

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072965.D
 Acq On : 20 Jun 2022 16:41
 Operator : JC\MD
 Sample : N3370-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06

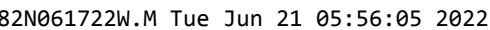
Quant Time: Jun 21 05:56:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	356203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	558098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	500411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	254520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	202169	41.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.960%		
35) Dibromofluoromethane	7.951	113	173412	50.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.540%		
50) Toluene-d8	10.375	98	573108	44.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.300%		
62) 4-Bromofluorobenzene	12.668	95	253700	54.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.234	85	1925	0.568	ug/l	96
3) Chloromethane	2.269	50	460	0.694	ug/l #	43
4) Vinyl Chloride	2.410	62	2266	0.745	ug/l	90
6) Chloroethane	3.057	64	1513	0.795	ug/l #	42
11) Tert butyl alcohol	5.293	59	2384	1.916	ug/l #	72
13) Acrolein	4.198	56	256	0.523	ug/l #	59
16) Acetone	4.257	43	2483	0.938	ug/l	89
18) Methyl Acetate	4.793	43	2914	0.413	ug/l #	64
19) Methyl tert-butyl Ether	5.540	73	62442	4.875	ug/l	98
20) Methylene Chloride	5.004	84	157	Below Cal	#	16
22) Diisopropyl ether	6.416	45	8247	0.607	ug/l #	80
23) Vinyl Acetate	6.422	43	4312	0.344	ug/l #	68
27) cis-1,2-Dichloroethene	7.251	96	4213	0.951	ug/l	94
31) Cyclohexane	8.016	56	7436	1.141	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	27482	5.888	ug/l #	49
38) Carbon Tetrachloride	8.022	117	35907	7.314	ug/l #	16
43) Isopropyl Acetate	8.545	43	24801	2.324	ug/l #	53
48) Methyl methacrylate	9.522	41	3300	0.677	ug/l #	32
51) 4-Methyl-2-Pentanone	10.304	43	1765	0.254	ug/l #	33
55) 1,1,2-Trichloroethane	10.822	97	809	0.205	ug/l #	36
67) Ethyl Benzene	11.780	91	9706	0.564	ug/l	94
68) m/p-Xylenes	11.892	106	4946	0.733	ug/l	96
71) Bromoform	12.663	173	1447	0.516	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	130777	21.193	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	130777	57.234	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	14815	0.920	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.721	75	57	Below Cal	#	1
95) Naphthalene	15.427	128	33555	1.707	ug/l	98

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

Quant Time: Jun 21 05:56:02 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

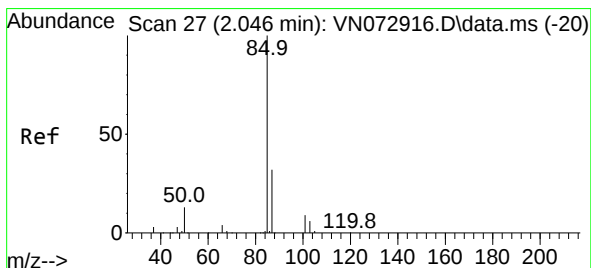
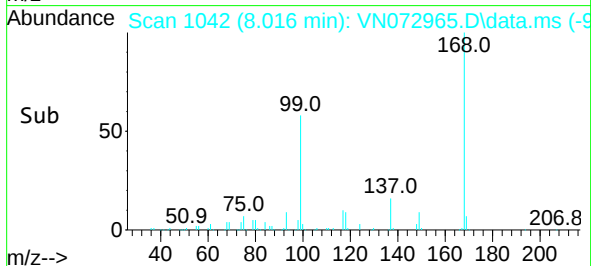
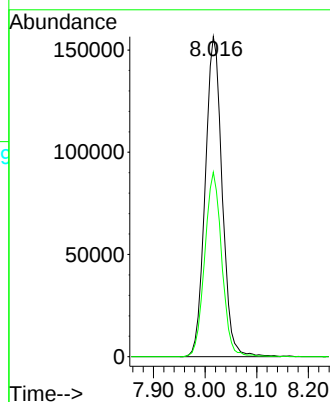
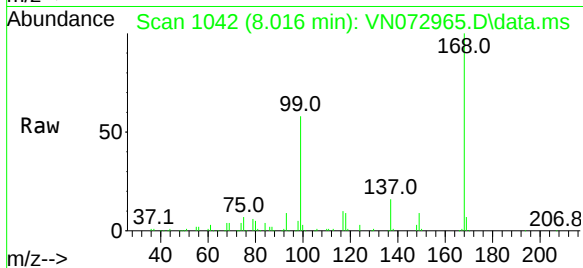




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

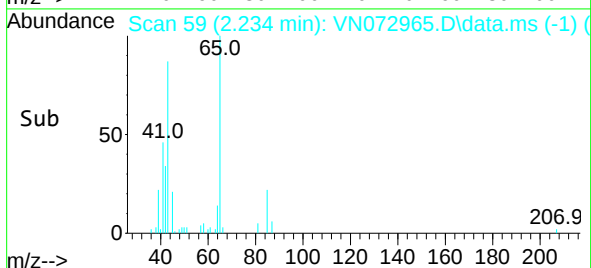
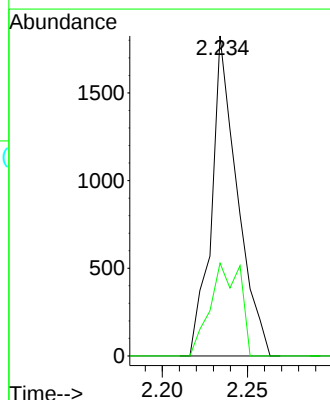
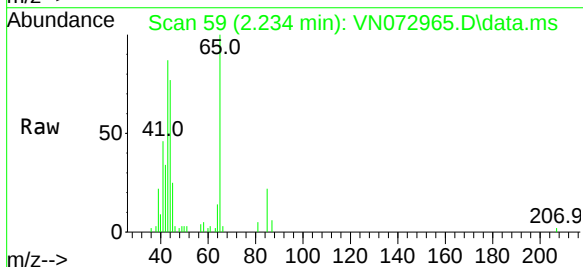
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

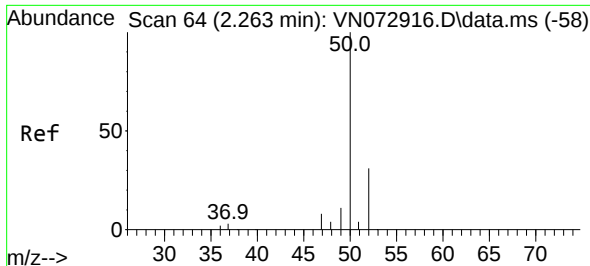
Tgt Ion:168 Resp: 356203
Ion Ratio Lower Upper
168 100
99 57.6 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.568 ug/l
RT: 2.234 min Scan# 59
Delta R.T. 0.188 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 85 Resp: 1925
Ion Ratio Lower Upper
85 100
87 29.0 15.7 47.1

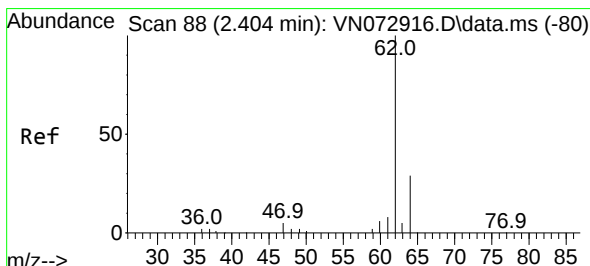
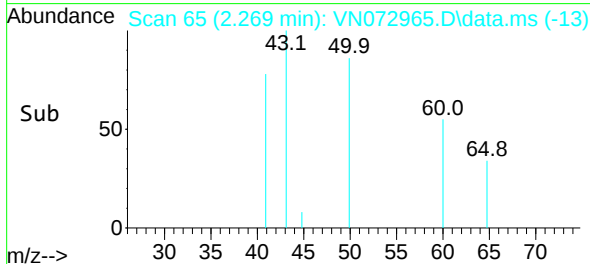
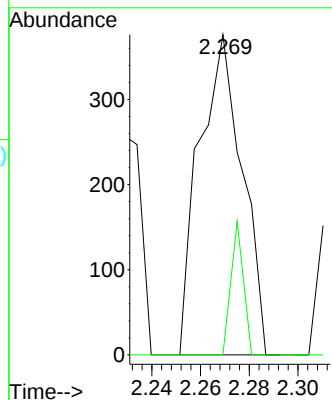
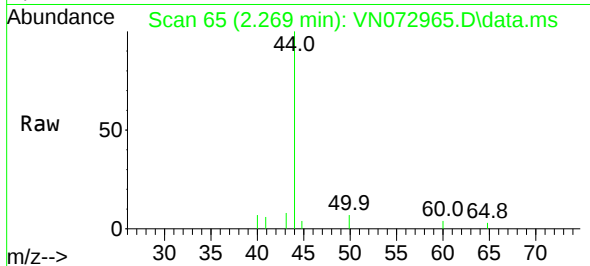




#3
Chloromethane
Concen: 0.694 ug/l
RT: 2.269 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

