

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN072985.D
 Acq On : 21 Jun 2022 15:55
 Operator : JC\MD
 Sample : N3379-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-04

Quant Time: Jun 22 07:01:08 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)

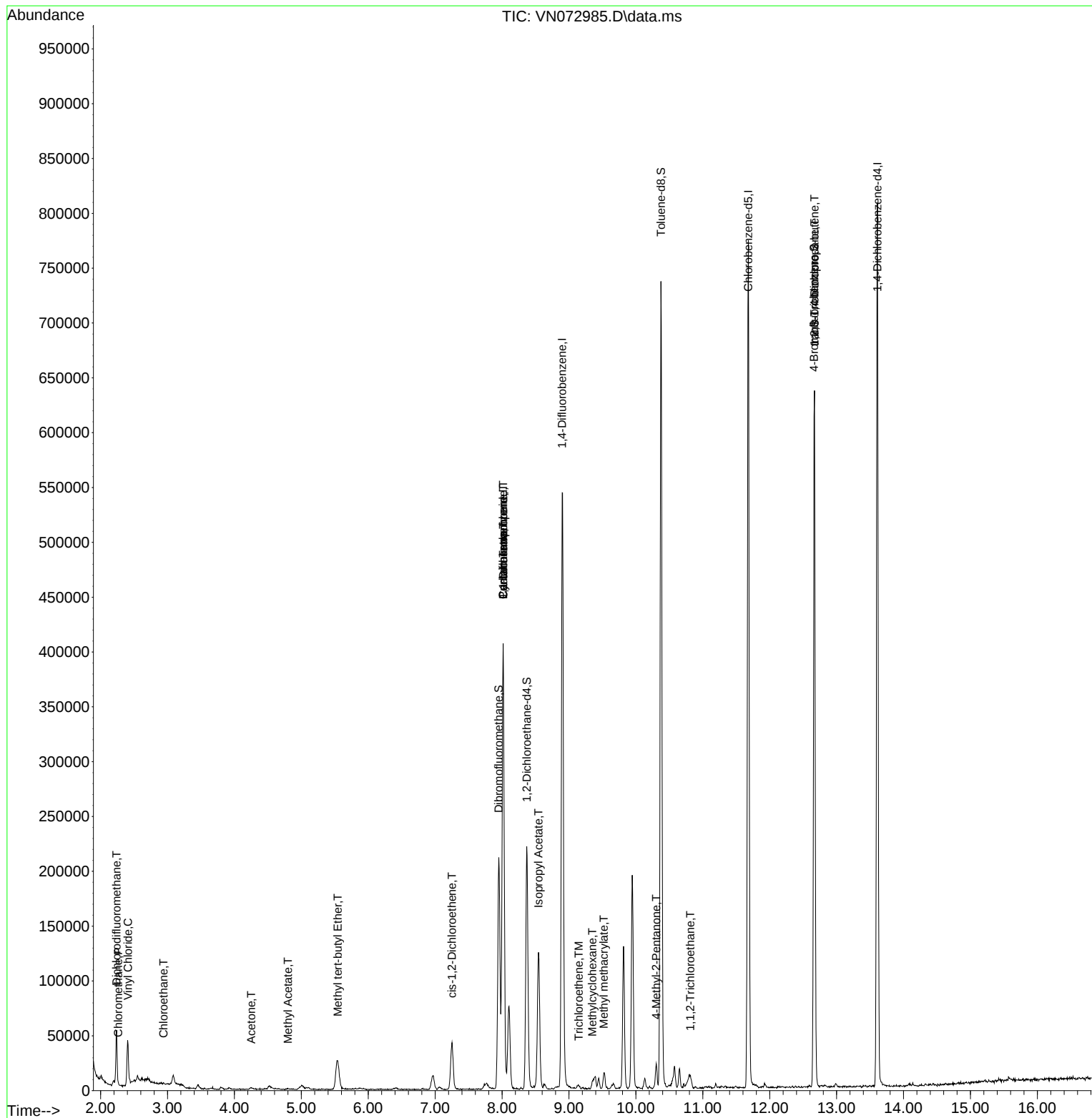
Internal Standards						
1) Pentafluorobenzene	8.016	168	302234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	492499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	448761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	224429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	182050	44.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.100%		
35) Dibromofluoromethane	7.951	113	154788	50.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.700%		
50) Toluene-d8	10.375	98	509201	44.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.663	95	219849	53.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.240	85	4653	1.617	ug/l	97
3) Chloromethane	2.263	50	592	0.758	ug/l #	43
4) Vinyl Chloride	2.410	62	19185	7.434	ug/l #	84
6) Chloroethane	2.940	64	1021	0.632	ug/l #	85
16) Acetone	4.251	43	3165	1.409	ug/l #	42
18) Methyl Acetate	4.798	43	1601	0.268	ug/l #	58
19) Methyl tert-butyl Ether	5.545	73	40392	3.717	ug/l	92
20) Methylene Chloride	5.022	84	399	Below Cal	#	68
27) cis-1,2-Dichloroethene	7.251	96	26581	7.068	ug/l	88
31) Cyclohexane	8.016	56	7173	1.298	ug/l #	26
36) 1,1-Dichloropropene	8.016	75	24115	5.855	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29550	6.820	ug/l #	15
39) Methylcyclohexane	9.351	83	1536	0.309	ug/l #	1
43) Isopropyl Acetate	8.545	43	26566	2.821	ug/l #	53
44) Trichloroethene	9.145	130	747	0.228	ug/l	66
48) Methyl methacrylate	9.522	41	4679	1.088	ug/l #	29
51) 4-Methyl-2-Pentanone	10.304	43	3131	0.510	ug/l #	63
55) 1,1,2-Trichloroethane	10.816	97	2684	0.769	ug/l #	34
76) 1,2,3-Trichloropropane	12.669	75	114605	21.062	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	114605	56.881	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.433	75	54	Below Cal	#	1

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

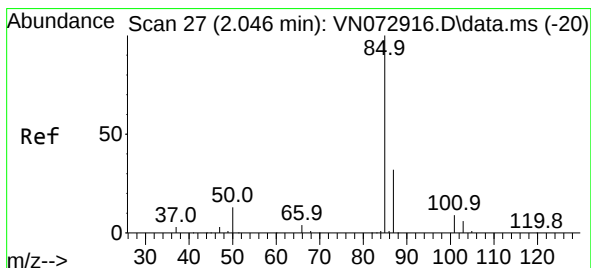
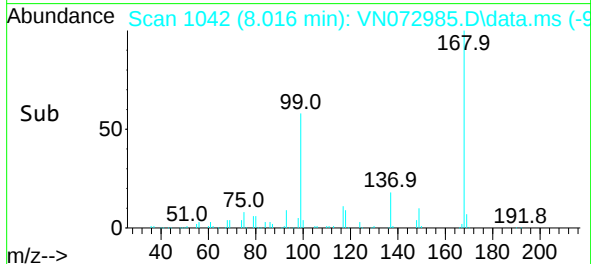
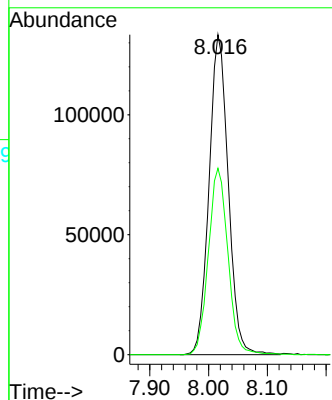
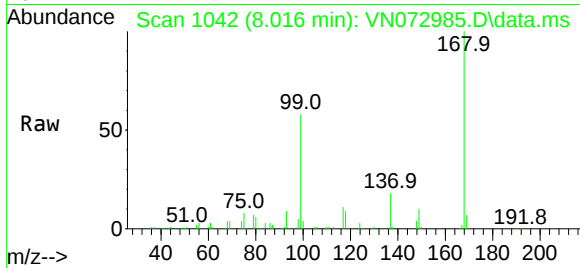




