

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103122\
 Data File : VN075089.D
 Acq On : 31 Oct 2022 16:11
 Operator : JC\MD
 Sample : N5378-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20221028

Quant Time: Nov 01 06:19:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

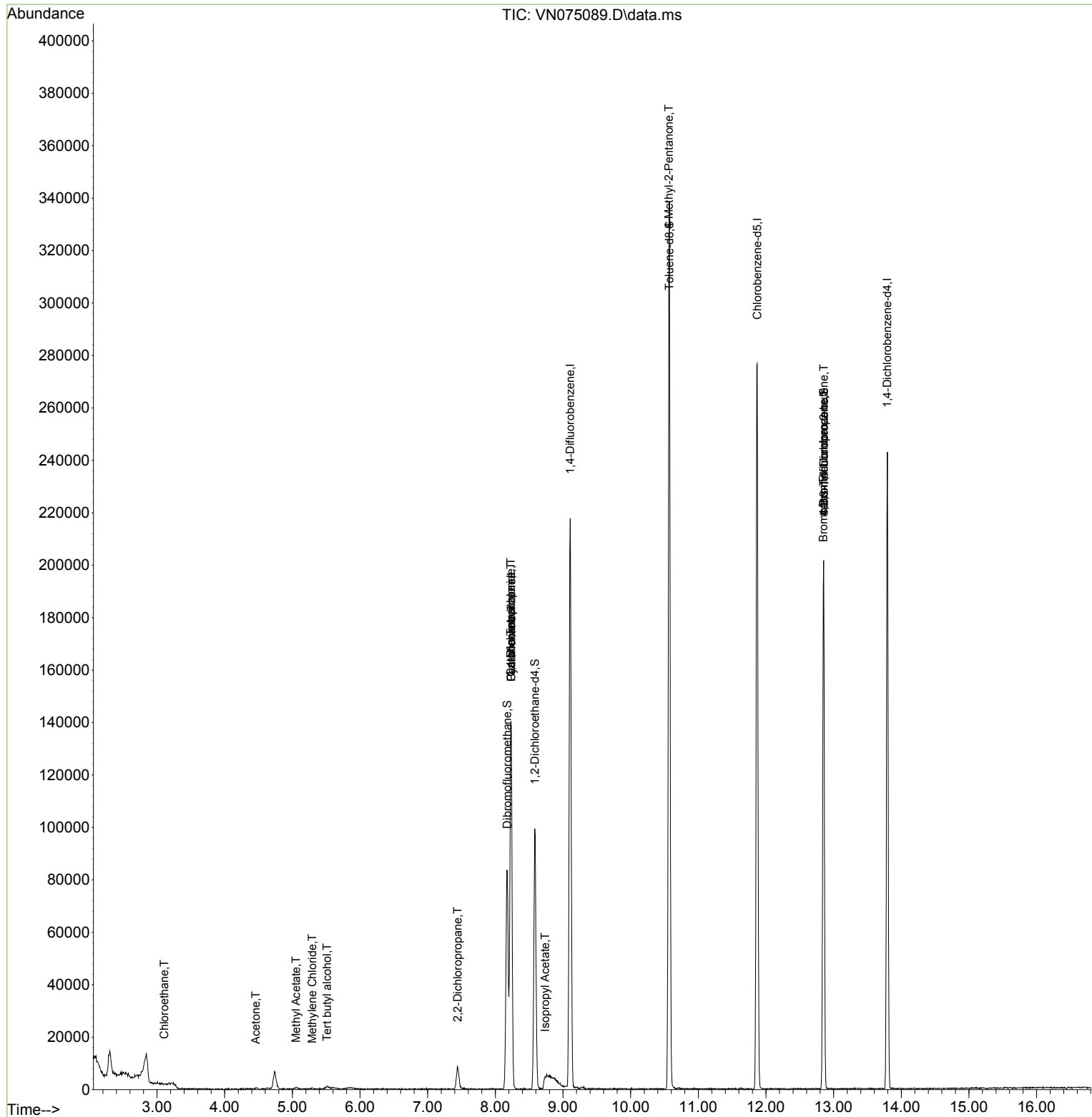
Internal Standards						
1) Pentafluorobenzene	8.235	168	98603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	160348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	79929	60.162	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.320%	
35) Dibromofluoromethane	8.177	113	60077	53.375	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.760%	
50) Toluene-d8	10.571	98	228509	52.328	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.660%	
62) 4-Bromofluorobenzene	12.853	95	67846	44.228	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.460%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	300	0.215	ug/l #	45
11) Tert butyl alcohol	5.512	59	657	2.121	ug/l #	72
16) Acetone	4.459	43	550	0.978	ug/l #	43
18) Methyl Acetate	5.053	43	1437	0.782	ug/l #	55
20) Methylene Chloride	5.294	84	258	0.206	ug/l #	57
26) 2,2-Dichloropropane	7.441	77	512	0.261	ug/l #	53
31) Cyclohexane	8.235	56	2322	1.175	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	9266	5.317	ug/l #	50
38) Carbon Tetrachloride	8.230	117	11483	5.991	ug/l #	20
43) Isopropyl Acetate	8.735	43	3402	1.148	ug/l #	53
51) 4-Methyl-2-Pentanone	10.565	43	1048	0.548	ug/l #	1
71) Bromoform	12.847	173	719	0.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	39100	29.661	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39100	76.139	ug/l #	10