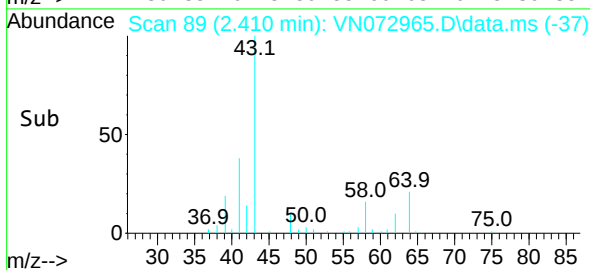
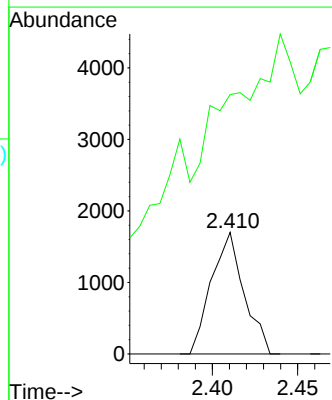
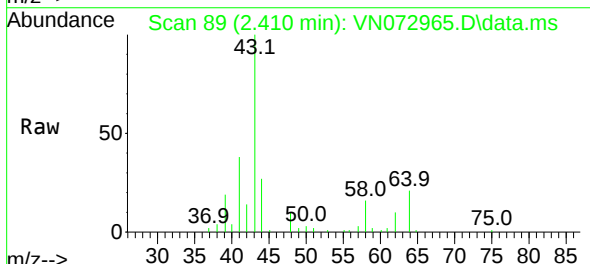
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

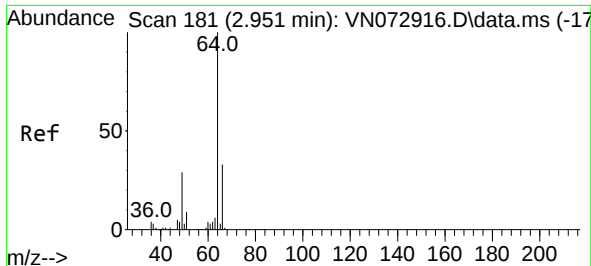
Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



#4
Vinyl Chloride
Concen: 0.745 ug/l
RT: 2.410 min Scan# 89
Delta R.T. 0.006 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 62 Resp: 2266
Ion Ratio Lower Upper
62 100
64 36.6 25.0 37.4

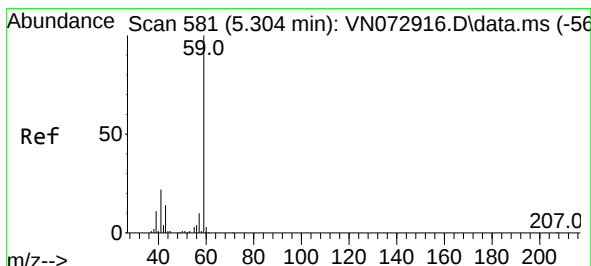
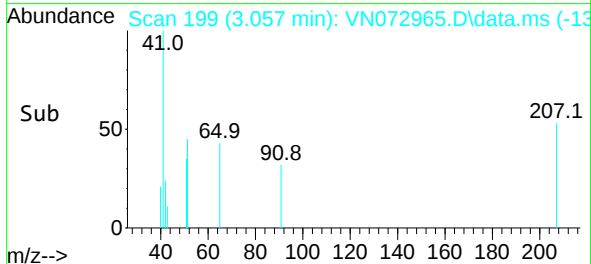
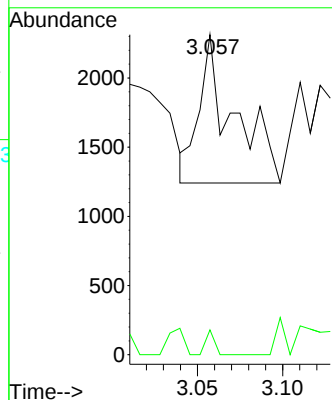
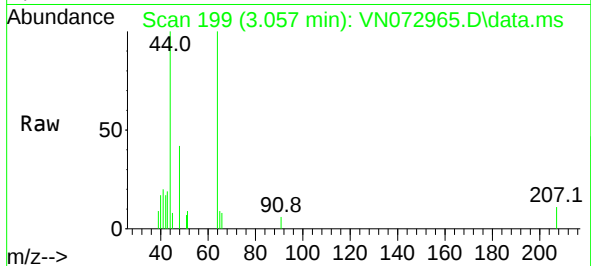




#6
Chloroethane
Concen: 0.795 ug/l
RT: 3.057 min Scan# 199
Delta R.T. 0.106 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

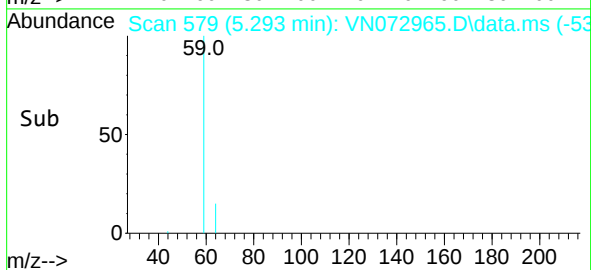
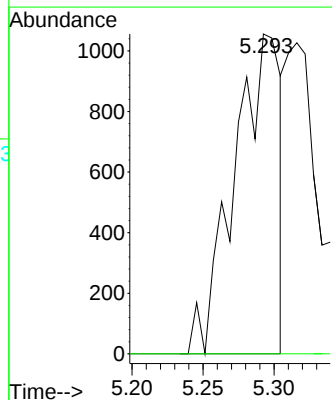
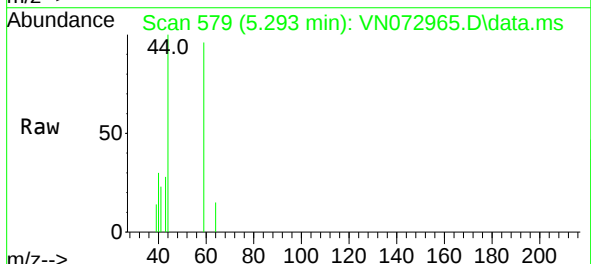
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

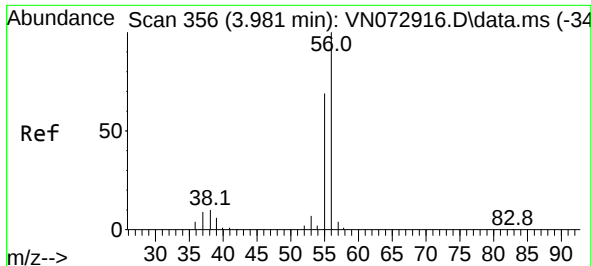
Tgt Ion: 64 Resp: 1513
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.916 ug/l
RT: 5.293 min Scan# 579
Delta R.T. -0.012 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 59 Resp: 2384
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

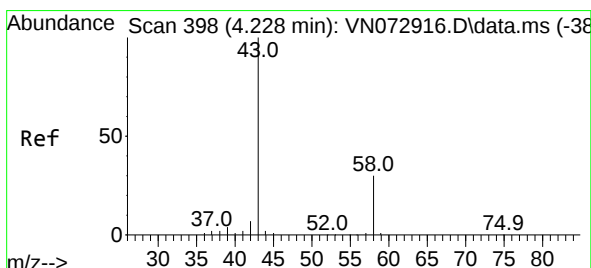
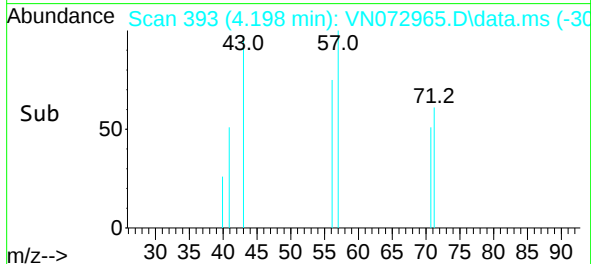
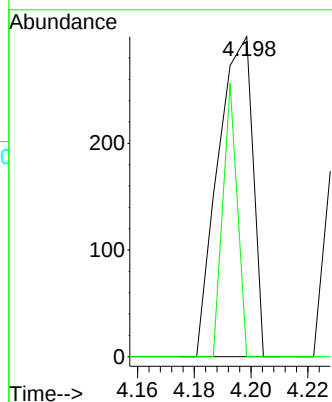
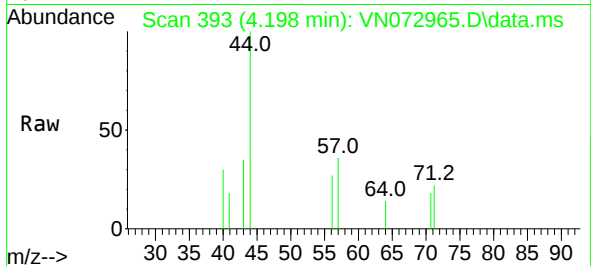




#13
Acrolein
Concen: 0.523 ug/l
RT: 4.198 min Scan# 356
Delta R.T. 0.218 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

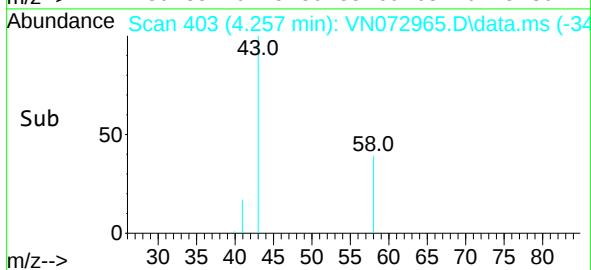
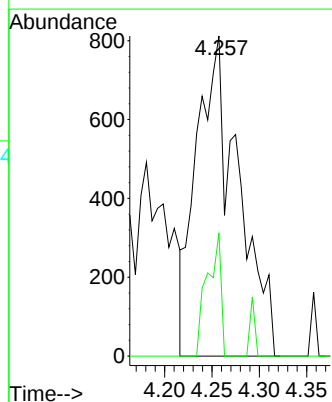
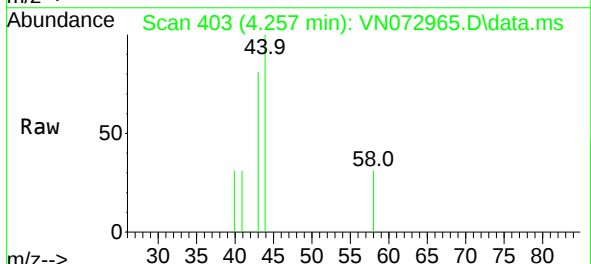
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