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

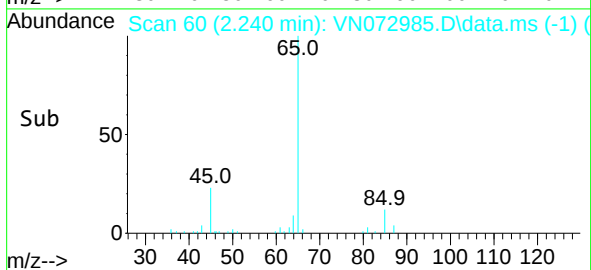
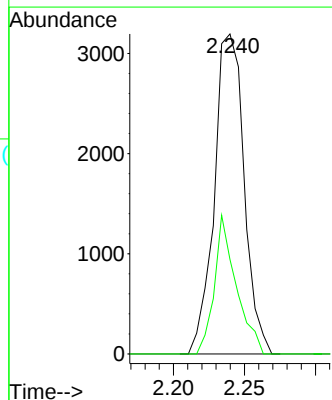
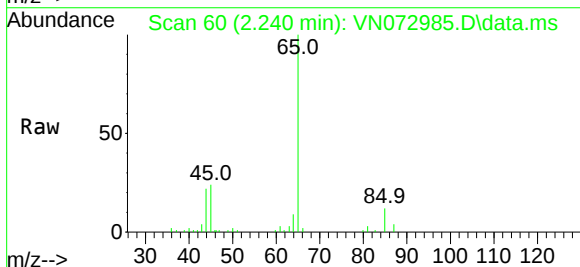
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MSVOA_N
ClientSampleId :
TOLL-MW-04

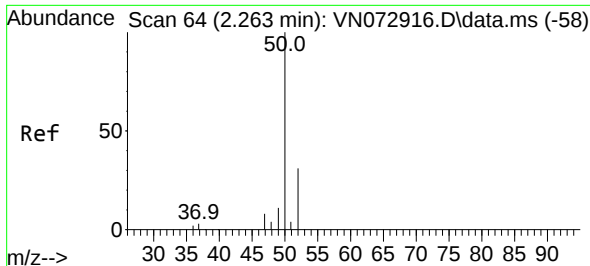
Tgt Ion:168 Resp: 302234
Ion Ratio Lower Upper
168 100
99 58.2 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 1.617 ug/l
RT: 2.240 min Scan# 60
Delta R.T. 0.194 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 85 Resp: 4653
Ion Ratio Lower Upper
85 100
87 29.6 15.7 47.1

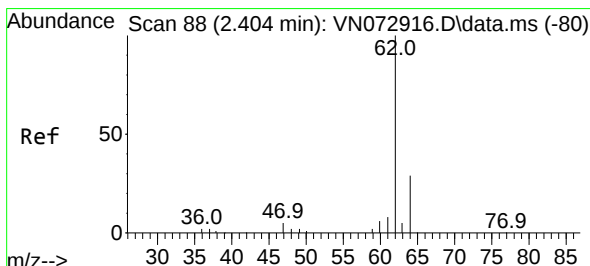
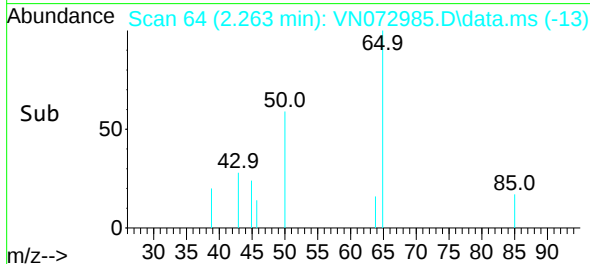
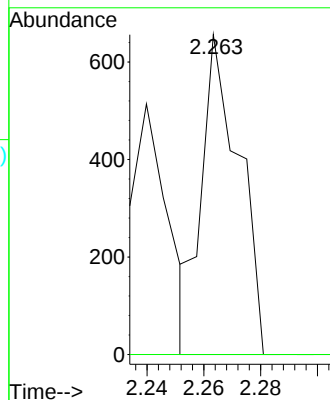
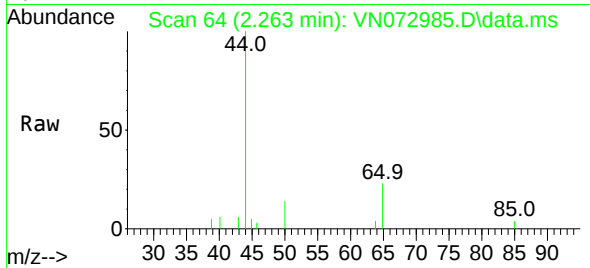




#3
Chloromethane
Concen: 0.758 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

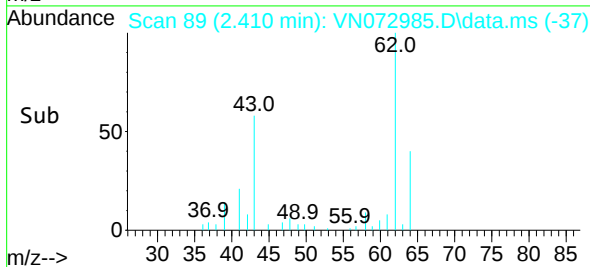
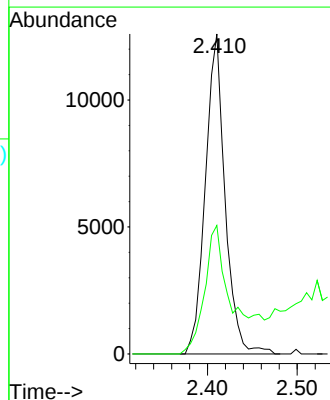
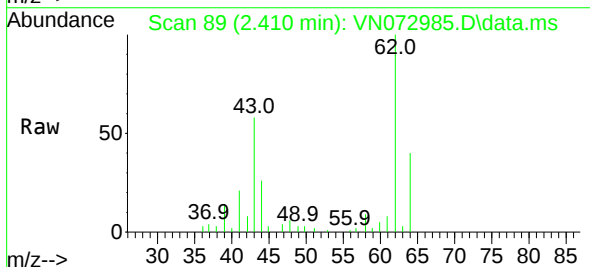
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MSVOA_N
ClientSampleId :
TOLL-MW-04

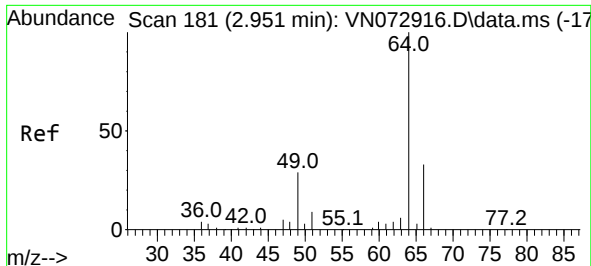
Tgt Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



#4
Vinyl Chloride
Concen: 7.434 ug/l
RT: 2.410 min Scan# 89
Delta R.T. 0.006 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 62 Resp: 19185
Ion Ratio Lower Upper
62 100
64 40.1 25.0 37.4#

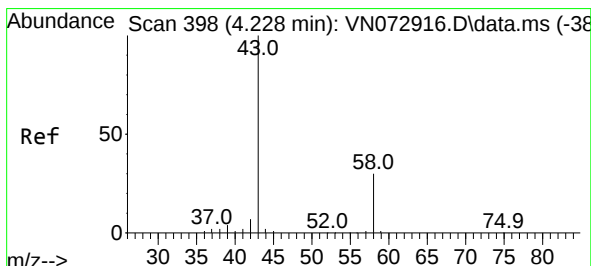
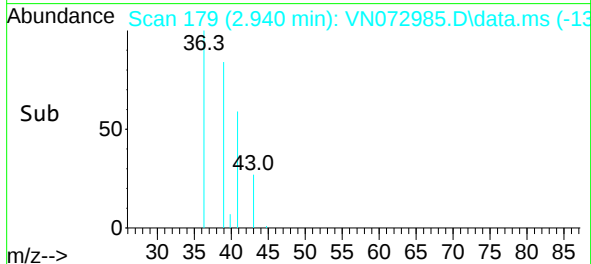
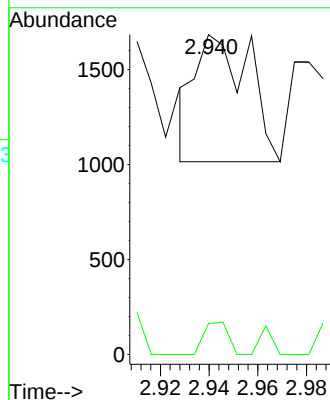
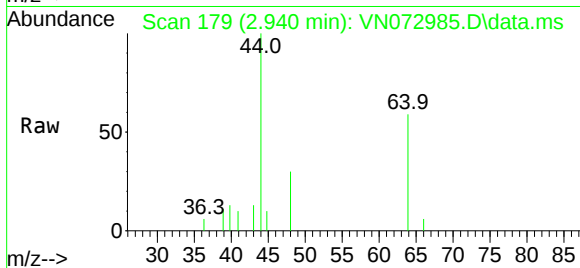