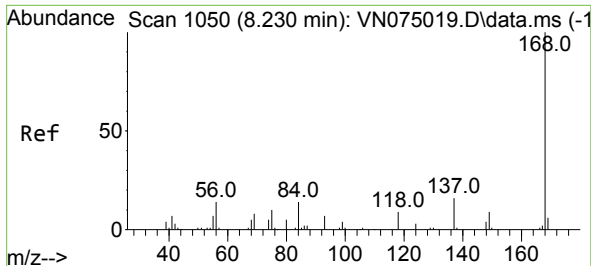
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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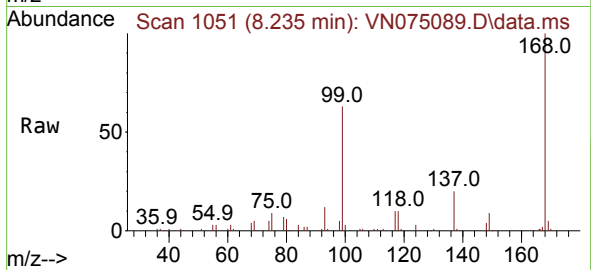
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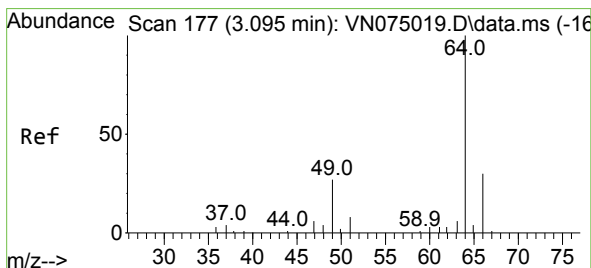
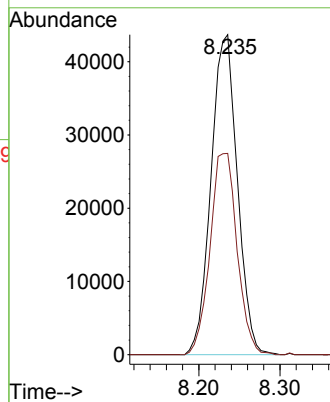
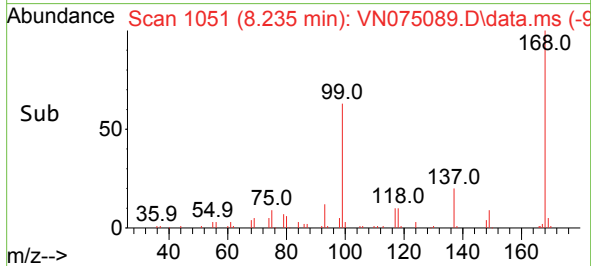


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
TB-20221028

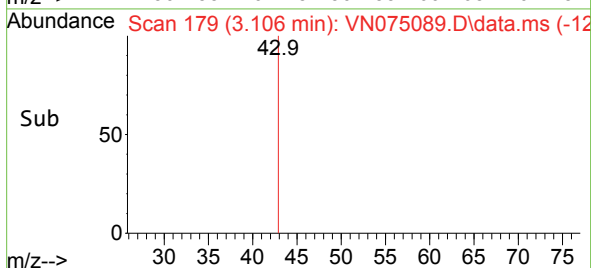
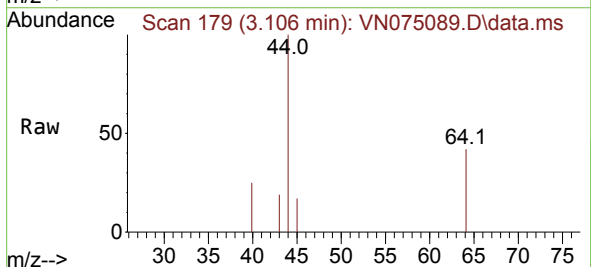


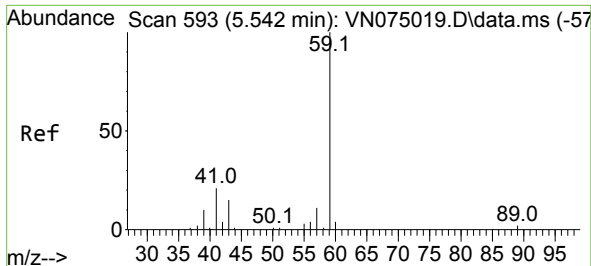
Tgt Ion:168 Resp: 98603
Ion Ratio Lower Upper
168 100
99 62.9 51.6 77.4



#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.106 min Scan# 179
Delta R.T. 0.011 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 64 Resp: 300
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

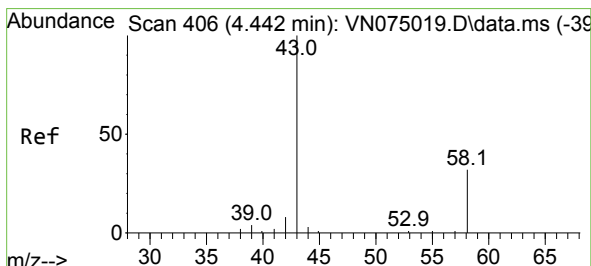
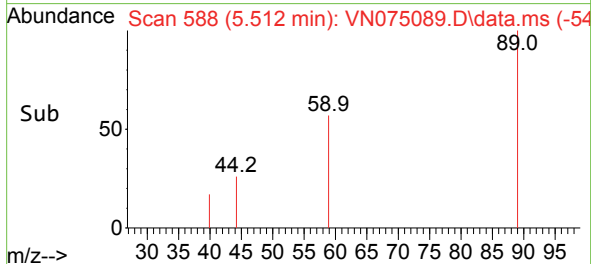
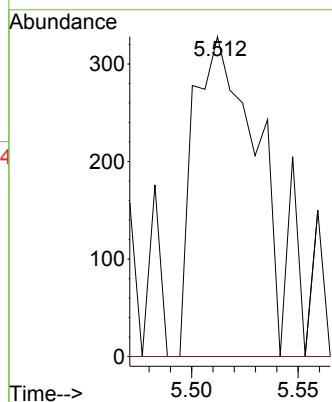
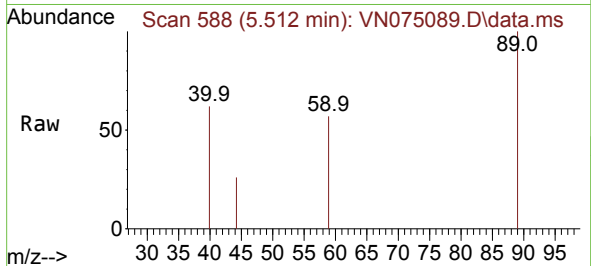




#11
Tert butyl alcohol
Concen: 2.121 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

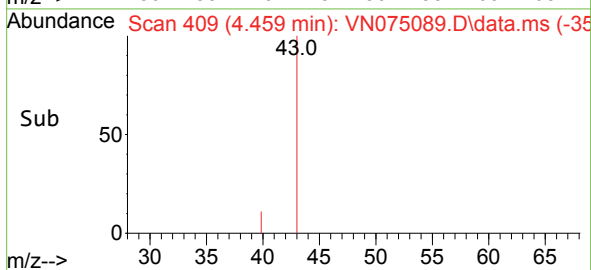
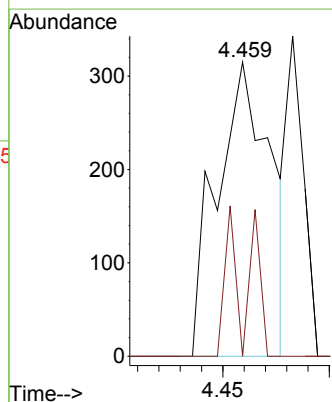
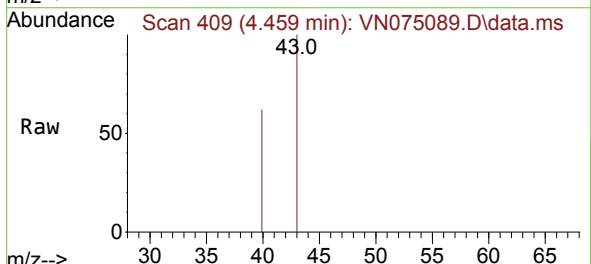
Instrument :
MSVOA_N
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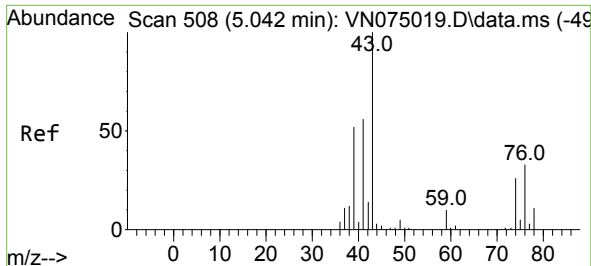
Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.978 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