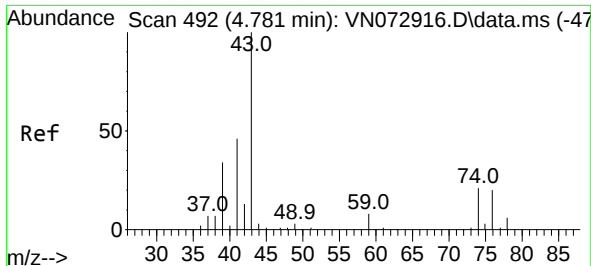
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 35.2 54.8 82.2#



#16
Acetone
Concen: 0.938 ug/l
RT: 4.257 min Scan# 403
Delta R.T. 0.029 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
58 38.5 26.0 39.0

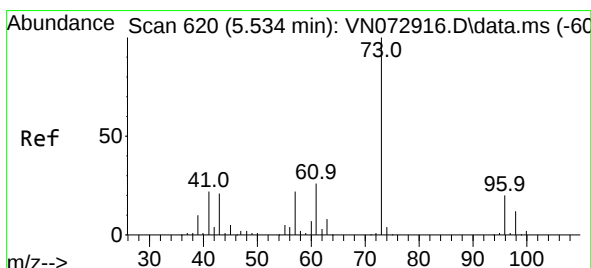
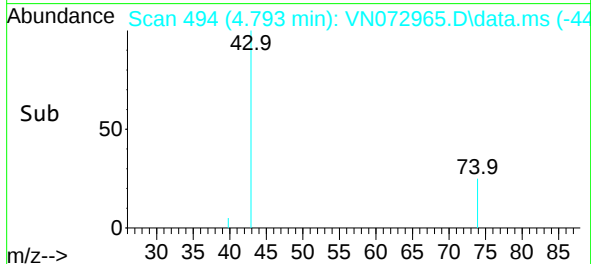
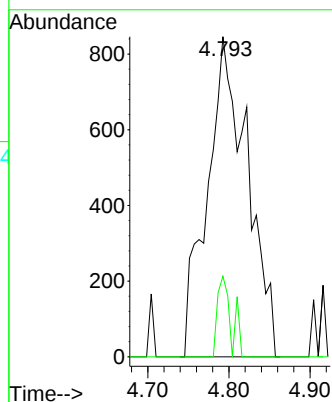
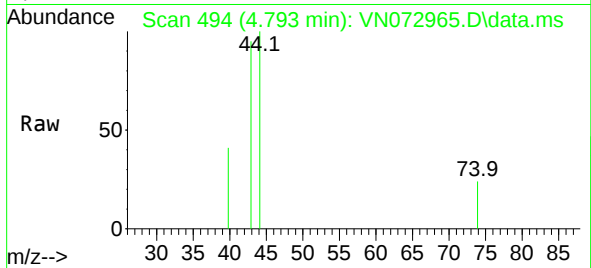




#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 4.793 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

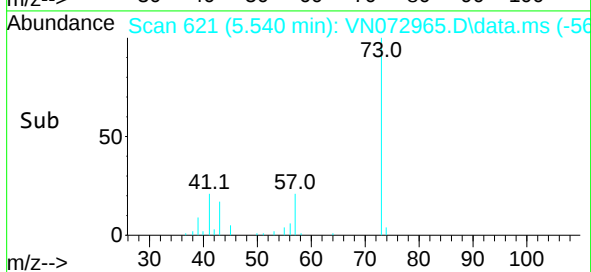
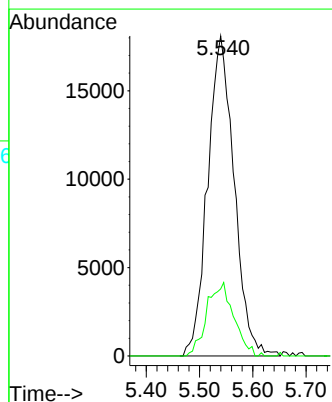
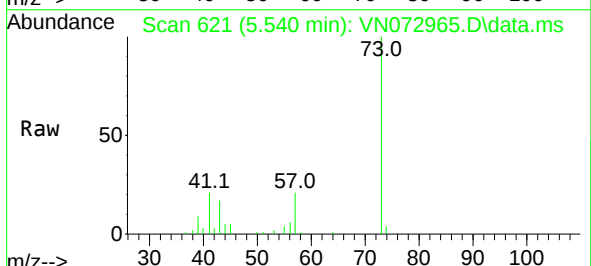
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

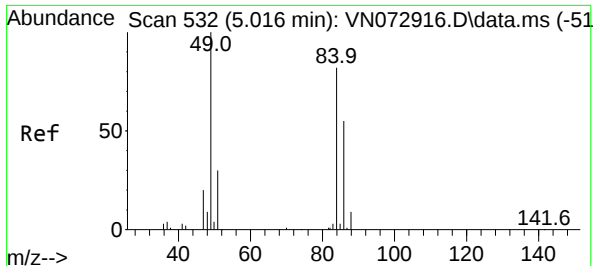
Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
74 8.5 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 4.875 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

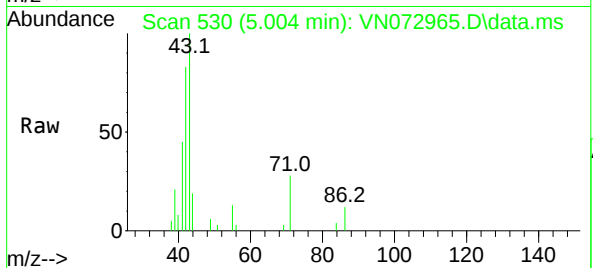
Tgt Ion: 73 Resp: 62442
Ion Ratio Lower Upper
73 100
57 21.0 17.6 26.4



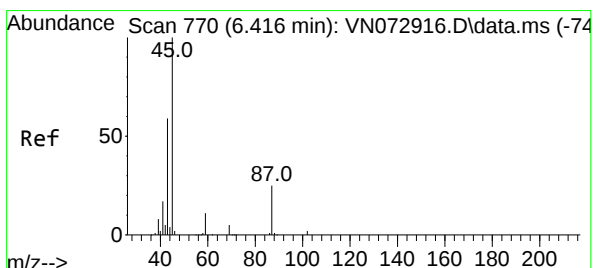
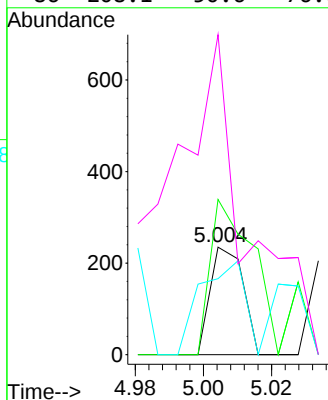
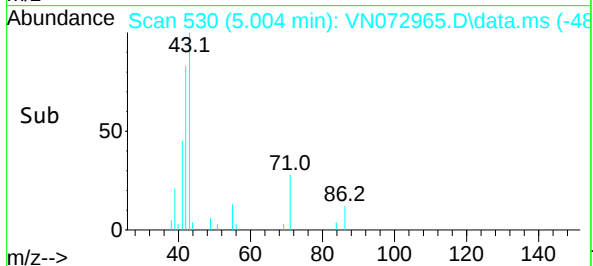


#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

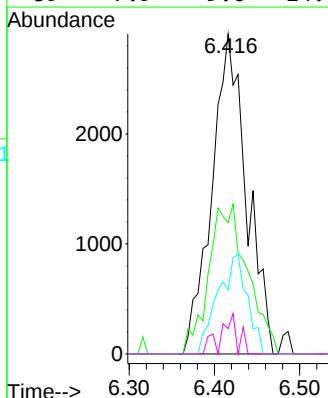
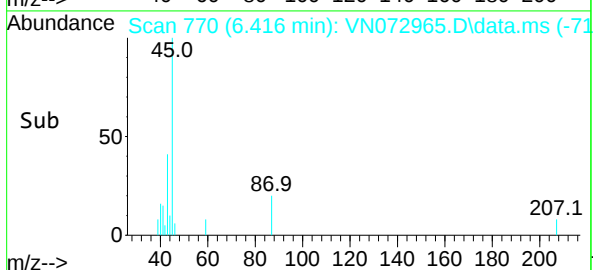
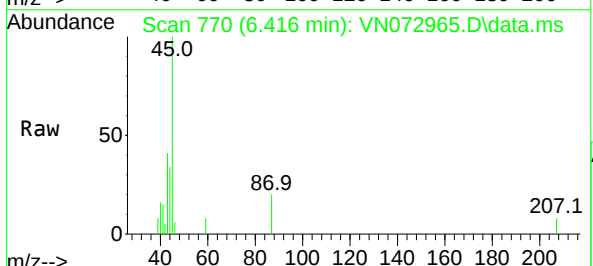


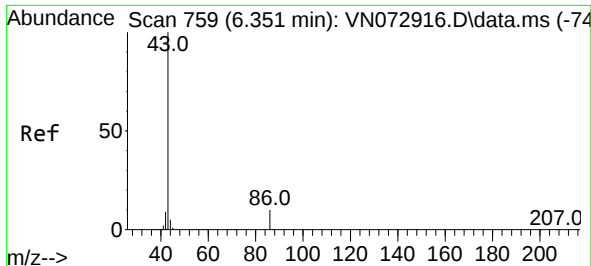
Tgt Ion:	84	Resp:	157
Ion	Ratio	Lower	Upper
84	100		
49	144.3	88.3	132.5#
51	70.6	28.2	42.2#
86	208.1	50.6	76.0#



#22
Diisopropyl ether
Concen: 0.607 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion:	45	Resp:	8247
Ion	Ratio	Lower	Upper
45	100		
43	41.1	46.6	70.0#
87	20.1	24.3	36.5#
59	7.9	9.6	14.4#

