

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN072987.D
 Acq On : 21 Jun 2022 16:44
 Operator : JC\MD
 Sample : N3379-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-10

Quant Time: Jun 22 07:01:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

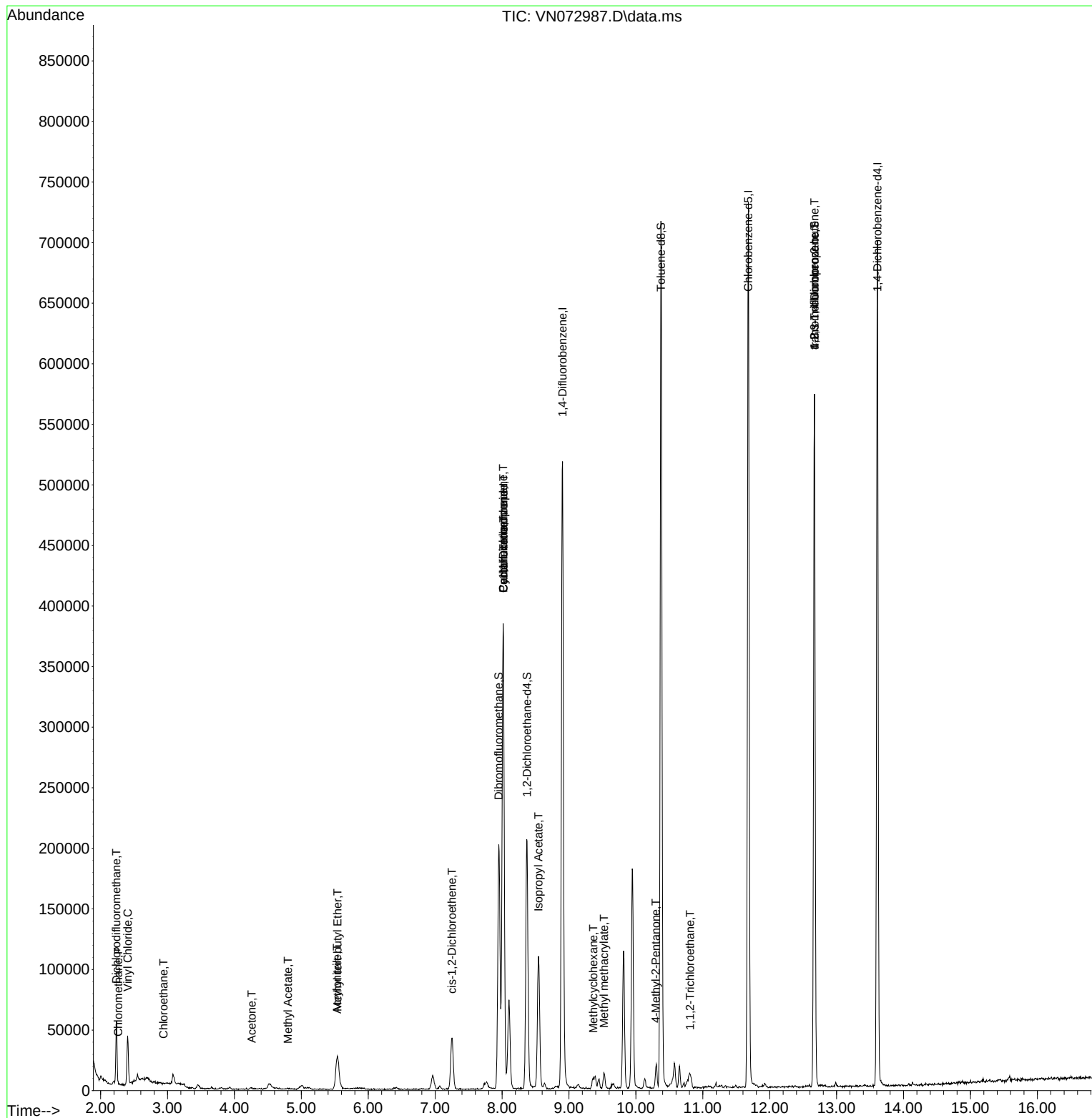
Internal Standards						
1) Pentafluorobenzene	8.022	168	296447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	469327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	415993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	187475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	173102	43.190	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.380%		
35) Dibromofluoromethane	7.951	113	149193	51.430	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.860%		
50) Toluene-d8	10.374	98	493423	45.712	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.420%		
62) 4-Bromofluorobenzene	12.668	95	197098	50.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.234	85	4892	1.733	ug/l	75
3) Chloromethane	2.263	50	366	0.689	ug/l #	76
4) Vinyl Chloride	2.404	62	20027	7.912	ug/l	99
6) Chloroethane	2.940	64	593	0.374	ug/l #	42
15) Acrylonitrile	5.534	53	492	0.206	ug/l #	32
16) Acetone	4.257	43	2541	1.153	ug/l	99
18) Methyl Acetate	4.798	43	1724	0.294	ug/l #	61
19) Methyl tert-butyl Ether	5.539	73	40246	3.776	ug/l	94
20) Methylene Chloride	5.016	84	207	Below Cal	#	13
27) cis-1,2-Dichloroethene	7.251	96	26445	7.170	ug/l	91
31) Cyclohexane	8.022	56	6455	1.191	ug/l #	23
36) 1,1-Dichloropropene	8.016	75	23613	6.016	ug/l #	49
38) Carbon Tetrachloride	8.022	117	30188	7.312	ug/l #	16
39) Methylcyclohexane	9.363	83	1212	0.256	ug/l #	1
43) Isopropyl Acetate	8.545	43	22952	2.557	ug/l #	53
48) Methyl methacrylate	9.522	41	3960	0.966	ug/l #	27
51) 4-Methyl-2-Pentanone	10.298	43	2592	0.443	ug/l #	64
55) 1,1,2-Trichloroethane	10.810	97	2368	0.712	ug/l #	16
76) 1,2,3-Trichloropropane	12.668	75	104191	22.923	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	104191	61.906	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.474	75	69	Below Cal	#	1

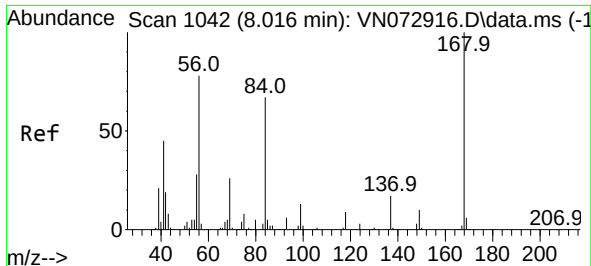
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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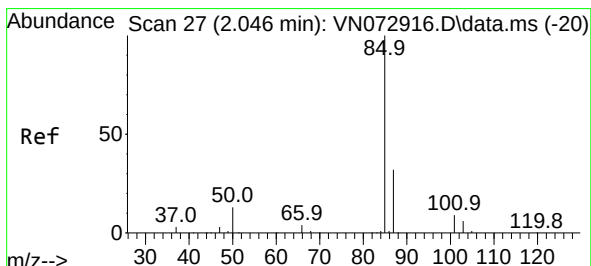
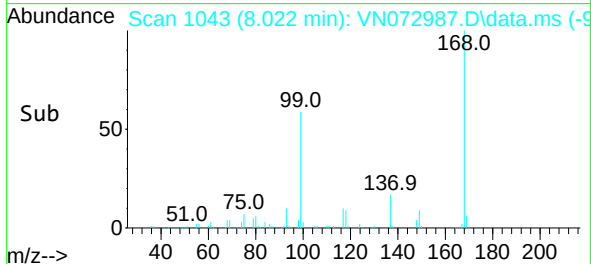
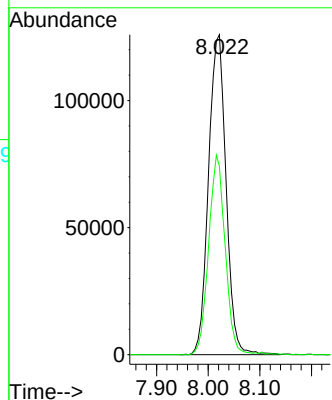
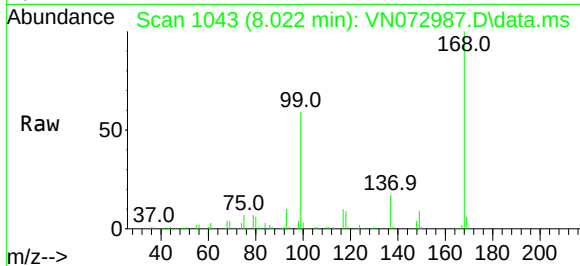