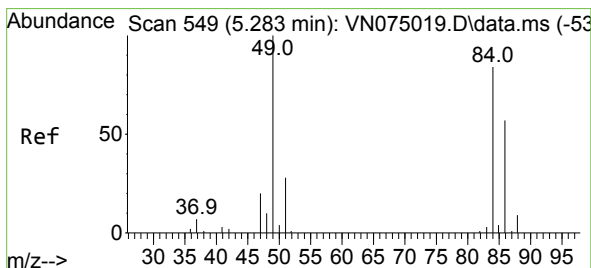
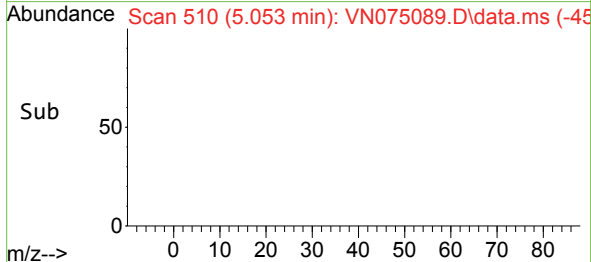
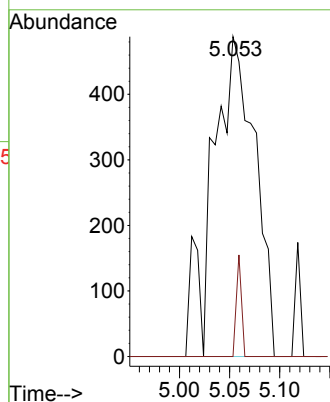
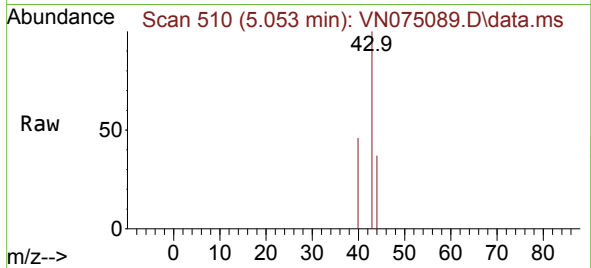




#18
Methyl Acetate
Concen: 0.782 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

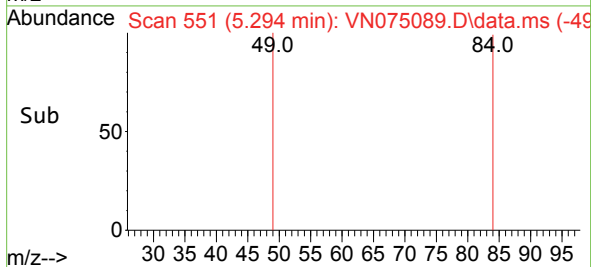
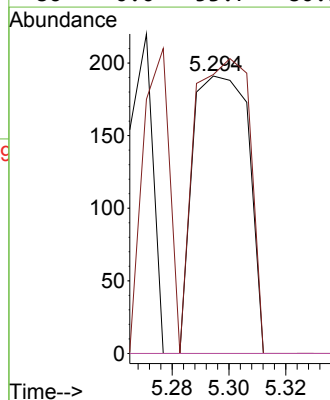
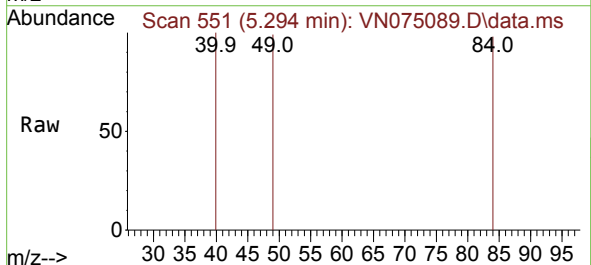
Instrument :
MSVOA_N
ClientSampleId :
TB-20221028

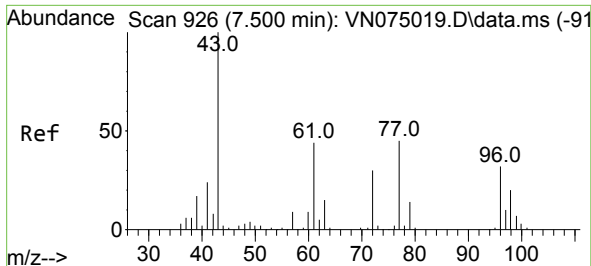
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
74 3.8 22.0 33.0#



#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.011 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 100.5 94.9 142.3
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#

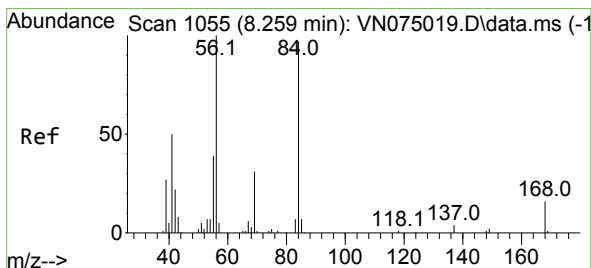
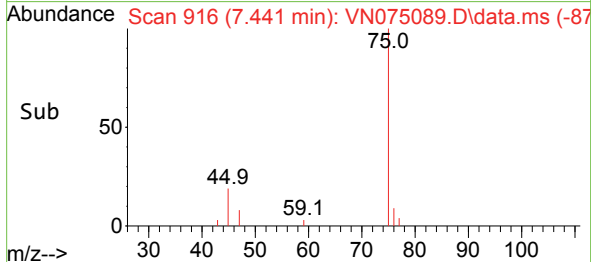
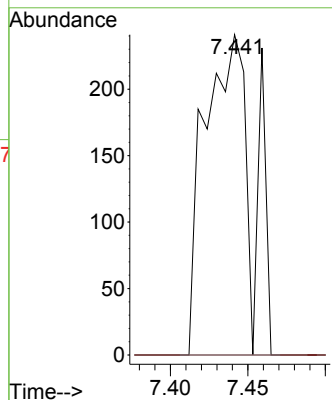
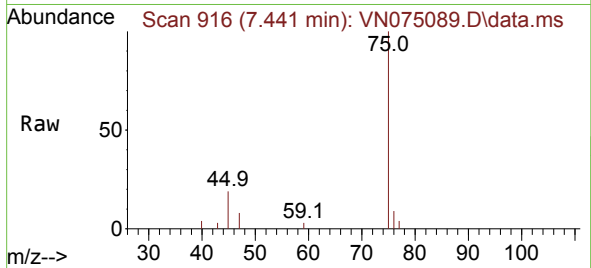