#6
Chloroethane
Concen: 0.632 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

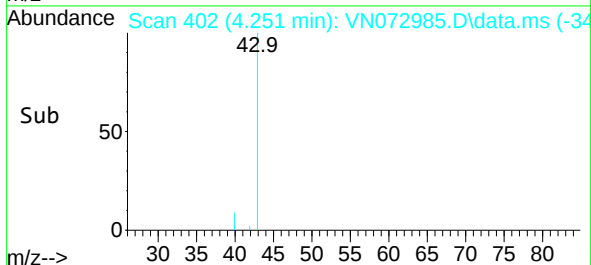
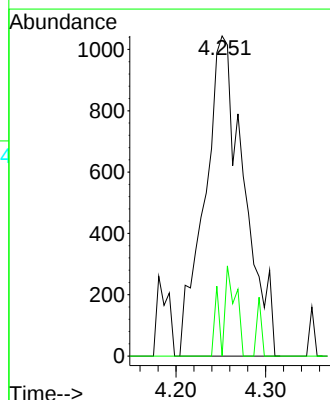
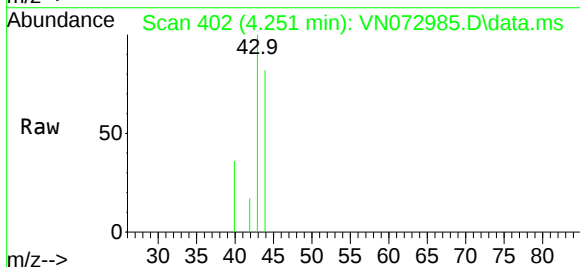
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-04

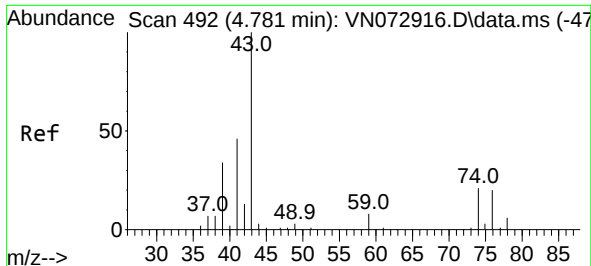
Tgt Ion: 64 Resp: 1021
Ion Ratio Lower Upper
64 100
66 24.4 26.2 39.4#



#16
Acetone
Concen: 1.409 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

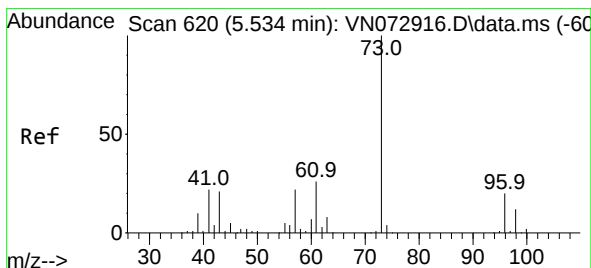
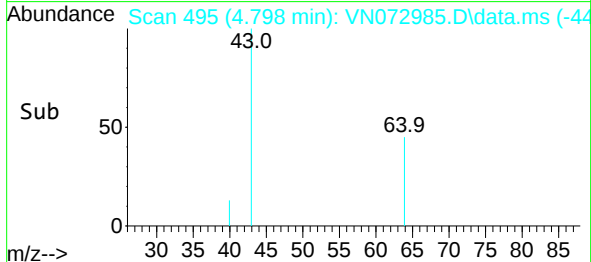
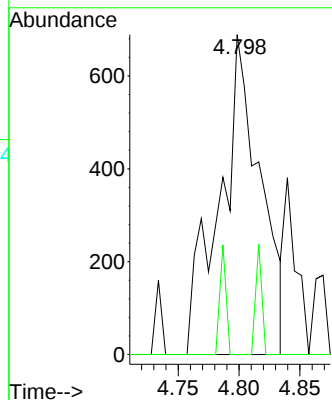
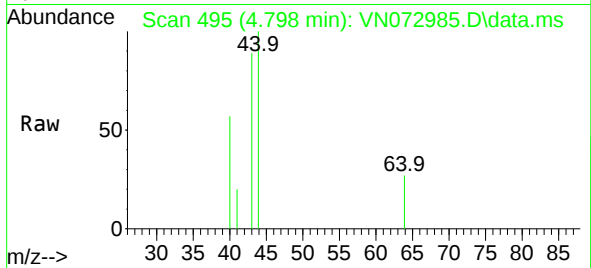




#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 4.798 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

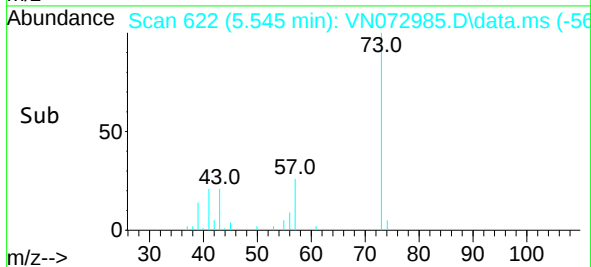
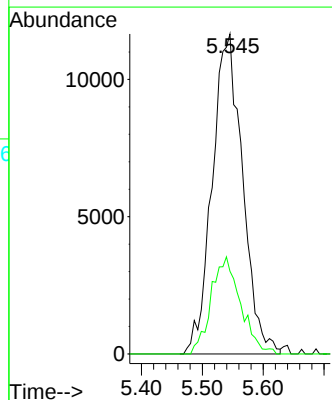
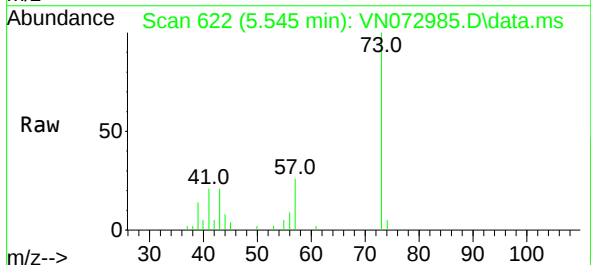
Instrument :
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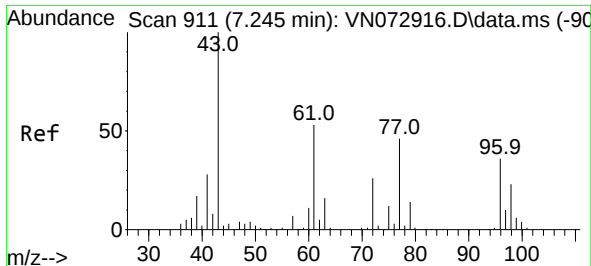
Tgt Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
74 5.2 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 3.717 ug/l
RT: 5.545 min Scan# 622
Delta R.T. 0.012 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 73 Resp: 40392
Ion Ratio Lower Upper
73 100
57 25.8 17.6 26.4





