

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN072986.D
 Acq On : 21 Jun 2022 16:19
 Operator : JC\MD
 Sample : N3379-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-05

Quant Time: Jun 22 07:01:17 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

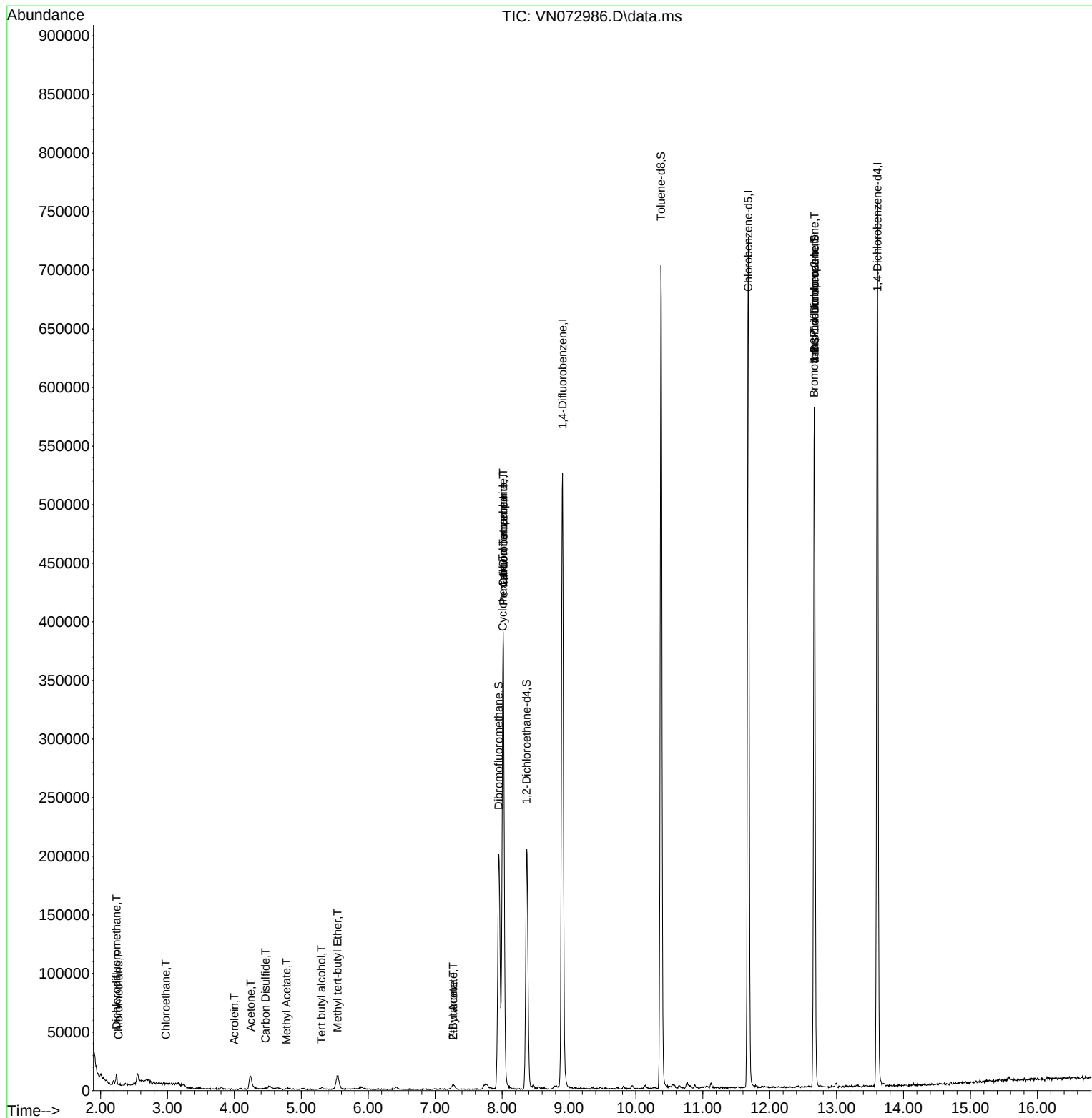
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.022	168	296950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	472633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	416055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	199047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	171643	42.754	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.500%
35) Dibromofluoromethane	7.951	113	151478	51.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.700%
50) Toluene-d8	10.374	98	485691	44.681	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.668	95	203153	51.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.240	85	649	0.230	ug/l	80
3) Chloromethane	2.269	50	193	0.632	ug/l #	43
6) Chloroethane	2.975	64	572	0.361	ug/l #	42
11) Tert butyl alcohol	5.298	59	2983	2.876	ug/l #	79
13) Acrolein	3.998	56	134	0.328	ug/l #	16
16) Acetone	4.245	43	21740	9.851	ug/l	94
17) Carbon Disulfide	4.463	76	1909	0.262	ug/l #	75
18) Methyl Acetate	4.781	43	1964	0.334	ug/l #	48
19) Methyl tert-butyl Ether	5.539	73	17681	1.656	ug/l #	84
20) Methylene Chloride	5.022	84	510	Below Cal	#	58
25) 2-Butanone	7.269	43	6246	1.784	ug/l #	87
31) Cyclohexane	8.010	56	6739	1.241	ug/l #	28
36) 1,1-Dichloropropene	8.016	75	24097	6.096	ug/l #	48
37) Ethyl Acetate	7.269	43	6246	0.988	ug/l #	67
38) Carbon Tetrachloride	8.016	117	29933	7.199	ug/l #	15
71) Bromoform	12.663	173	1085	0.465	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	104146	21.581	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	104146	58.282	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.698	75	65	Below Cal	#	1

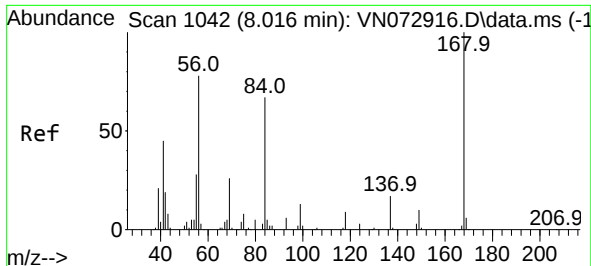
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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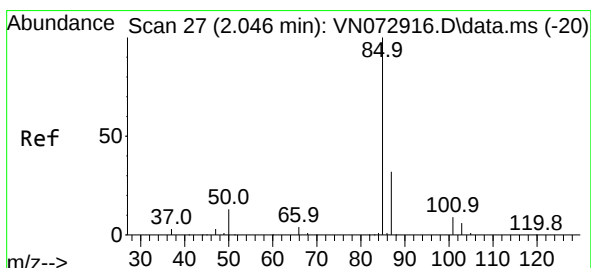
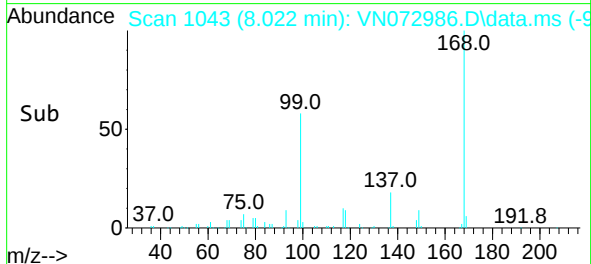
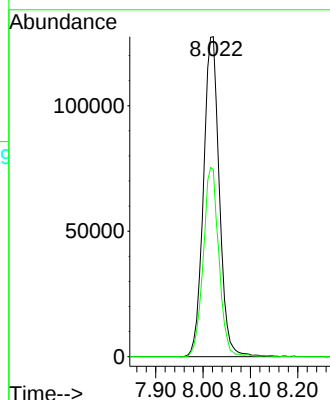
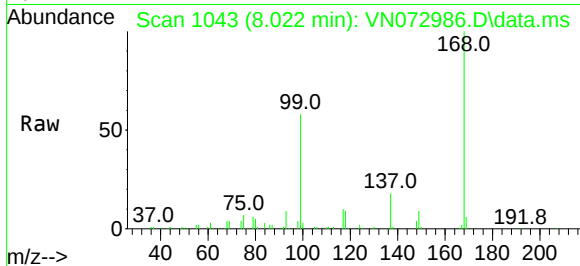




