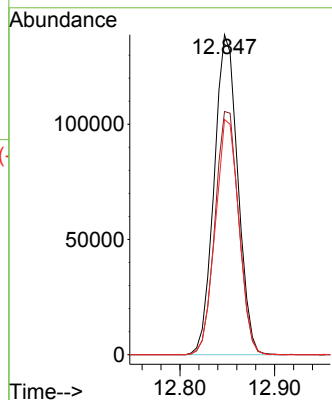
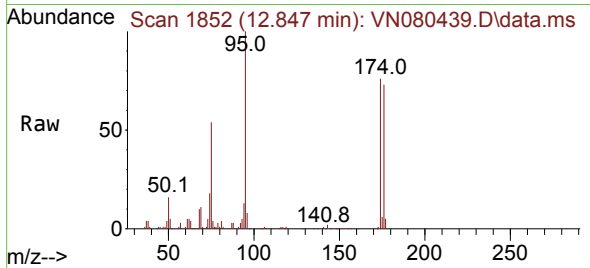




#62
4-Bromofluorobenzene
Concen: 60.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

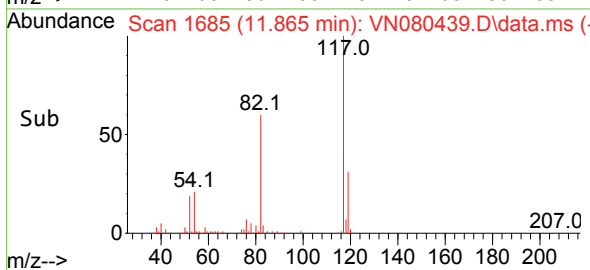
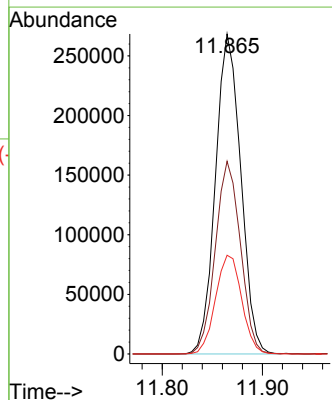
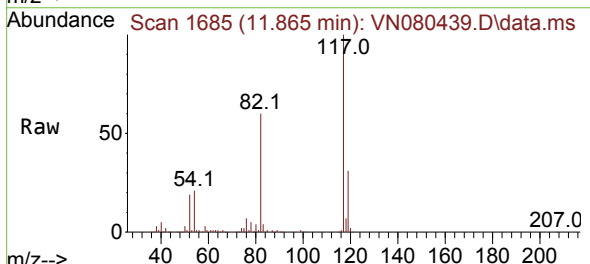
Instrument :
MSVOA_N
ClientSampleId :

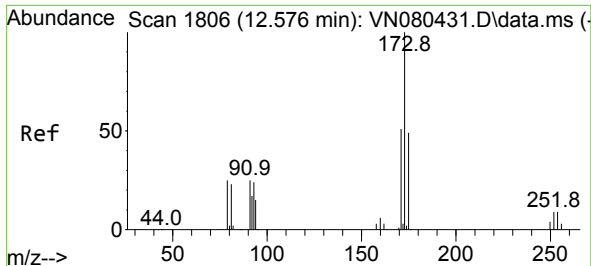
Tgt Ion: 95 Resp: 241235
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Tgt Ion: 117 Resp: 470948
Ion Ratio Lower Upper
117 100
82 60.1 44.0 66.0
119 30.8 25.6 38.4