#26
2,2-Dichloropropane
Concen: 0.261 ug/l
RT: 7.441 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

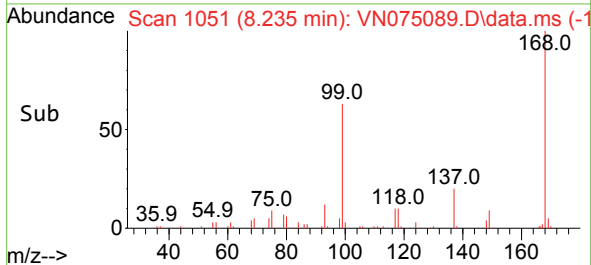
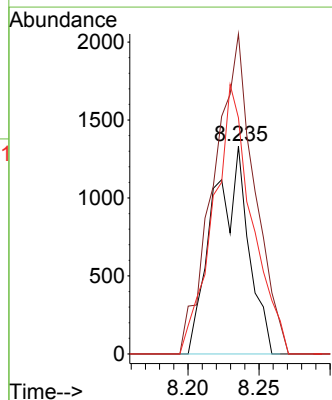
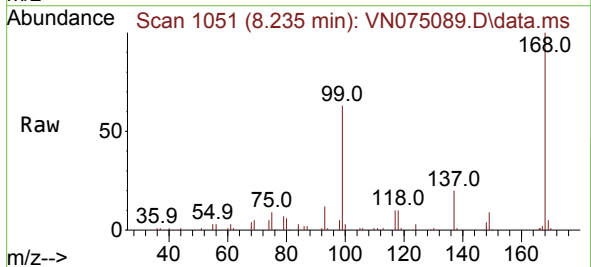
Instrument :
MSVOA_N
ClientSampleId :
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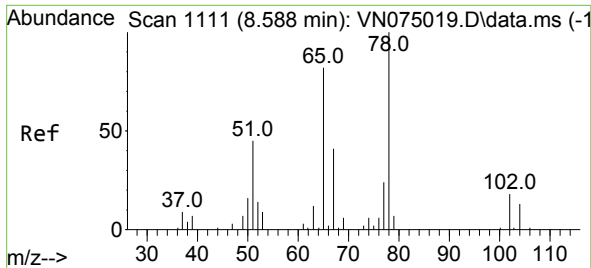
Tgt Ion: 77 Resp: 512
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 56 Resp: 2322
Ion Ratio Lower Upper
56 100
69 153.9 25.2 37.8#
84 113.6 77.8 116.8

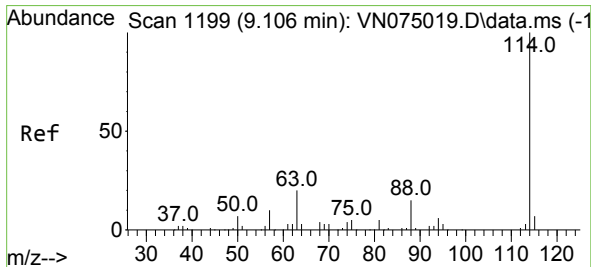
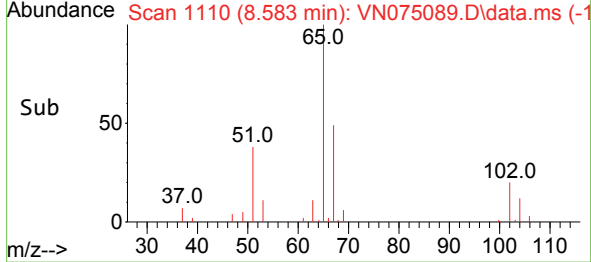
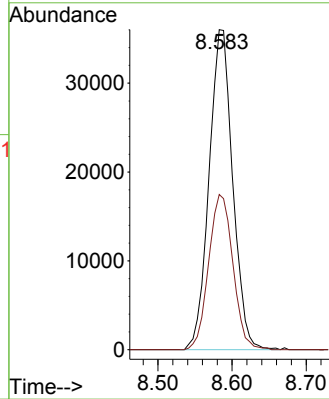
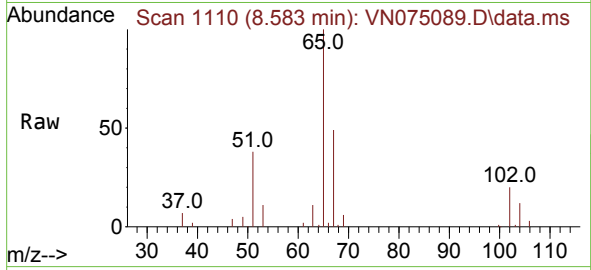




#33
 1,2-Dichloroethane-d4
 Concen: 60.162 ug/l
 RT: 8.583 min Scan# 1111
 Delta R.T. -0.005 min
 Lab File: VN075089.D
 Acq: 31 Oct 2022 16:11

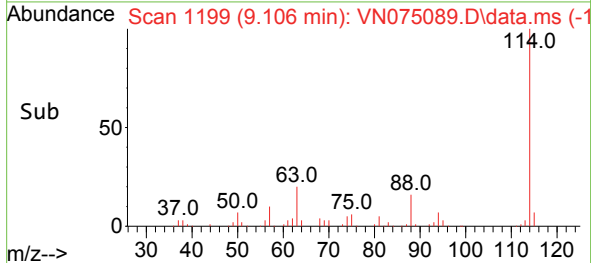
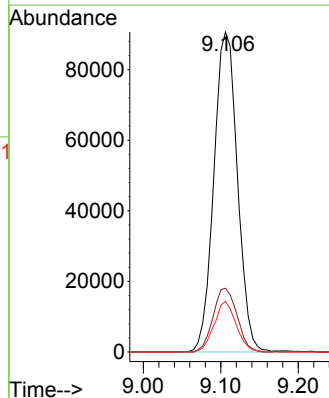
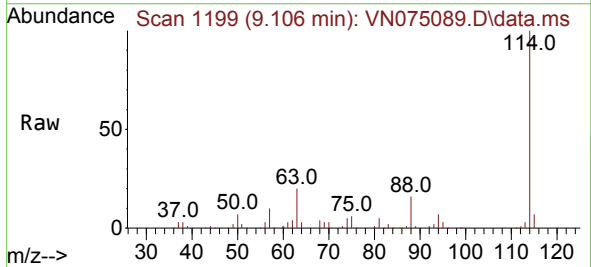
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 TB-20221028

