

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079559.D
 Acq On : 12 Oct 2023 20:47
 Operator : JC\MD
 Sample : 04880-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:26:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	240858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	493760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	459586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146127	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212121	54.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.640%
35) Dibromofluoromethane	8.171	113	185727	52.342	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.680%
50) Toluene-d8	10.571	98	574222	44.725	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.853	95	187612	45.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.060%

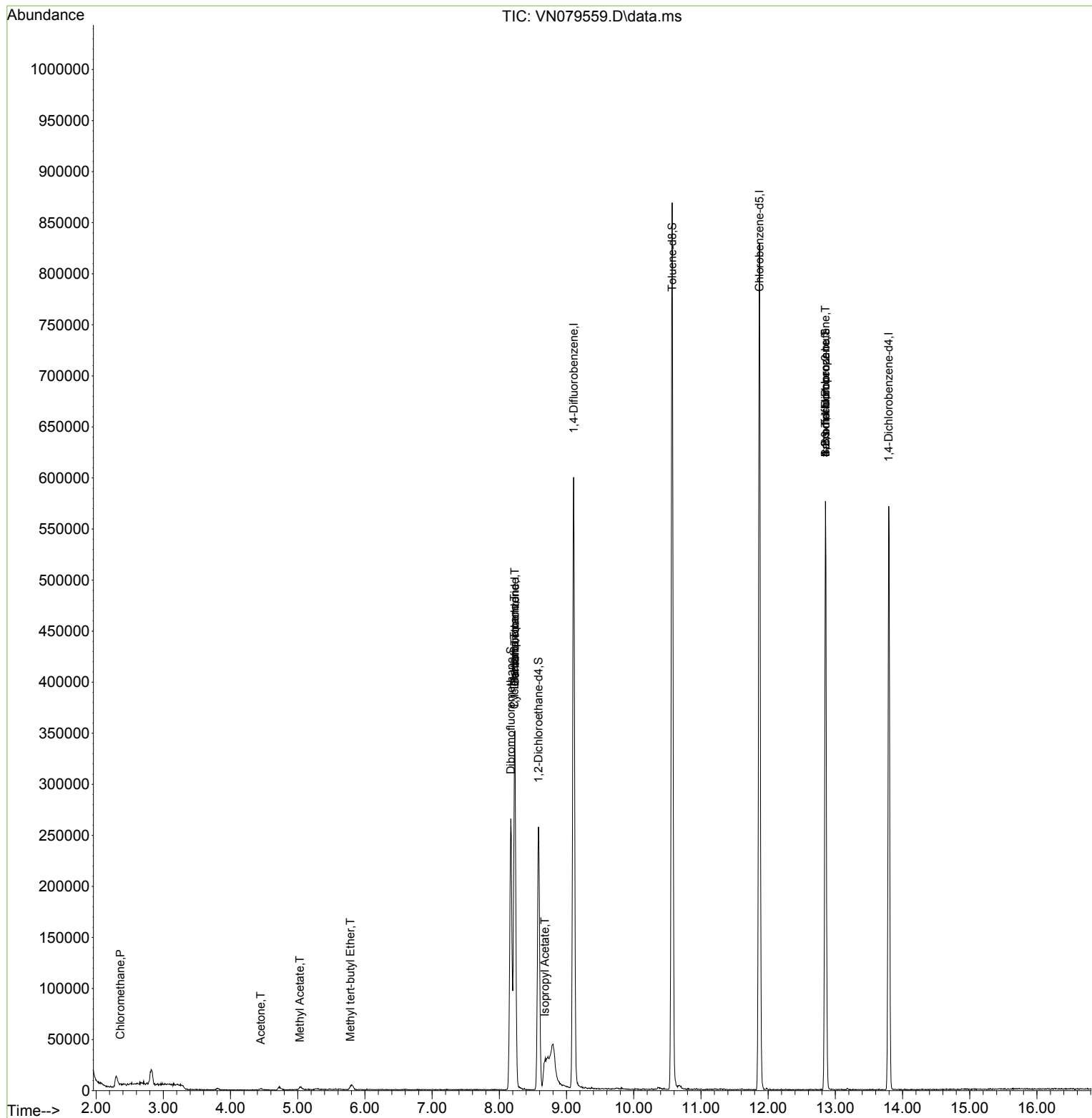
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	864	0.201	ug/l #	72
16) Acetone	4.448	43	1778	1.148	ug/l	88
18) Methyl Acetate	5.030	43	2304	0.304	ug/l	94
19) Methyl tert-butyl Ether	5.783	73	2728	0.295	ug/l	96
20) Methylene Chloride	5.265	84	922	Below Cal	#	40
31) Cyclohexane	8.224	56	6987	1.261	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	22990	4.317	ug/l #	47
38) Carbon Tetrachloride	8.230	117	26956	5.056	ug/l #	13
43) Isopropyl Acetate	8.677	43	16785	1.808	ug/l #	53
71) Bromoform	12.853	173	1988	0.725	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.841	83	60	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	103299	24.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103299	71.139	ug/l #	15

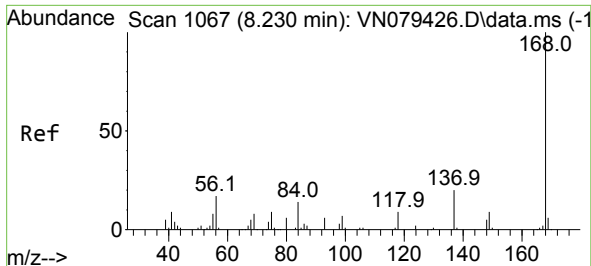
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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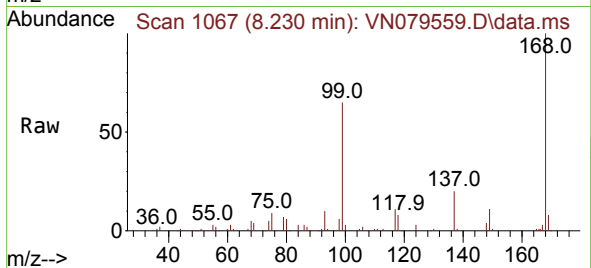
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