#27

cis-1,2-Dichloroethene

Concen: 7.068 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN072985.D

Acq: 21 Jun 2022 15:55

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-04

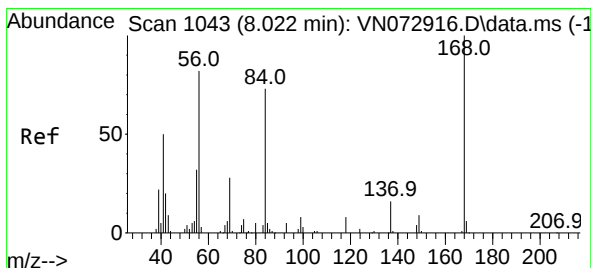
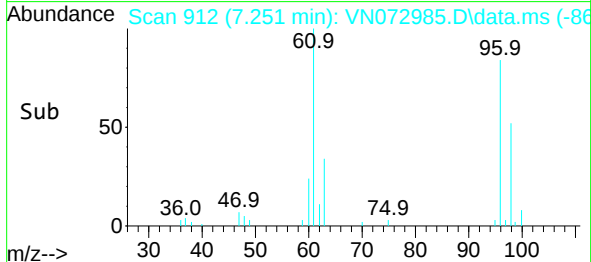
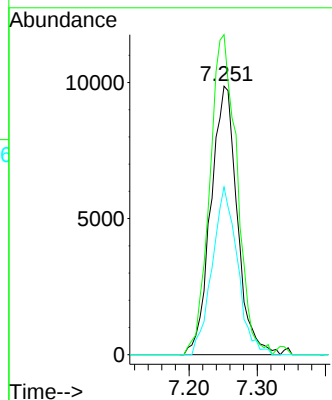
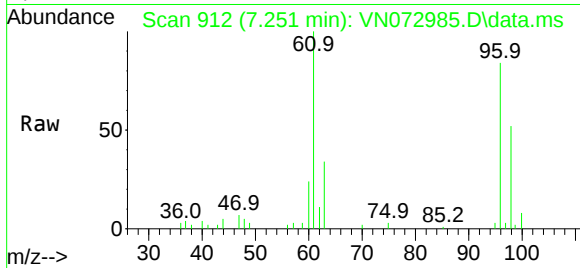
Tgt Ion: 96 Resp: 26581

Ion Ratio Lower Upper

96 100

61 122.9 0.0 280.6

98 59.8 0.0 128.4



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN072985.D

Acq: 21 Jun 2022 15:55

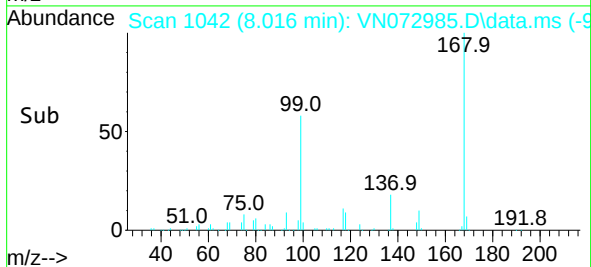
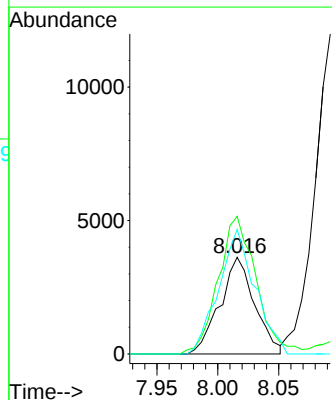
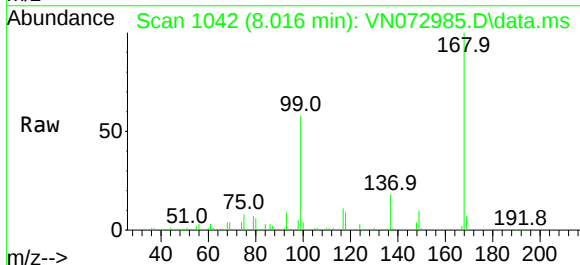
Tgt Ion: 56 Resp: 7173

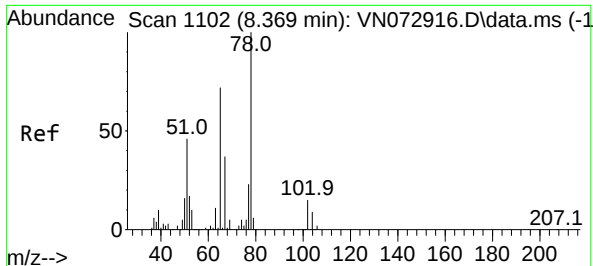
Ion Ratio Lower Upper

56 100

69 142.4 27.8 41.8#

84 128.9 76.9 115.3#

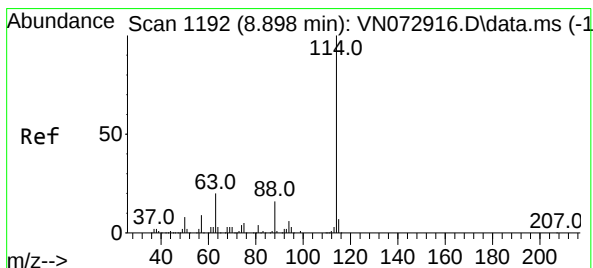
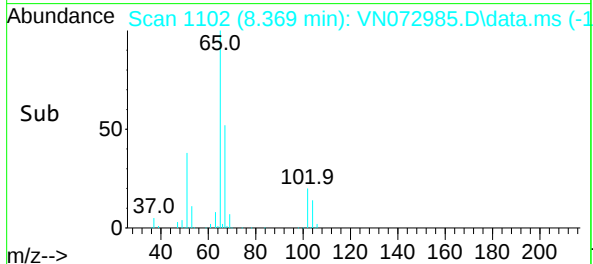
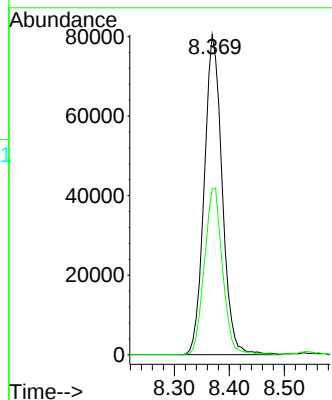
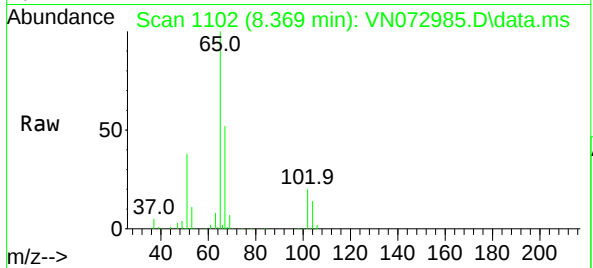




#33
 1,2-Dichloroethane-d4
 Concen: 44.553 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN072985.D
 Acq: 21 Jun 2022 15:55

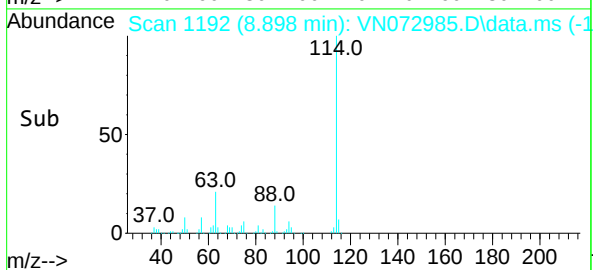
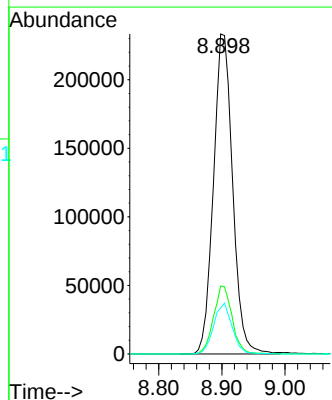
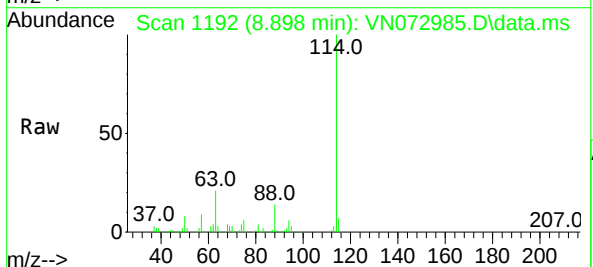
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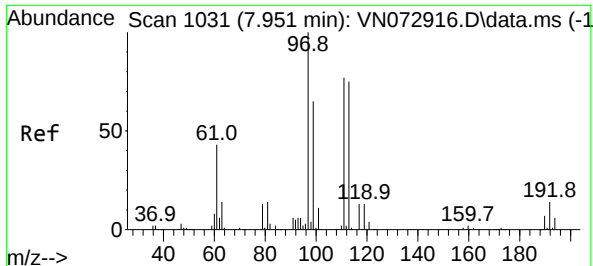
Tgt Ion: 65 Resp: 182050
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.898 min Scan# 1192
 Delta R.T. 0.000 min
 Lab File: VN072985.D
 Acq: 21 Jun 2022 15:55