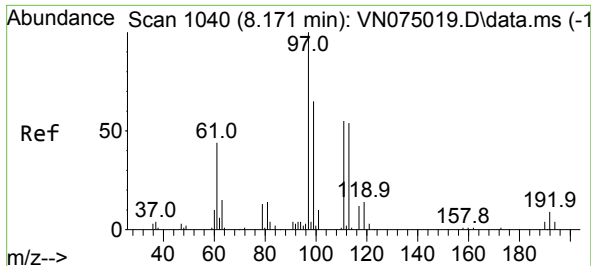
Tgt Ion: 65 Resp: 79929
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075089.D
 Acq: 31 Oct 2022 16:11

Tgt Ion: 114 Resp: 191731
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.375 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075089.D

Acq: 31 Oct 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

TB-20221028

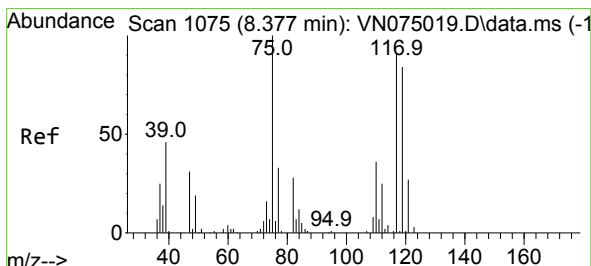
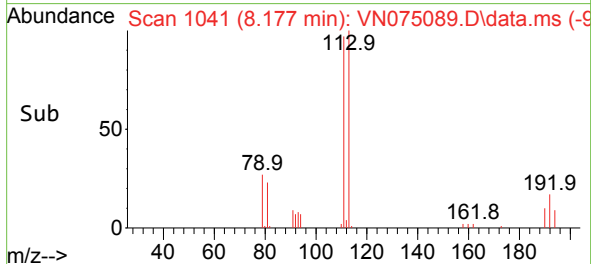
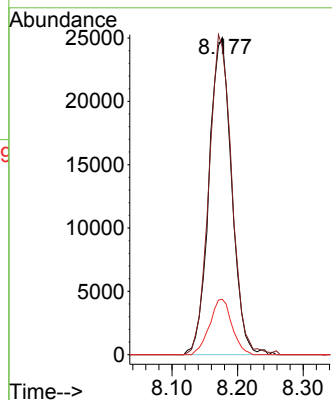
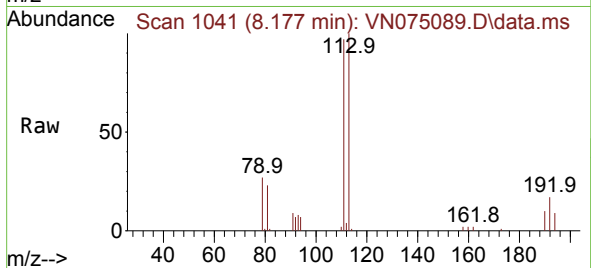
Tgt Ion:113 Resp: 60077

Ion Ratio Lower Upper

113 100

111 101.7 80.5 120.7

192 17.2 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.317 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075089.D

Acq: 31 Oct 2022 16:11

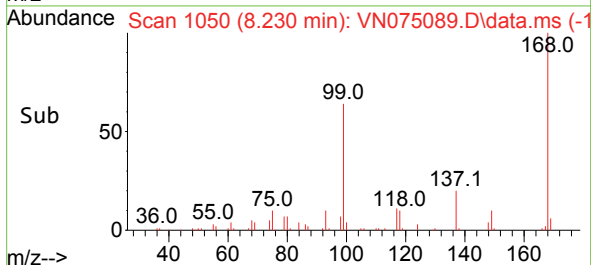
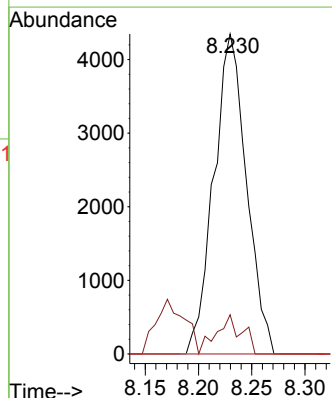
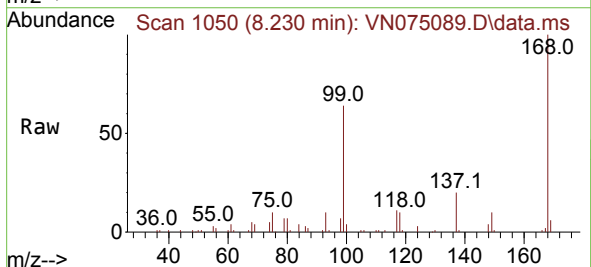
Tgt Ion: 75 Resp: 9266

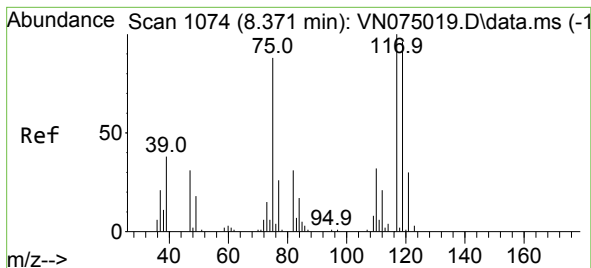
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 8.230 min Scan# 11483

Delta R.T. -0.141 min

Lab File: VN075089.D

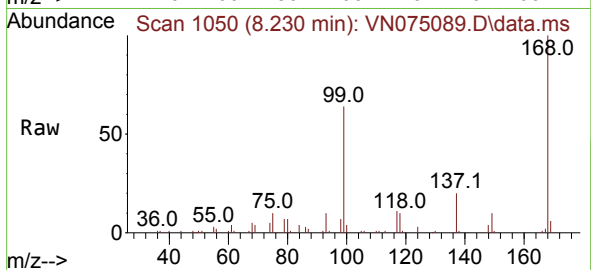
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Instrument :

