

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075724.D
 Acq On : 12 Dec 2022 19:41
 Operator : JC\MD
 Sample : N5978-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-08

Quant Time: Dec 13 01:35:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

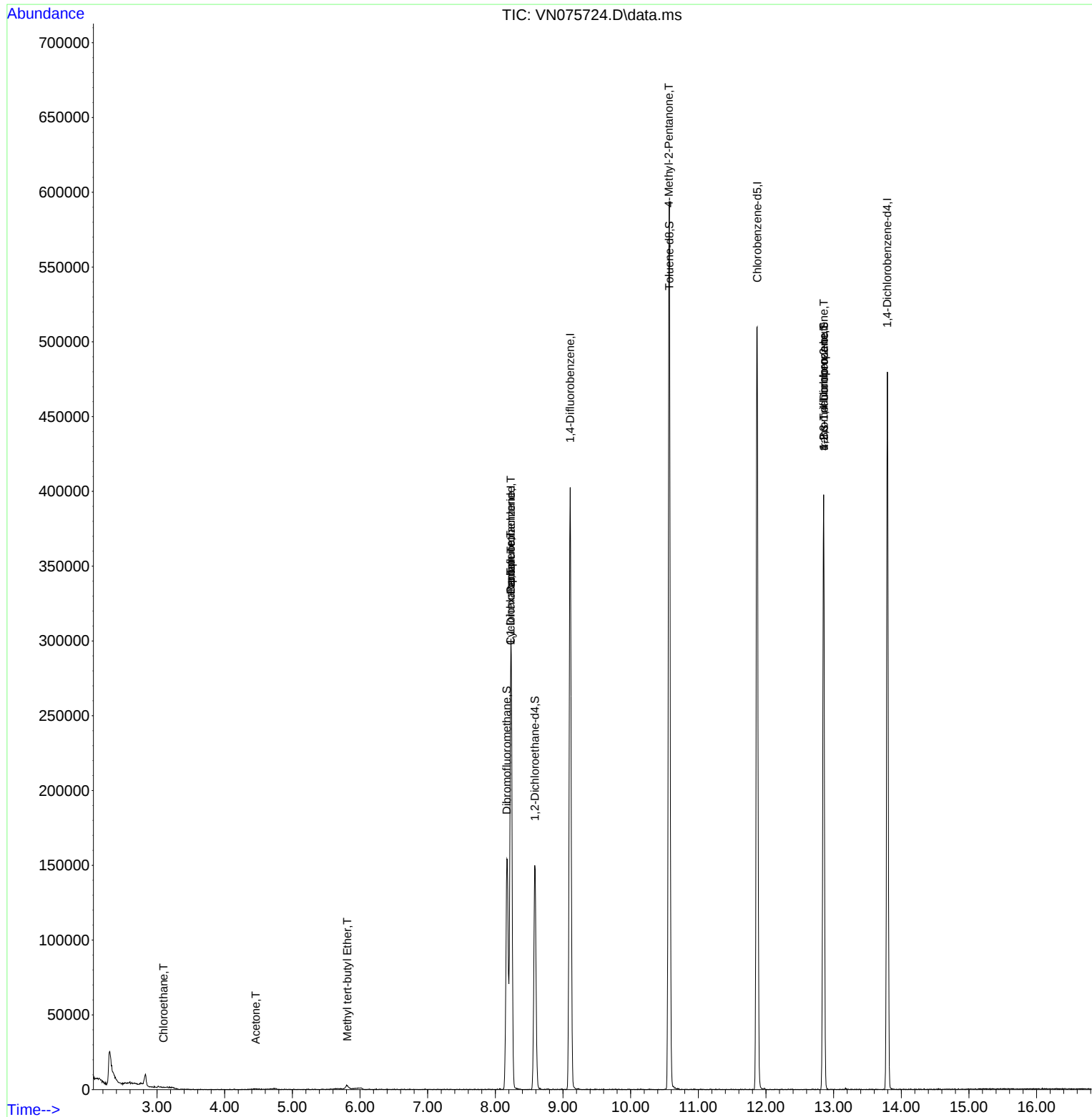
Internal Standards						
1) Pentafluorobenzene	8.230	168	235220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	323740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123165	49.350	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.700%
35) Dibromofluoromethane	8.171	113	111204	49.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	10.571	98	424860	50.004	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.853	95	131965	45.427	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.860%
Target Compounds						
					Qvalue	
6) Chloroethane	3.095	64	462	0.245	ug/l #	43
16) Acetone	4.459	43	400	0.473	ug/l #	41
19) Methyl tert-butyl Ether	5.812	73	4237	0.625	ug/l #	81
31) Cyclohexane	8.224	56	4474	1.211	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	17385	5.787	ug/l #	48
38) Carbon Tetrachloride	8.230	117	22447	6.475	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1337	0.538	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	67727	25.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67727	80.388	ug/l #	13

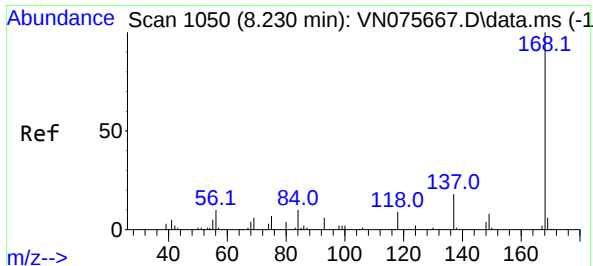
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075724.D