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

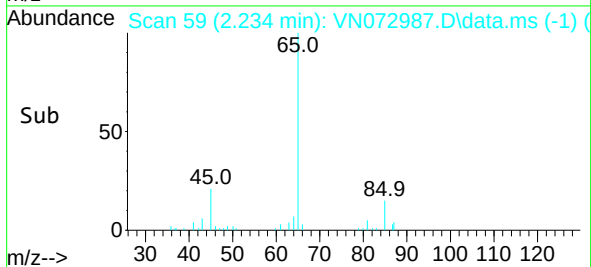
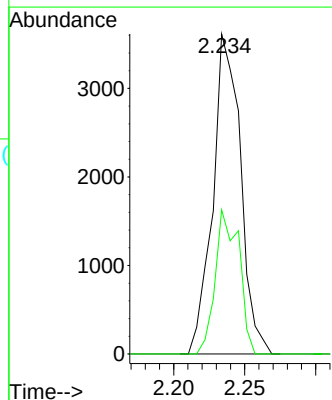
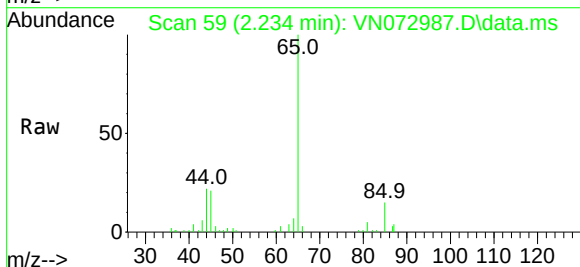
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

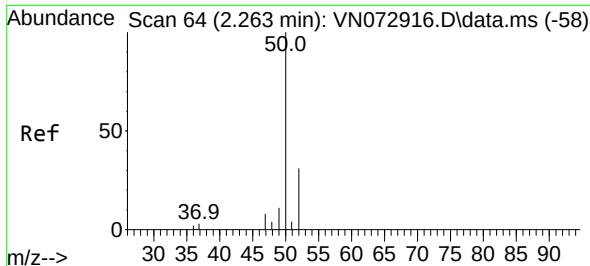
Tgt Ion:168 Resp: 296447
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 1.733 ug/l
RT: 2.234 min Scan# 59
Delta R.T. 0.188 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 85 Resp: 4892
Ion Ratio Lower Upper
85 100
87 45.0 15.7 47.1

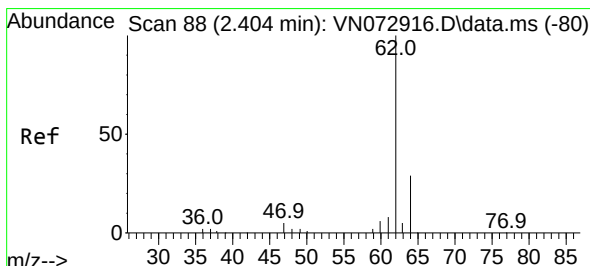
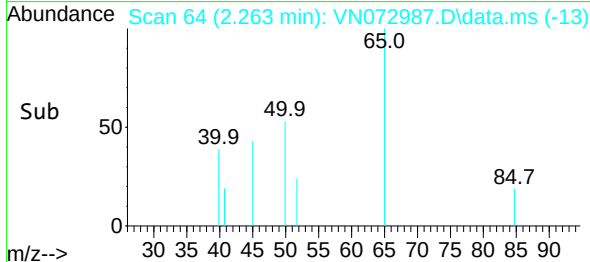
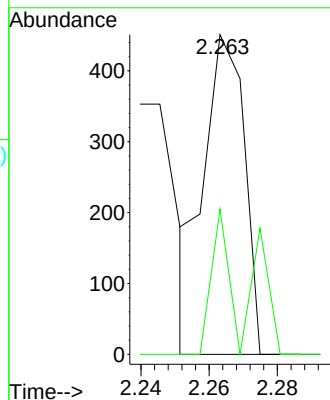
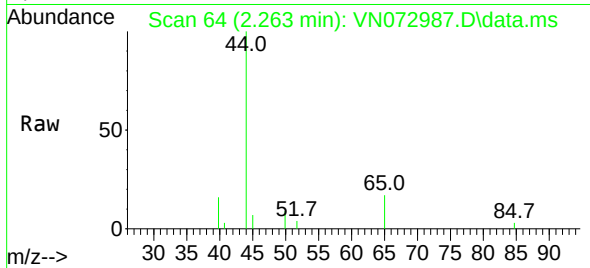




#3
Chloromethane
Concen: 0.689 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

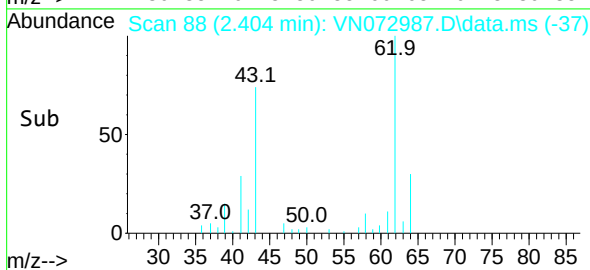
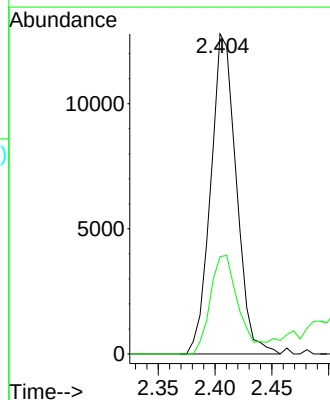
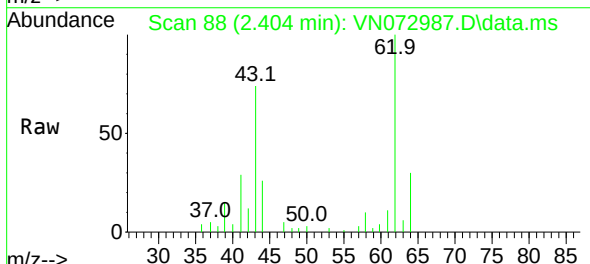
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

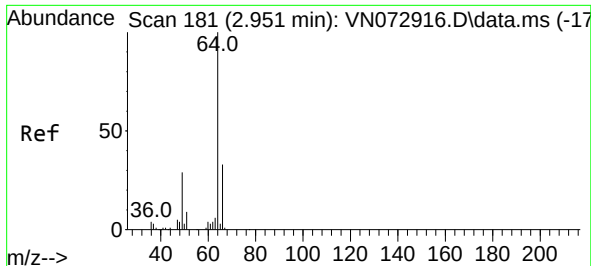
Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 45.5 25.7 38.5#



#4
Vinyl Chloride
Concen: 7.912 ug/l
RT: 2.404 min Scan# 88
Delta R.T. -0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 62 Resp: 20027
Ion Ratio Lower Upper
62 100
64 30.4 25.0 37.4