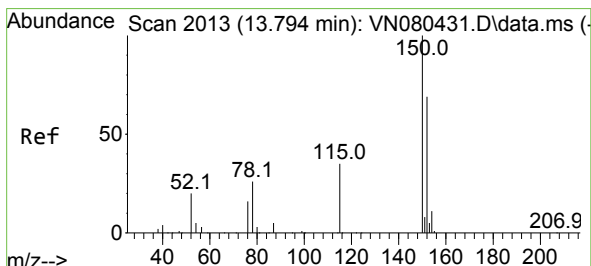
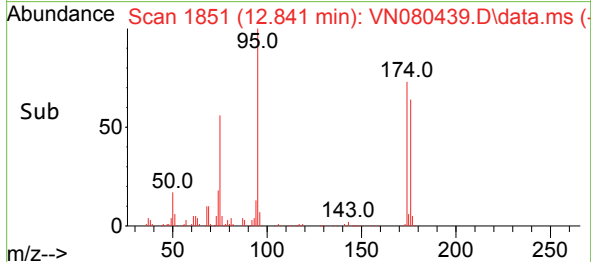
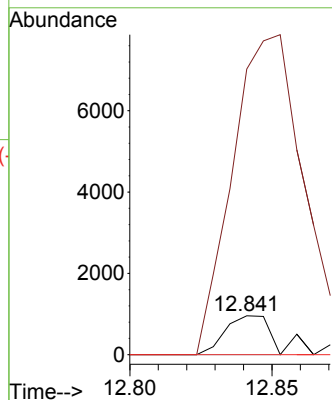
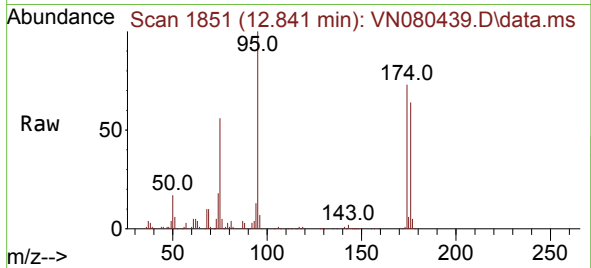




#71
Bromoform
Concen: 0.336 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

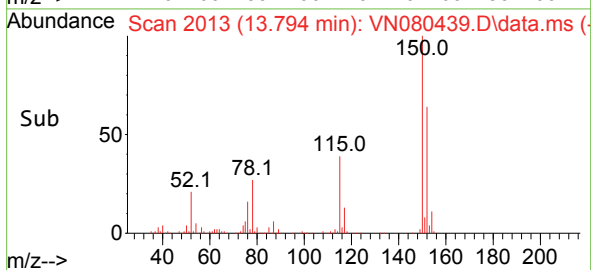
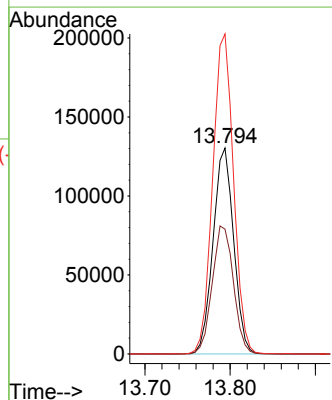
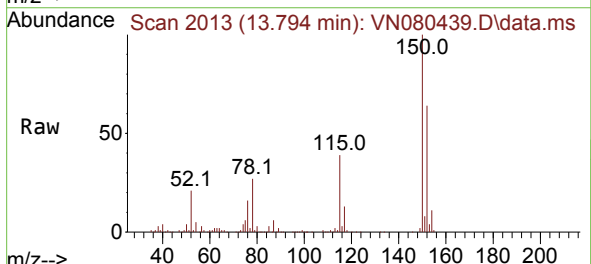
Instrument :
MSVOA_N
ClientSampleId :

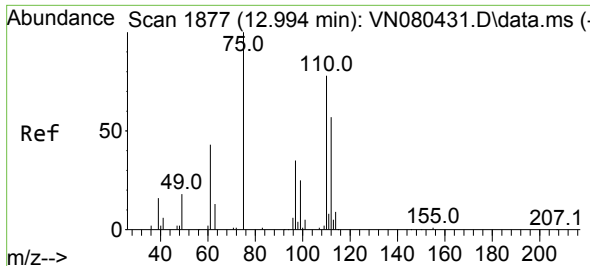
Tgt Ion:173 Resp: 1008
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Tgt Ion:152 Resp: 218740
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 156.9 0.0 355.8