Acq: 12 Dec 2022 19:41

Instrument :

MSVOA_N

ClientSampleId :

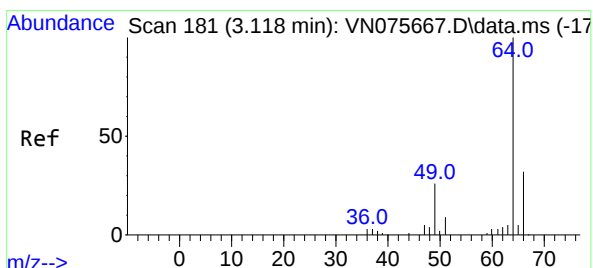
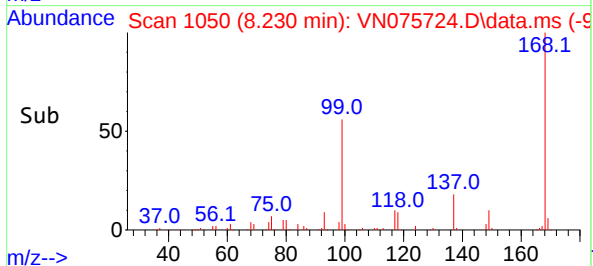
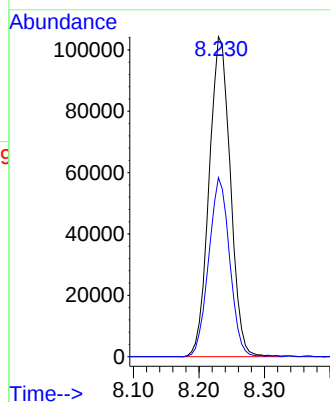
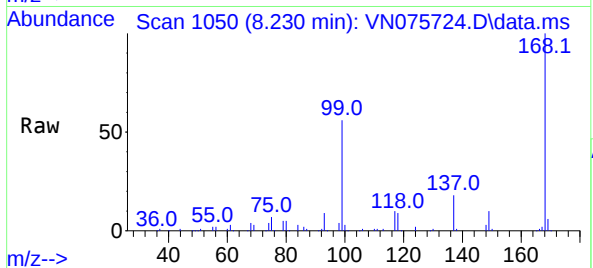
TOLL-MW-08

Tgt Ion:168 Resp: 235220

Ion Ratio Lower Upper

168 100

99 55.9 41.2 61.8



#6

Chloroethane

Concen: 0.245 ug/l

RT: 3.095 min Scan# 177

Delta R.T. -0.023 min

Lab File: VN075724.D

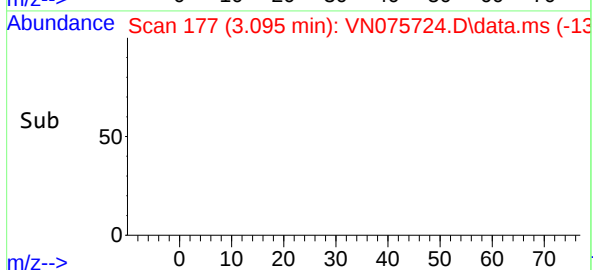
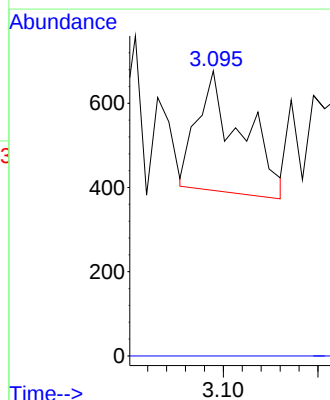
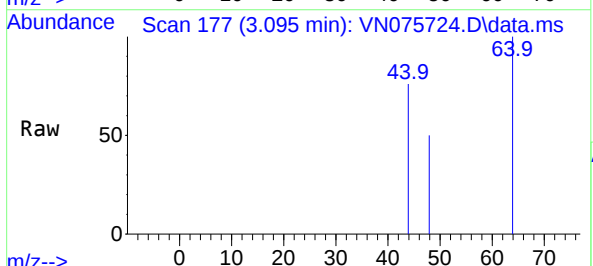
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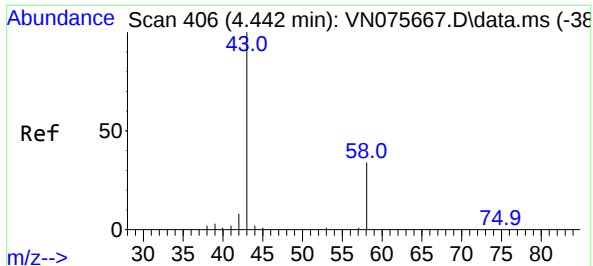
Tgt Ion: 64 Resp: 462