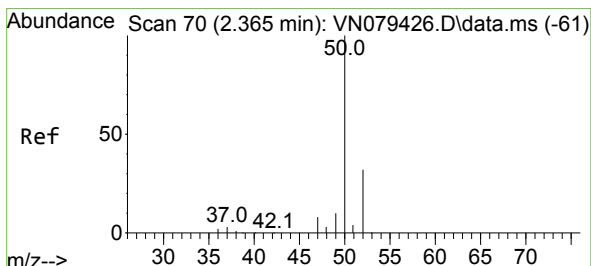
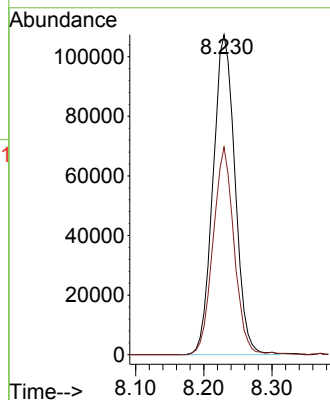
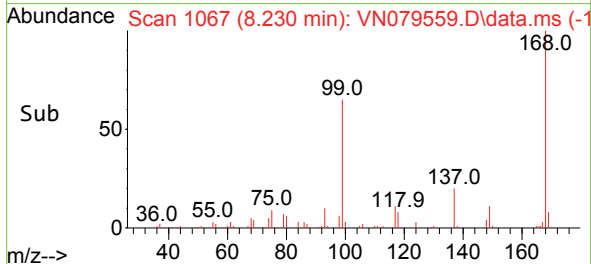


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Instrument :
MSVOA_N
ClientSampleId :

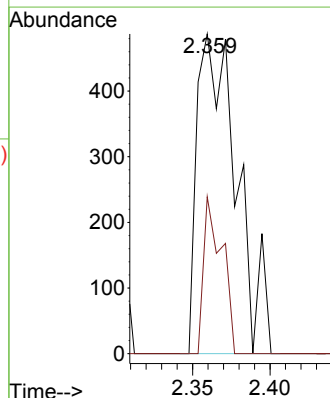
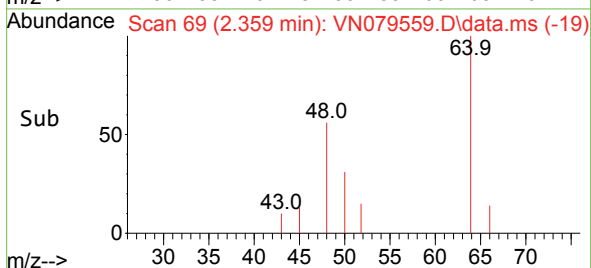
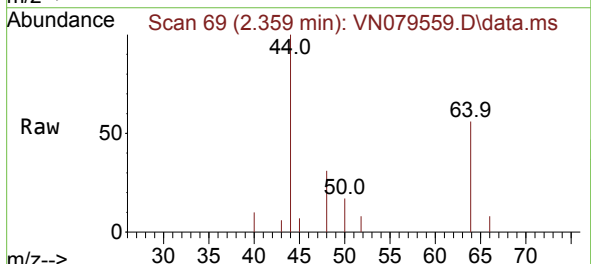


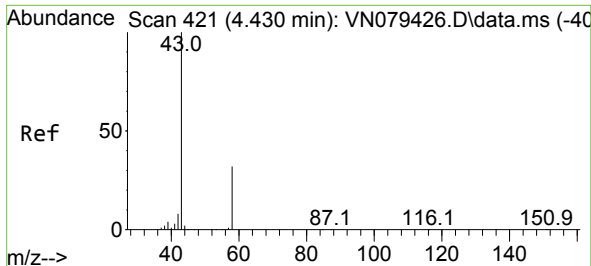
Tgt Ion:168 Resp: 240858
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 50 Resp: 864
Ion Ratio Lower Upper
50 100
52 49.1 26.5 39.7#

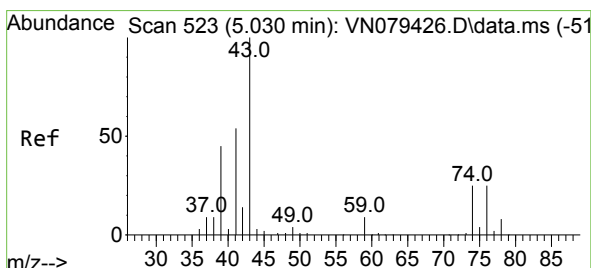
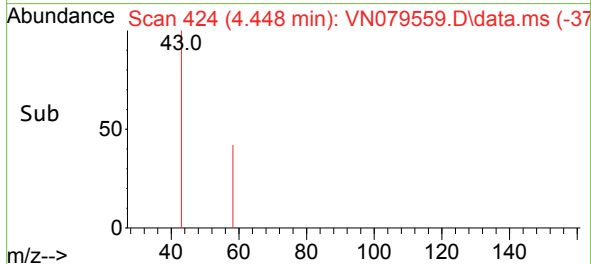
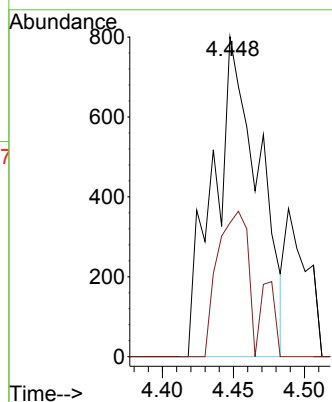
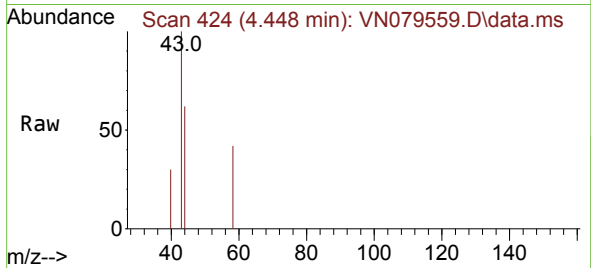