Tgt Ion: 114 Resp: 492499
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.0
 88 14.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.849 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN072985.D

Acq: 21 Jun 2022 15:55

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-04

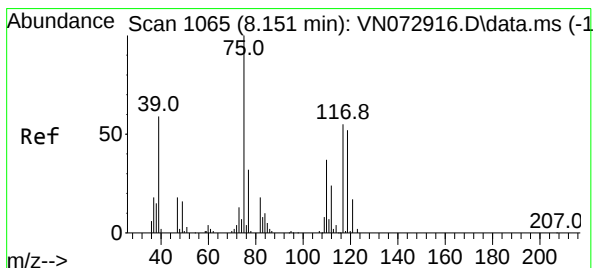
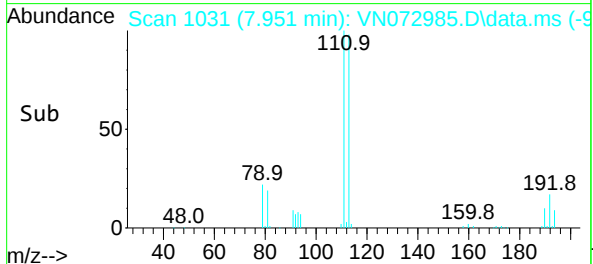
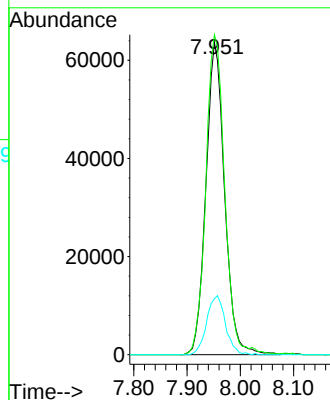
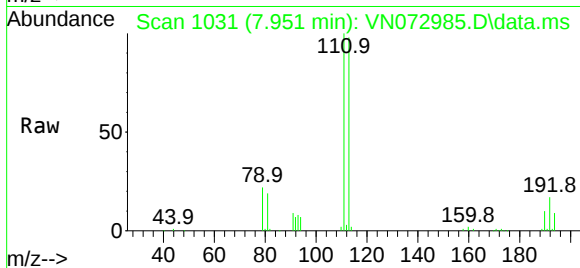
Tgt Ion:113 Resp: 154788

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 19.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.855 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN072985.D

Acq: 21 Jun 2022 15:55

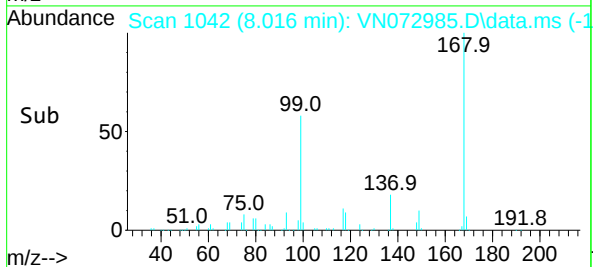
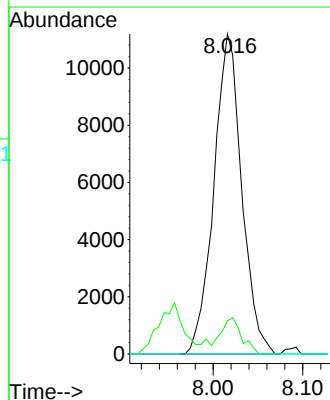
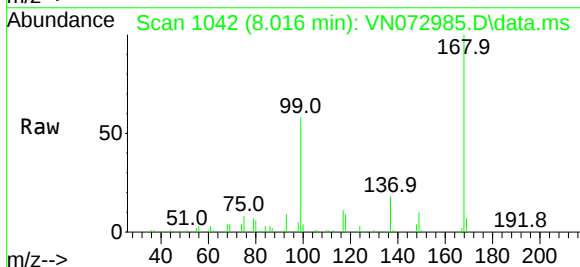
Tgt Ion: 75 Resp: 24115

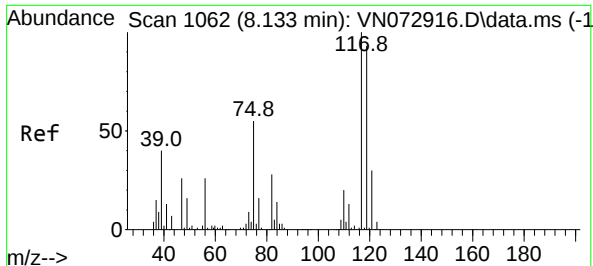
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#

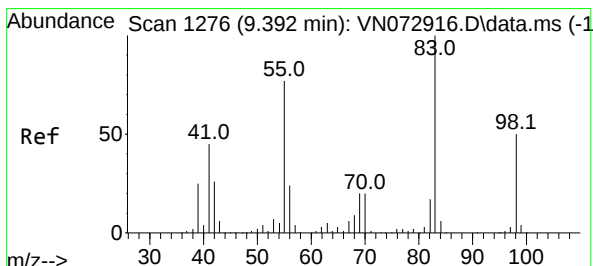
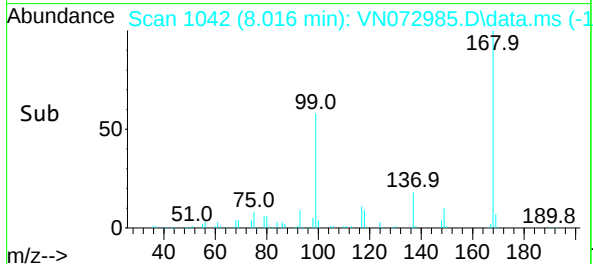
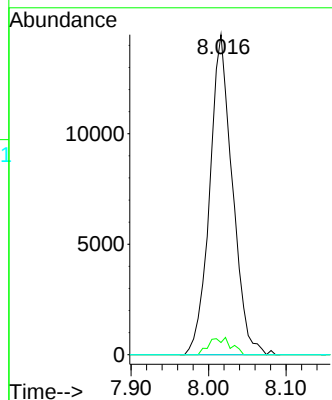
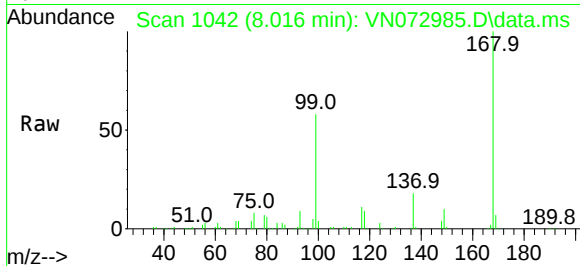




#38
Carbon Tetrachloride
Concen: 6.820 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

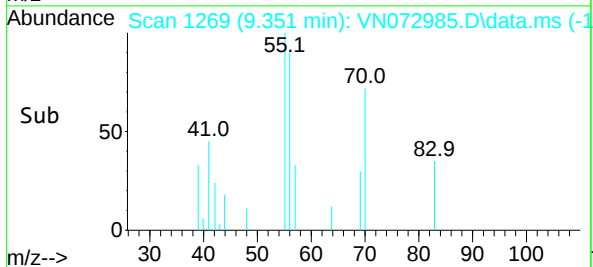
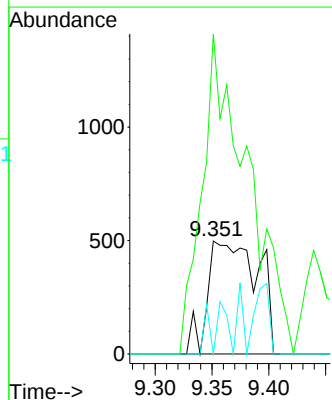
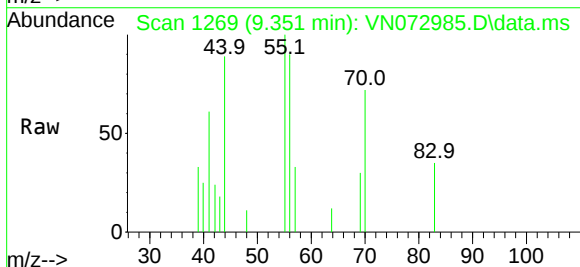
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-04