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

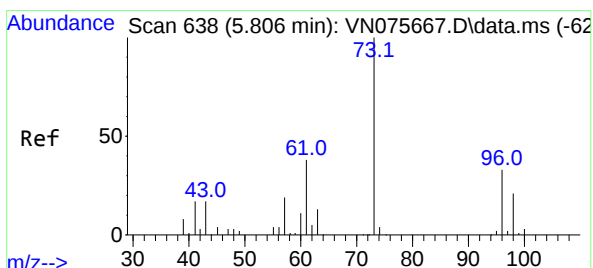
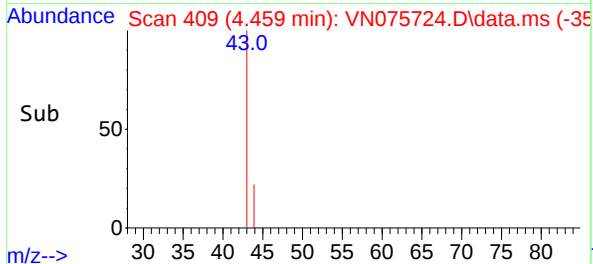
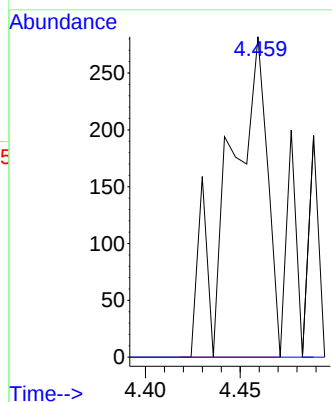
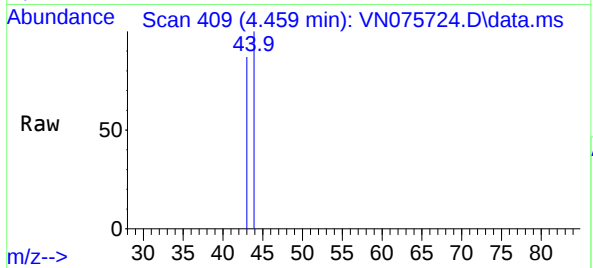




#16
Acetone
Concen: 0.473 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.018 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

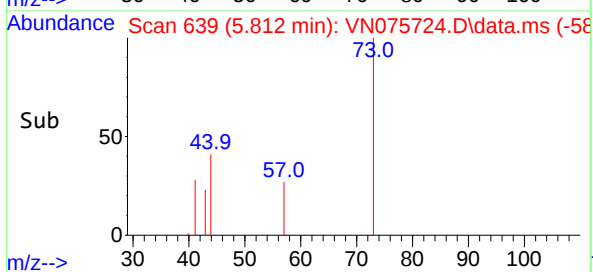
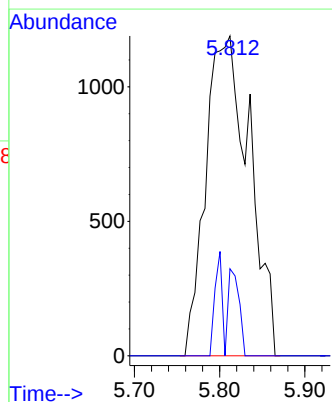
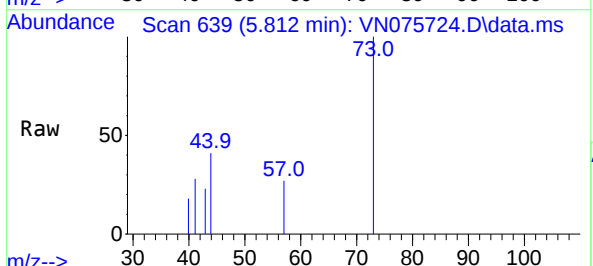
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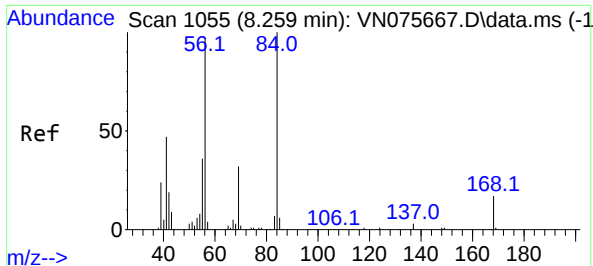
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#19
Methyl tert-butyl Ether
Concen: 0.625 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

Tgt Ion: 73 Resp: 4237
Ion Ratio Lower Upper
73 100
57 27.2 15.1 22.7#

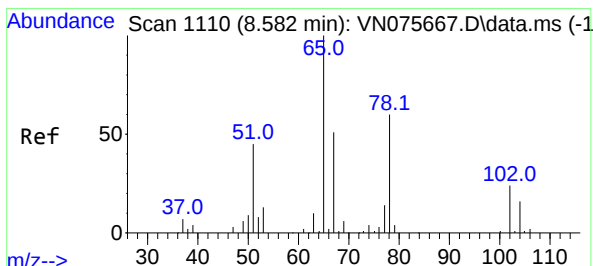
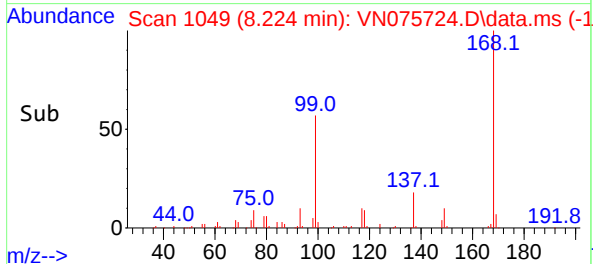
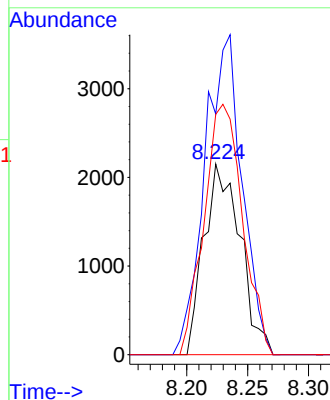
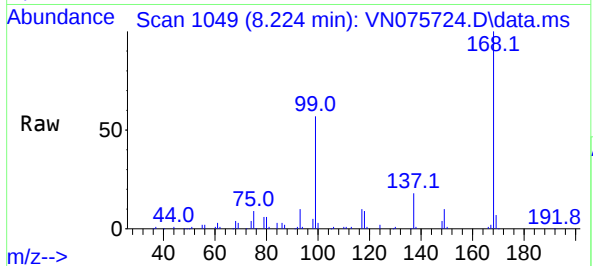