#16
Acetone
Concen: 1.148 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

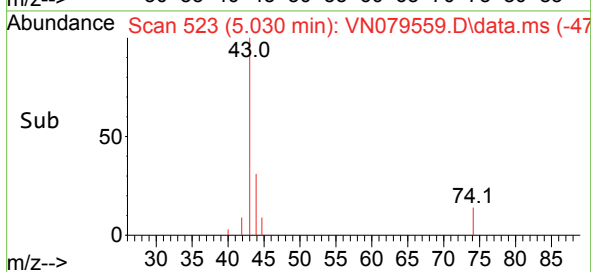
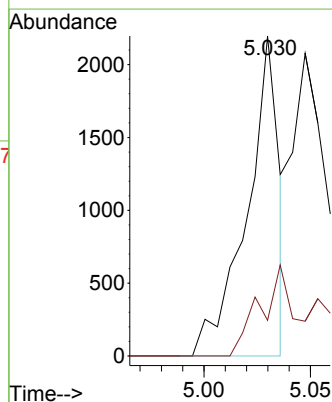
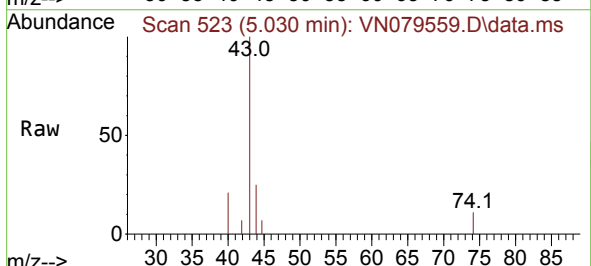
Instrument :
MSVOA_N
ClientSampleId :

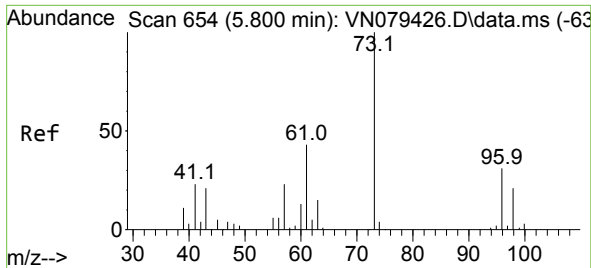
Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
58 41.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.304 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
74 29.5 26.2 39.4

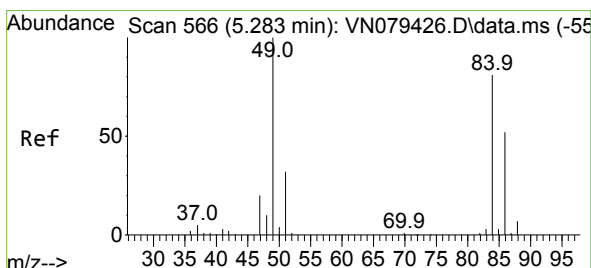
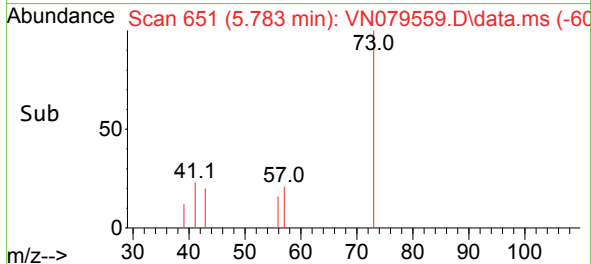
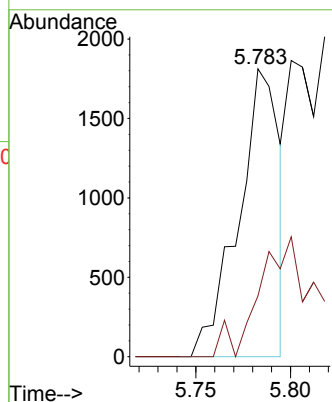
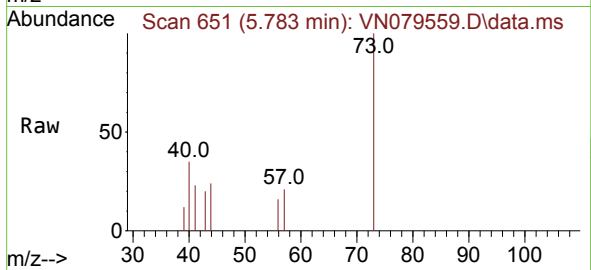




#19
Methyl tert-butyl Ether
Concen: 0.295 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

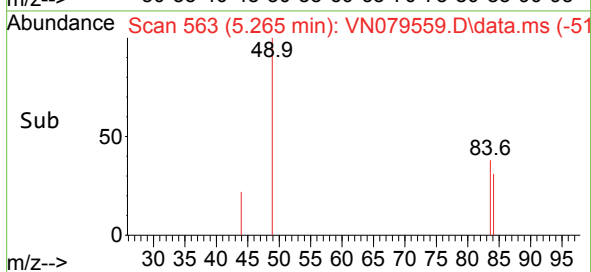
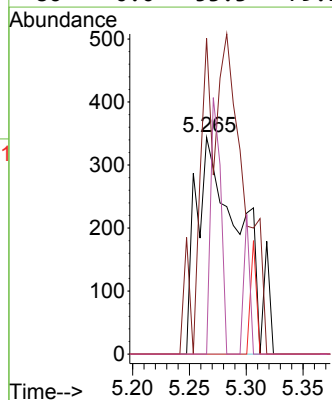
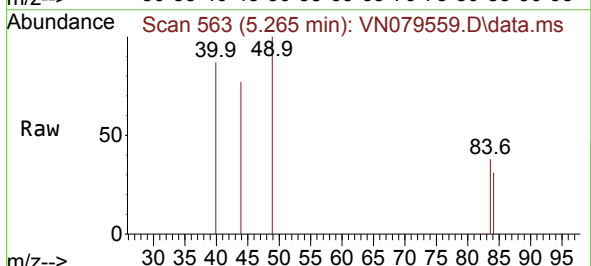
Instrument :
MSVOA_N
ClientSampleId :

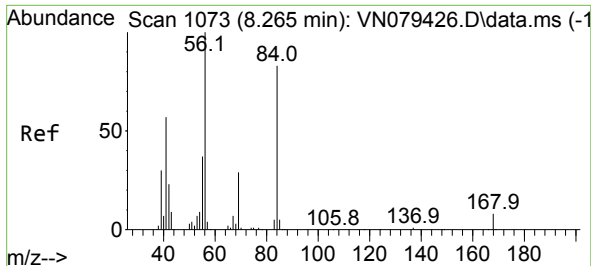
Tgt Ion: 73 Resp: 2728
Ion Ratio Lower Upper
73 100
57 21.1 15.6 23.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

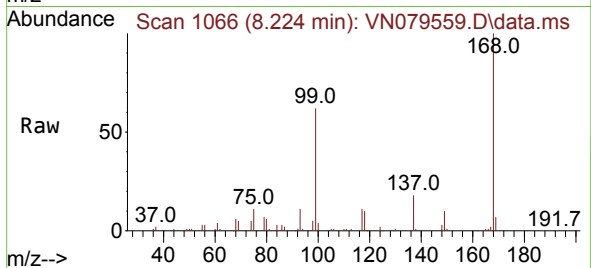
Tgt Ion: 84 Resp: 922
Ion Ratio Lower Upper
84 100
49 145.6 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#