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

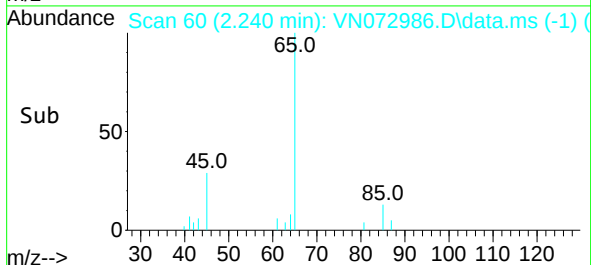
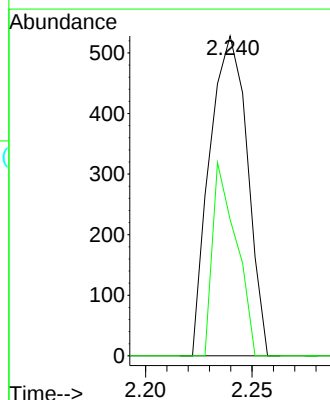
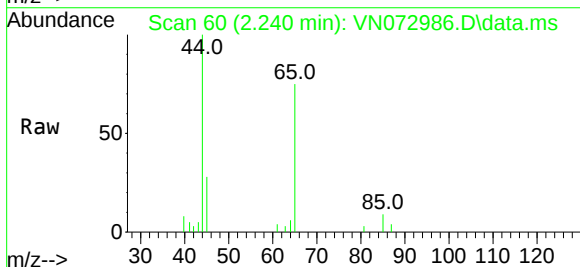
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MSVOA_N
ClientSampleId :
TOLL-MW-05

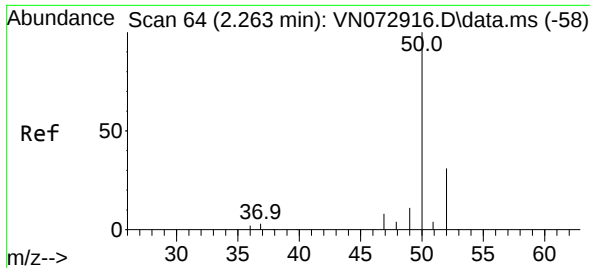
Tgt Ion:168 Resp: 296950
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.230 ug/l
RT: 2.240 min Scan# 60
Delta R.T. 0.194 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 85 Resp: 649
Ion Ratio Lower Upper
85 100
87 42.6 15.7 47.1

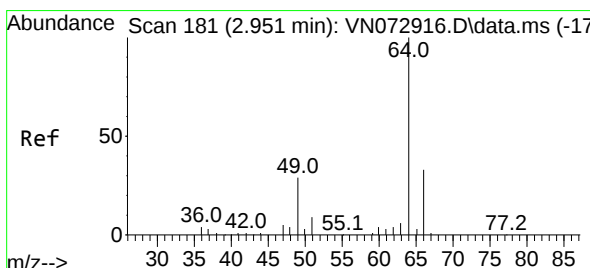
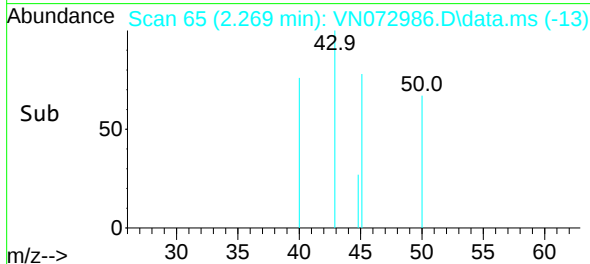
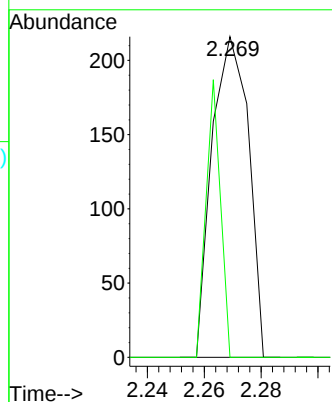
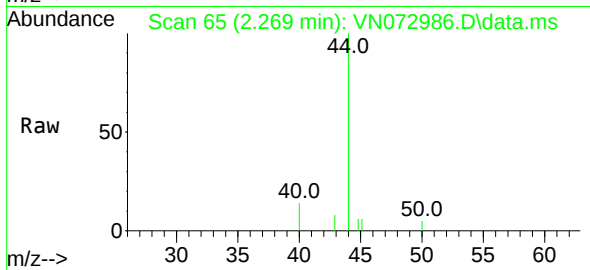




#3
Chloromethane
Concen: 0.632 ug/l
RT: 2.269 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

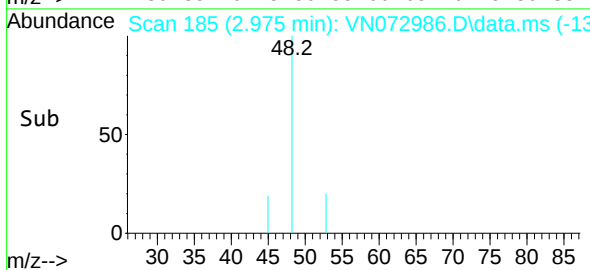
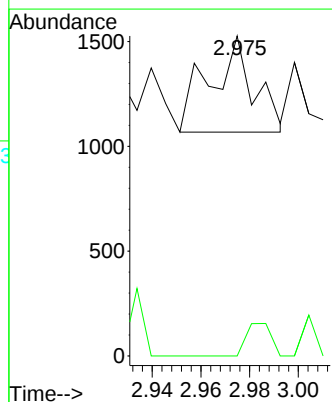
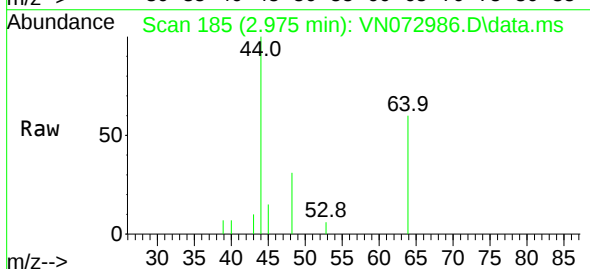
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-05

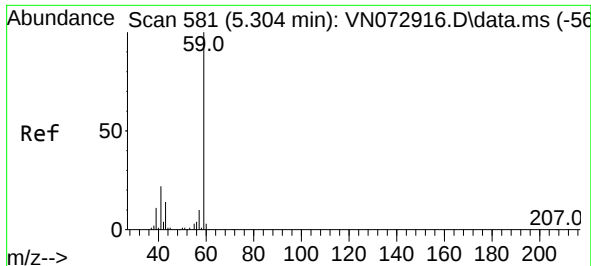
Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



#6
Chloroethane
Concen: 0.361 ug/l
RT: 2.975 min Scan# 185
Delta R.T. 0.023 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 64 Resp: 572
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