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

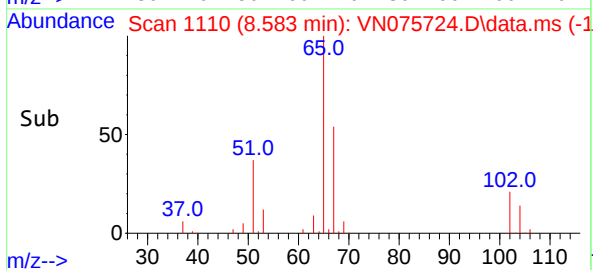
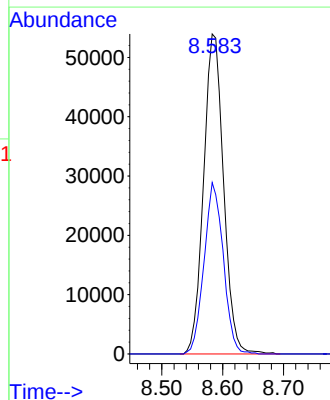
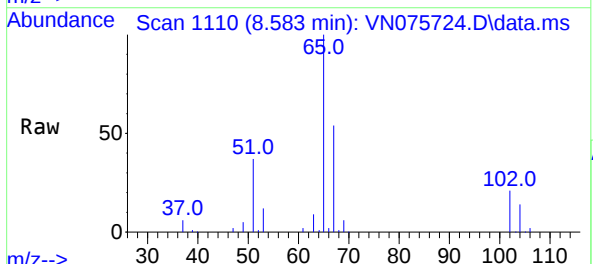
Instrument :
MSVOA_N
ClientSampleId :
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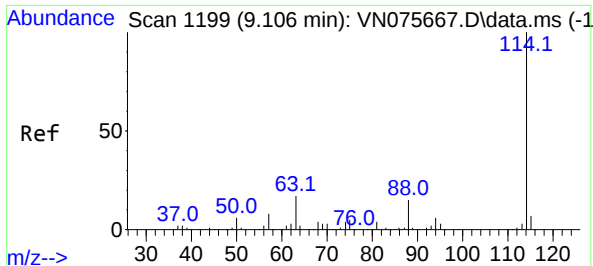
Tgt Ion: 56 Resp: 4474
Ion Ratio Lower Upper
56 100
69 126.2 26.2 39.2#
84 126.0 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 49.350 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

Tgt Ion: 65 Resp: 123165
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.2

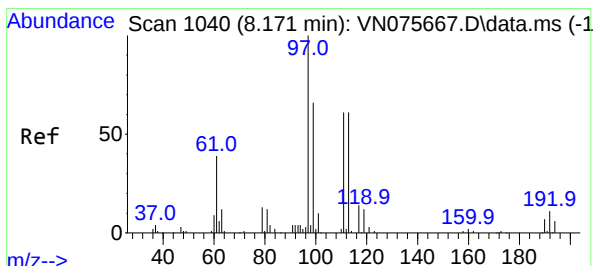
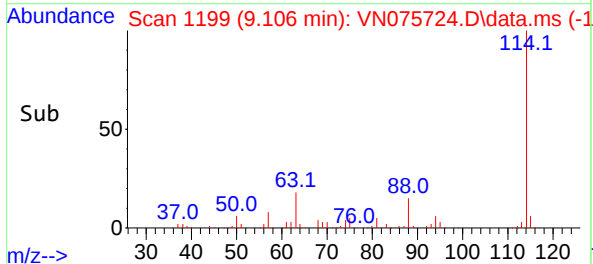
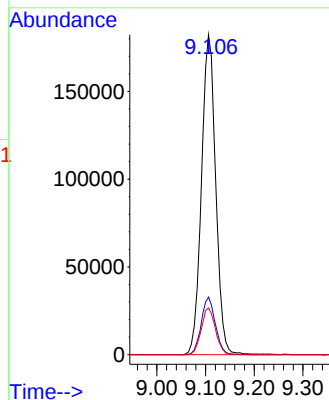
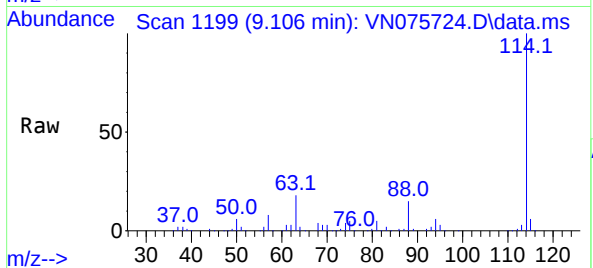