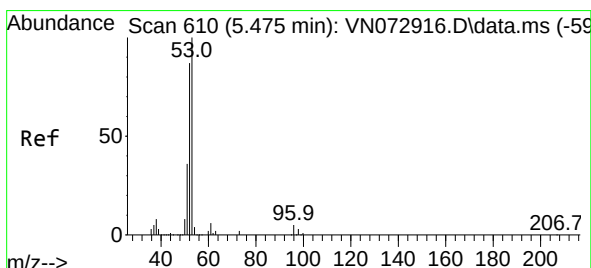
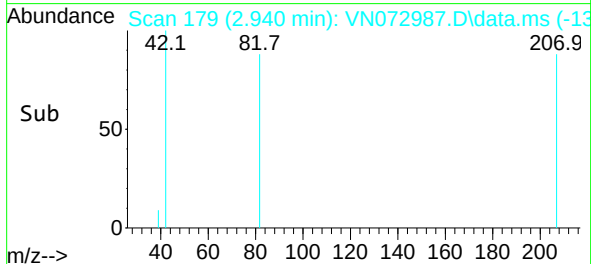
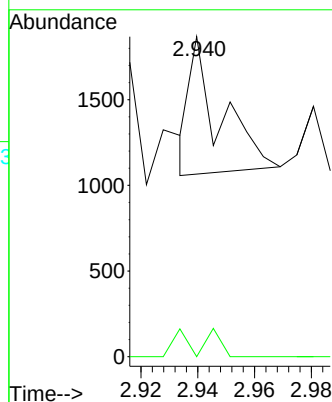
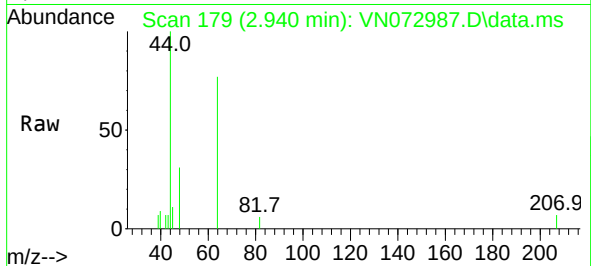




#6
Chloroethane
Concen: 0.374 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

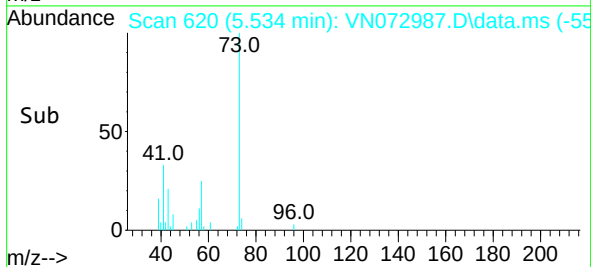
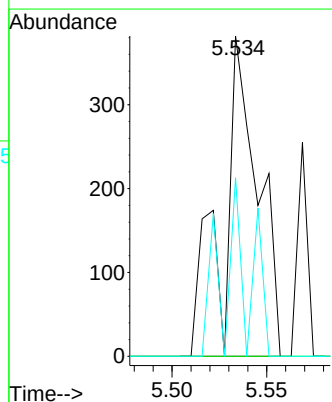
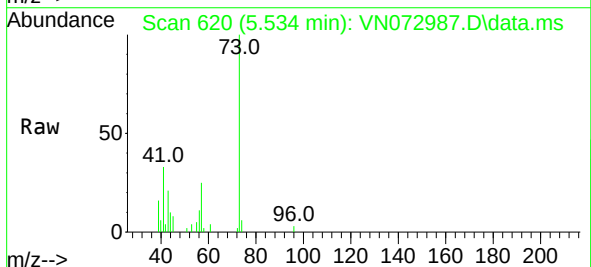
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

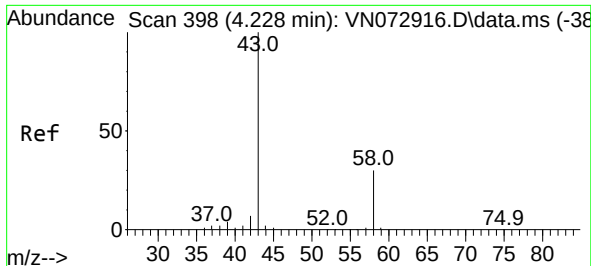
Tgt Ion: 64 Resp: 593
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#15
Acrylonitrile
Concen: 0.206 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.059 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 53 Resp: 492
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 28.0 28.5 42.7#





#16

Acetone

Concen: 1.153 ug/l

RT: 4.257 min Scan# 403

Delta R.T. 0.029 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

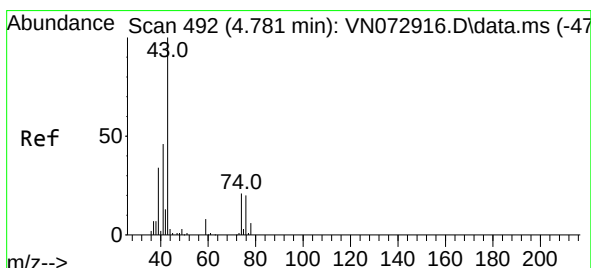
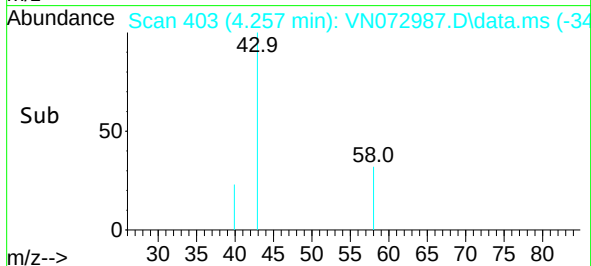
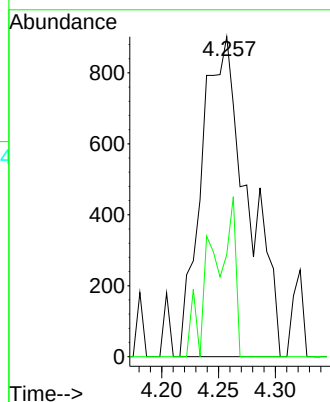
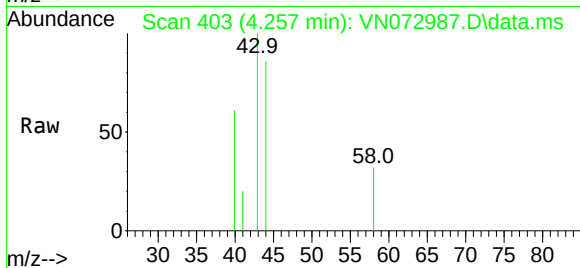
TOLL-MW-10

Tgt Ion: 43 Resp: 2541

Ion Ratio Lower Upper

43 100

58 31.9 26.0 39.0



#18

Methyl Acetate

Concen: 0.294 ug/l

RT: 4.798 min Scan# 495

Delta R.T. 0.018 min

Lab File: VN072987.D

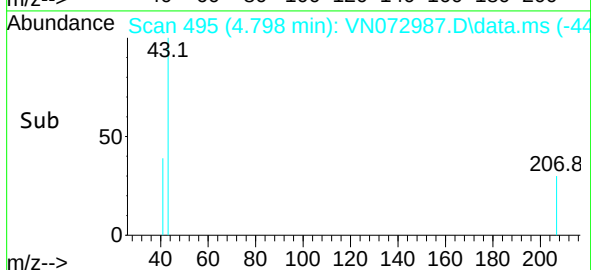
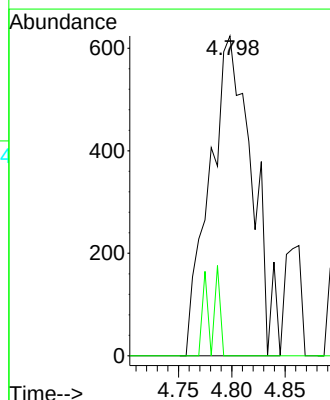
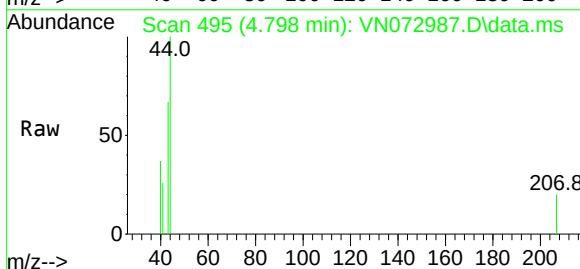
Acq: 21 Jun 2022 16:44