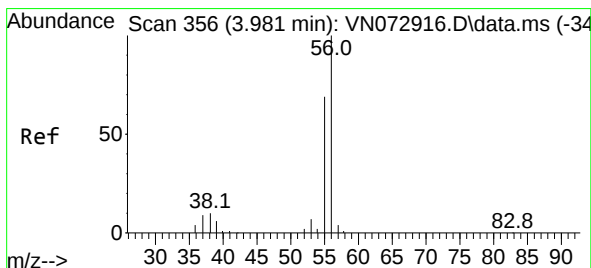
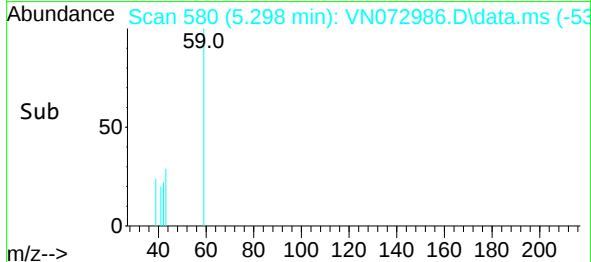
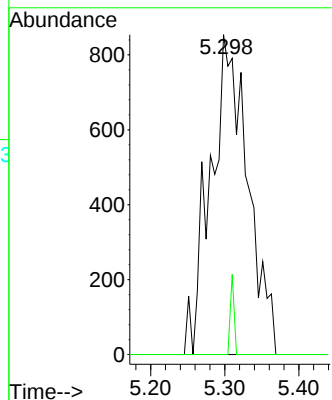
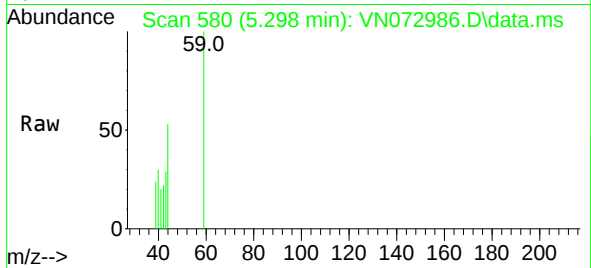




#11
Tert butyl alcohol
Concen: 2.876 ug/l
RT: 5.298 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

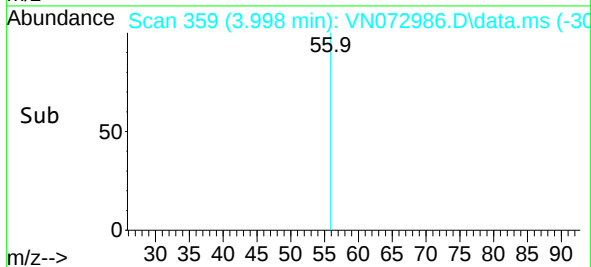
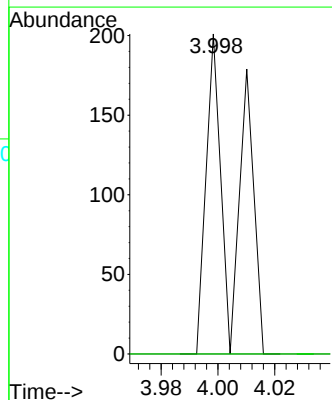
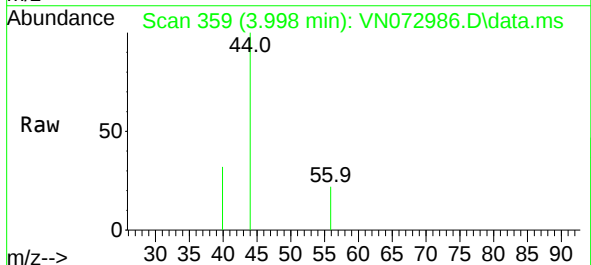
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MSVOA_N
ClientSampleId :
TOLL-MW-05

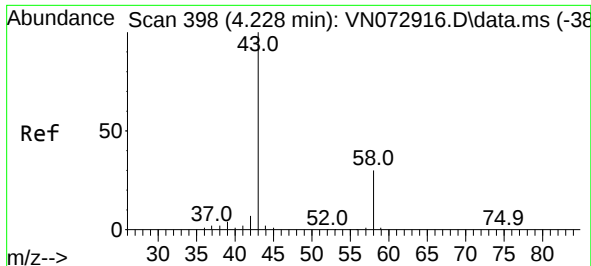
Tgt Ion: 59 Resp: 2983
Ion Ratio Lower Upper
59 100
57 2.5 8.3 12.5#



#13
Acrolein
Concen: 0.328 ug/l
RT: 3.998 min Scan# 359
Delta R.T. 0.018 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

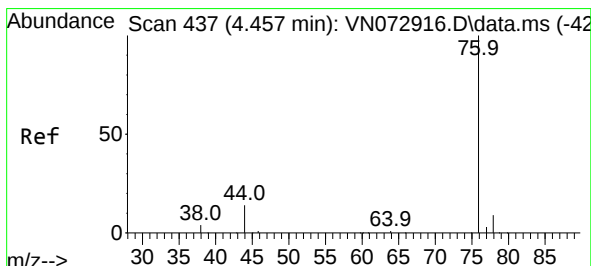
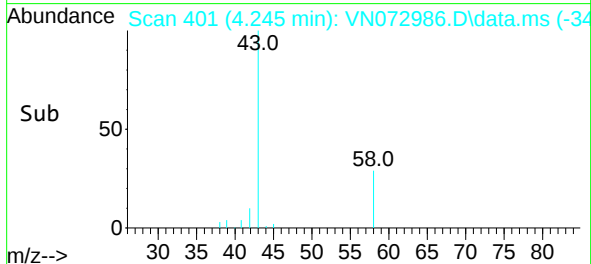
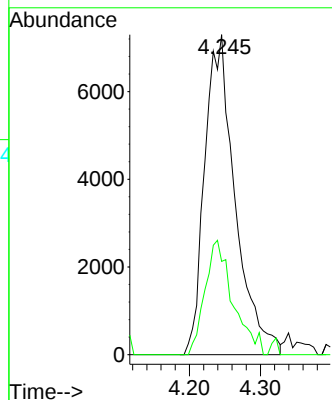
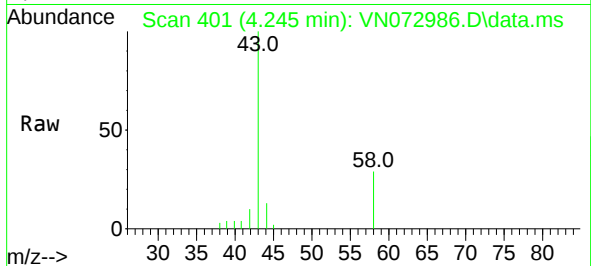