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

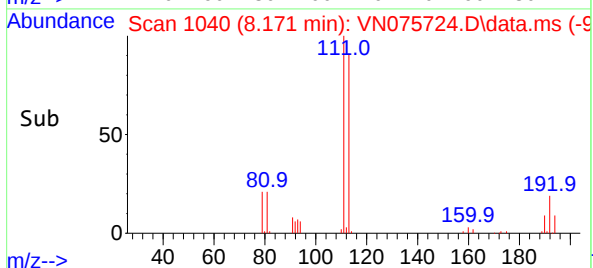
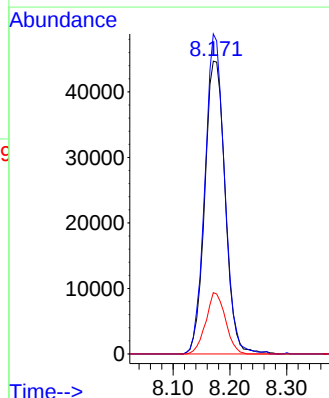
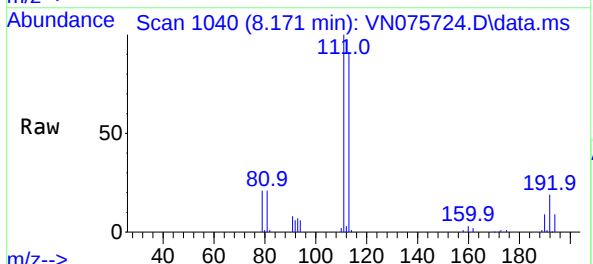
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

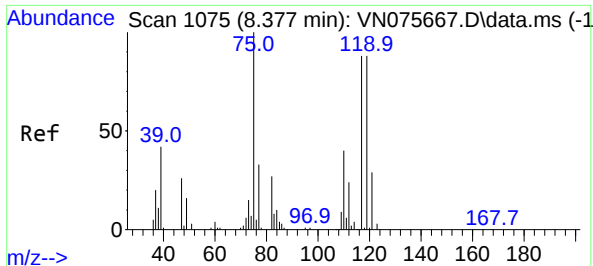
Tgt Ion:114 Resp: 370823
Ion Ratio Lower Upper
114 100
63 18.0 0.0 34.4
88 14.6 0.0 29.2



#35
Dibromofluoromethane
Concen: 49.152 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

Tgt Ion:113 Resp: 111204
Ion Ratio Lower Upper
113 100
111 105.2 81.0 121.6
192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.787 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075724.D

Acq: 12 Dec 2022 19:41

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-08

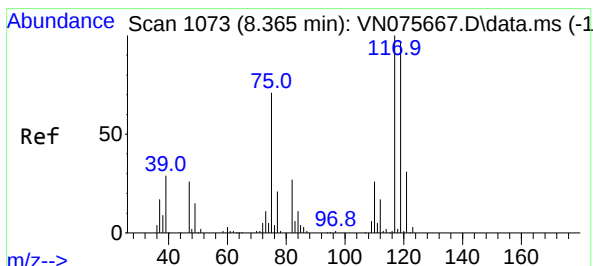
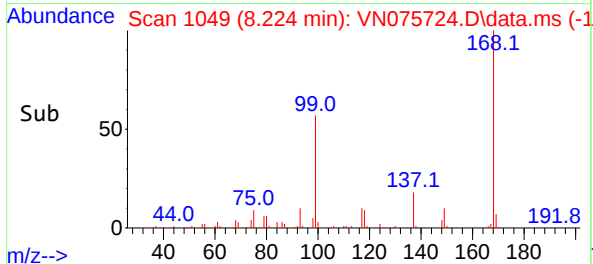
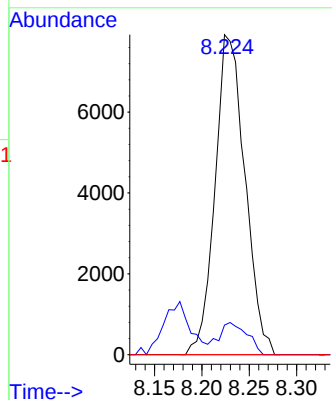
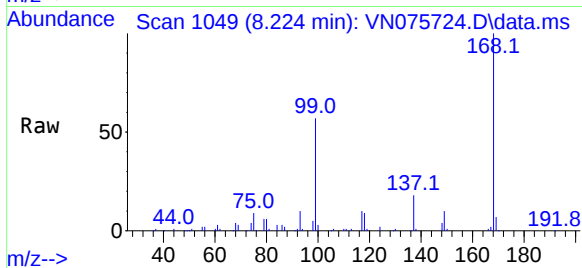
Tgt Ion: 75 Resp: 17385

Ion Ratio Lower Upper

75 100

110 9.5 18.9 56.9#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.475 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075724.D