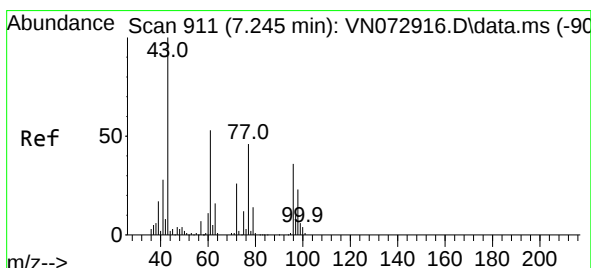
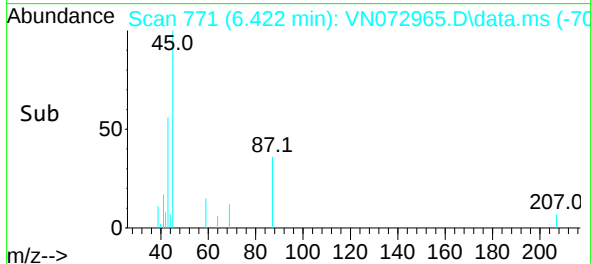
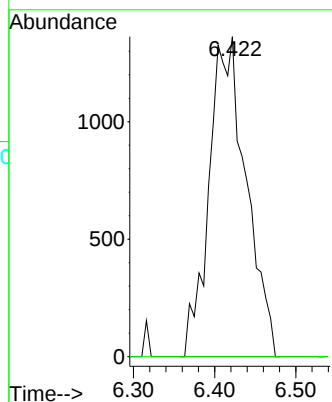
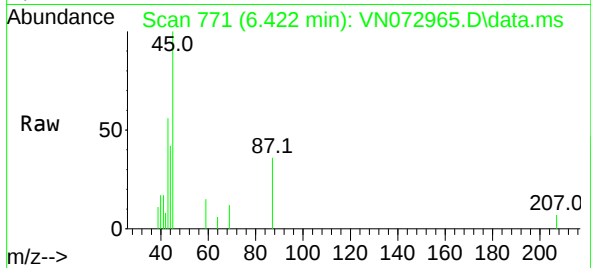




#23
 Vinyl Acetate
 Concen: 0.344 ug/l
 RT: 6.422 min Scan# 71
 Delta R.T. 0.071 min
 Lab File: VN072965.D
 Acq: 20 Jun 2022 16:41

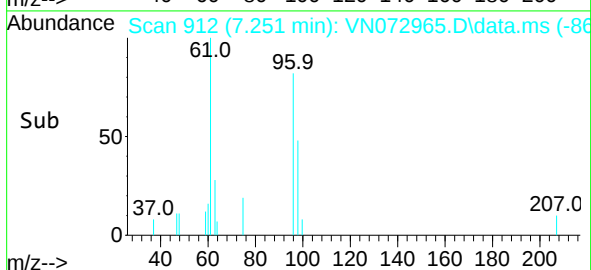
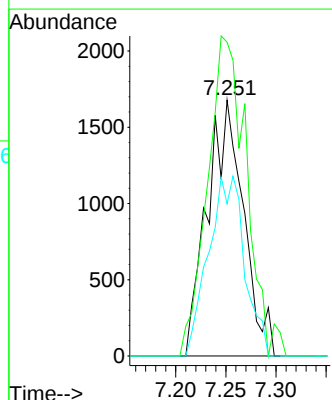
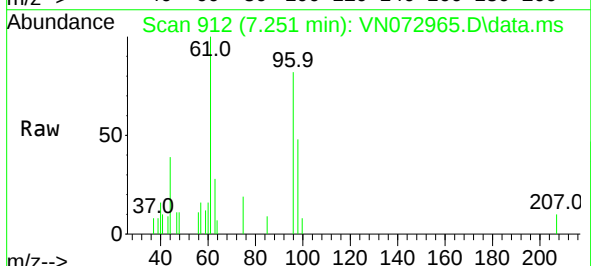
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06

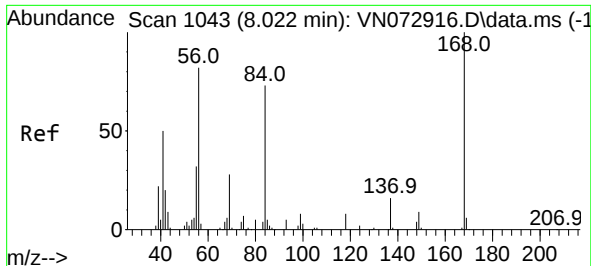
Tgt Ion: 43 Resp: 4312
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#27
 cis-1,2-Dichloroethene
 Concen: 0.951 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. 0.006 min
 Lab File: VN072965.D
 Acq: 20 Jun 2022 16:41

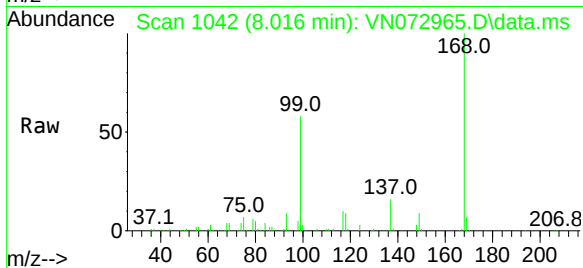
Tgt Ion: 96 Resp: 4213
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 280.6
 98 70.1 0.0 128.4



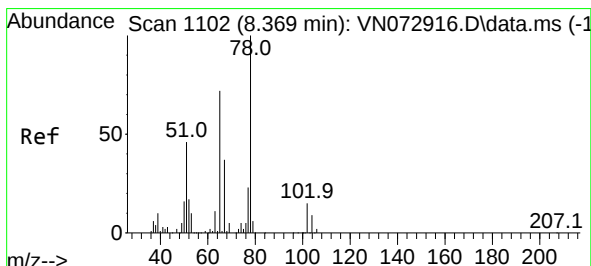
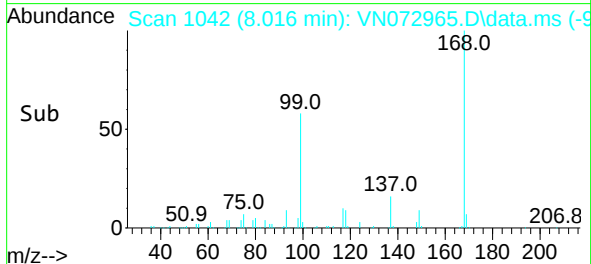
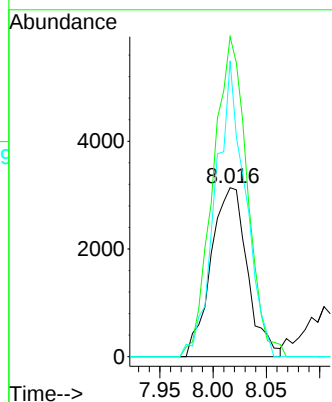


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

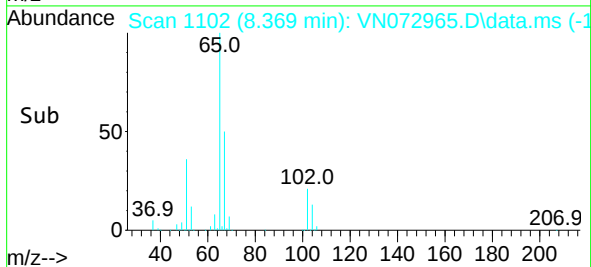
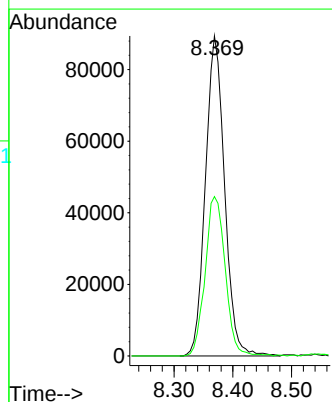
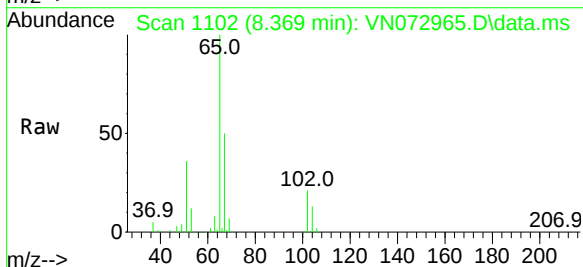


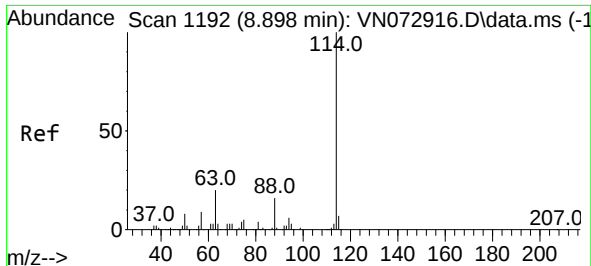
Tgt Ion: 56 Resp: 7436
Ion Ratio Lower Upper
56 100
69 189.4 27.8 41.8#
84 175.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 41.981 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 65 Resp: 202169
Ion Ratio Lower Upper
65 100
67 52.2 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: VN072965.D

