

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074607.D
 Acq On : 21 Sep 2022 12:35
 Operator : JC\MD
 Sample : N4645-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-08

Quant Time: Sep 22 06:57:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

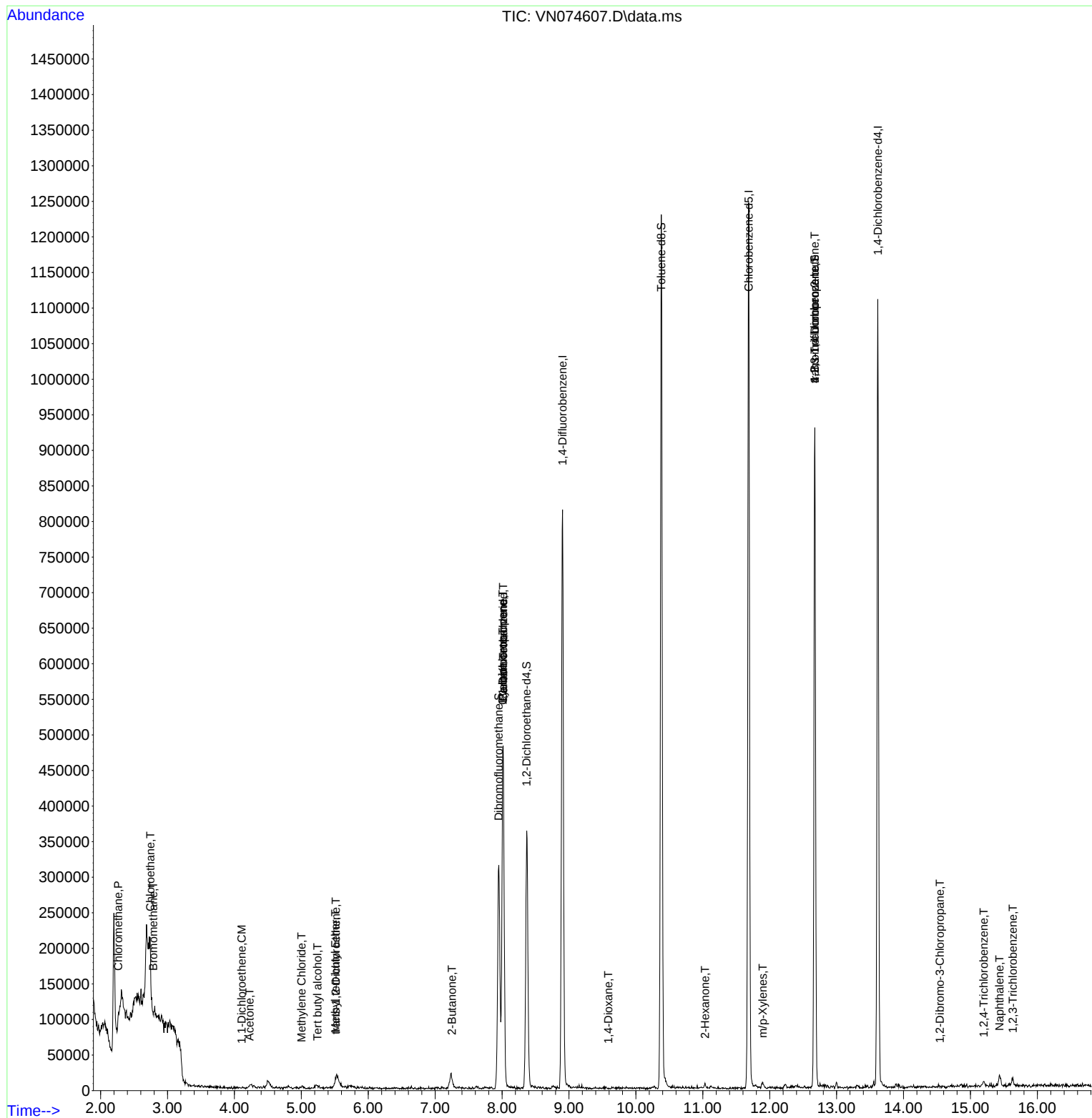
Internal Standards						
1) Pentafluorobenzene	8.016	168	340968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	672521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	638354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	254289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	265631	45.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.820%		
35) Dibromofluoromethane	7.951	113	213424	47.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	10.380	98	781732	45.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.500%		
62) 4-Bromofluorobenzene	12.674	95	284115	48.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.020%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1692	0.528	ug/l #	88
5) Bromomethane	2.787	94	3255	0.924	ug/l #	13
6) Chloroethane	2.746	64	24458	5.361	ug/l #	47
11) Tert butyl alcohol	5.239	59	4169	2.212	ug/l #	81
12) 1,1-Dichloroethene	4.110	96	224	0.734	ug/l #	11
16) Acetone	4.228	43	4477	1.209	ug/l #	85
19) Methyl tert-butyl Ether	5.510	73	13299	0.703	ug/l #	86
20) Methylene Chloride	5.004	84	1559	0.306	ug/l #	32
21) trans-1,2-Dichloroethene	5.516	96	170	0.463	ug/l #	1
25) 2-Butanone	7.251	43	2456	0.400	ug/l #	63
31) Cyclohexane	8.010	56	12024	1.171	ug/l #	61
36) 1,1-Dichloropropene	8.010	75	35446	4.483	ug/l #	46
38) Carbon Tetrachloride	8.016	117	38710	5.302	ug/l #	18
49) 1,4-Dioxane	9.586	88	114	0.699	ug/l #	25
59) 2-Hexanone	11.033	43	4477	0.469	ug/l	72
68) m/p-Xylenes	11.898	106	2263	0.208	ug/l #	61
76) 1,2,3-Trichloropropane	12.674	75	171433	21.902	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	171433	47.272	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	476	0.207	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.198	180	1956	0.387	ug/l #	58
95) Naphthalene	15.433	128	13759	2.201	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.633	180	3965	2.074	ug/l	75