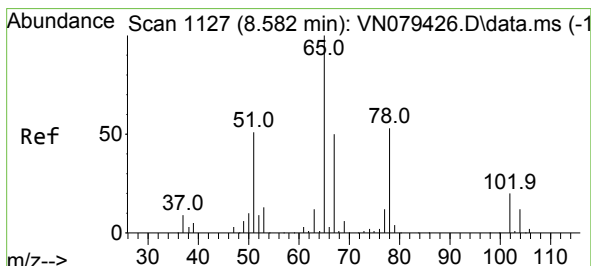
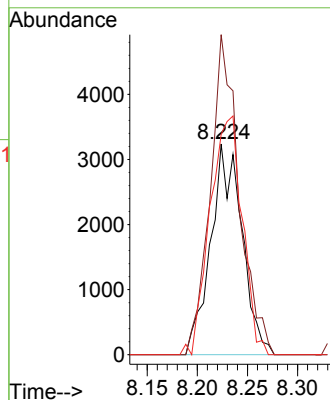
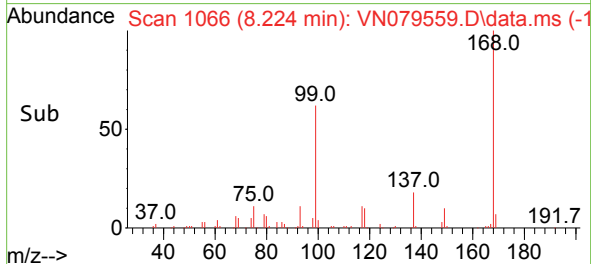


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Instrument :
MSVOA_N
ClientSampleId :

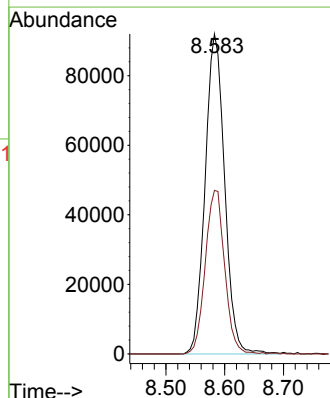
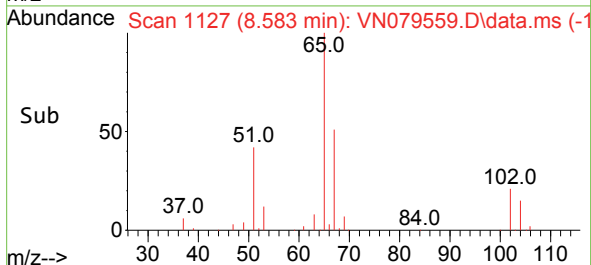
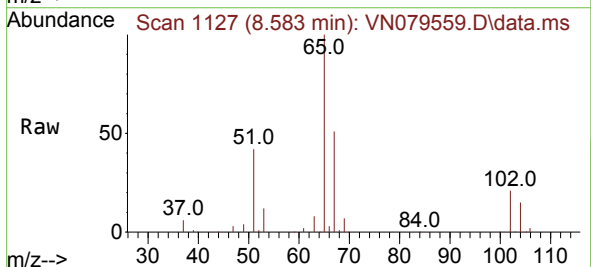


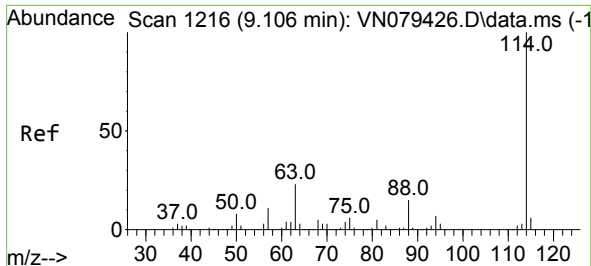
Tgt Ion: 56 Resp: 6987
Ion Ratio Lower Upper
56 100
69 151.8 26.8 40.2#
84 104.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.316 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 65 Resp: 212121
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079559.D

Acq: 12 Oct 2023 20:47

Instrument :

MSVOA_N

ClientSampleId :

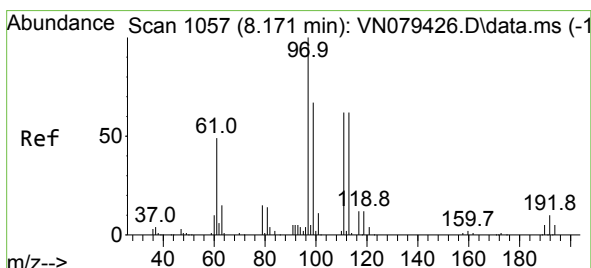
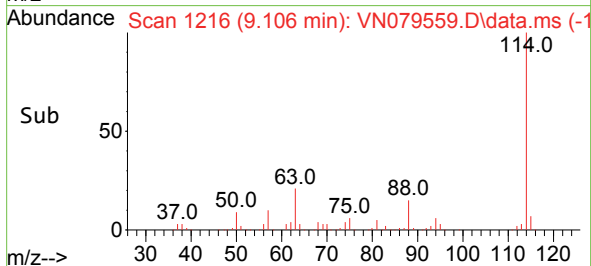
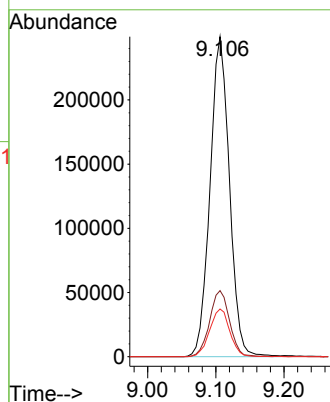
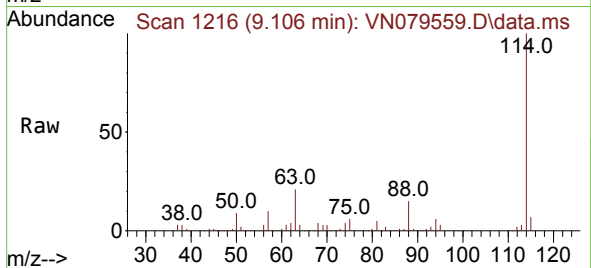
Tgt Ion:114 Resp: 493760