Acq: 20 Jun 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-06

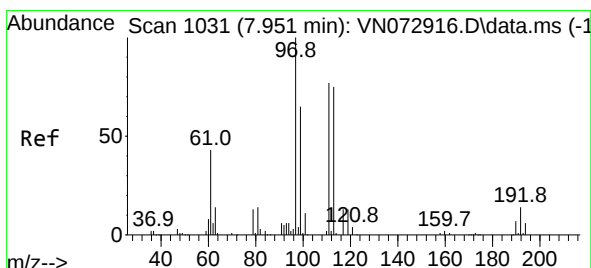
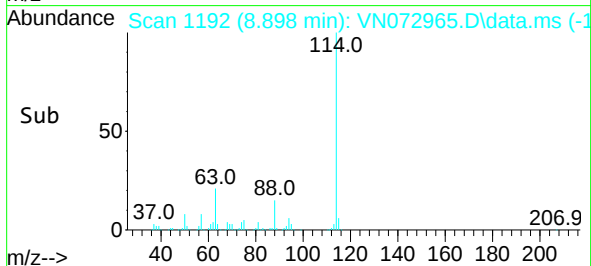
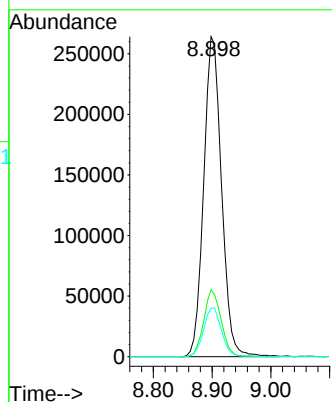
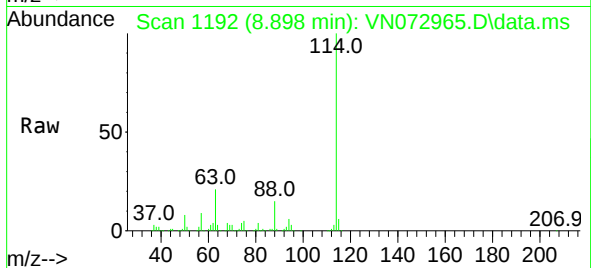
Tgt Ion:114 Resp: 558098

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.271 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN072965.D

Acq: 20 Jun 2022 16:41

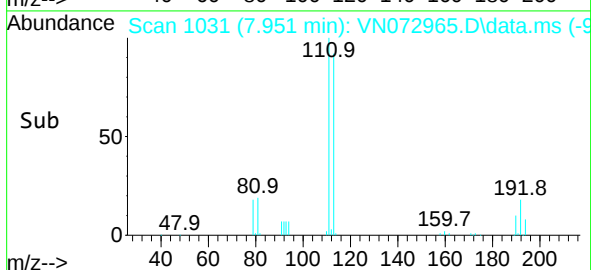
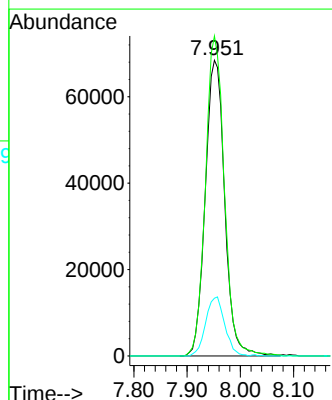
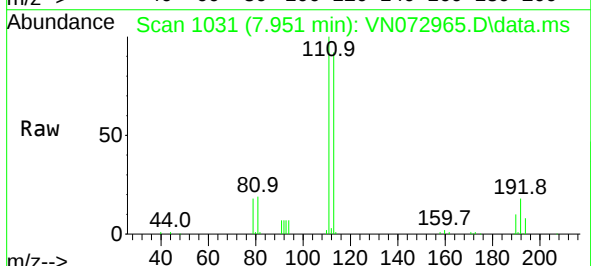
Tgt Ion:113 Resp: 173412

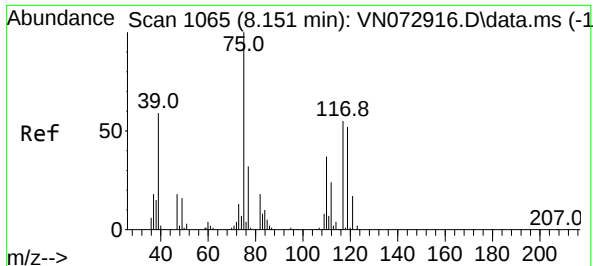
Ion Ratio Lower Upper

113 100

111 105.3 81.4 122.0

192 19.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.888 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN072965.D

Acq: 20 Jun 2022 16:41

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-06

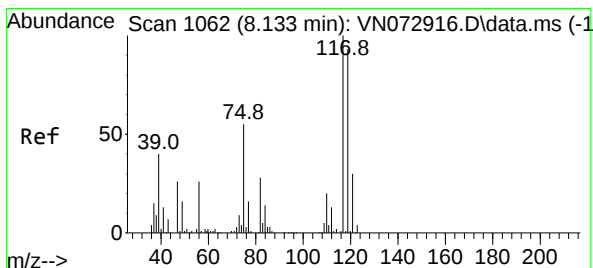
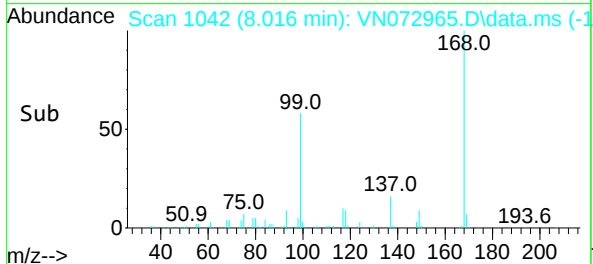
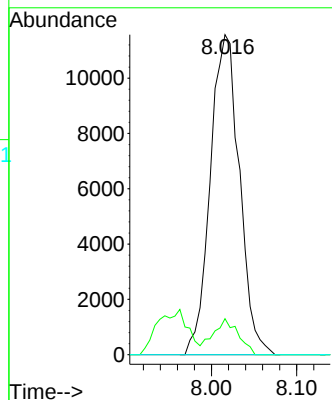
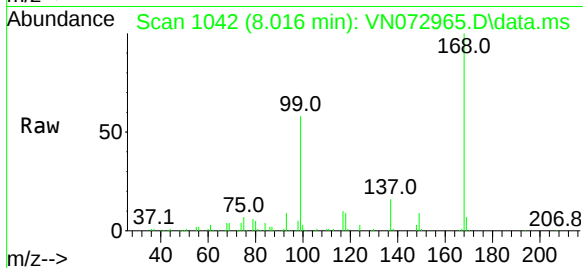
Tgt Ion: 75 Resp: 27482

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.314 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN072965.D

Acq: 20 Jun 2022 16:41

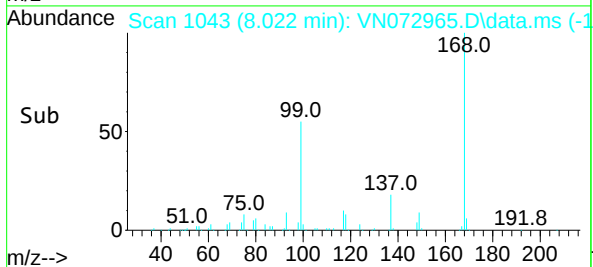
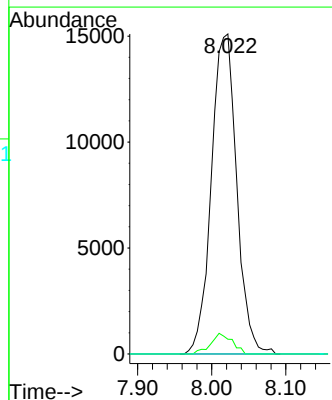
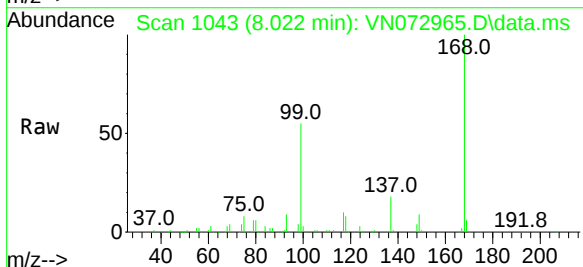
Tgt Ion: 117 Resp: 35907

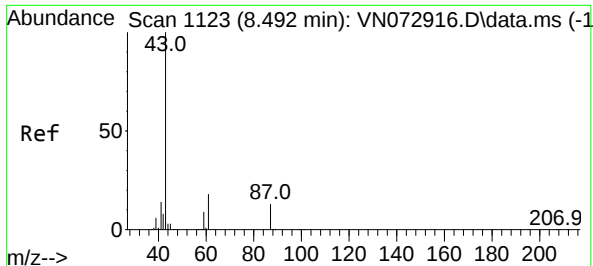
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.0 24.6 37.0#

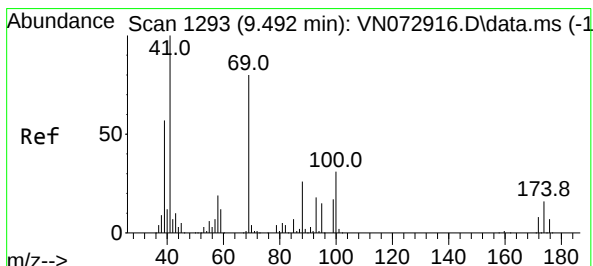
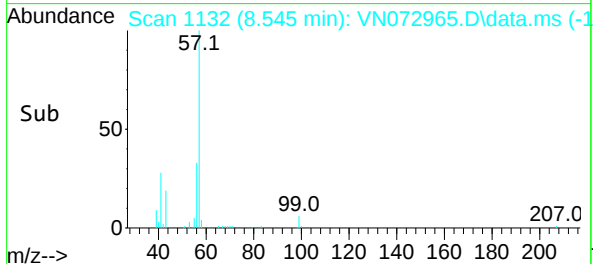
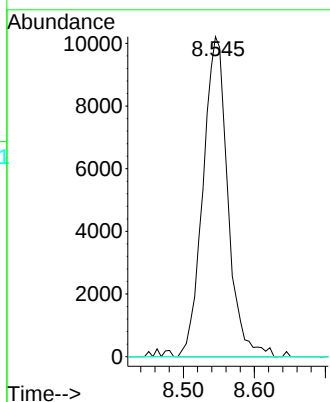
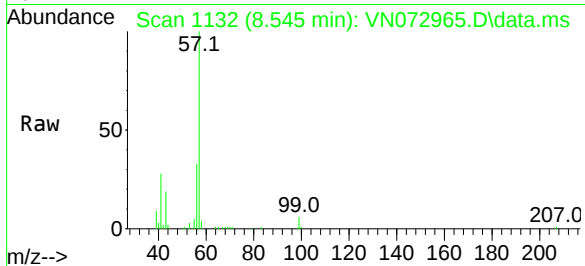