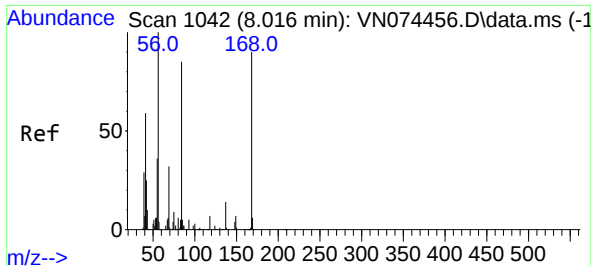
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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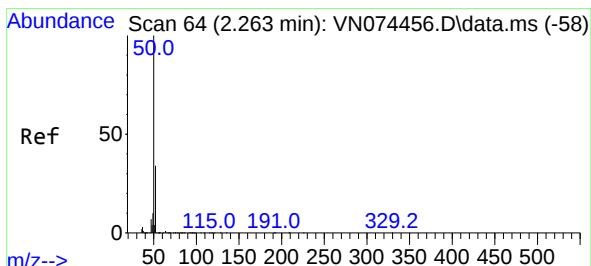
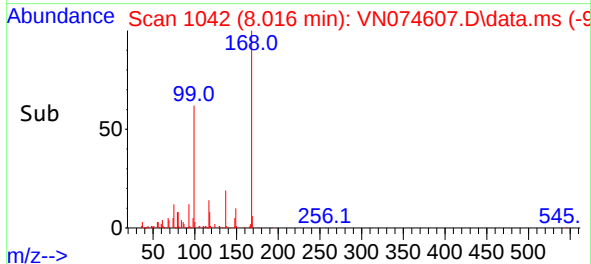
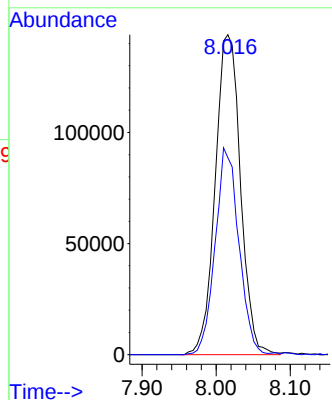
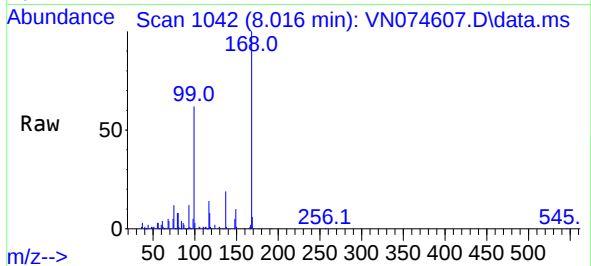