#16
Acetone
Concen: 9.851 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

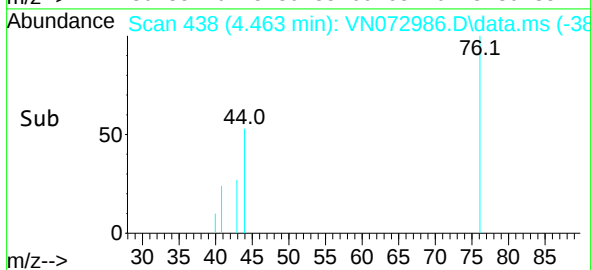
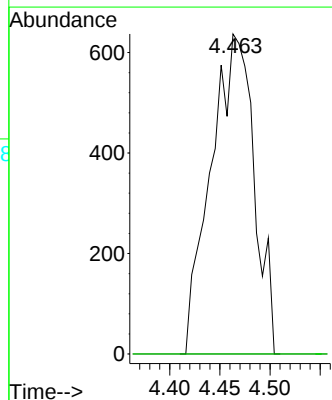
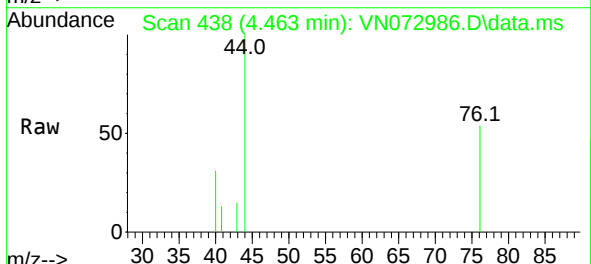
Instrument :
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ClientSampleId :
TOLL-MW-05

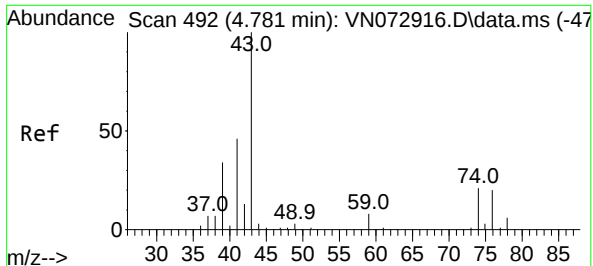
Tgt Ion: 43 Resp: 21740
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0



#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 76 Resp: 1909
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

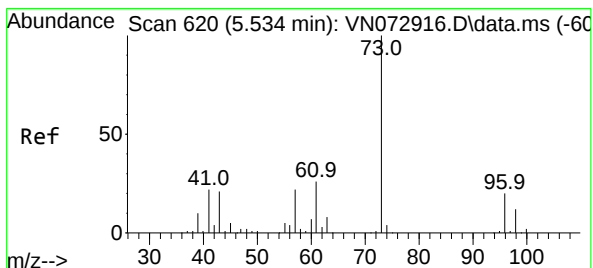
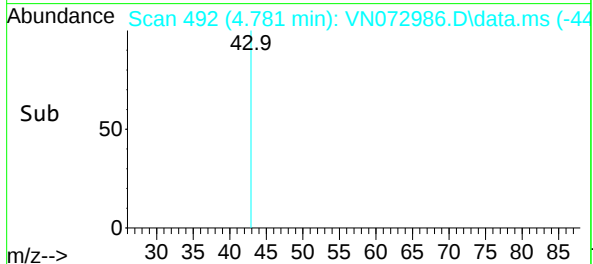
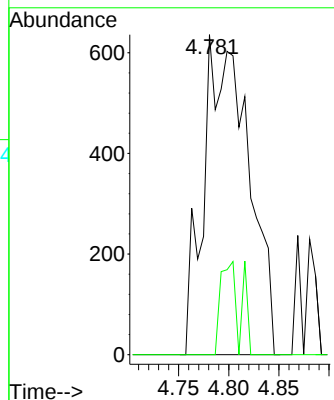
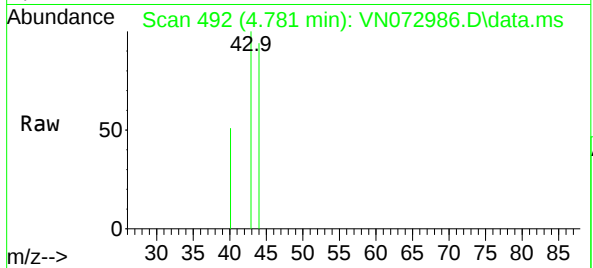




#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 4.781 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

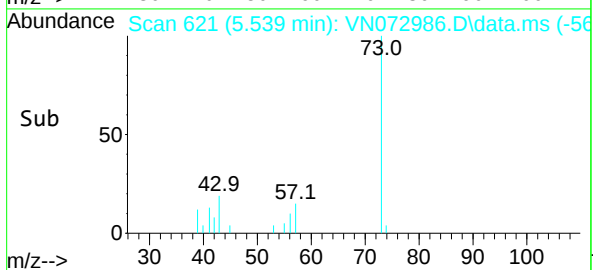
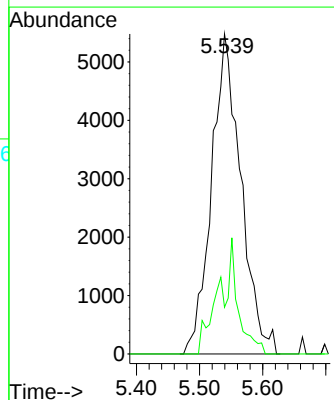
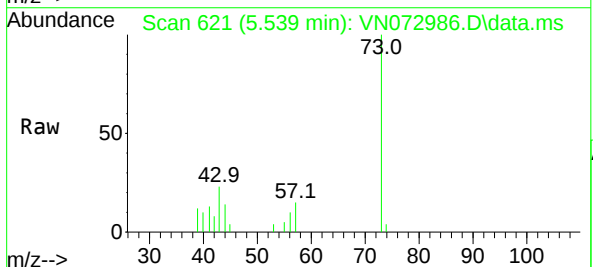
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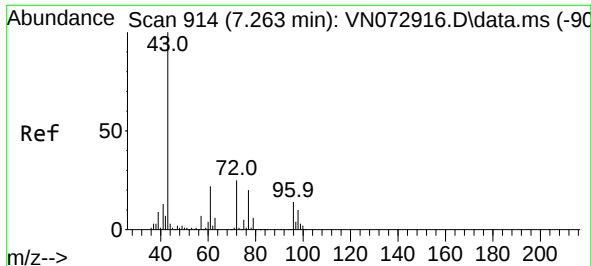
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 1.656 ug/l
RT: 5.539 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 73 Resp: 17681
Ion Ratio Lower Upper
73 100
57 14.6 17.6 26.4#

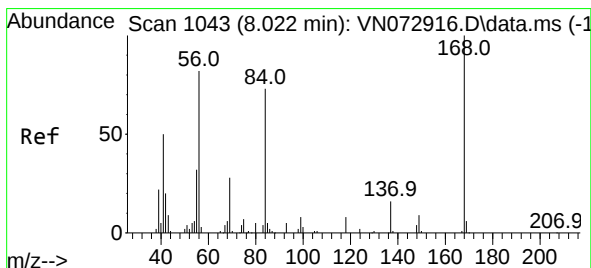
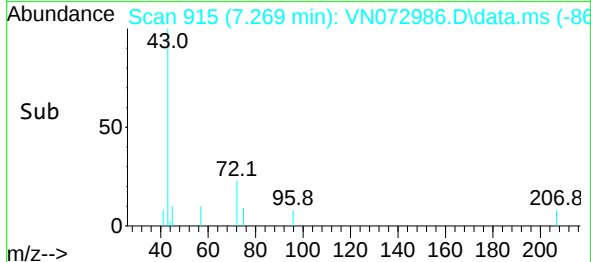
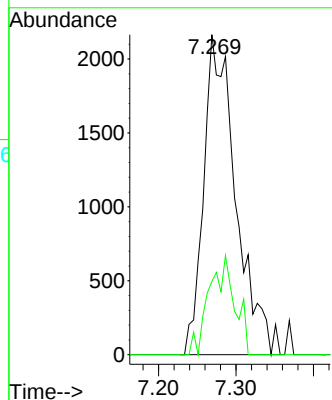
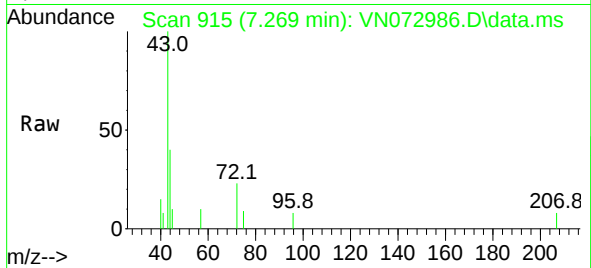