MSVOA_N

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TB-20221028



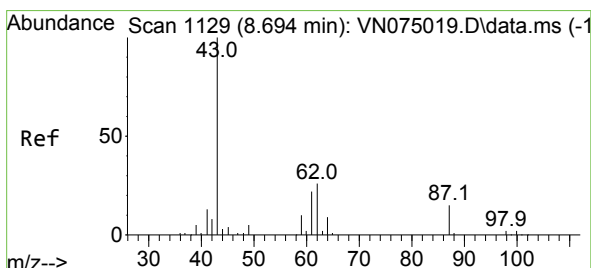
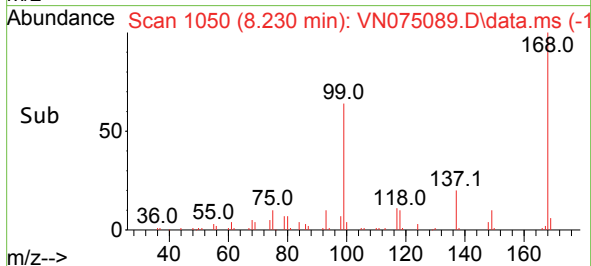
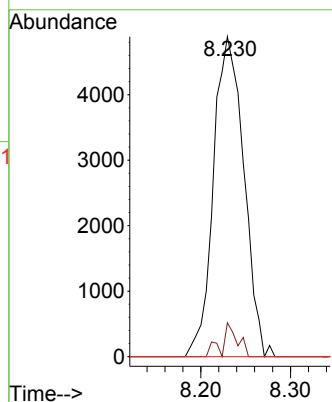
Tgt Ion:117 Resp: 11483

Ion Ratio Lower Upper

117 100

119 10.6 76.7 115.1#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 1.148 ug/l

RT: 8.735 min Scan# 1136

Delta R.T. 0.041 min

Lab File: VN075089.D

Acq: 31 Oct 2022 16:11

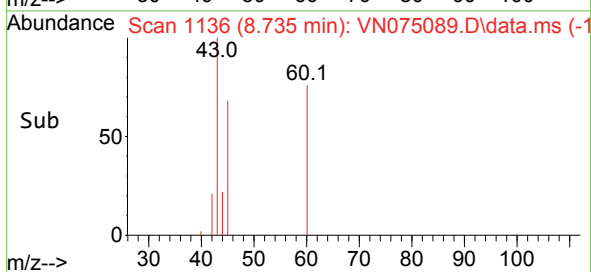
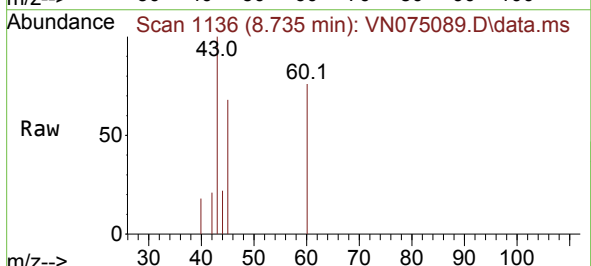
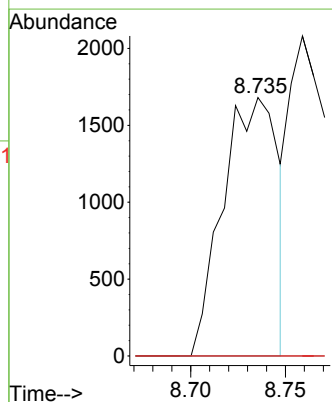
Tgt Ion: 43 Resp: 3402

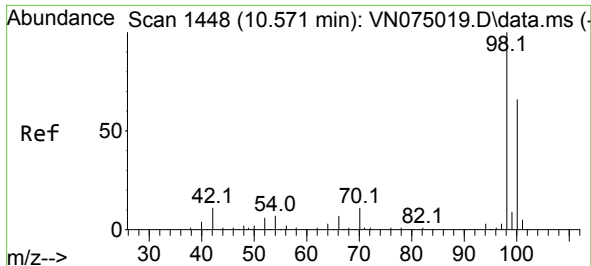
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#

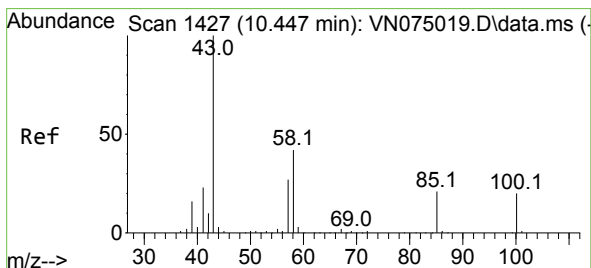
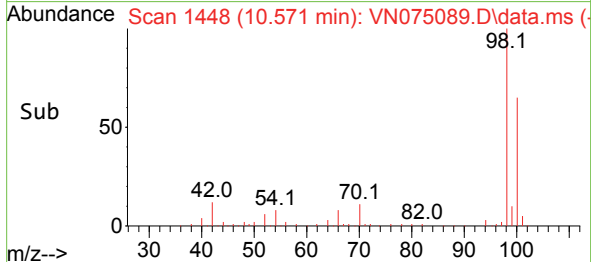
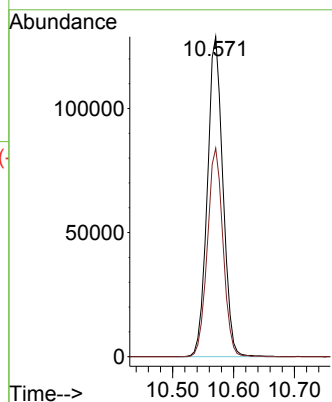
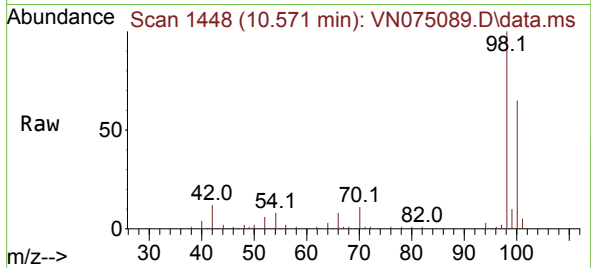




#50
Toluene-d8
Concen: 52.328 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