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

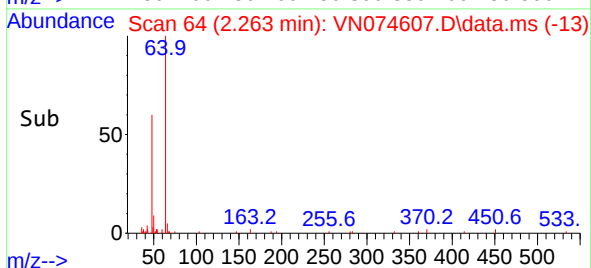
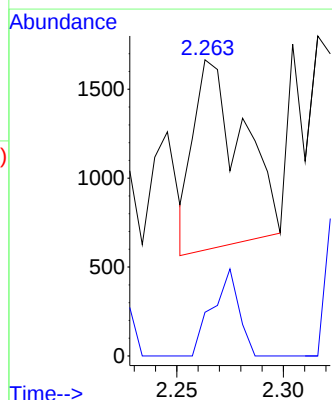
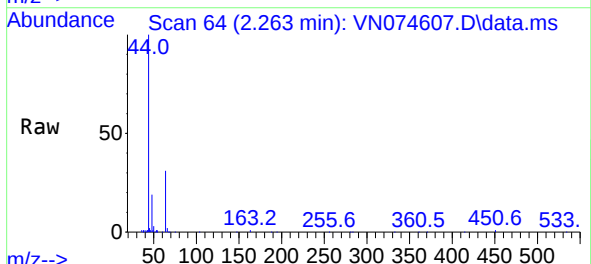
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

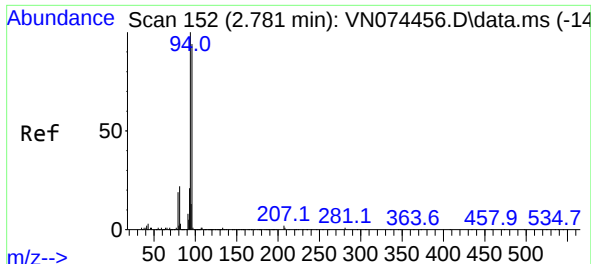
Tgt Ion:168 Resp: 340968
Ion Ratio Lower Upper
168 100
99 61.5 42.3 63.5



#3
Chloromethane
Concen: 0.528 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 50 Resp: 1692
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

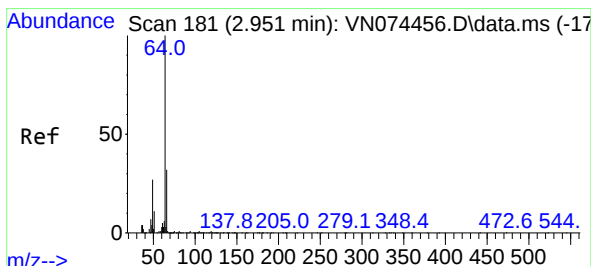
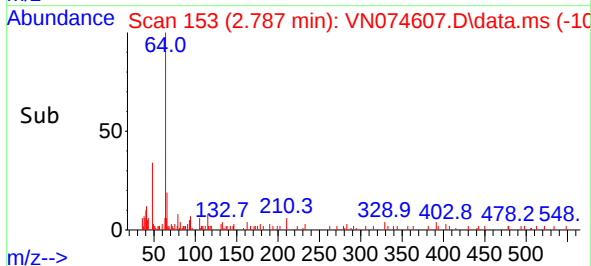
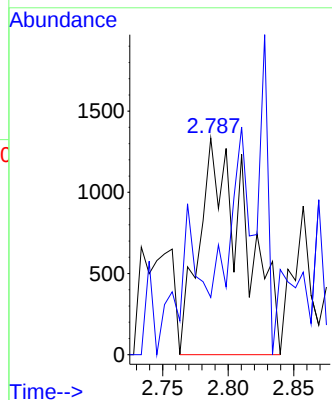
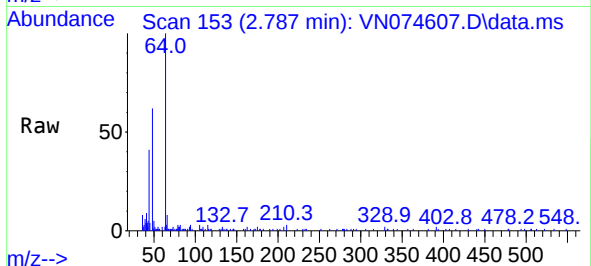




#5
Bromomethane
Concen: 0.924 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