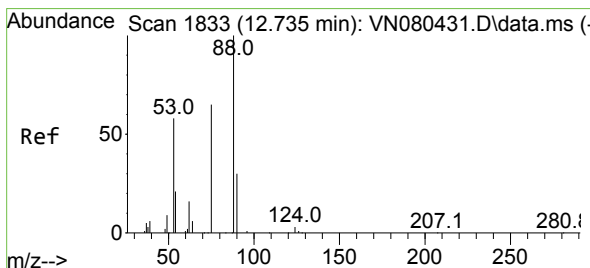
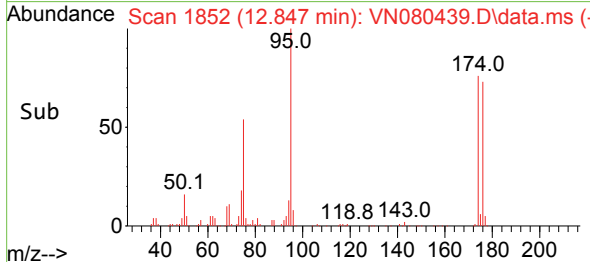
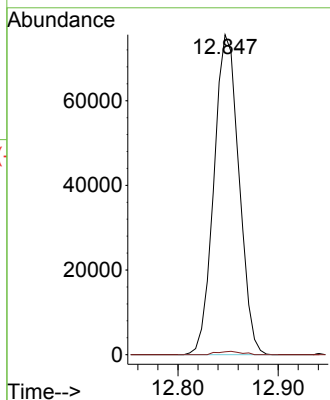
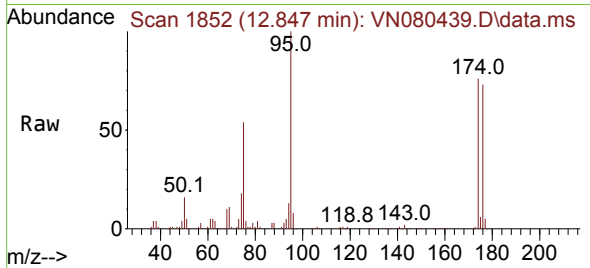




#76
1,2,3-Trichloropropane
Concen: 30.013 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

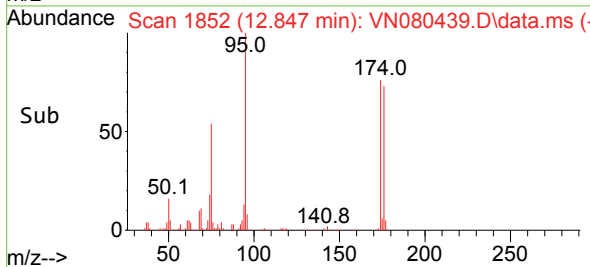
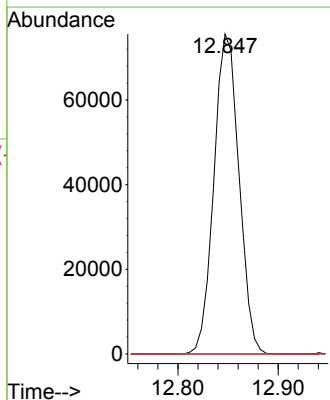
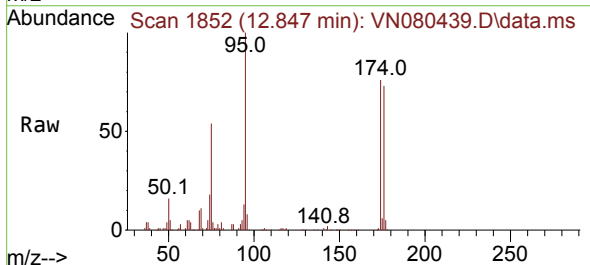
Instrument :
MSVOA_N
ClientSampleId :