#25
2-Butanone
Concen: 1.784 ug/l
RT: 7.269 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

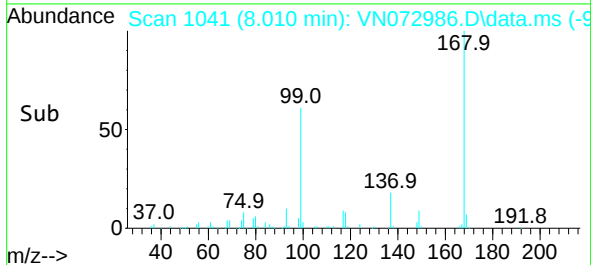
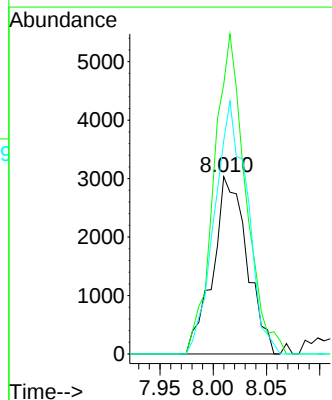
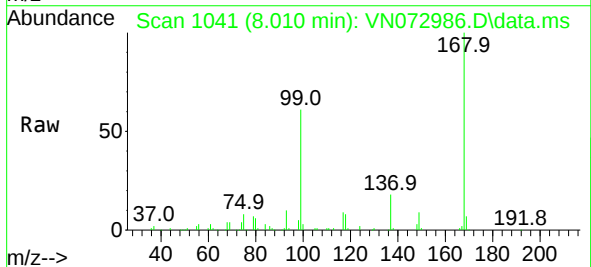
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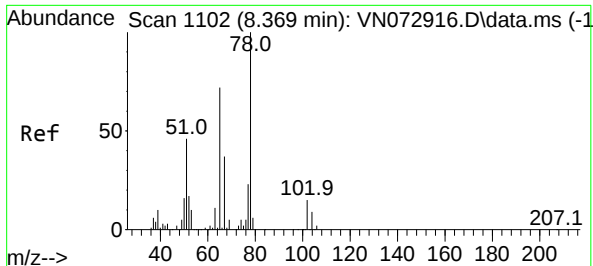
Tgt Ion: 43 Resp: 6246
Ion Ratio Lower Upper
43 100
72 22.9 23.7 35.5#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 56 Resp: 6739
Ion Ratio Lower Upper
56 100
69 152.1 27.8 41.8#
84 120.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.754 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN072986.D

Acq: 21 Jun 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

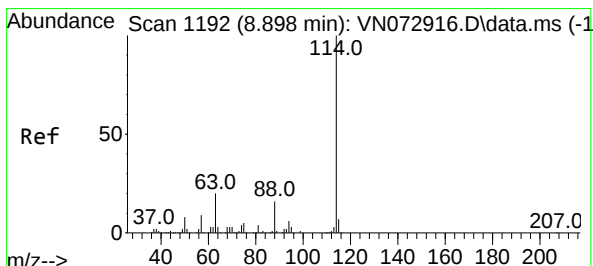
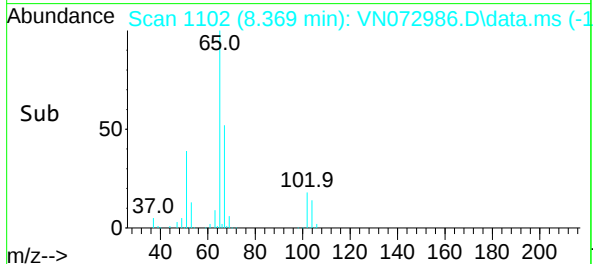
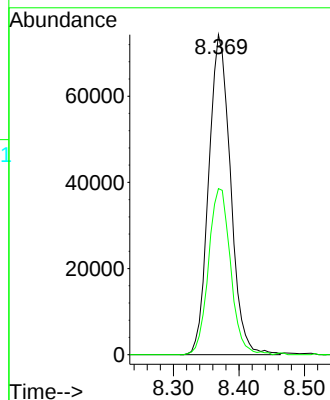
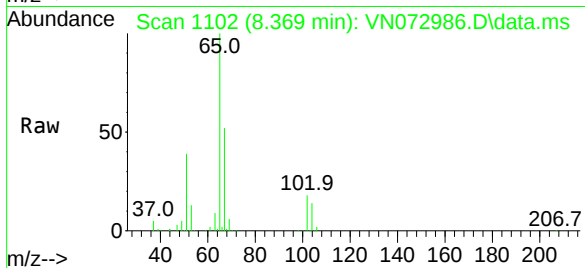
TOLL-MW-05

Tgt Ion: 65 Resp: 171643

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN072986.D

Acq: 21 Jun 2022 16:19

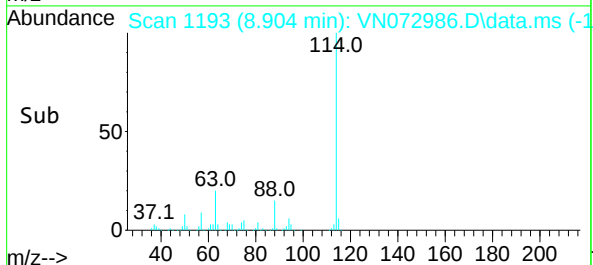
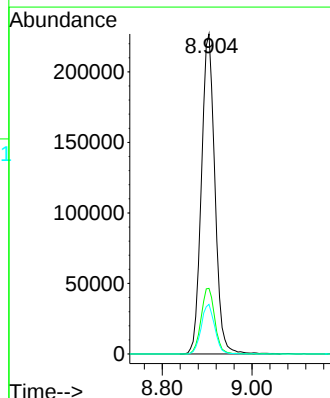
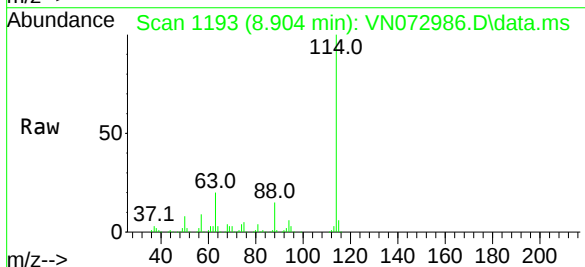
Tgt Ion: 114 Resp: 472633

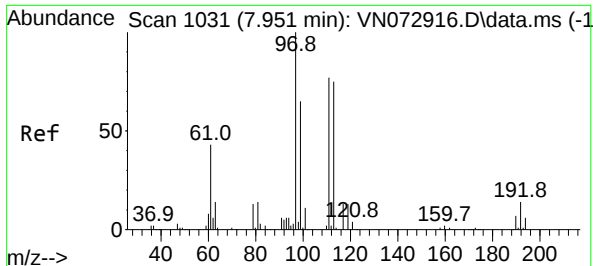
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 15.5 0.0 32.6