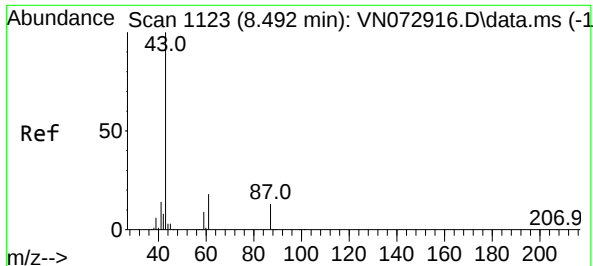
Tgt Ion:117 Resp: 29550
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.309 ug/l
RT: 9.351 min Scan# 1269
Delta R.T. -0.041 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 83 Resp: 1536
Ion Ratio Lower Upper
83 100
55 283.1 57.8 86.8#
98 0.0 39.4 59.2#





#43

Isopropyl Acetate

Concen: 2.821 ug/l

RT: 8.545 min Scan# 1123

Delta R.T. 0.053 min

Lab File: VN072985.D

Acq: 21 Jun 2022 15:55

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-04

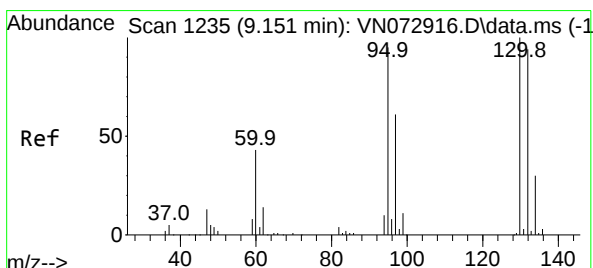
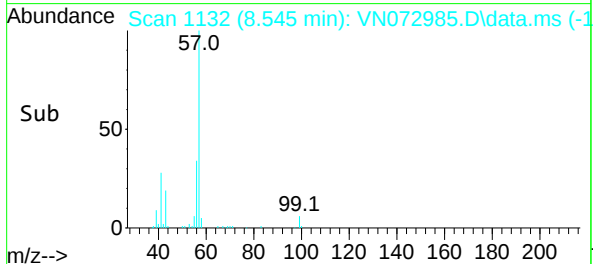
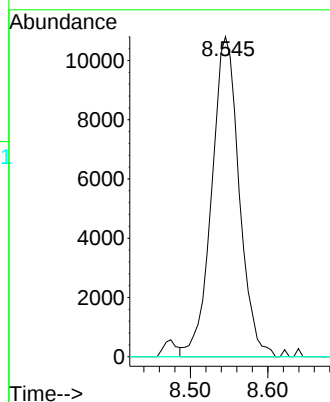
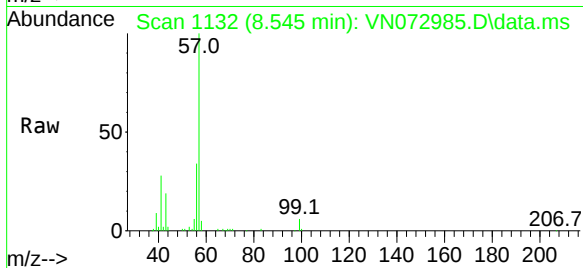
Tgt Ion: 43 Resp: 26566

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#44

Trichloroethene

Concen: 0.228 ug/l

RT: 9.145 min Scan# 1234

Delta R.T. -0.006 min

Lab File: VN072985.D

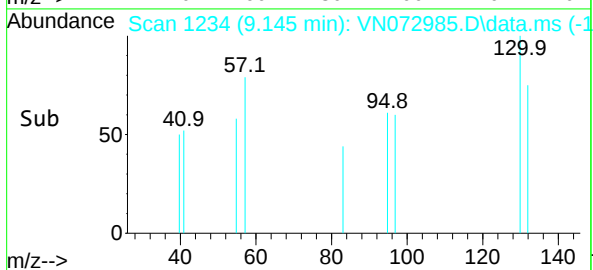
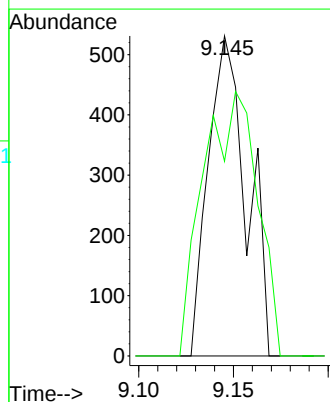
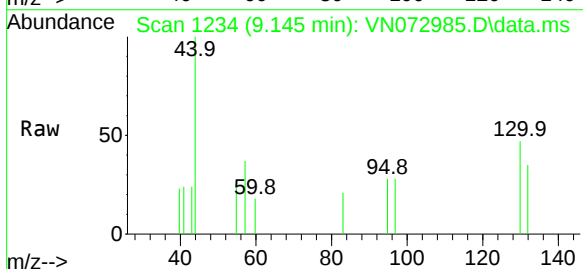
Acq: 21 Jun 2022 15:55

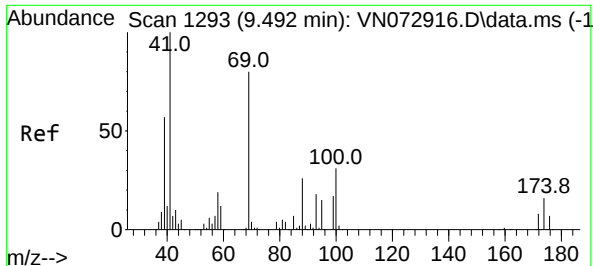
Tgt Ion: 130 Resp: 747

Ion Ratio Lower Upper

130 100

95 60.8 0.0 186.8

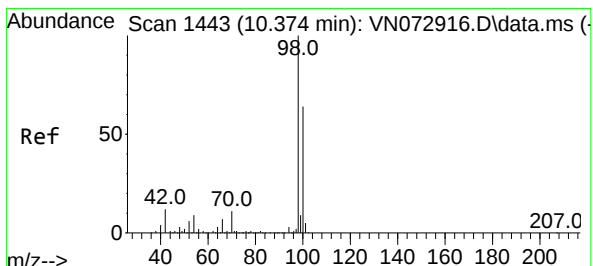
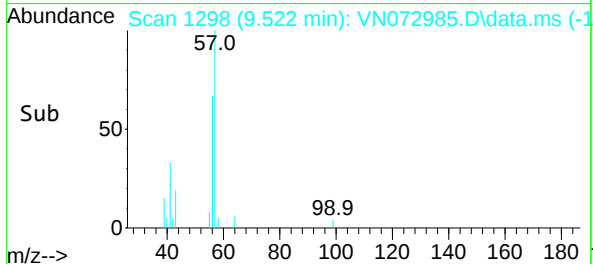
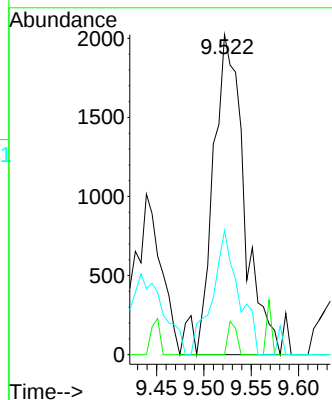
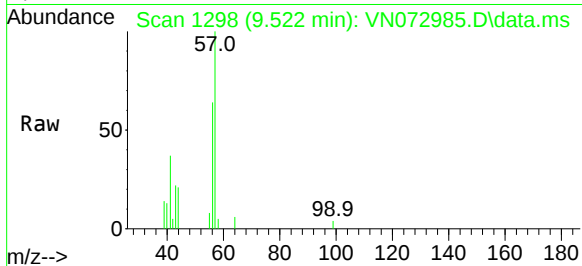