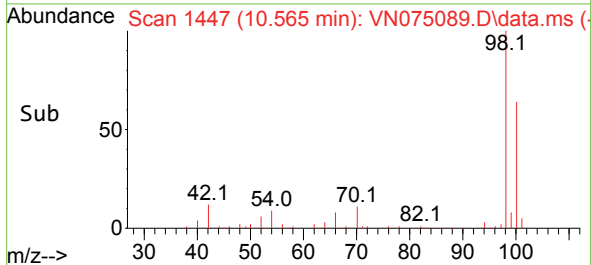
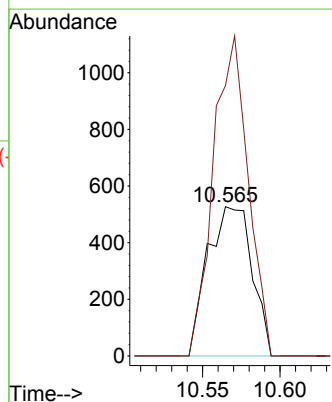
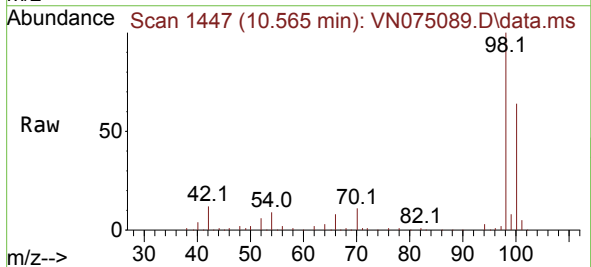
Instrument :
MSVOA_N
ClientSampleId :
TB-20221028

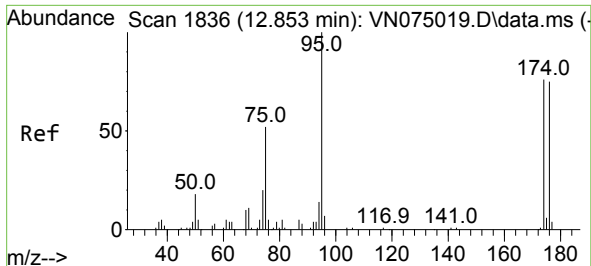
Tgt Ion: 98 Resp: 228509
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.548 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 168.7 33.6 50.4#

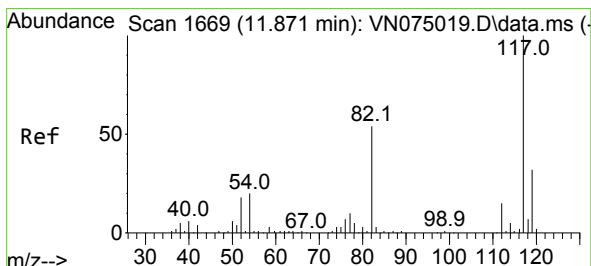
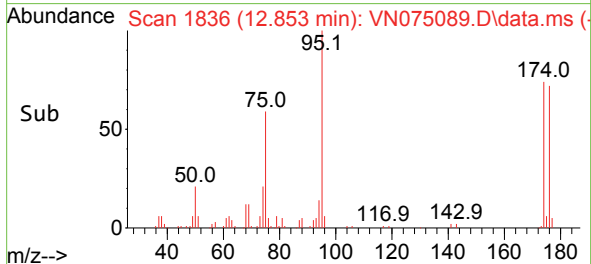
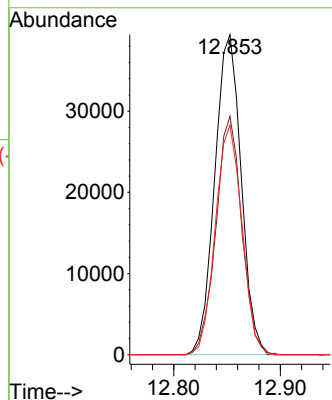
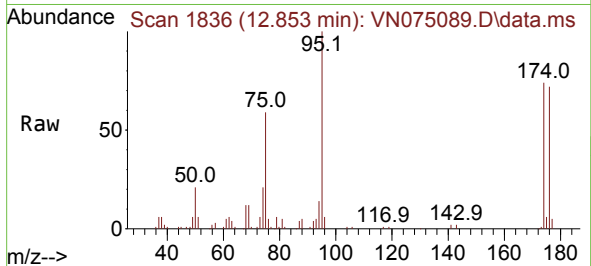




#62
4-Bromofluorobenzene
Concen: 44.228 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

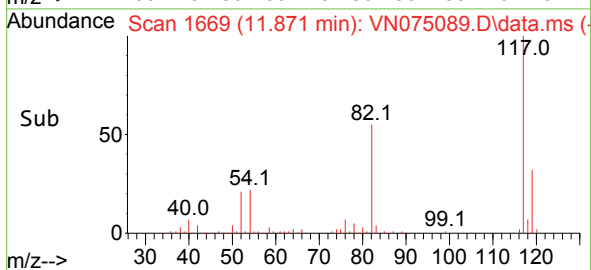
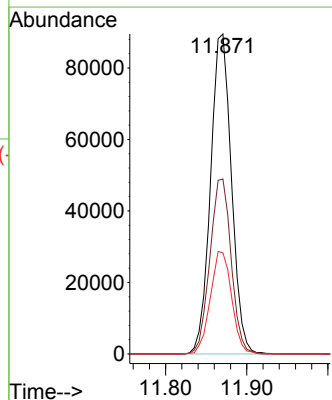
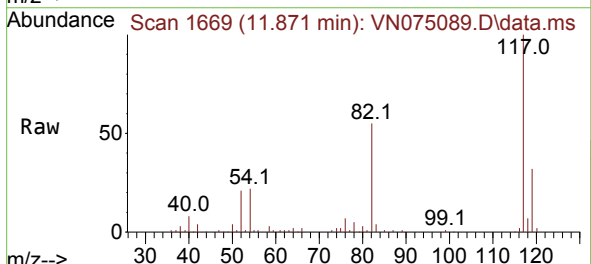
Instrument :
MSVOA_N
ClientSampleId :
TB-20221028

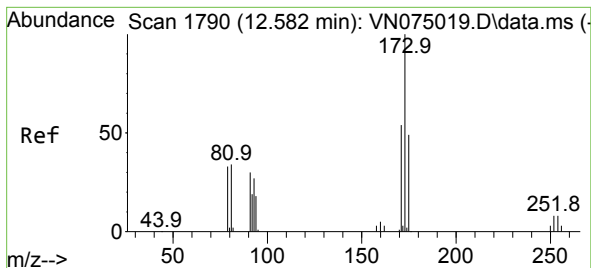
Tgt Ion: 95 Resp: 67846
Ion Ratio Lower Upper
95 100
174 72.7 0.0 147.4
176 71.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 117 Resp: 160348
Ion Ratio Lower Upper
117 100
82 54.7 43.1 64.7
119 31.6 25.5 38.3