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.342 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079559.D

Acq: 12 Oct 2023 20:47

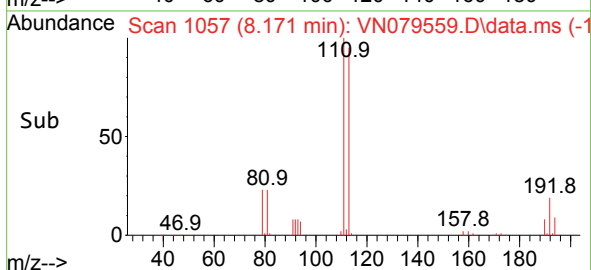
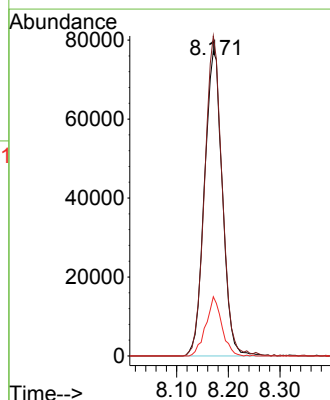
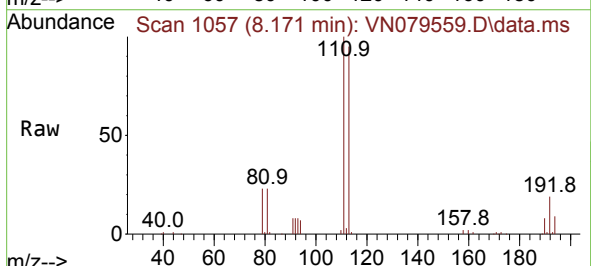
Tgt Ion:113 Resp: 185727

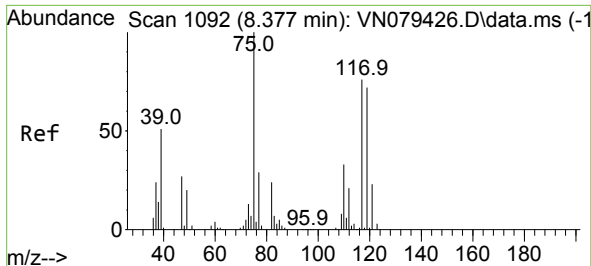
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.3 12.7 19.1

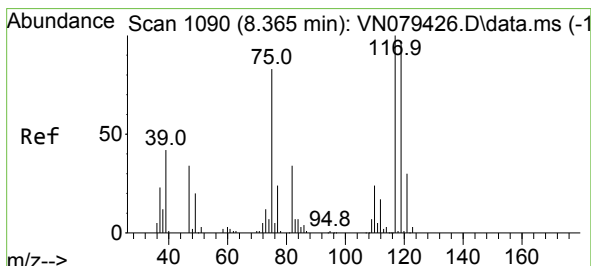
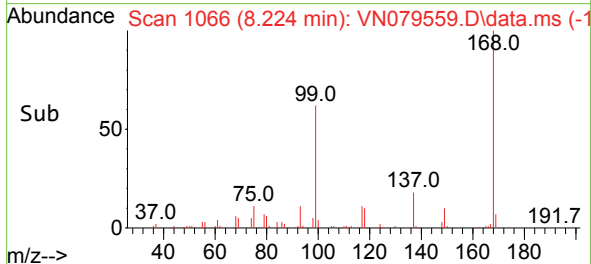
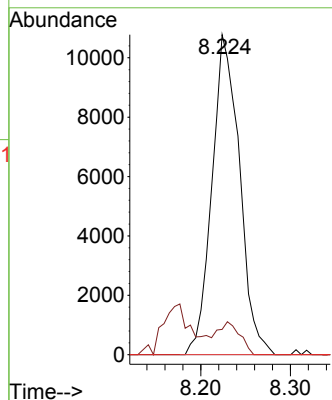
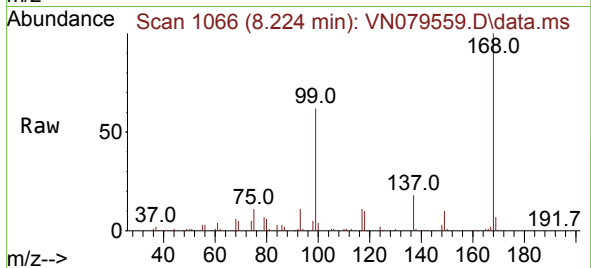




#36
1,1-Dichloropropene
Concen: 4.317 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

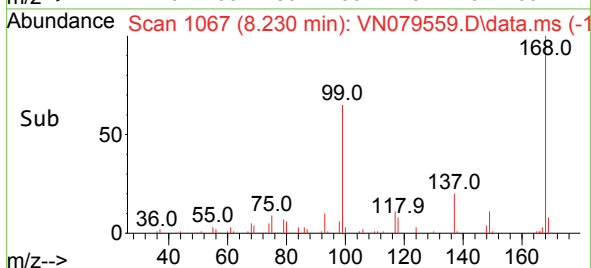
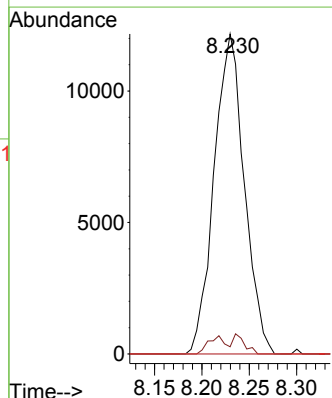
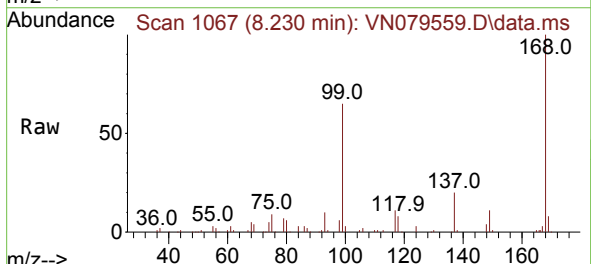
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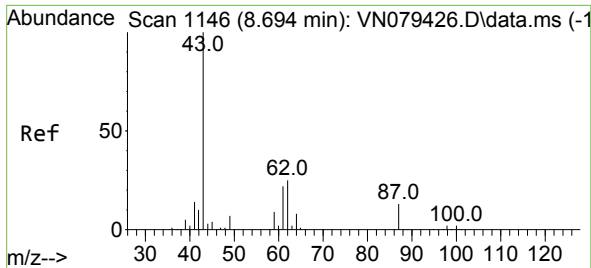
Tgt Ion: 75 Resp: 22990
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.056 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 117 Resp: 26956
Ion Ratio Lower Upper
117 100
119 2.3 77.3 115.9#
121 0.0 23.3 34.9#