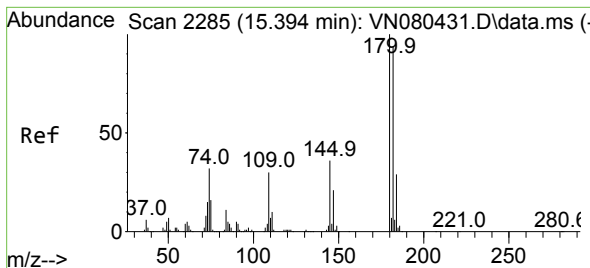
Tgt Ion: 75 Resp: 130971
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.802 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080439.D
Acq: 12 Dec 2023 15:52

Tgt Ion: 75 Resp: 130971
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

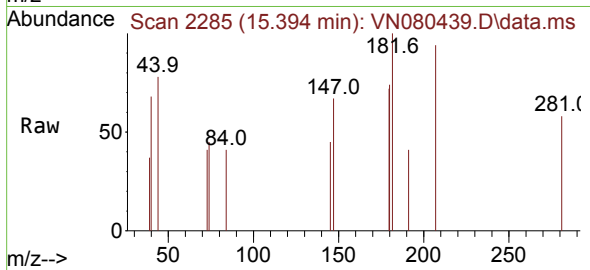
Lab File: VN080439.D

Acq: 12 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :



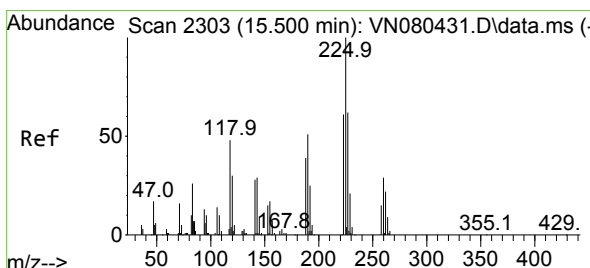
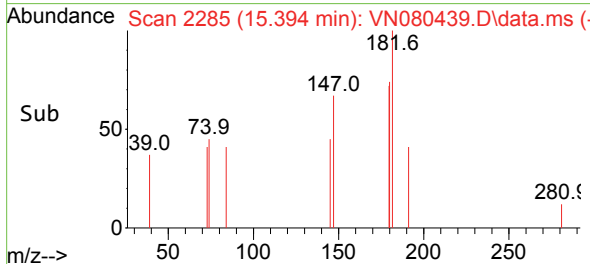
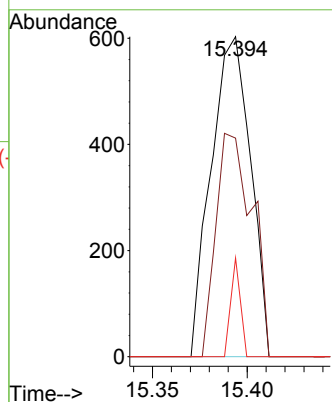
Tgt Ion:180 Resp: 876

Ion Ratio Lower Upper

180 100

182 63.9 46.1 138.2

145 7.5 16.6 49.8#



#94

Hexachlorobutadiene

Concen: 0.556 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN080439.D

Acq: 12 Dec 2023 15:52

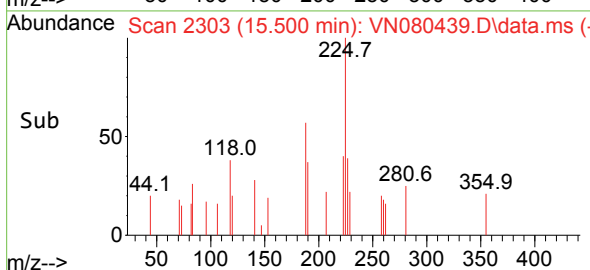
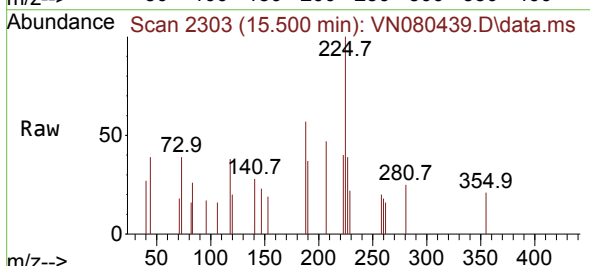
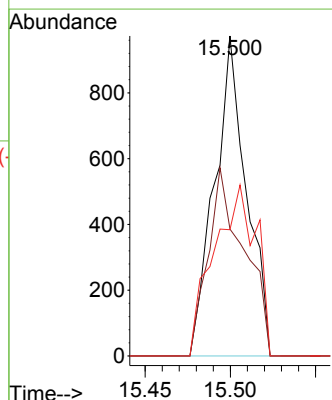
Tgt Ion:225 Resp: 1272