#43
Isopropyl Acetate
Concen: 2.324 ug/l
RT: 8.545 min Scan# 1123
Delta R.T. 0.053 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

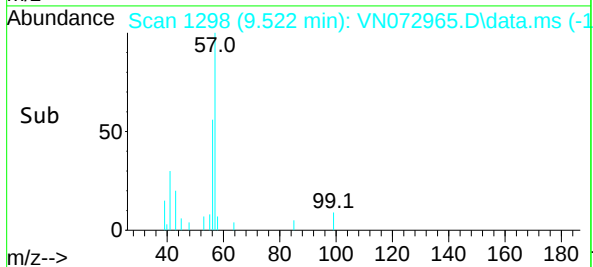
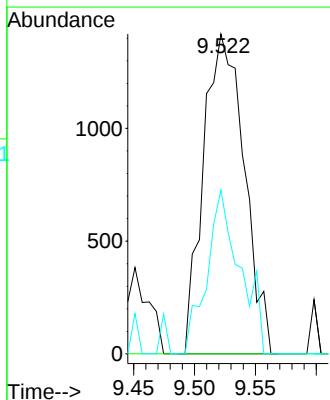
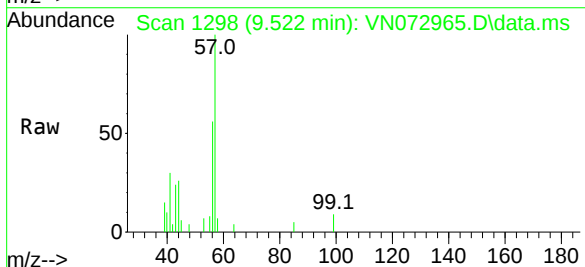
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

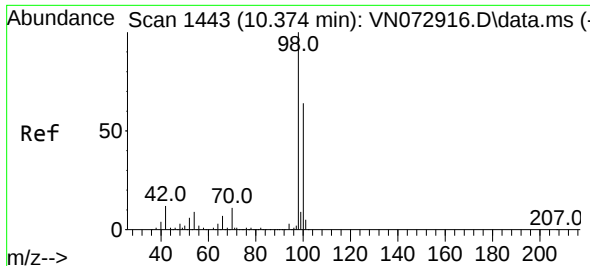
Tgt Ion: 43 Resp: 24801
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 0.677 ug/l
RT: 9.522 min Scan# 1298
Delta R.T. 0.029 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 41 Resp: 3300
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 41.8 45.6 68.4#

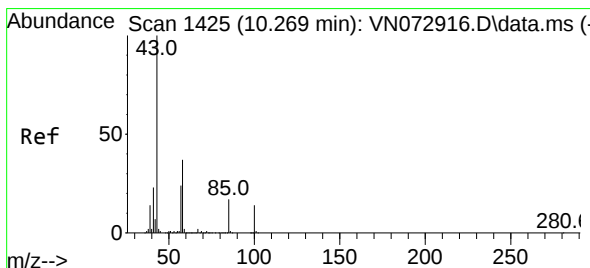
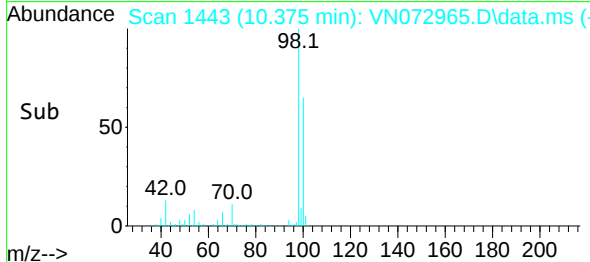
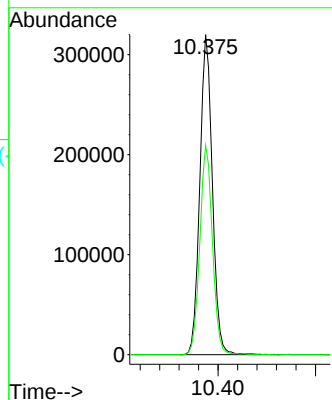
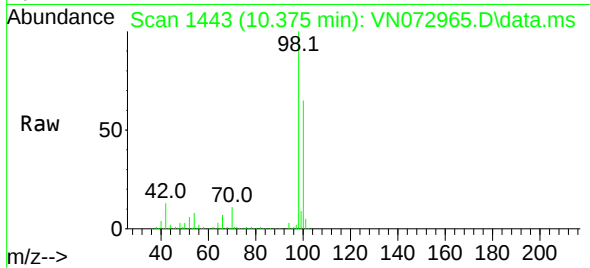




#50
Toluene-d8
Concen: 44.649 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

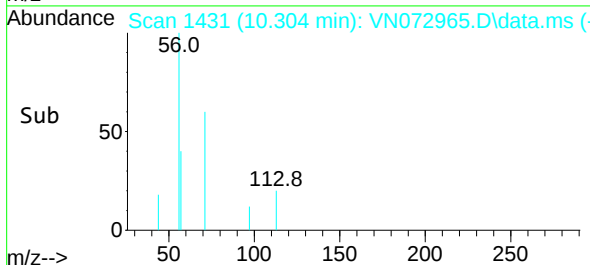
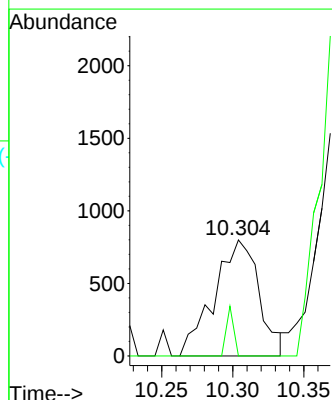
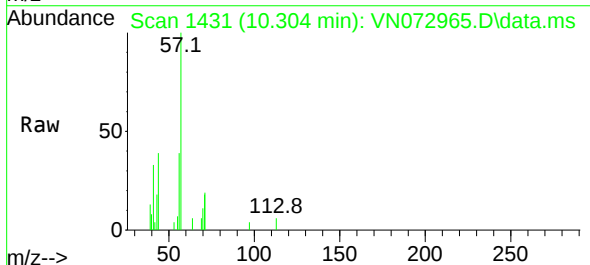
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

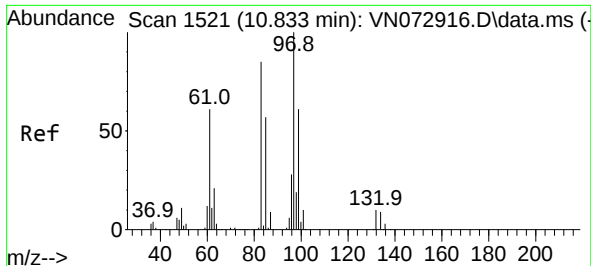
Tgt Ion: 98 Resp: 573108
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 10.304 min Scan# 1431
Delta R.T. 0.035 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#

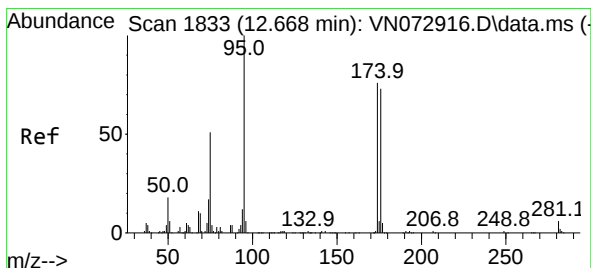
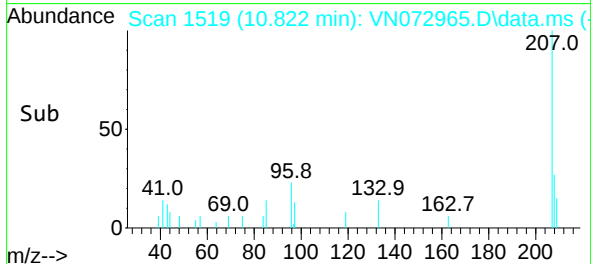
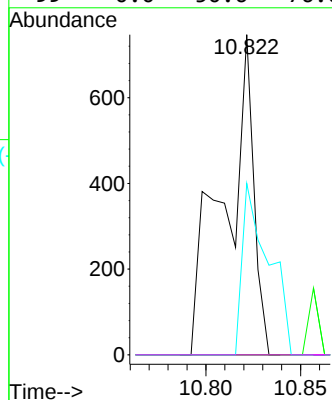
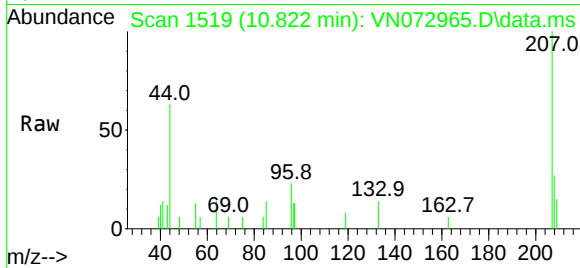




#55
1,1,2-Trichloroethane
Concen: 0.205 ug/l
RT: 10.822 min Scan# 1519
Delta R.T. -0.012 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