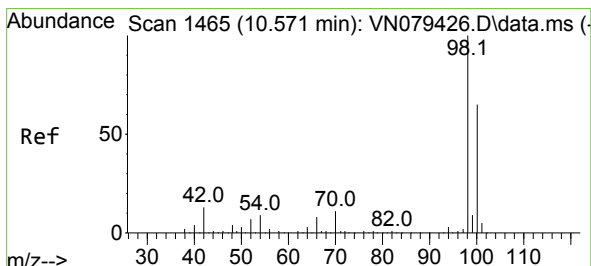
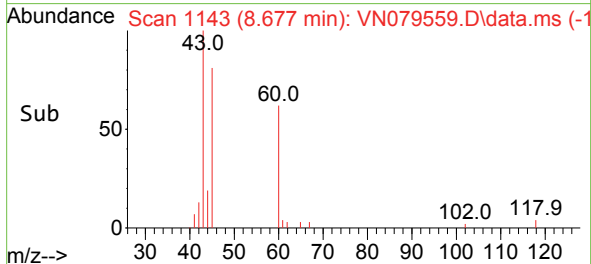
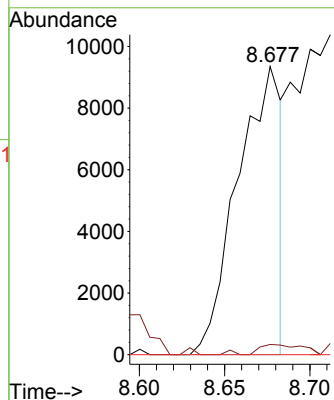
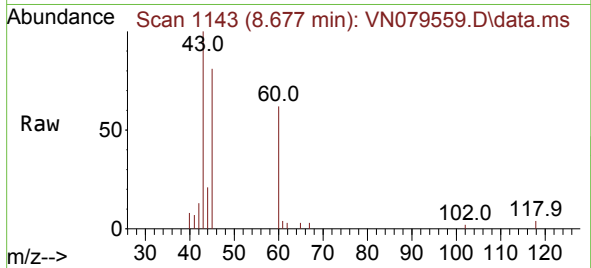




#43
Isopropyl Acetate
Concen: 1.808 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

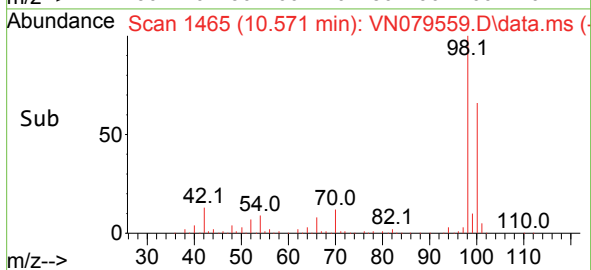
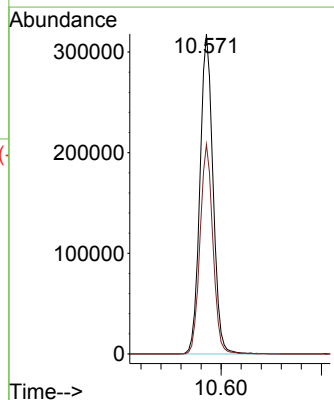
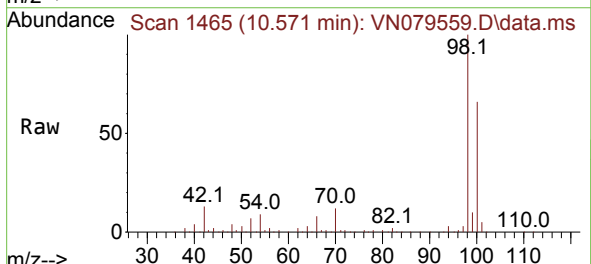
Instrument :
MSVOA_N
ClientSampleId :

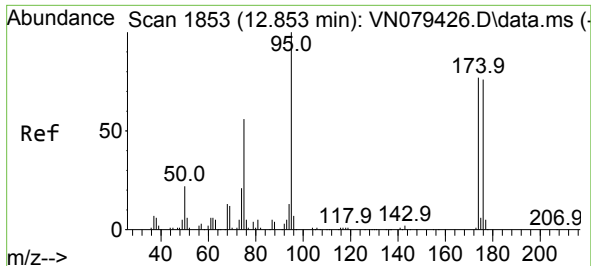
Tgt Ion: 43 Resp: 16785
Ion Ratio Lower Upper
43 100
61 3.4 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.725 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 98 Resp: 574222
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

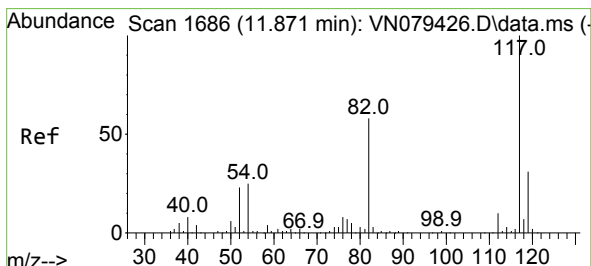
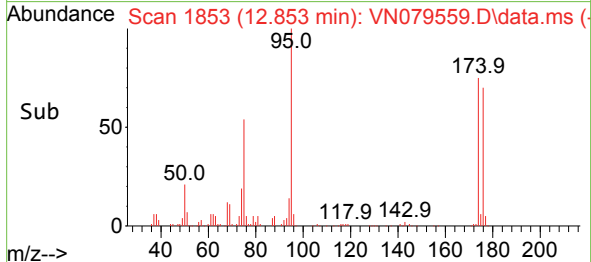
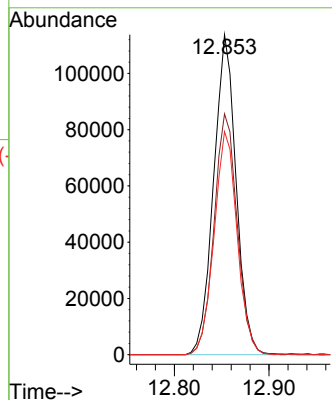
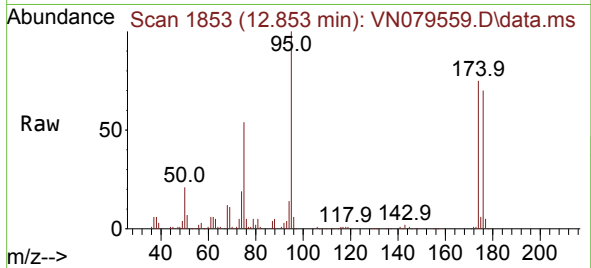