#48
Methyl methacrylate
Concen: 1.088 ug/l
RT: 9.522 min Scan# 1298
Delta R.T. 0.030 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

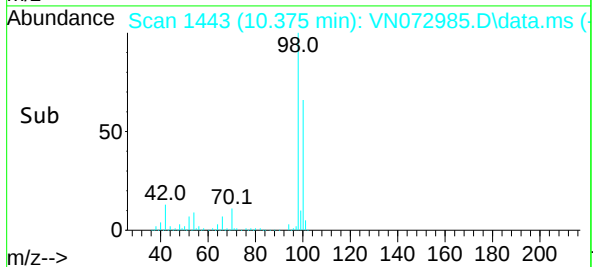
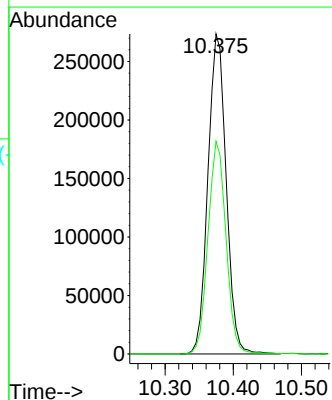
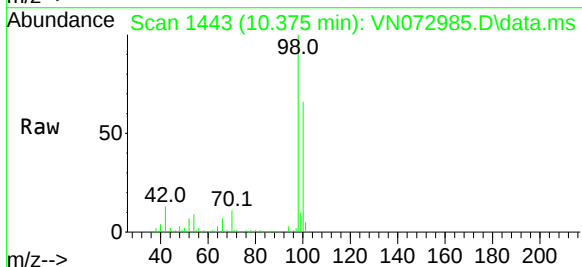
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-04

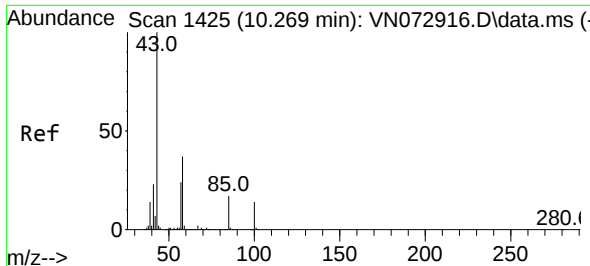
Tgt Ion: 41 Resp: 4679
Ion Ratio Lower Upper
41 100
69 2.8 74.7 112.1#
39 32.7 45.6 68.4#



#50
Toluene-d8
Concen: 44.954 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 98 Resp: 509201
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

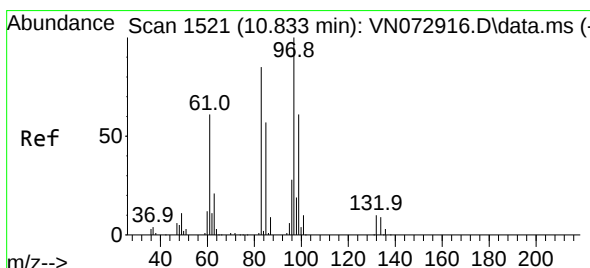
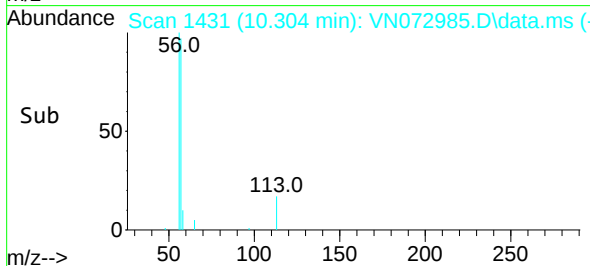
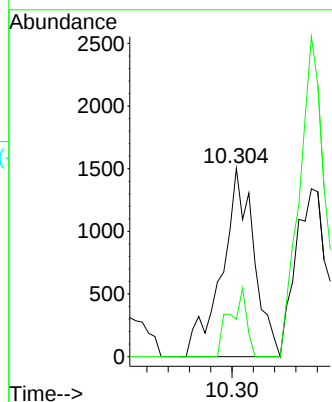
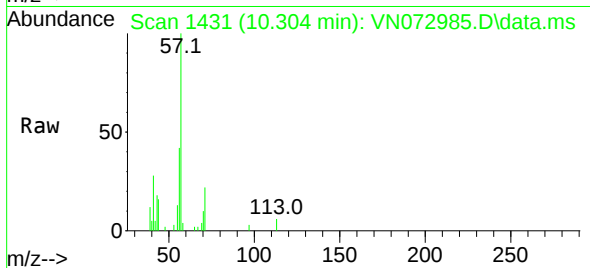




#51
4-Methyl-2-Pentanone
Concen: 0.510 ug/l
RT: 10.304 min Scan# 1425
Delta R.T. 0.035 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

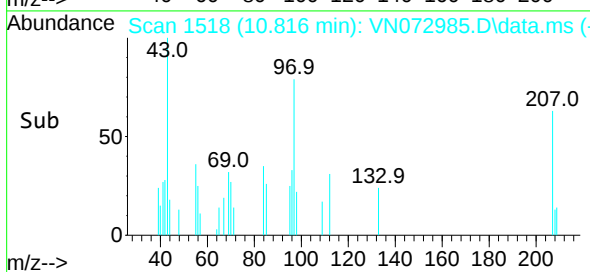
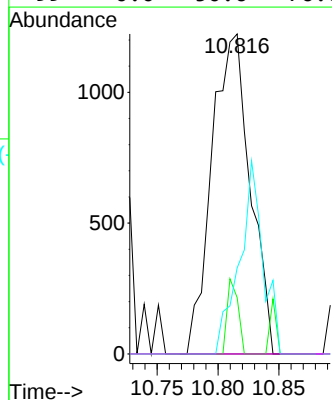
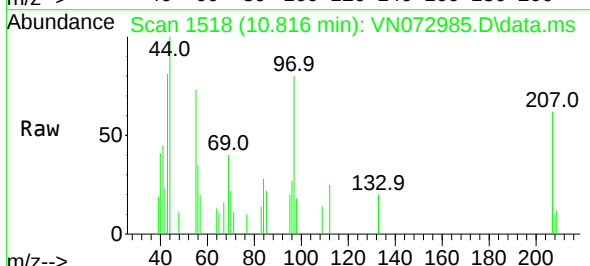
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-04

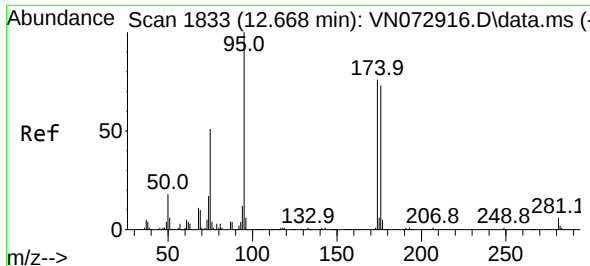
Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
58 19.3 34.1 51.1#



#55
1,1,2-Trichloroethane
Concen: 0.769 ug/l
RT: 10.816 min Scan# 1518
Delta R.T. -0.018 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 97 Resp: 2684
Ion Ratio Lower Upper
97 100
83 17.6 66.2 99.4#
85 26.9 43.9 65.9#
99 0.0 50.6 76.0#