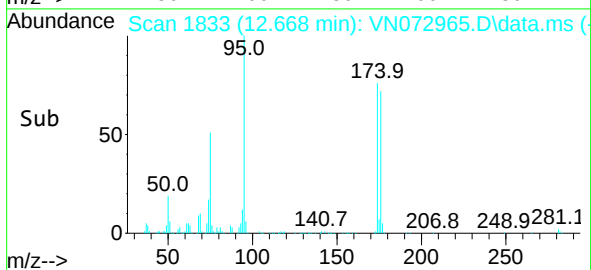
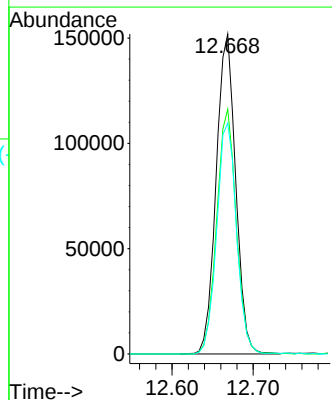
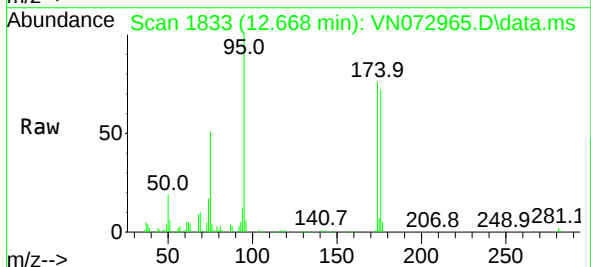
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

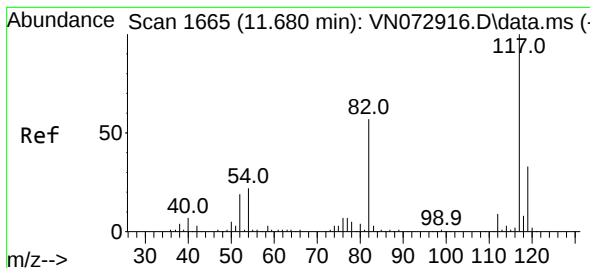
Tgt Ion: 97 Resp: 809
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 53.5 43.9 65.9
99 0.0 50.6 76.0#



#62
4-Bromofluorobenzene
Concen: 54.966 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 95 Resp: 253700
Ion Ratio Lower Upper
95 100
174 76.6 0.0 167.6
176 72.9 0.0 163.4

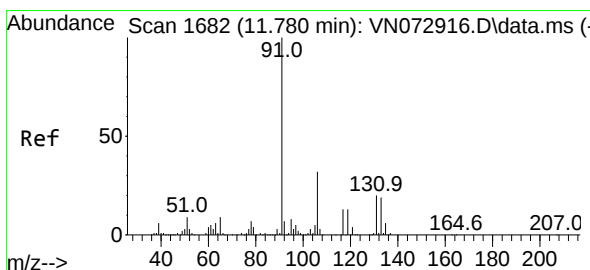
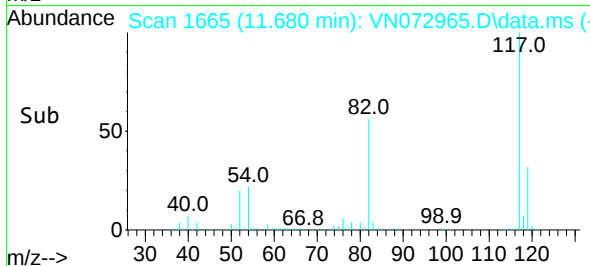
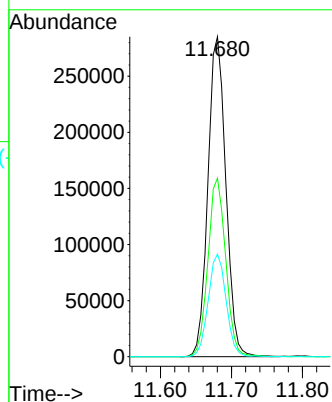
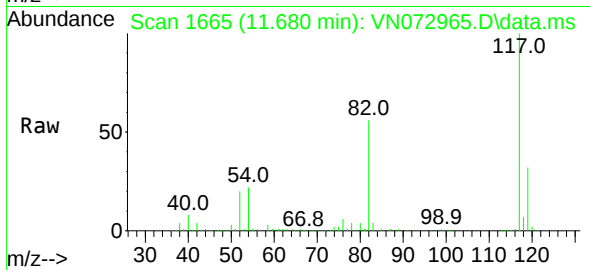




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

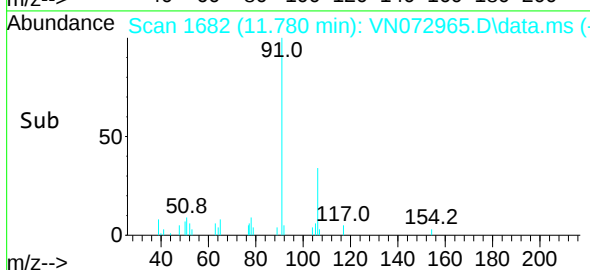
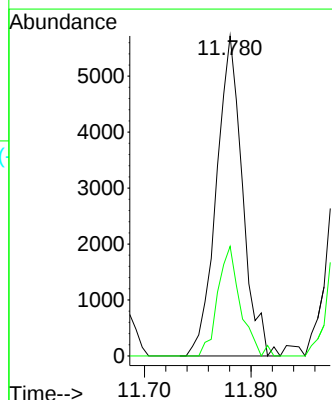
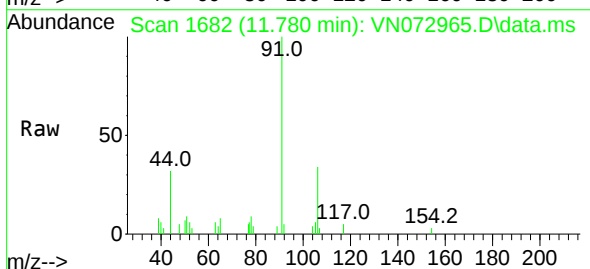
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

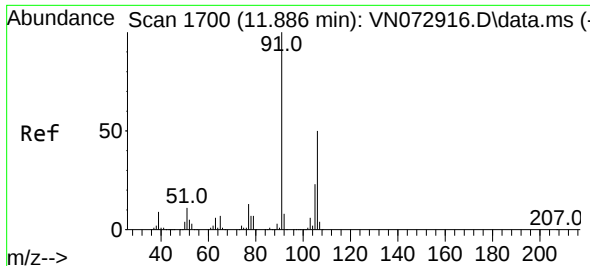
Tgt Ion:117 Resp: 500411
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 0.564 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 91 Resp: 9706
Ion Ratio Lower Upper
91 100
106 34.3 24.9 37.3

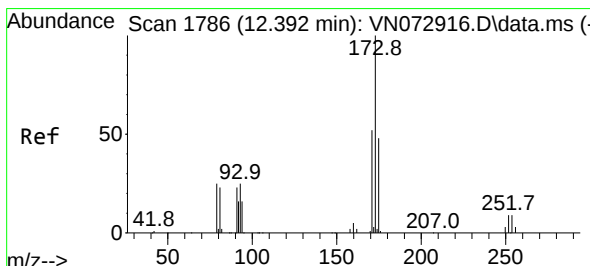
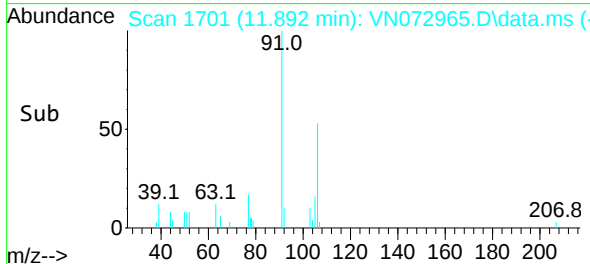
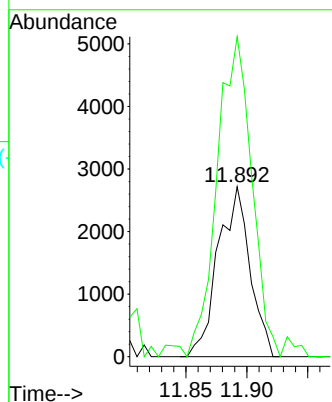
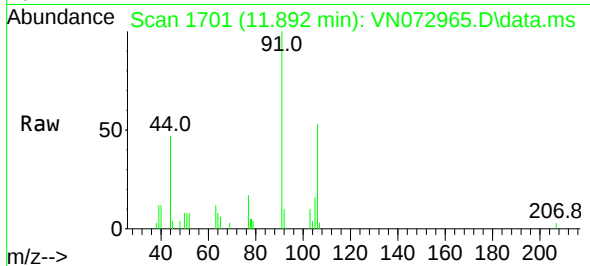




#68
m/p-Xylenes
Concen: 0.733 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

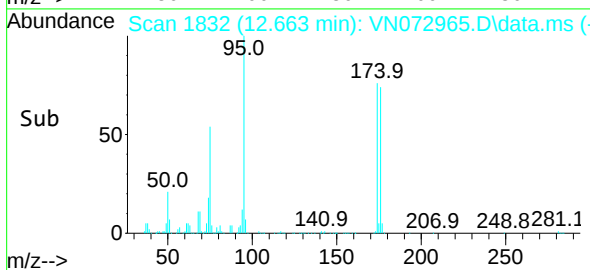
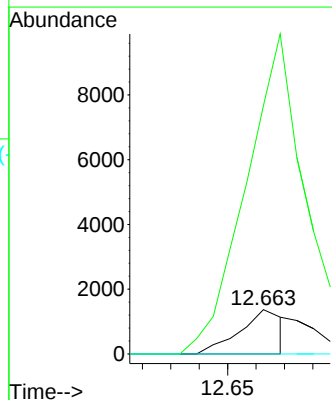
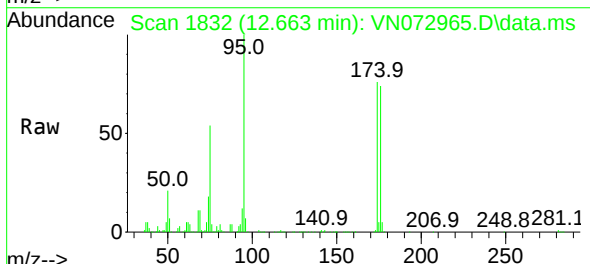
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