#62
4-Bromofluorobenzene
Concen: 45.534 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

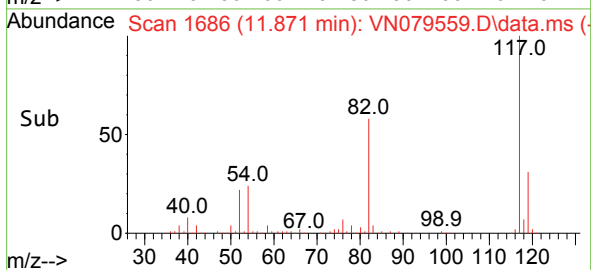
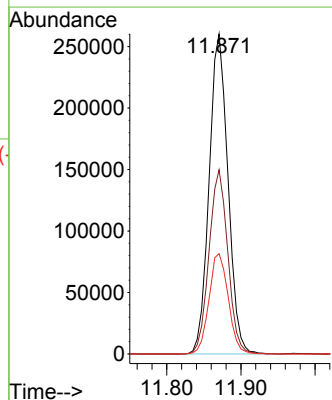
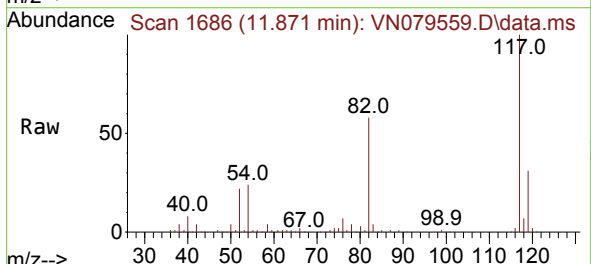
Instrument :
MSVOA_N
ClientSampleId :

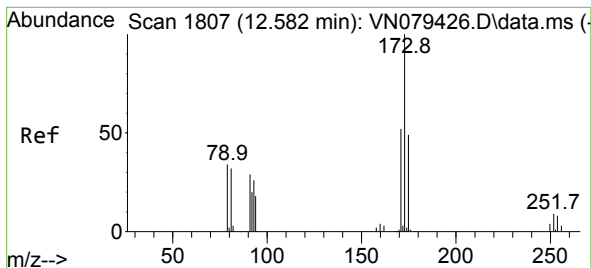
Tgt Ion: 95 Resp: 187612
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 71.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

Tgt Ion: 117 Resp: 459586
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.3 25.6 38.4





#71

Bromoform

Concen: 0.725 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

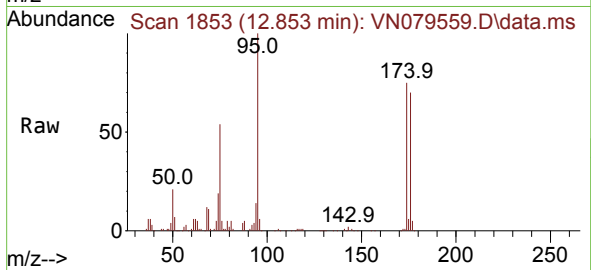
Lab File: VN079559.D

Acq: 12 Oct 2023 20:47

Instrument :

MSVOA_N

ClientSampleId :



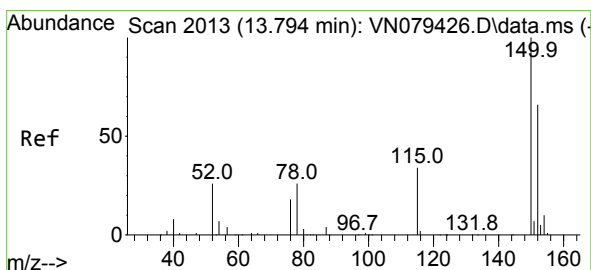
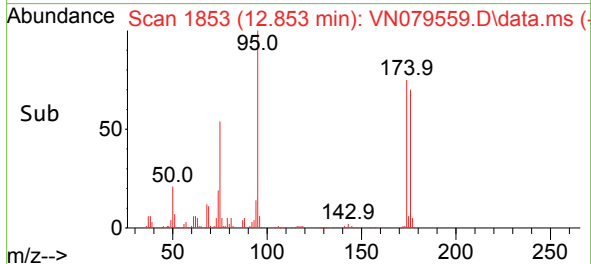
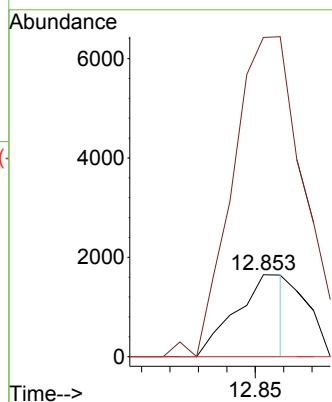
Tgt Ion:173 Resp: 1988

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: VN079559.D

Acq: 12 Oct 2023 20:47

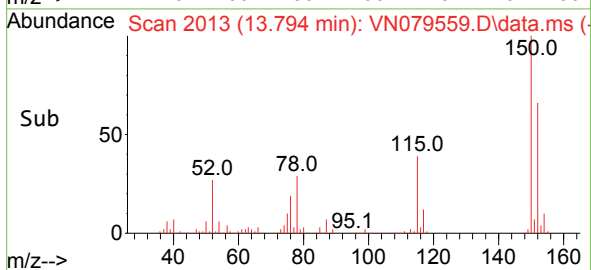
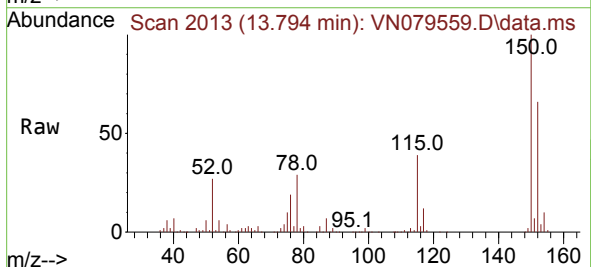
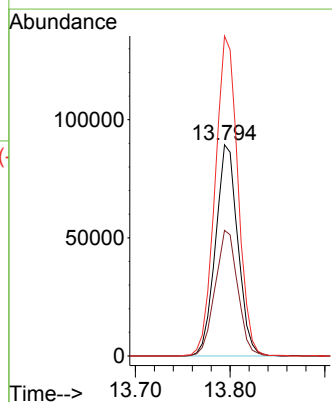
Tgt Ion:152 Resp: 146127