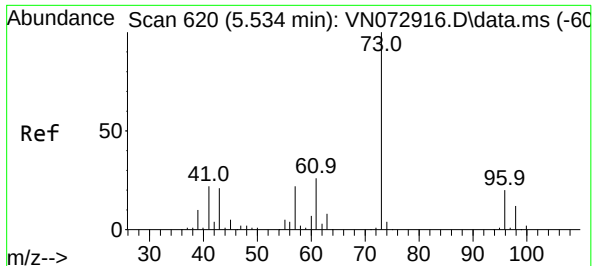
Tgt Ion: 43 Resp: 1724

Ion Ratio Lower Upper

43 100

74 7.0 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 3.776 ug/l

RT: 5.539 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

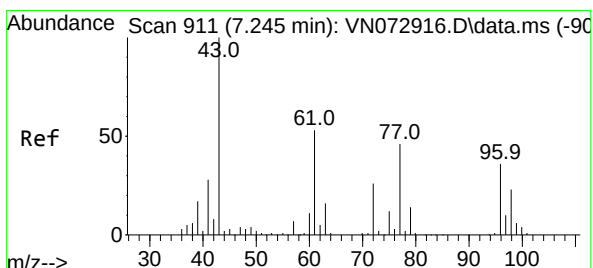
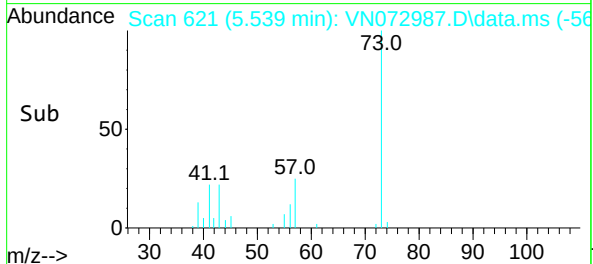
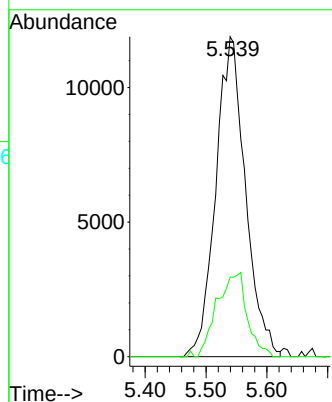
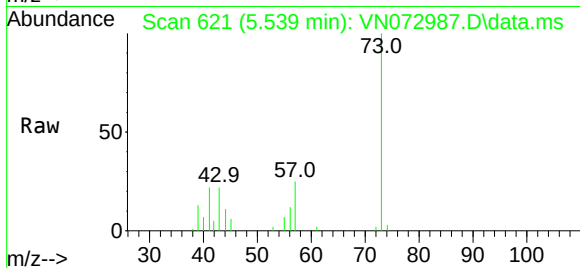
TOLL-MW-10

Tgt Ion: 73 Resp: 40246

Ion Ratio Lower Upper

73 100

57 24.8 17.6 26.4



#27

cis-1,2-Dichloroethene

Concen: 7.170 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.006 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

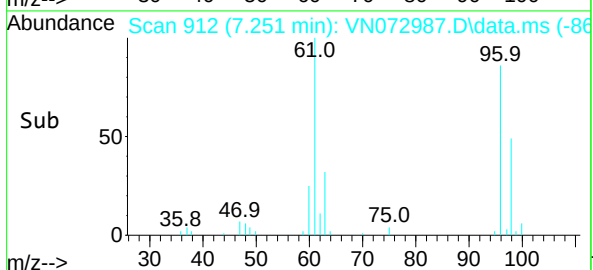
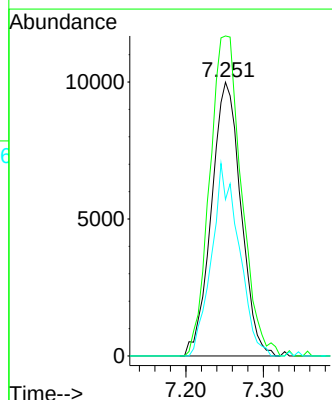
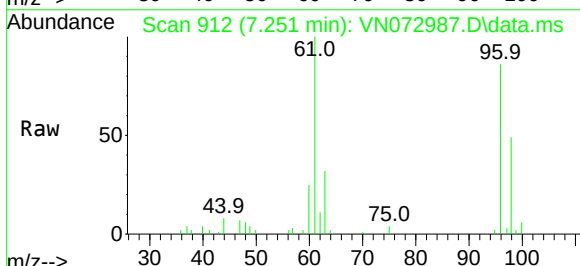
Tgt Ion: 96 Resp: 26445

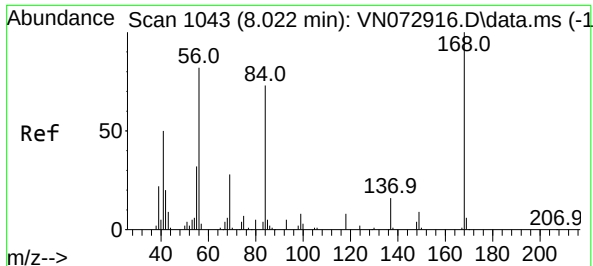
Ion Ratio Lower Upper

96 100

61 125.8 0.0 280.6

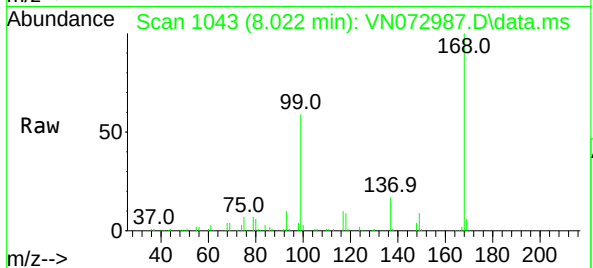
98 65.3 0.0 128.4



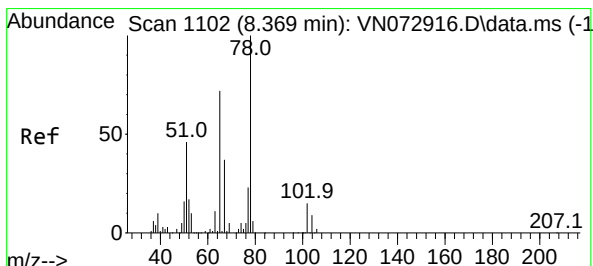
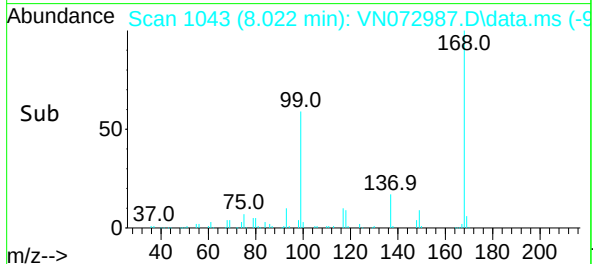
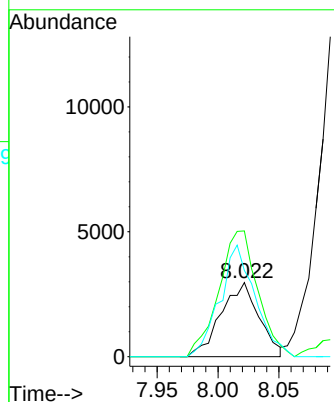


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Instrument :
MSVOA_N
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TOLL-MW-10

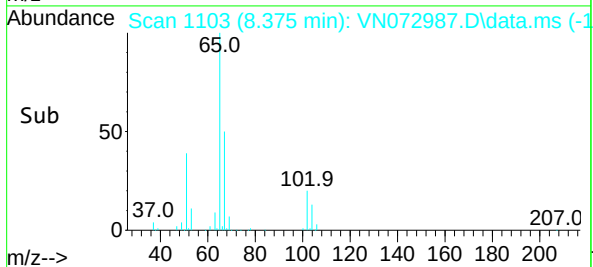
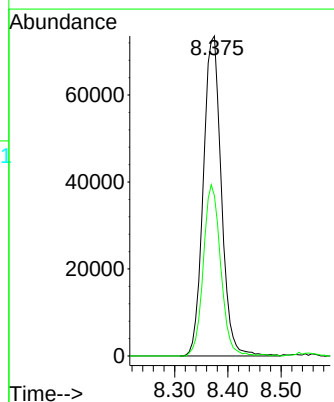
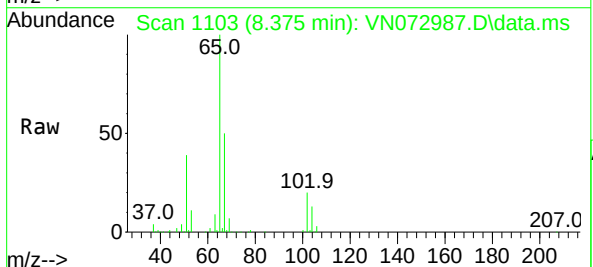