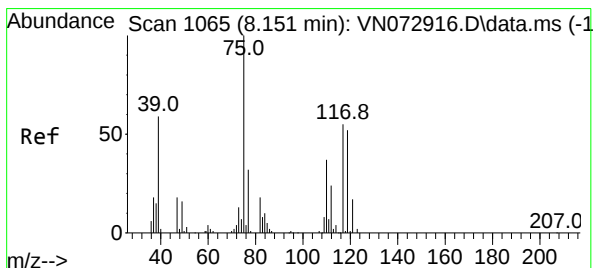
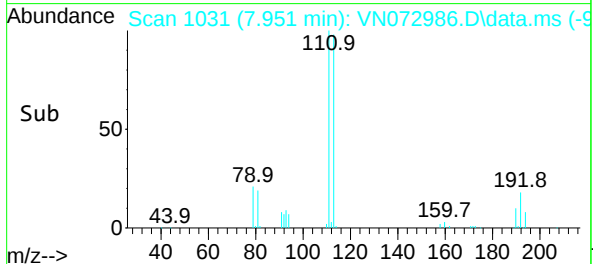
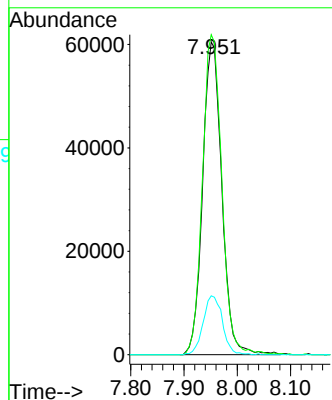
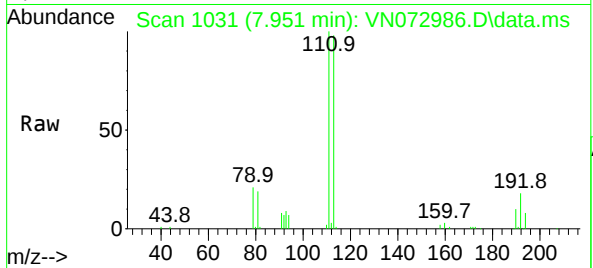




#35
Dibromofluoromethane
Concen: 51.853 ug/l
RT: 7.951 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

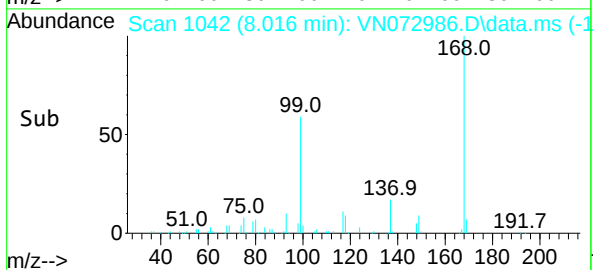
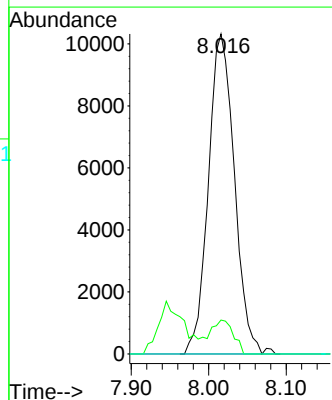
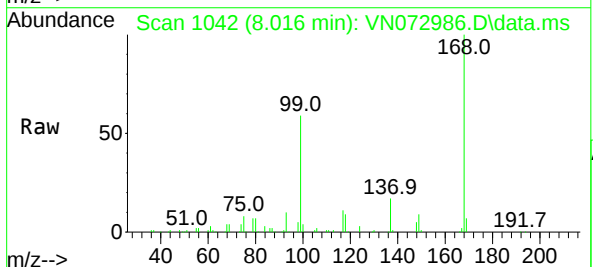
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-05

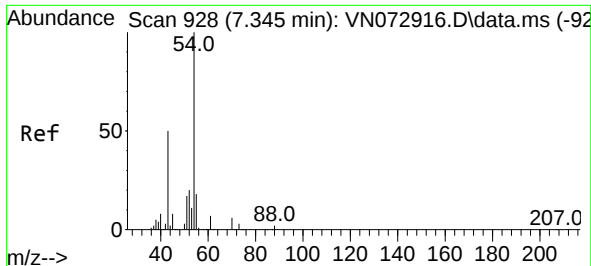
Tgt Ion:113 Resp: 151478
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 18.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 6.096 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 75 Resp: 24097
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.988 ug/l

RT: 7.269 min Scan# 91

Delta R.T. -0.077 min

Lab File: VN072986.D

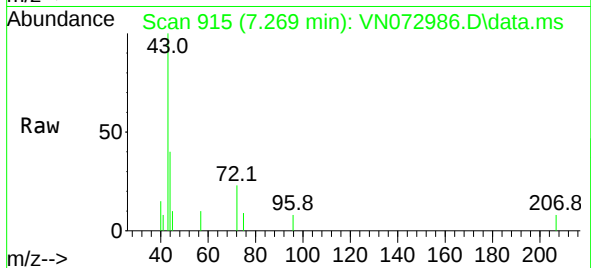
Acq: 21 Jun 2022 16:19

Instrument :

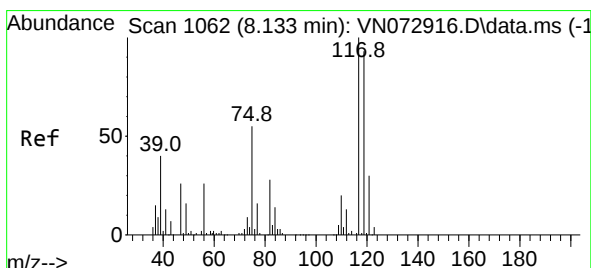
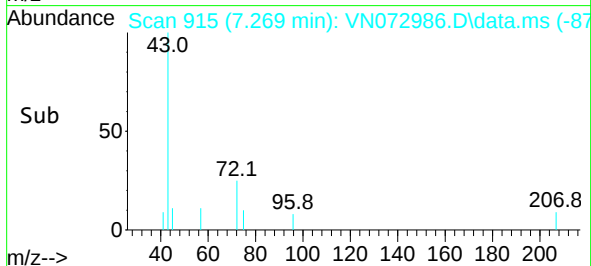
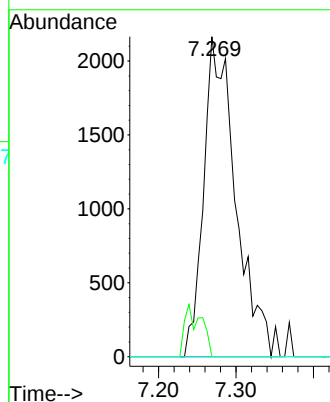
MSVOA_N

ClientSampleId :

TOLL-MW-05



Tgt Ion:	43	Resp:	6246
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 7.199 ug/l