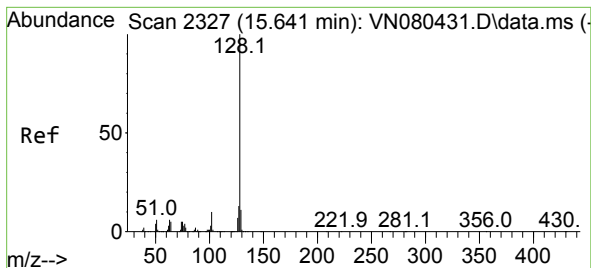
Ion Ratio Lower Upper

225 100

223 65.6 31.3 93.8

227 70.7 31.9 95.9





#95

Naphthalene

Concen: 0.218 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080439.D

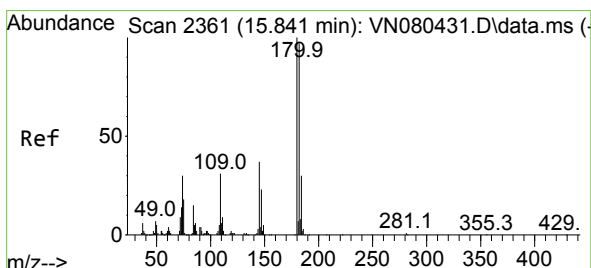
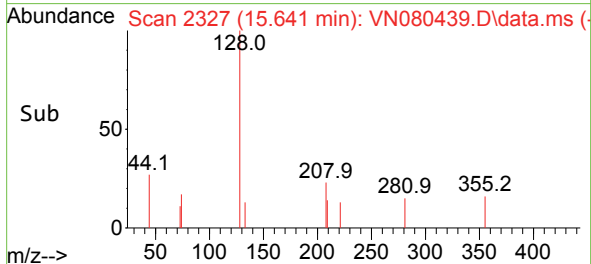
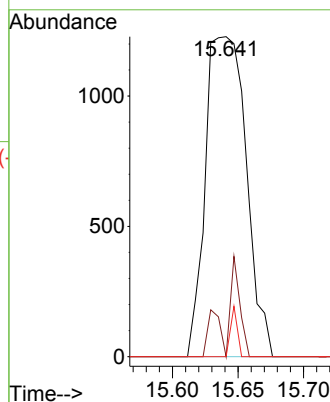
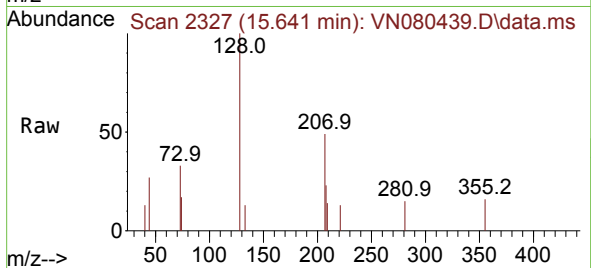
Acq: 12 Dec 2023 15:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	2657
Ion Ratio	Lower	Upper
128	100	
127	11.5	10.0 15.0
129	2.6	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.201 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080439.D

Acq: 12 Dec 2023 15:52

Tgt Ion:180	Resp:	779
Ion Ratio	Lower	Upper
180	100	
182	78.8	46.2 138.6
145	9.4	17.5 52.6#