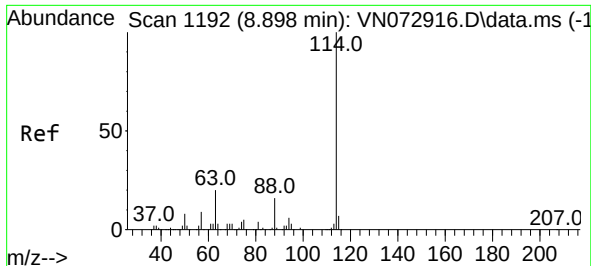
Tgt Ion: 56 Resp: 6455
Ion Ratio Lower Upper
56 100
69 170.0 27.8 41.8#
84 116.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.190 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 65 Resp: 173102
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-10

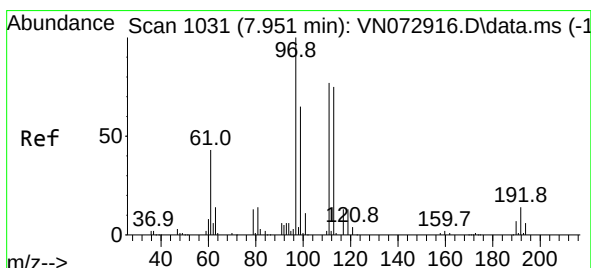
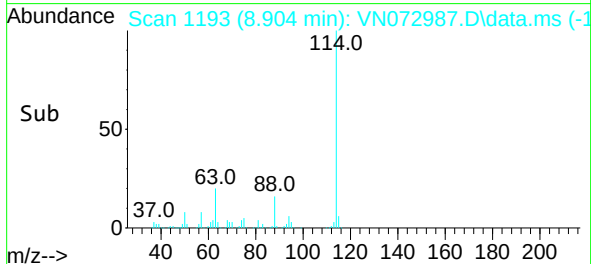
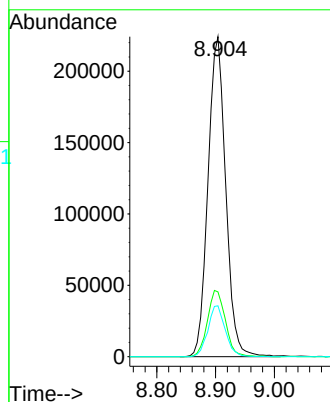
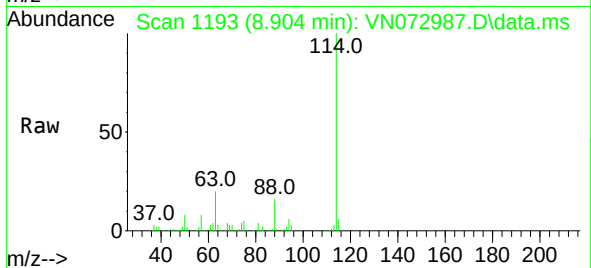
Tgt Ion:114 Resp: 469327

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.430 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

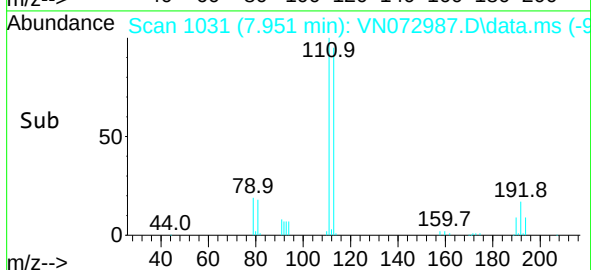
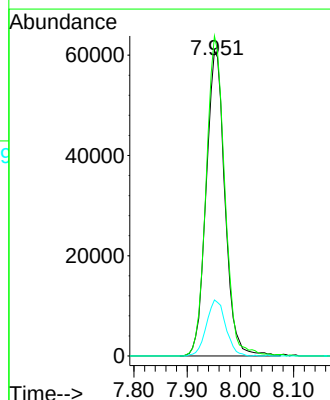
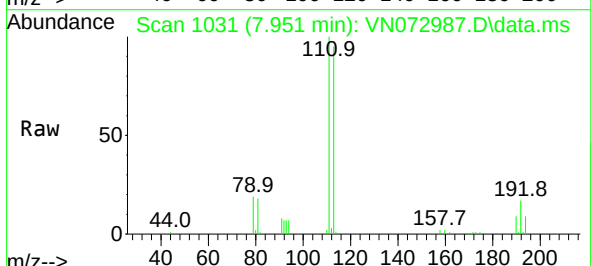
Tgt Ion:113 Resp: 149193

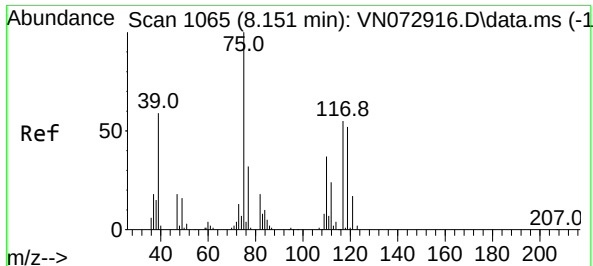
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 18.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.016 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-10

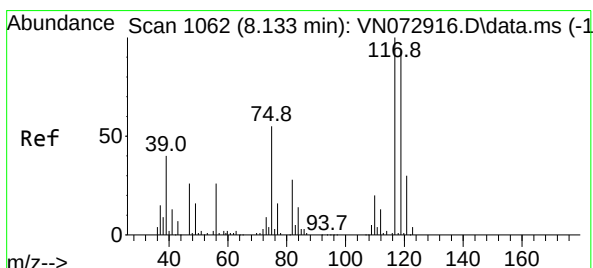
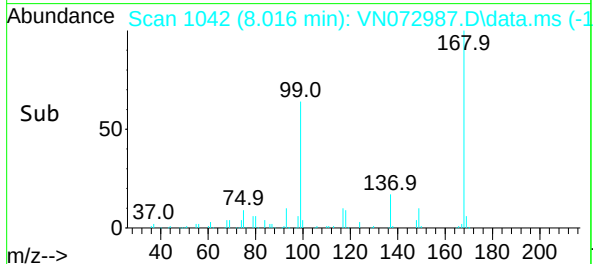
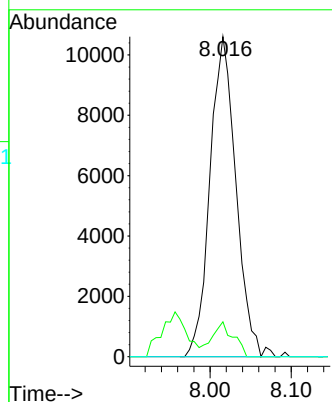
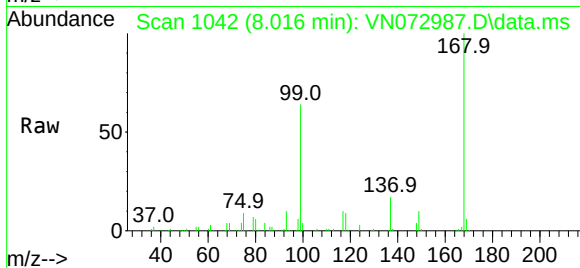
Tgt Ion: 75 Resp: 23613

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.312 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN072987.D