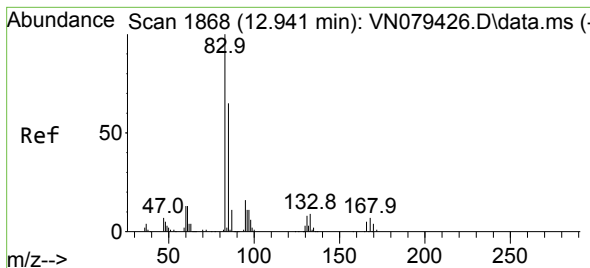
Ion Ratio Lower Upper

152 100

115 60.4 32.3 96.8

150 154.8 0.0 355.8

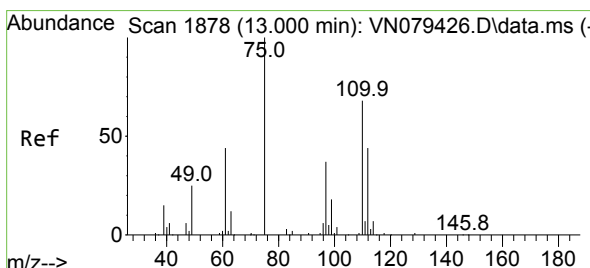
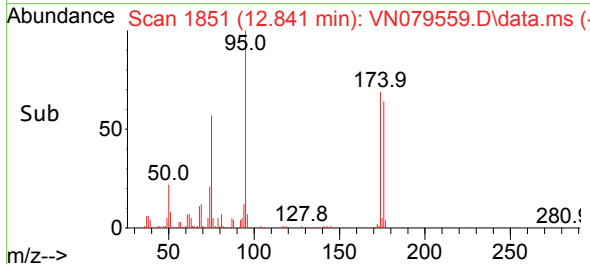
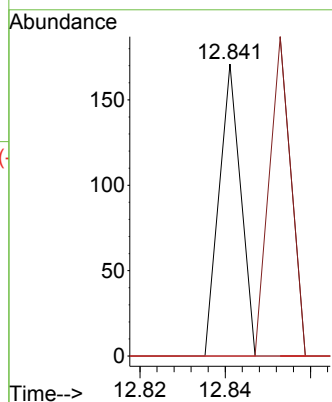
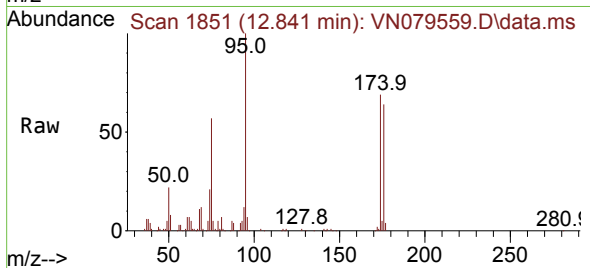




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.841 min Scan# 1851
Delta R.T. -0.100 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

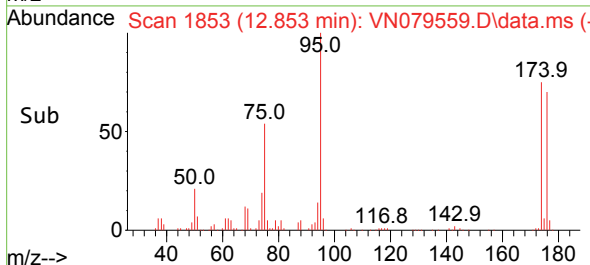
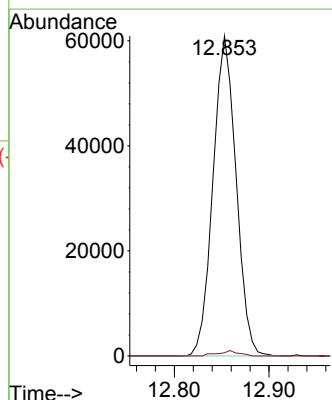
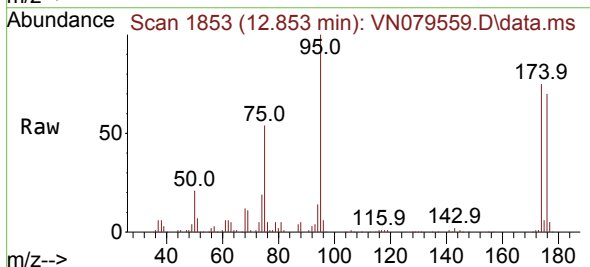
Instrument :
MSVOA_N
ClientSampleId :

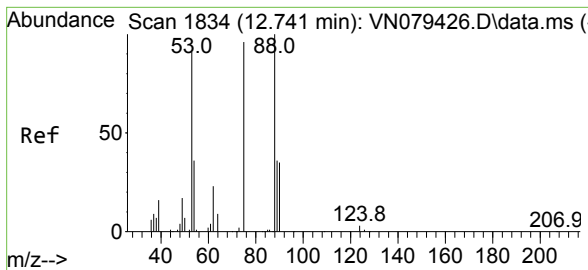
Tgt Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
131 110.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 24.518 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079559.D
Acq: 12 Oct 2023 20:47

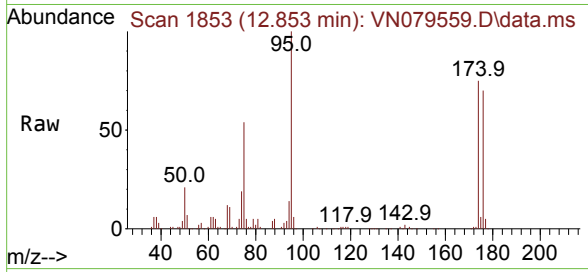
Tgt Ion: 75 Resp: 103299
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.139 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079559.D
 Acq: 12 Oct 2023 20:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 103299
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