Acq: 12 Dec 2022 19:41

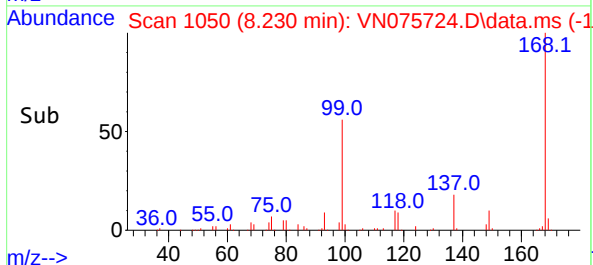
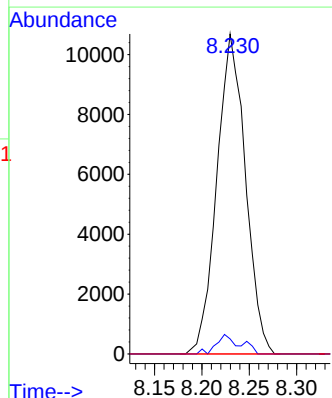
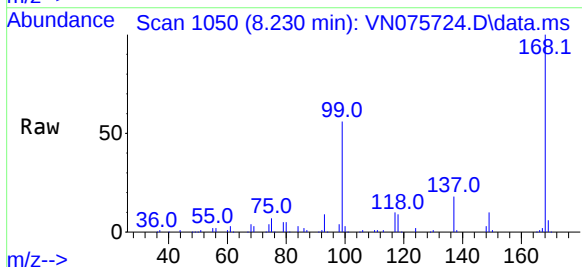
Tgt Ion: 117 Resp: 22447

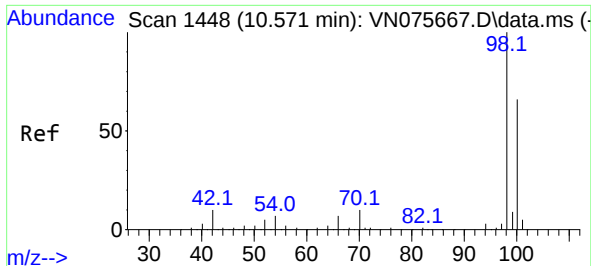
Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

121 0.0 24.6 37.0#

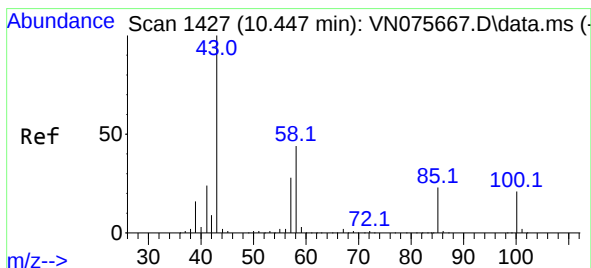
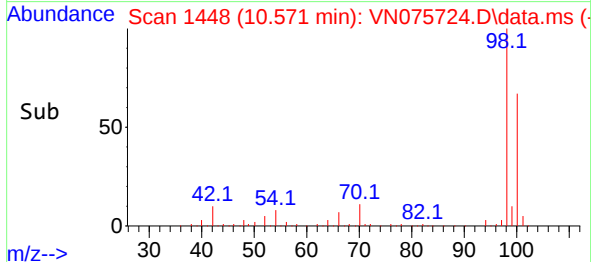
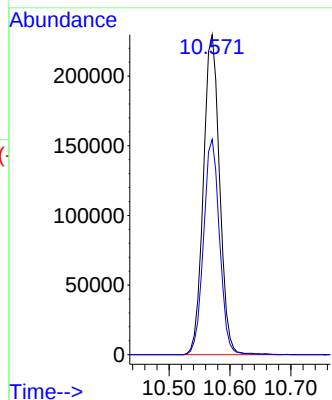
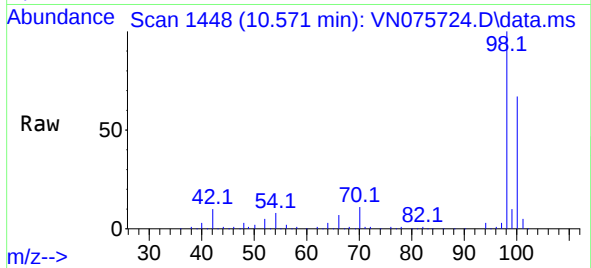




#50
Toluene-d8
Concen: 50.004 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

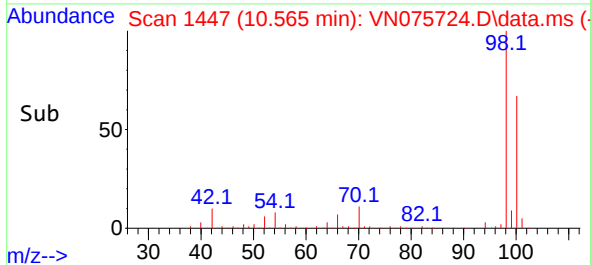
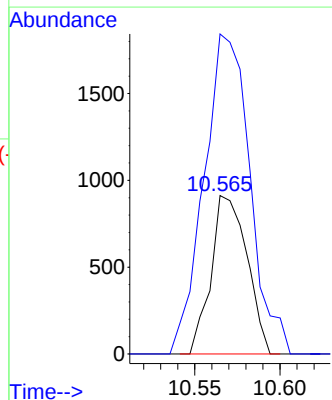
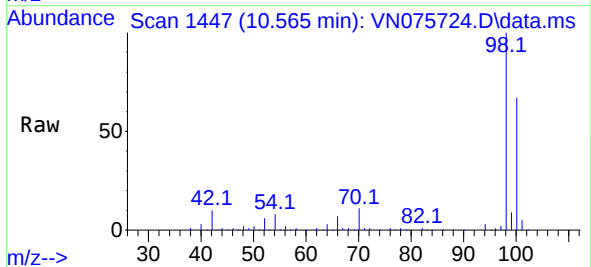
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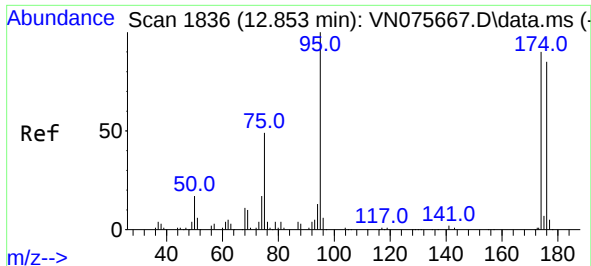
Tgt Ion: 98 Resp: 424860
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.538 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