Acq: 21 Jun 2022 16:44

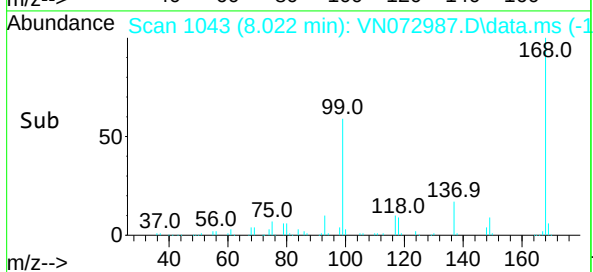
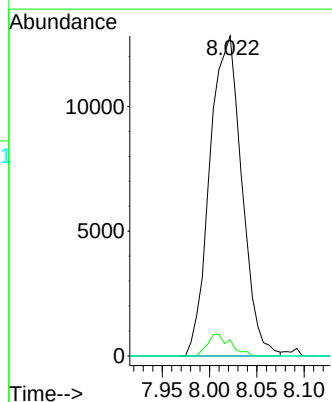
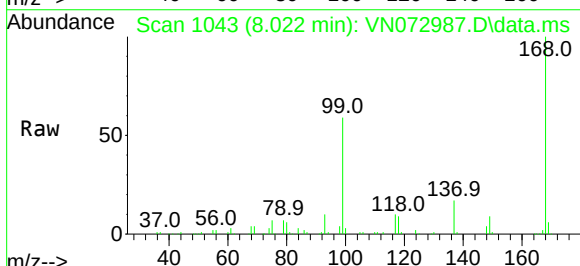
Tgt Ion: 117 Resp: 30188

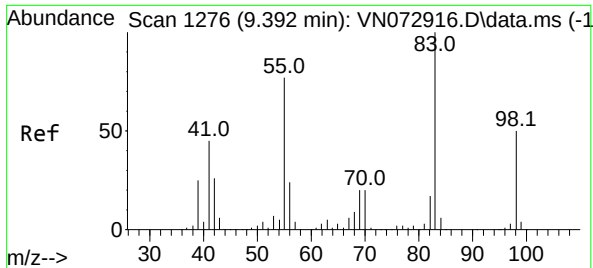
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

121 0.0 24.6 37.0#

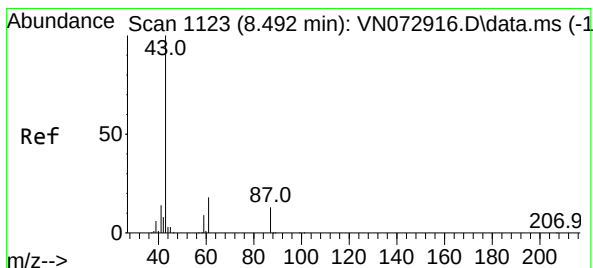
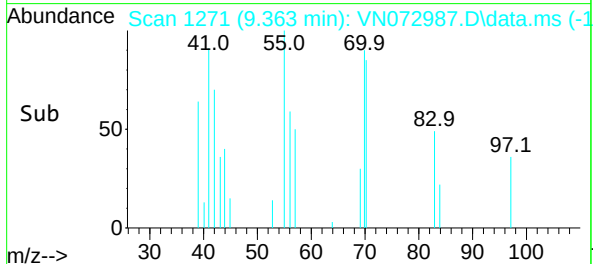
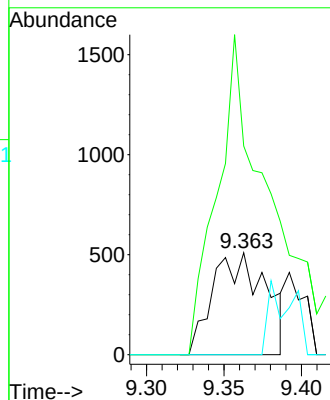
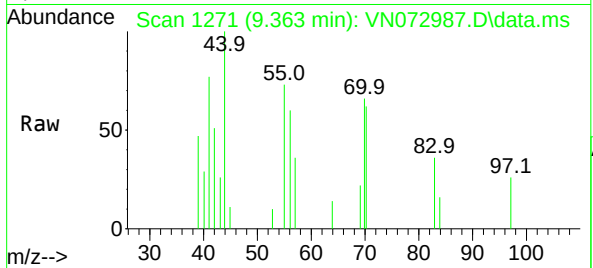




#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 9.363 min Scan# 1127
Delta R.T. -0.029 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

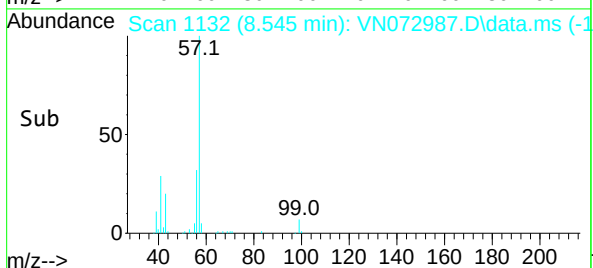
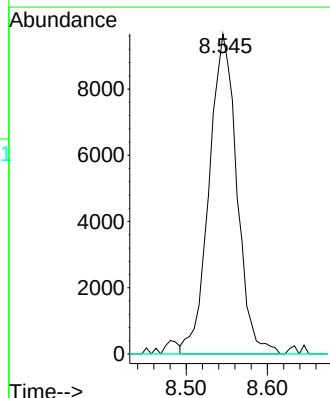
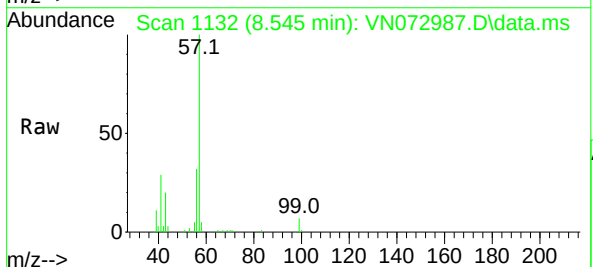
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

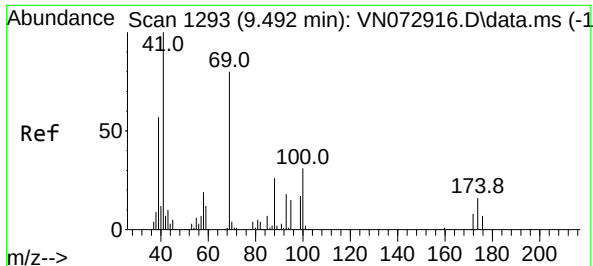
Tgt Ion: 83 Resp: 1212
Ion Ratio Lower Upper
83 100
55 204.5 57.8 86.8#
98 0.0 39.4 59.2#



#43
Isopropyl Acetate
Concen: 2.557 ug/l
RT: 8.545 min Scan# 1132
Delta R.T. 0.053 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 43 Resp: 22952
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

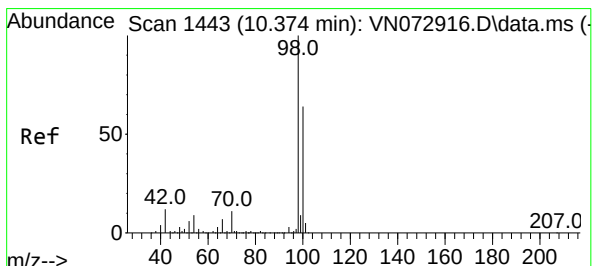
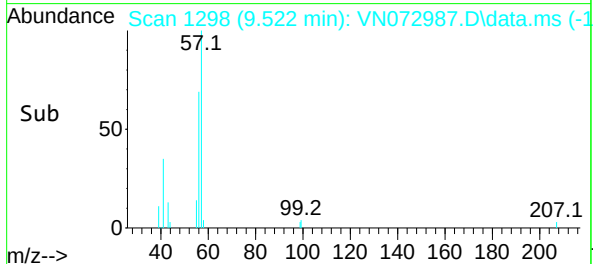
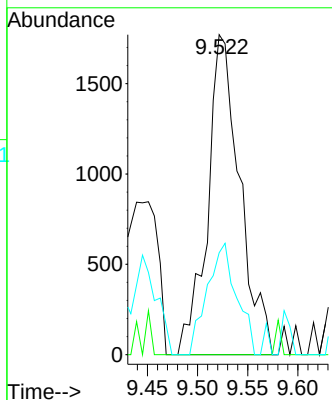
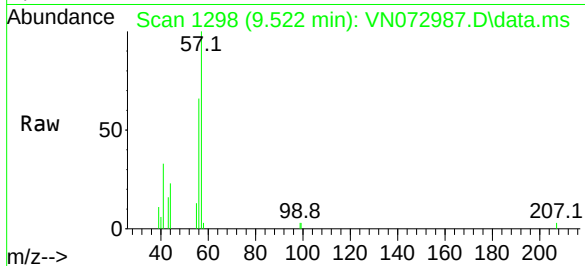