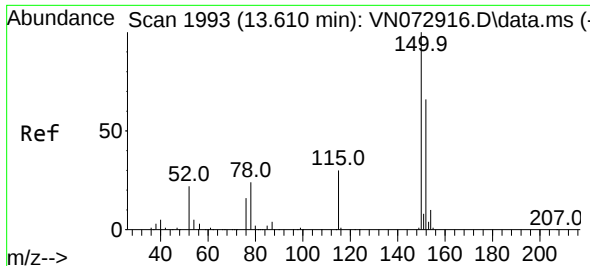
Tgt Ion:106 Resp: 4946
Ion Ratio Lower Upper
106 100
91 204.3 158.9 238.3



#71
Bromoform
Concen: 0.516 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.271 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion:173 Resp: 1447
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

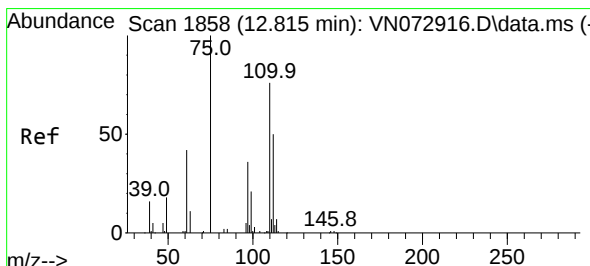
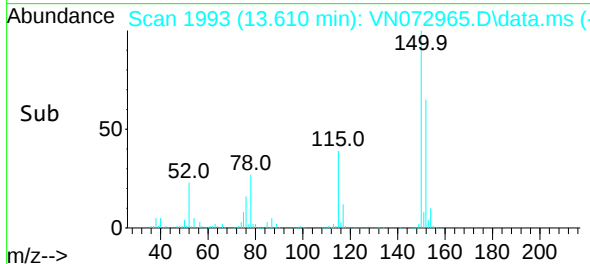
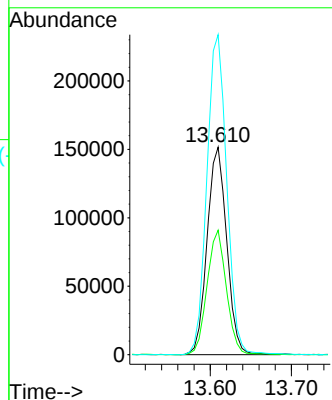
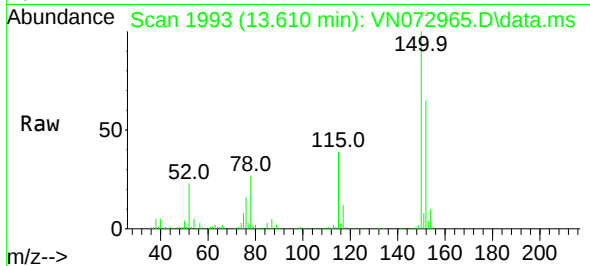




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN072965.D
 Acq: 20 Jun 2022 16:41

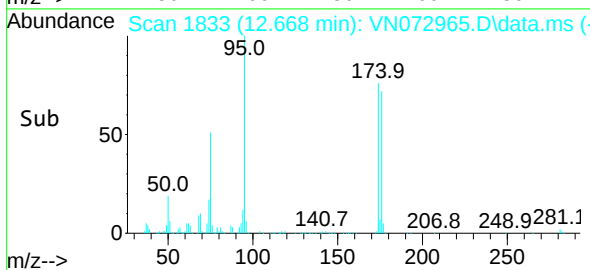
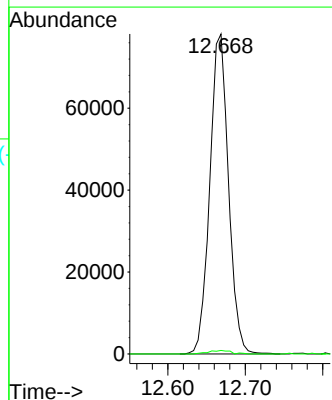
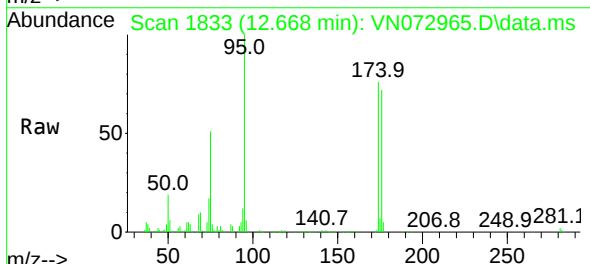
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06

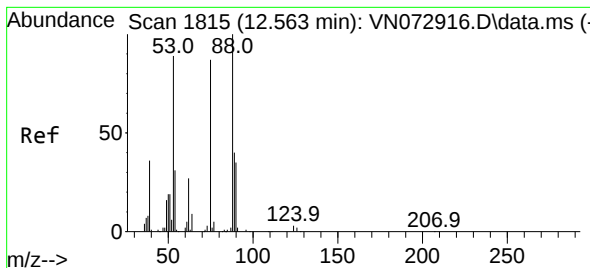
Tgt Ion:152 Resp: 254520
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.9 86.7
 150 156.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.193 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072965.D
 Acq: 20 Jun 2022 16:41

Tgt Ion: 75 Resp: 130777
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

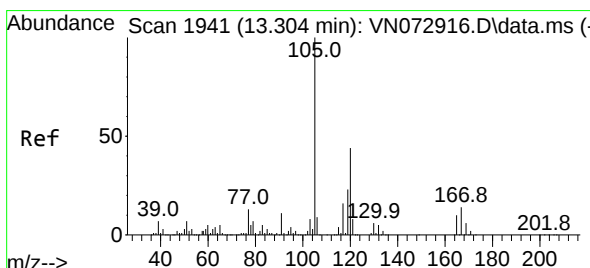
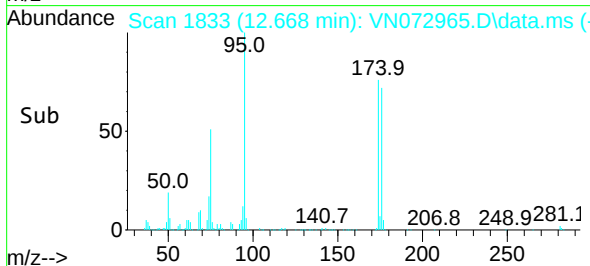
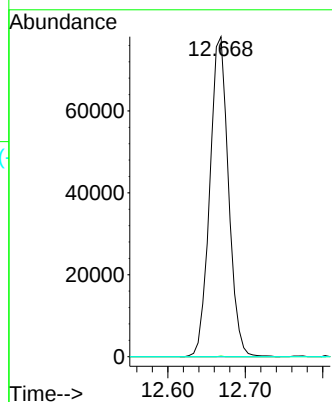
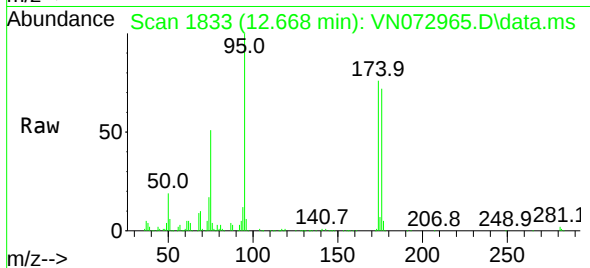




#81
trans-1,4-Dichloro-2-butene
Concen: 57.234 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

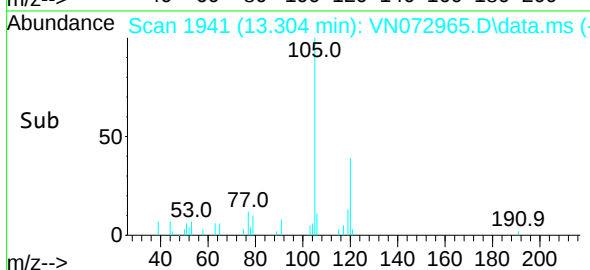
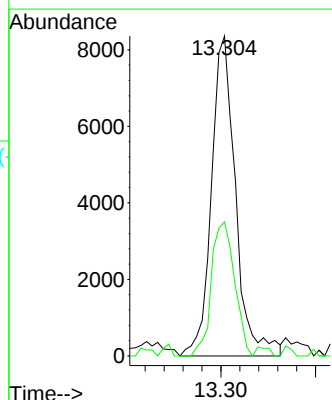
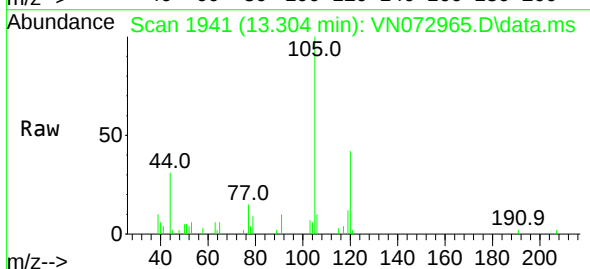
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-06

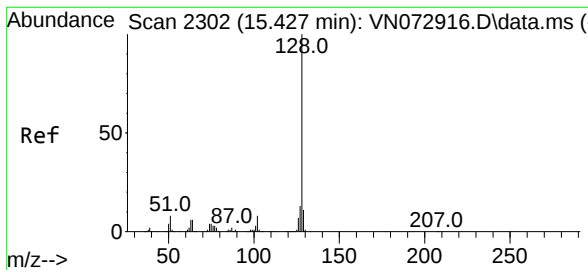
Tgt Ion: 75 Resp: 130777
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.920 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN072965.D
Acq: 20 Jun 2022 16:41

Tgt Ion: 105 Resp: 14815
Ion Ratio Lower Upper
105 100
120 40.3 23.3 69.8





#95
 Naphthalene
 Concen: 1.707 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN072965.D
 Acq: 20 Jun 2022 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-06

Tgt Ion:	128	Resp:	33555
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	11.5	8.6	13.0