Tgt Ion: 43 Resp: 1337
Ion Ratio Lower Upper
43 100
58 258.2 35.0 52.6#

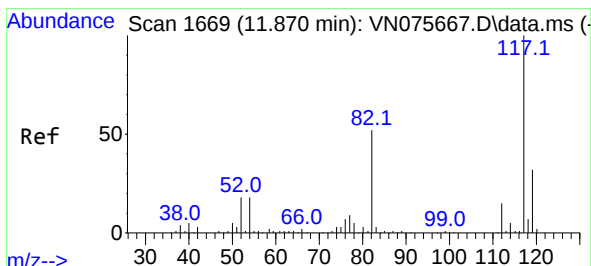
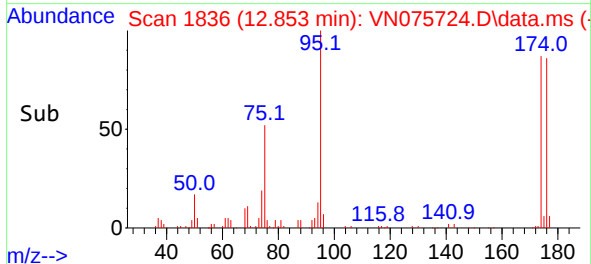
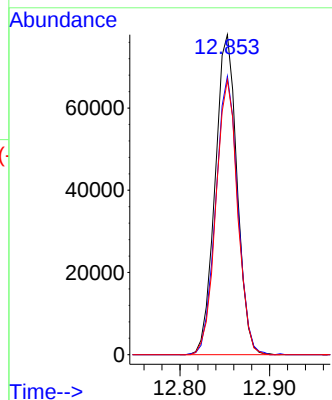
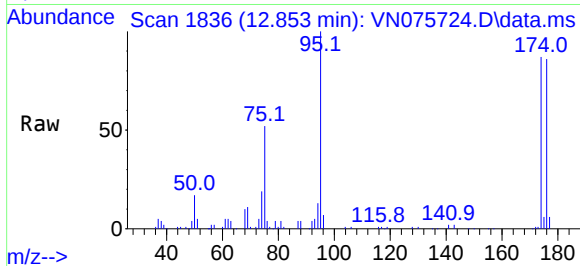




#62
4-Bromofluorobenzene
Concen: 45.427 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

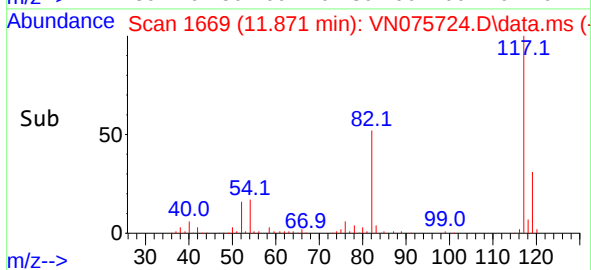
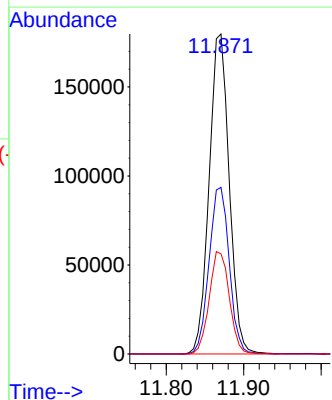
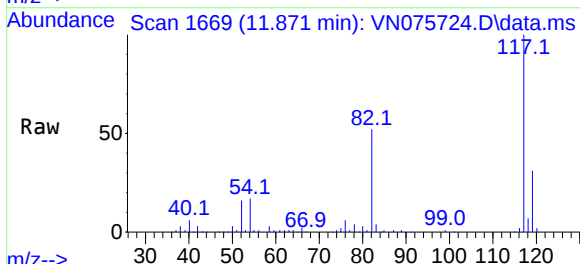
Instrument :
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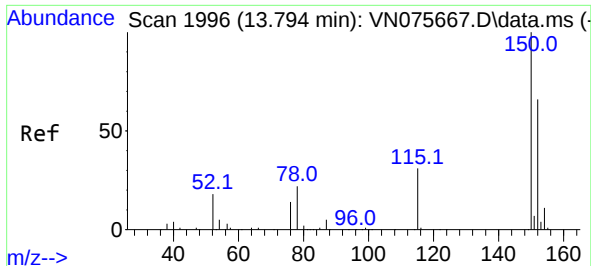
Tgt Ion: 95 Resp: 131965
Ion Ratio Lower Upper
95 100
174 87.3 0.0 178.6
176 84.8 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