#48
Methyl methacrylate
Concen: 0.966 ug/l
RT: 9.522 min Scan# 1298
Delta R.T. 0.029 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

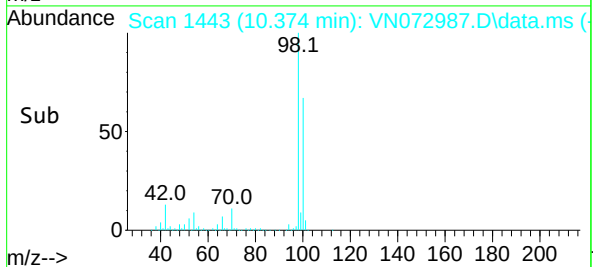
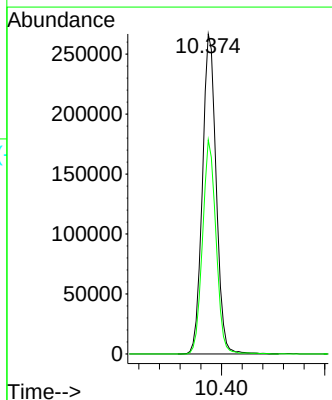
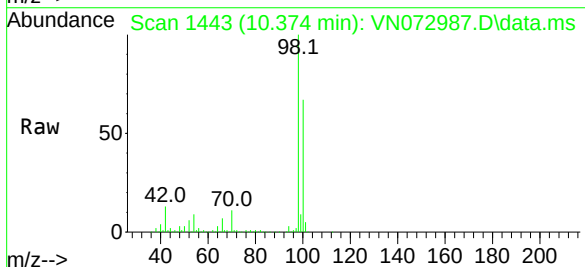
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

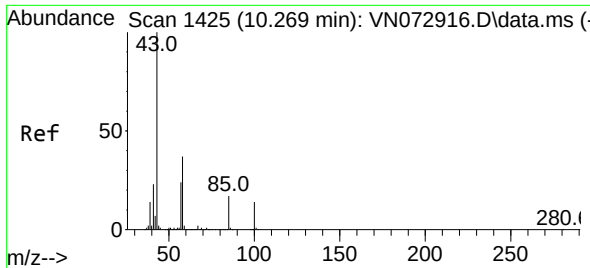
Tgt Ion: 41 Resp: 3960
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 31.9 45.6 68.4#



#50
Toluene-d8
Concen: 45.712 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 98 Resp: 493423
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

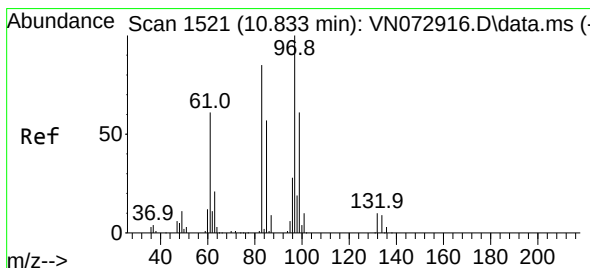
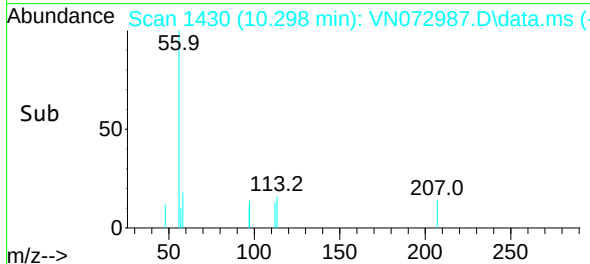
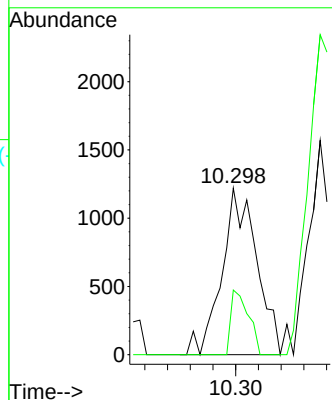
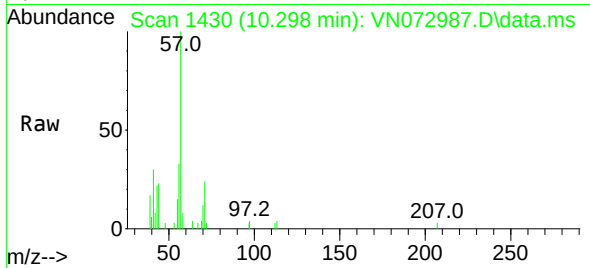




#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 10.298 min Scan# 1425
Delta R.T. 0.029 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

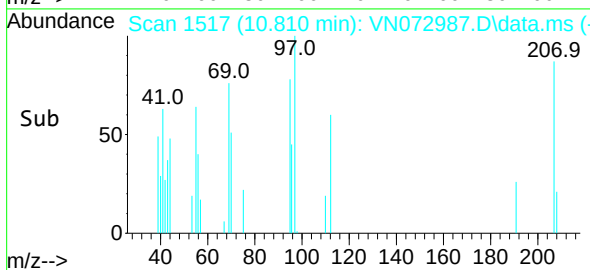
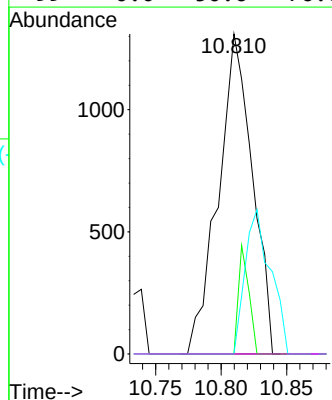
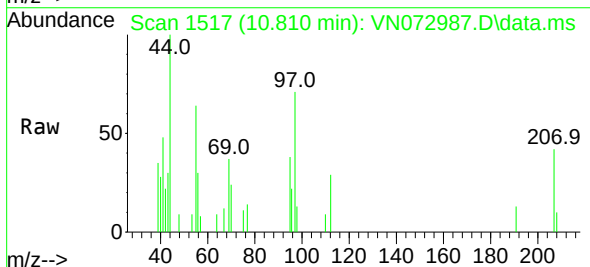
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

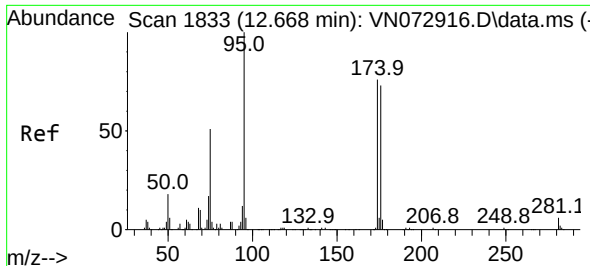
Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
58 19.6 34.1 51.1#



#55
1,1,2-Trichloroethane
Concen: 0.712 ug/l
RT: 10.810 min Scan# 1517
Delta R.T. -0.024 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 97 Resp: 2368
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 43.9 65.9#
99 0.0 50.6 76.0#

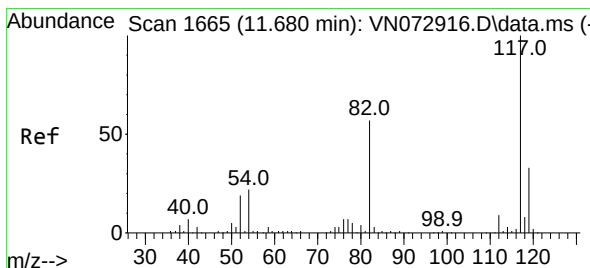
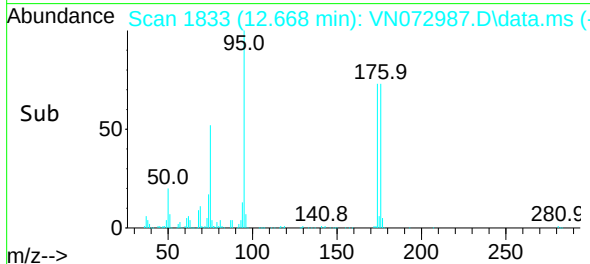
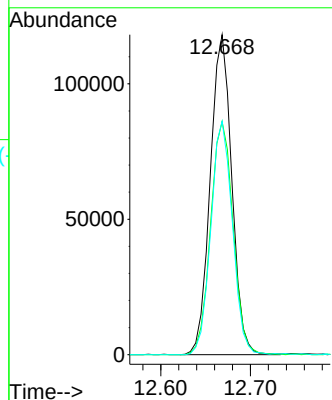
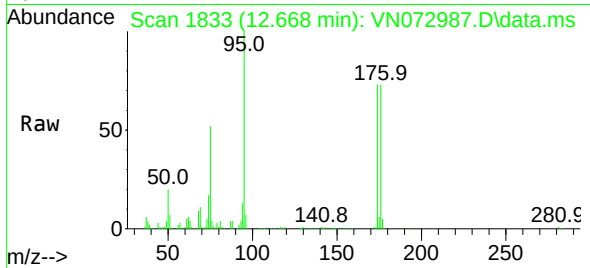