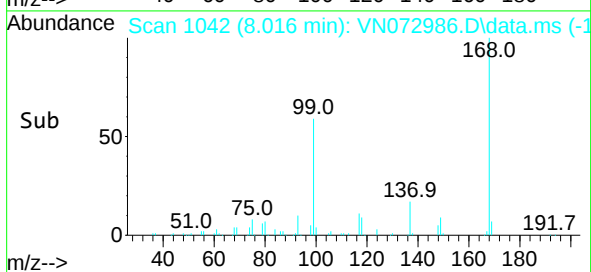
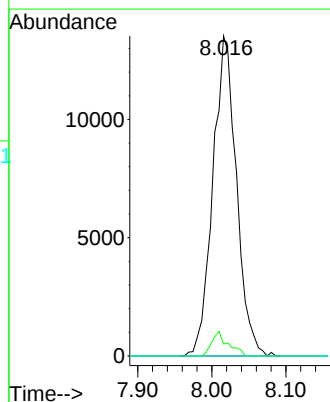
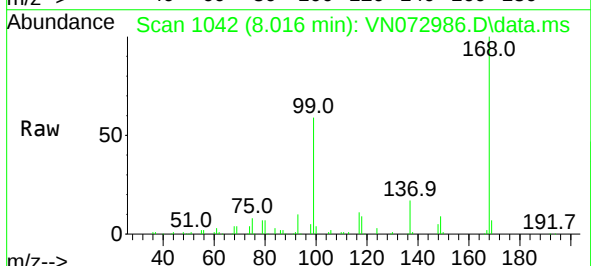
RT: 8.016 min Scan# 1042

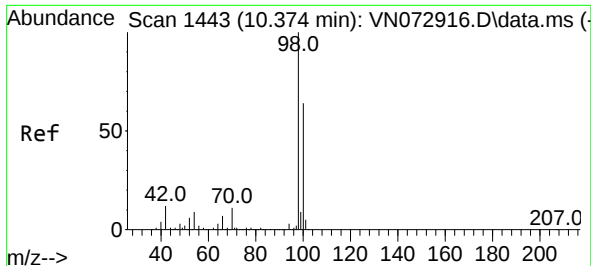
Delta R.T. -0.118 min

Lab File: VN072986.D

Acq: 21 Jun 2022 16:19

Tgt Ion:	117	Resp:	29933
Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.8	113.8#
121	0.0	24.6	37.0#

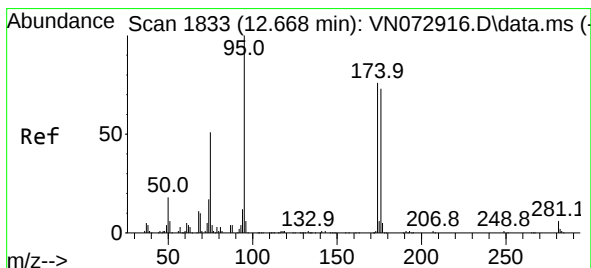
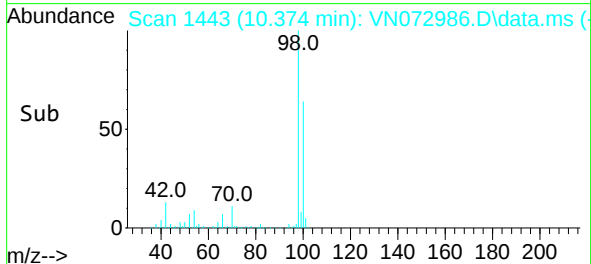
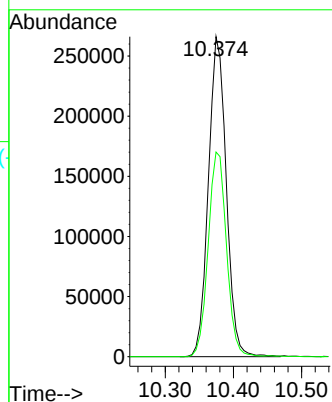
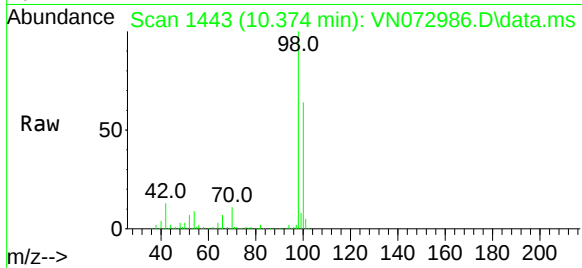




#50
Toluene-d8
Concen: 44.681 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

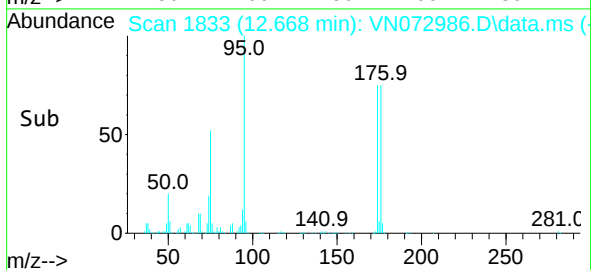
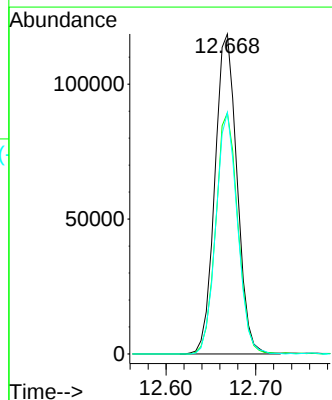
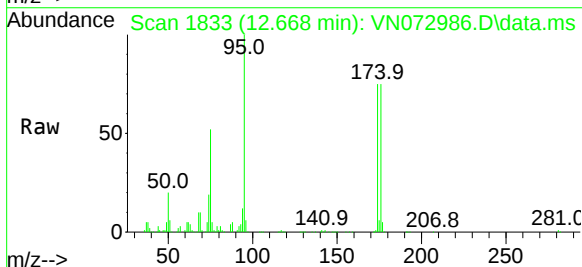
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-05

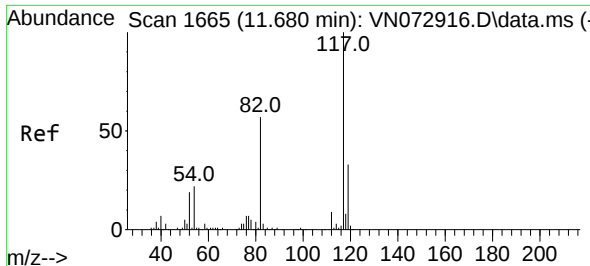
Tgt Ion: 98 Resp: 485691
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.974 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion: 95 Resp: 203153
Ion Ratio Lower Upper
95 100
174 74.9 0.0 167.6
176 73.3 0.0 163.4

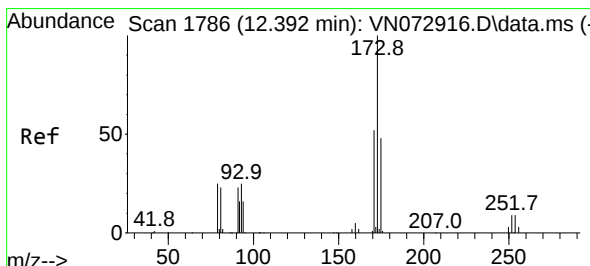
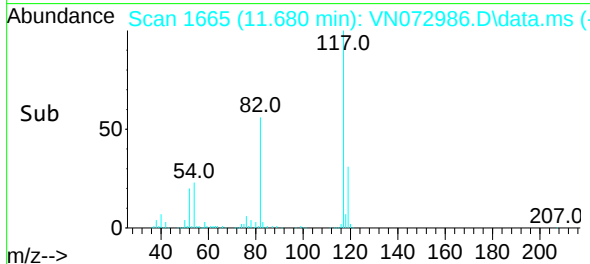
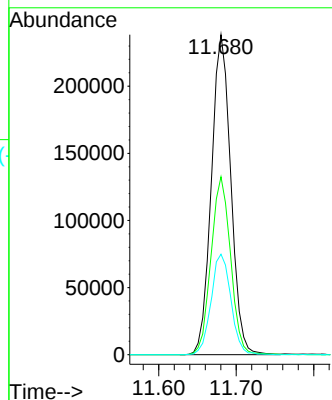
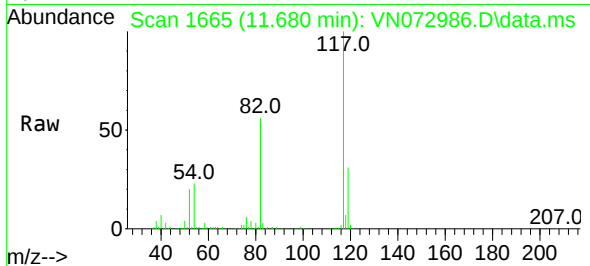