Tgt Ion: 117 Resp: 323740
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 31.3 25.8 38.6

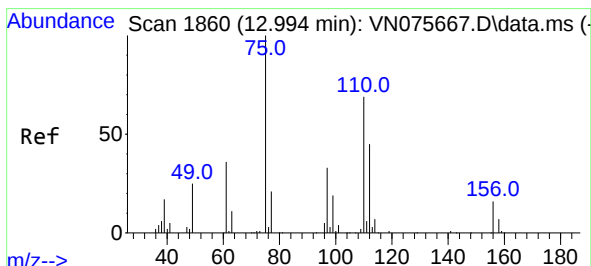
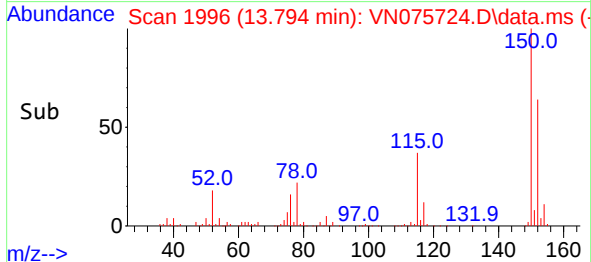
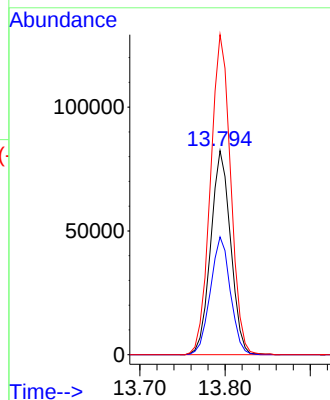
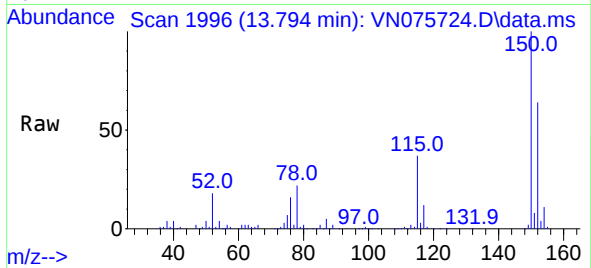




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

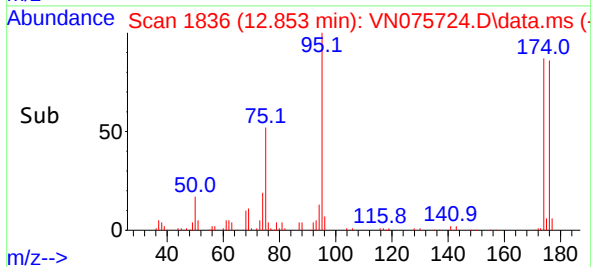
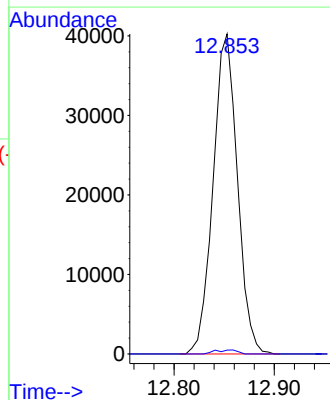
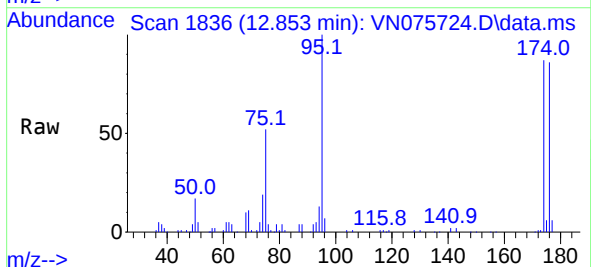
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

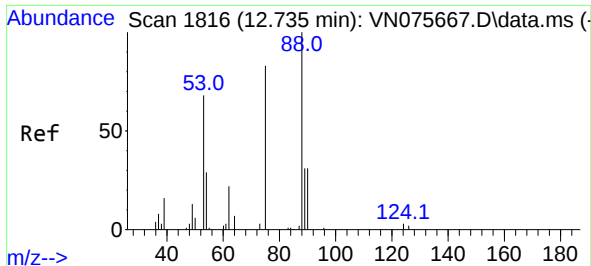
Tgt Ion:152 Resp: 133812
Ion Ratio Lower Upper
152 100
115 57.9 28.4 85.2
150 159.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 25.203 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075724.D
Acq: 12 Dec 2022 19:41

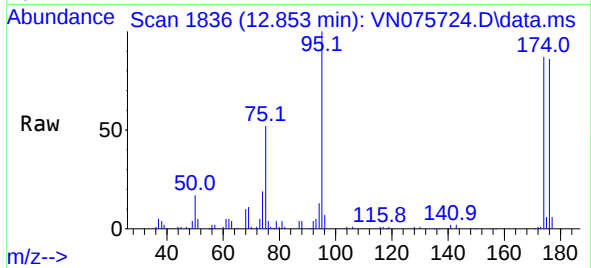
Tgt Ion: 75 Resp: 67727
Ion Ratio Lower Upper
75 100
77 1.1 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.388 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075724.D
 Acq: 12 Dec 2022 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-08



Tgt Ion: 75 Resp: 67727
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