#62
4-Bromofluorobenzene
Concen: 50.780 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

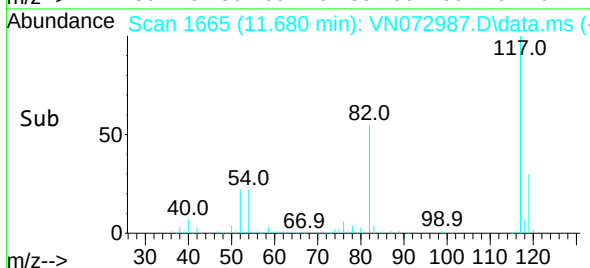
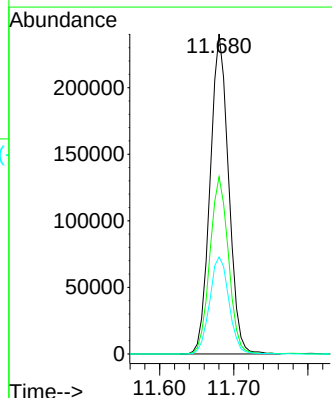
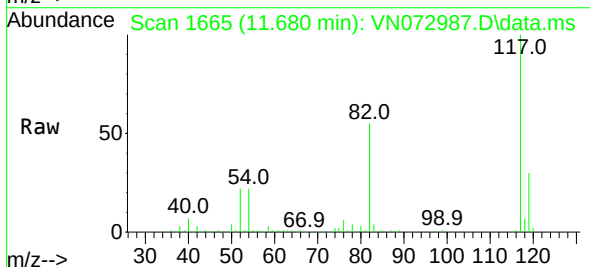
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

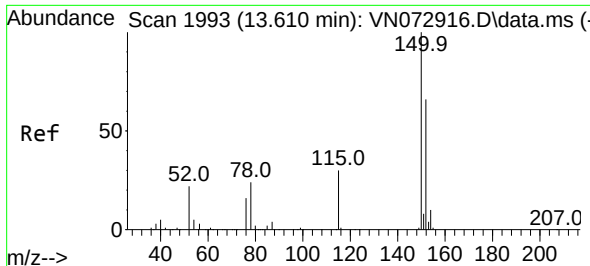
Tgt Ion: 95 Resp: 197098
Ion Ratio Lower Upper
95 100
174 76.1 0.0 167.6
176 72.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VN072987.D
Acq: 21 Jun 2022 16:44

Tgt Ion: 117 Resp: 415993
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 30.3 25.4 38.0

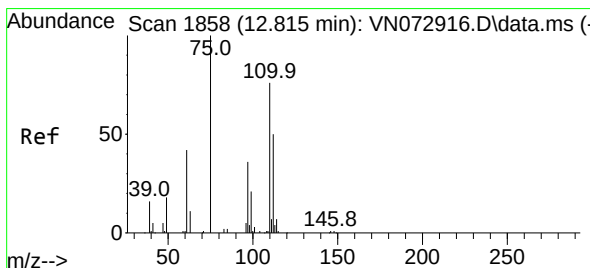
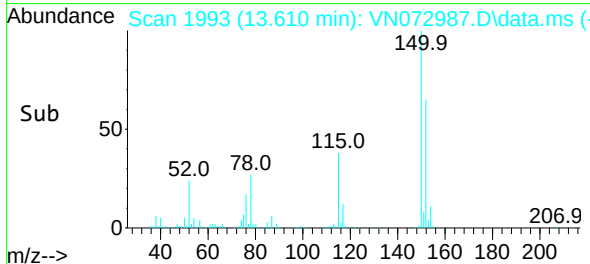
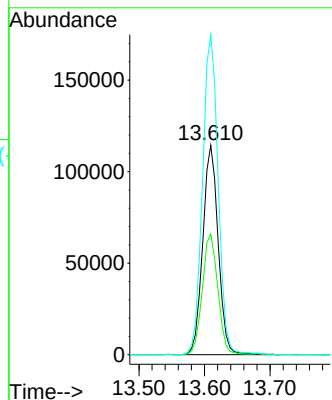
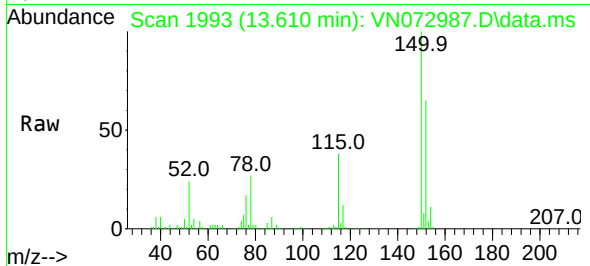




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN072987.D
 Acq: 21 Jun 2022 16:44

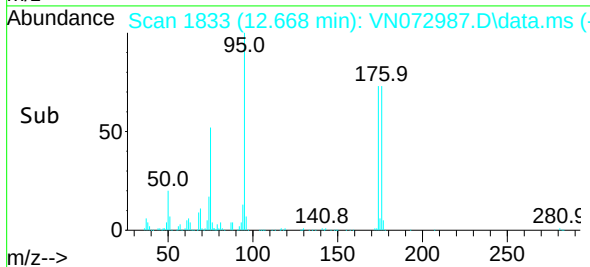
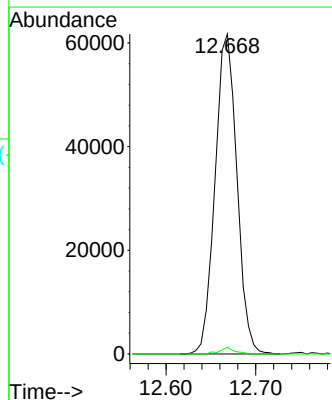
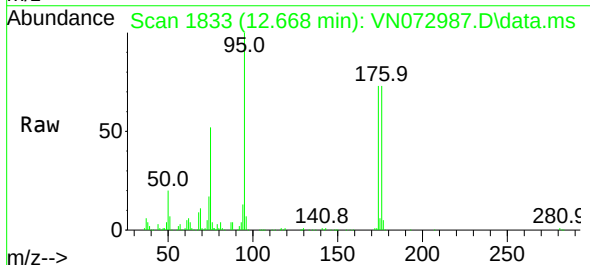
Instrument :
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 ClientSampleId :
 TOLL-MW-10

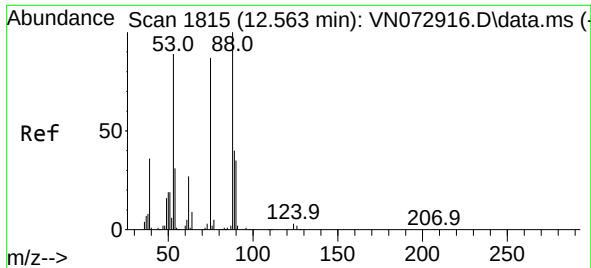
Tgt Ion:152 Resp: 187475
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.9 86.7
 150 155.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.923 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072987.D
 Acq: 21 Jun 2022 16:44

Tgt Ion: 75 Resp: 104191
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.906 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072987.D
 Acq: 21 Jun 2022 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-10

Tgt Ion: 75 Resp: 104191
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