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

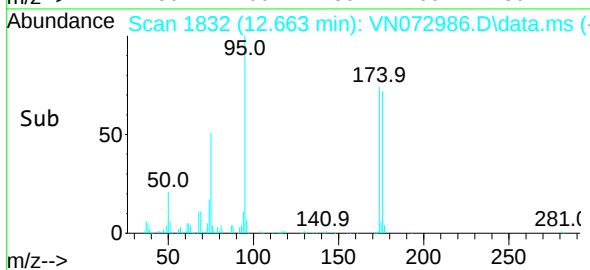
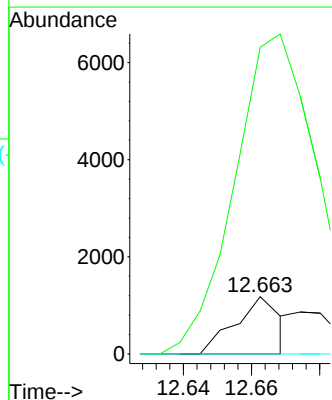
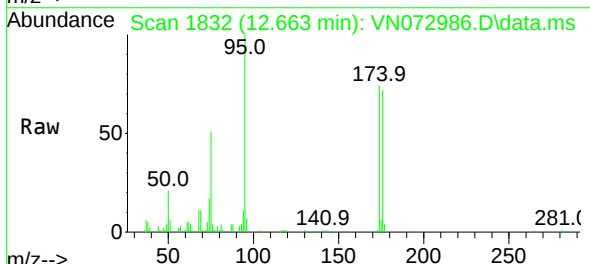
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-05

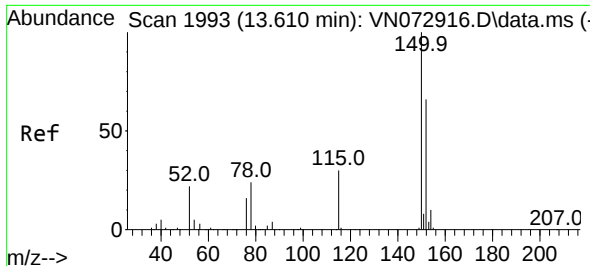
Tgt Ion:117 Resp: 416055
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.4 25.4 38.0



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.271 min
Lab File: VN072986.D
Acq: 21 Jun 2022 16:19

Tgt Ion:173 Resp: 1085
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

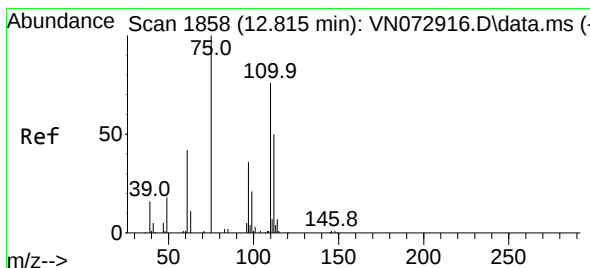
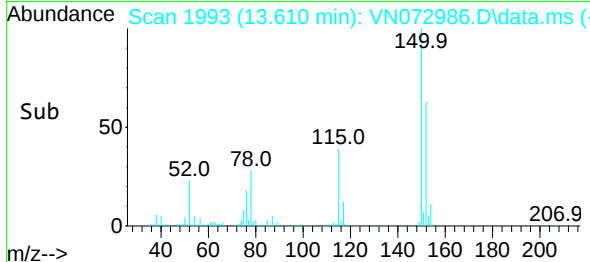
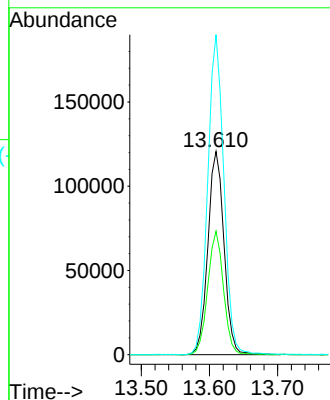
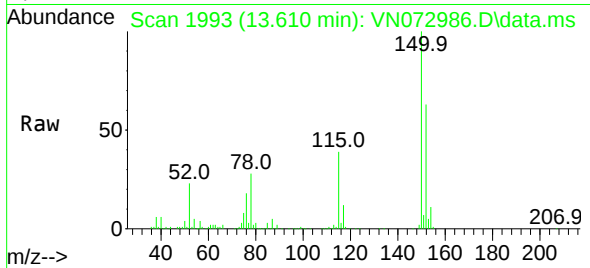




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN072986.D
 Acq: 21 Jun 2022 16:19

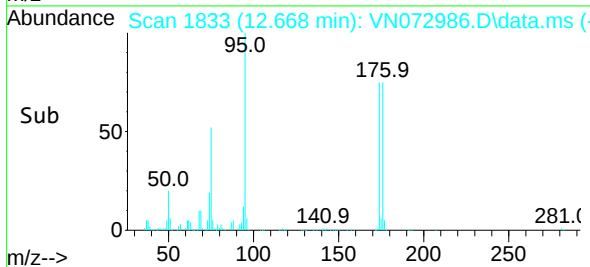
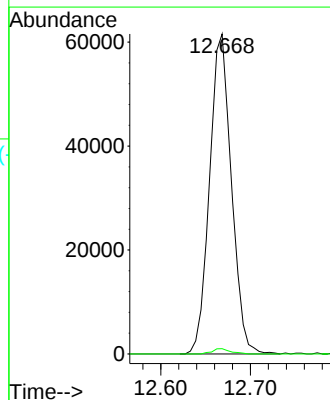
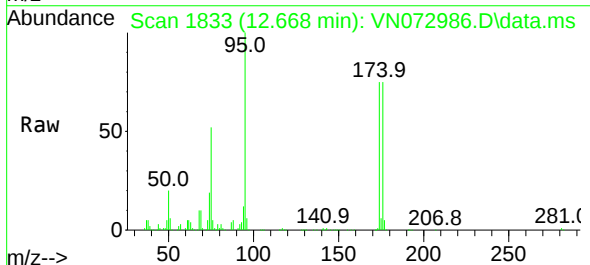
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-05

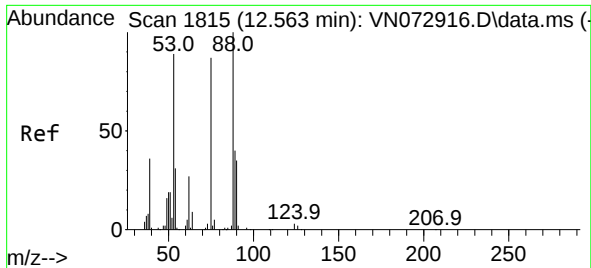
Tgt Ion:152 Resp: 199047
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.9 86.7
 150 157.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.581 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072986.D
 Acq: 21 Jun 2022 16:19

Tgt Ion: 75 Resp: 104146
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.282 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072986.D
 Acq: 21 Jun 2022 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-05

Tgt Ion: 75 Resp: 104146
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