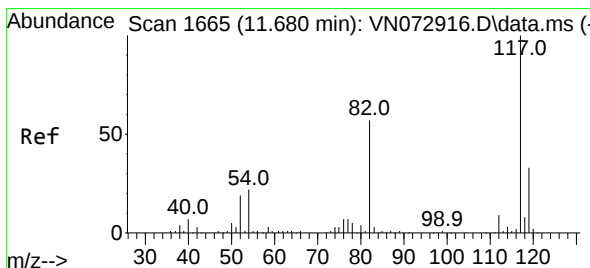
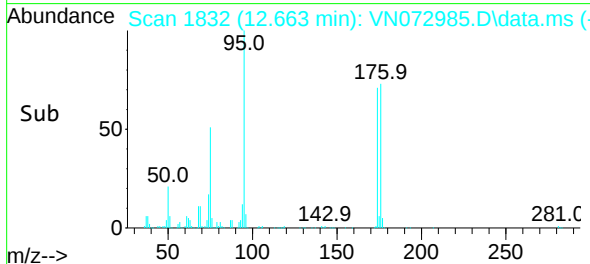
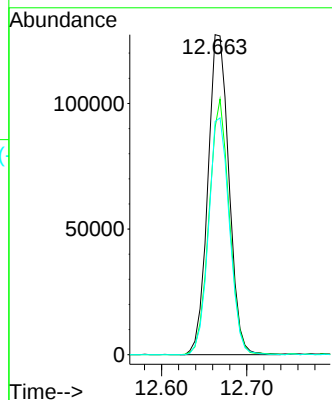
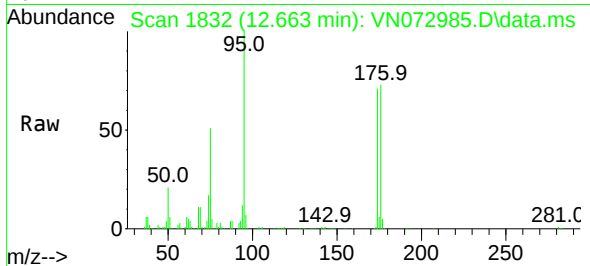




#62
4-Bromofluorobenzene
Concen: 53.976 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

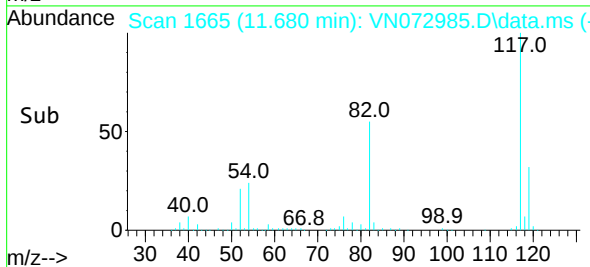
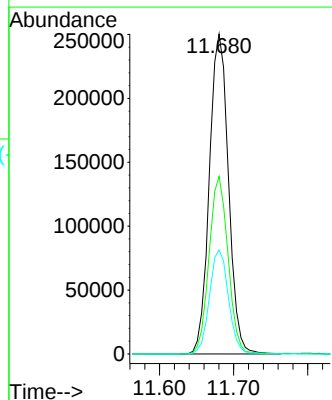
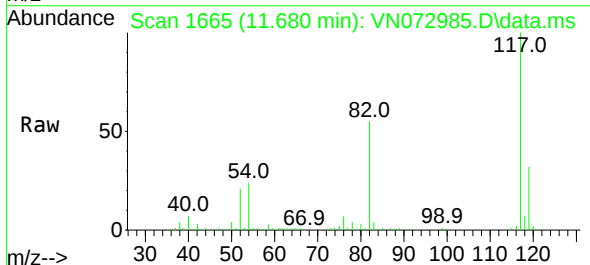
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-04

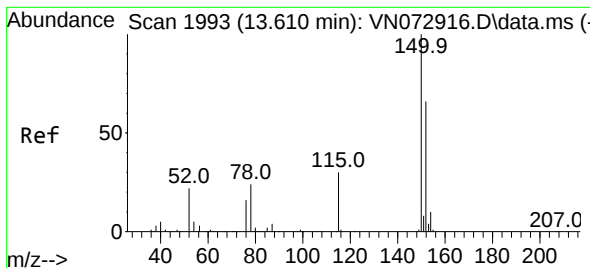
Tgt Ion: 95 Resp: 219849
Ion Ratio Lower Upper
95 100
174 76.4 0.0 167.6
176 73.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072985.D
Acq: 21 Jun 2022 15:55

Tgt Ion: 117 Resp: 448761
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.5 25.4 38.0

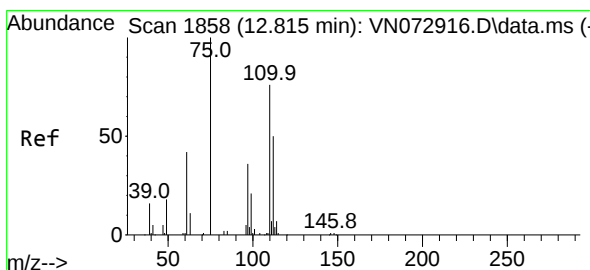
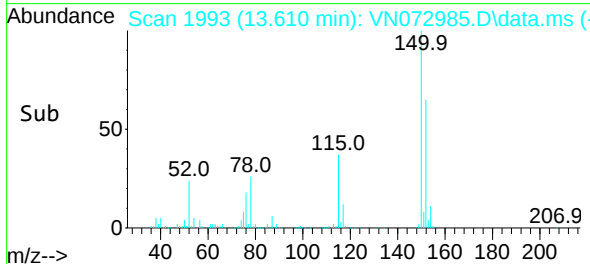
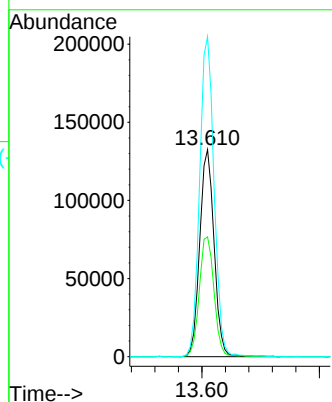
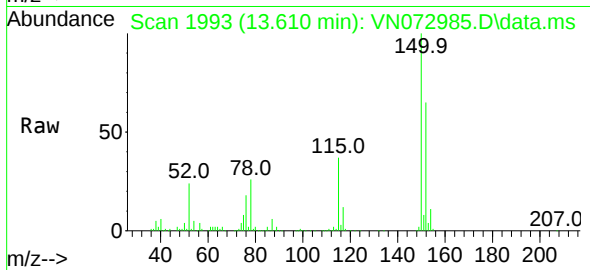




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN072985.D
 Acq: 21 Jun 2022 15:55

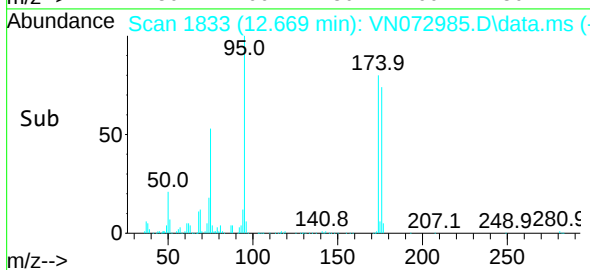
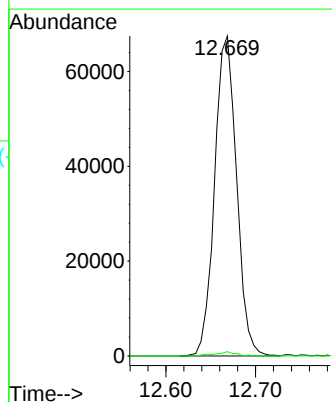
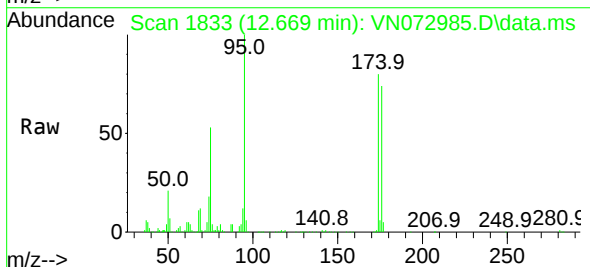
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-04

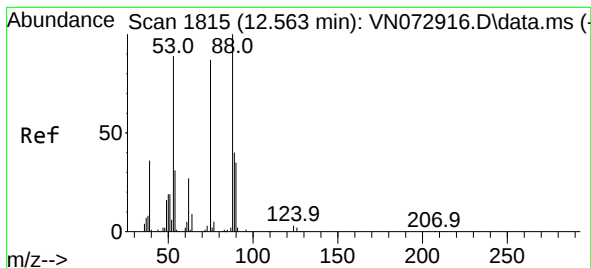
Tgt Ion:152 Resp: 224429
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.9 86.7
 150 155.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.062 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072985.D
 Acq: 21 Jun 2022 15:55

Tgt Ion: 75 Resp: 114605
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.881 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072985.D
 Acq: 21 Jun 2022 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-04

Tgt Ion: 75 Resp: 114605
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