#71

Bromoform

Concen: 0.756 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN075089.D

Acq: 31 Oct 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

TB-20221028

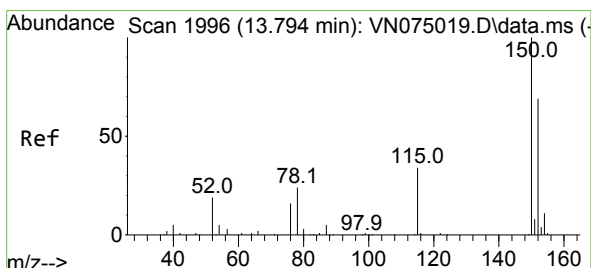
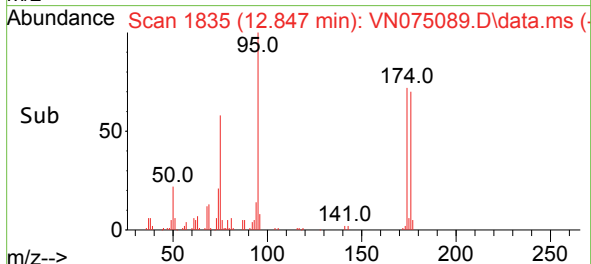
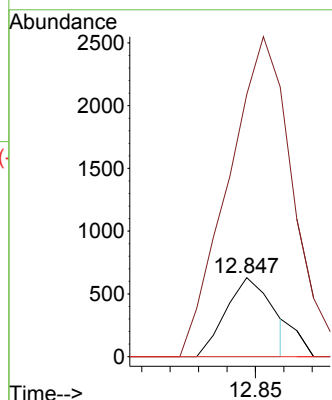
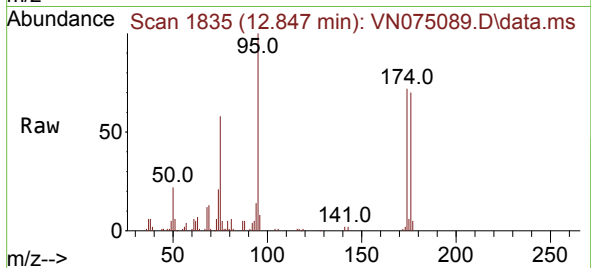
Tgt Ion:173 Resp: 719

Ion Ratio Lower Upper

173 100

175 469.3 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075089.D

Acq: 31 Oct 2022 16:11

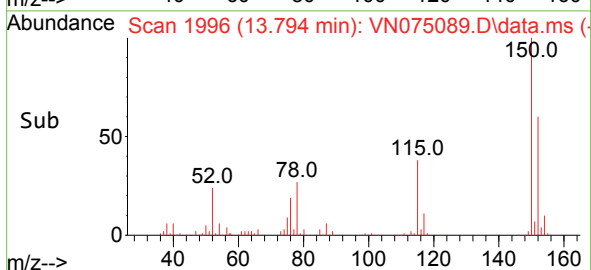
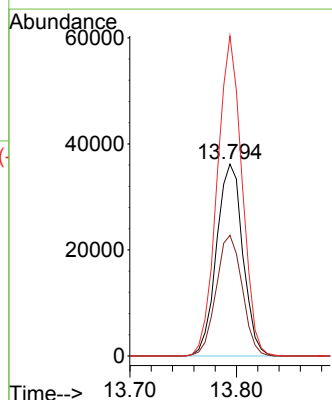
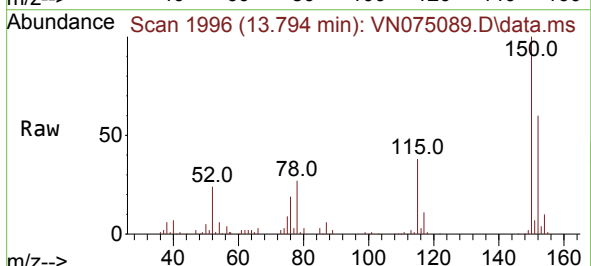
Tgt Ion:152 Resp: 62085

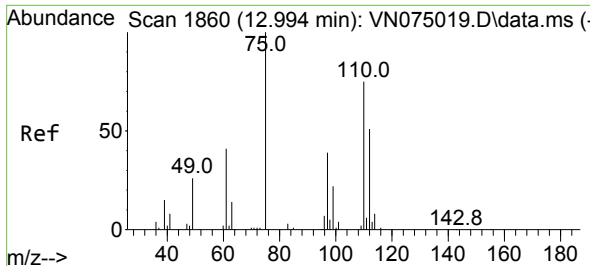
Ion Ratio Lower Upper

152 100

115 62.2 30.2 90.6

150 157.2 0.0 348.4

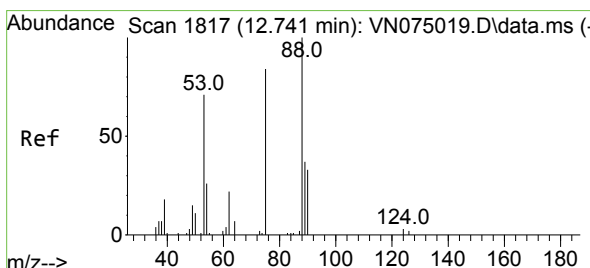
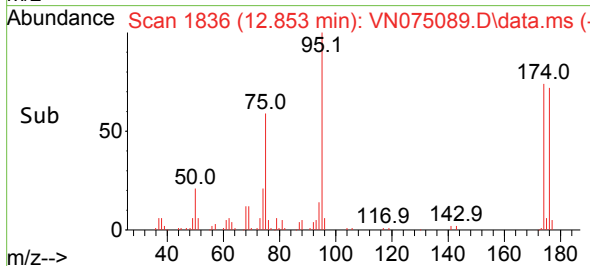
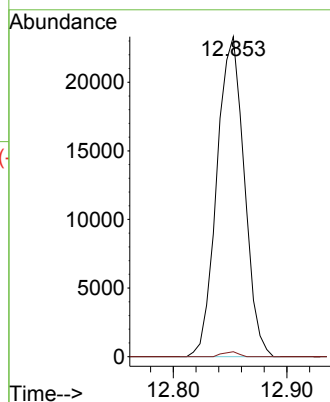
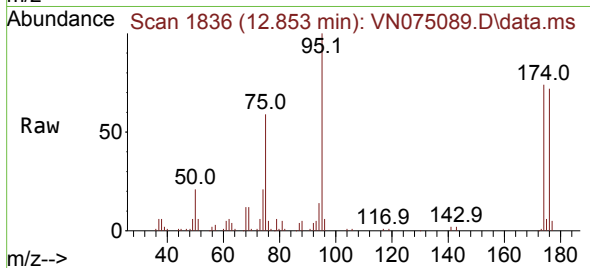




#76
1,2,3-Trichloropropane
Concen: 29.661 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
TB-20221028

Tgt Ion: 75 Resp: 39100
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.139 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075089.D
Acq: 31 Oct 2022 16:11

Tgt Ion: 75 Resp: 39100
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