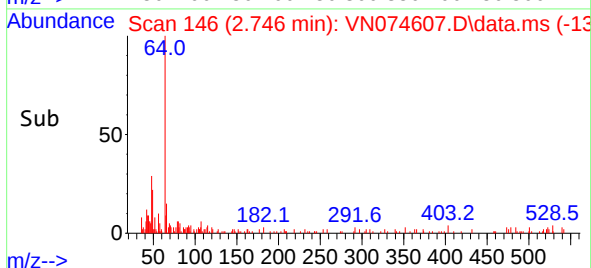
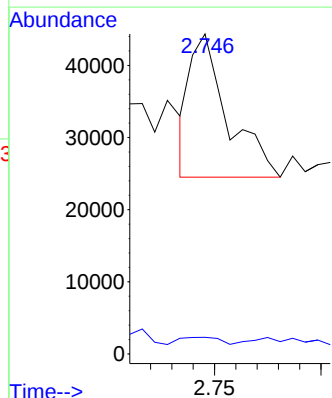
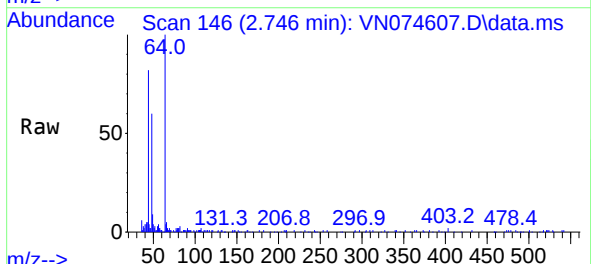
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

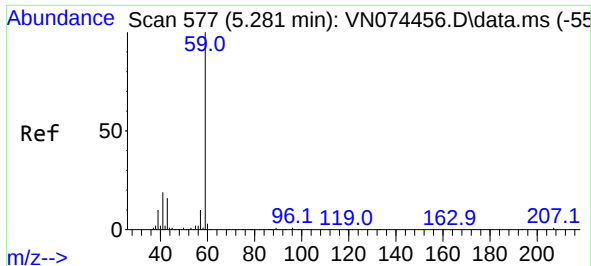
Tgt Ion: 94 Resp: 3255
Ion Ratio Lower Upper
94 100
96 10.9 76.0 114.0#



#6
Chloroethane
Concen: 5.361 ug/l
RT: 2.746 min Scan# 146
Delta R.T. -0.205 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 64 Resp: 24458
Ion Ratio Lower Upper
64 100
66 3.0 26.2 39.4#

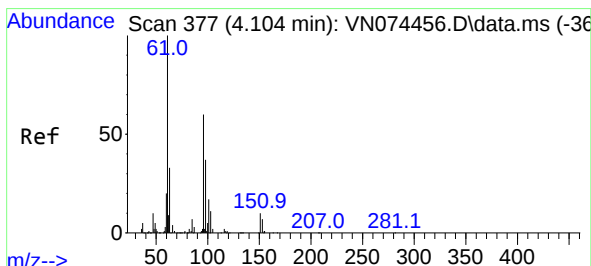
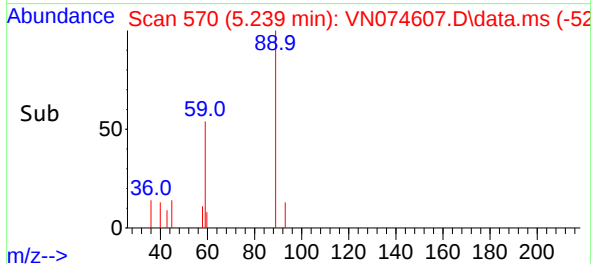
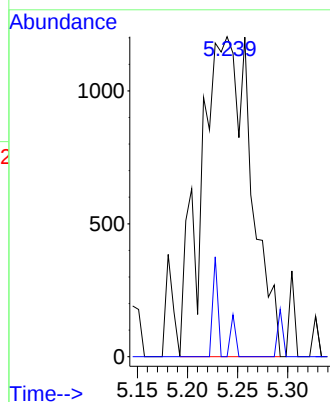
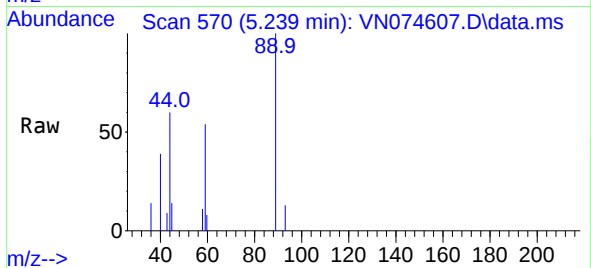




#11
Tert butyl alcohol
Concen: 2.212 ug/l
RT: 5.239 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

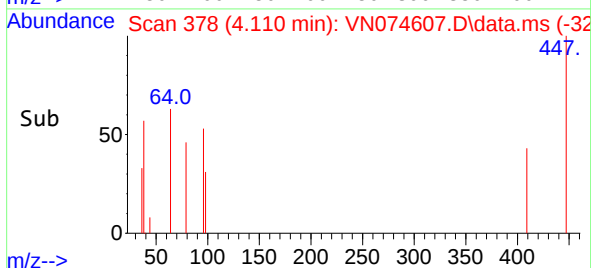
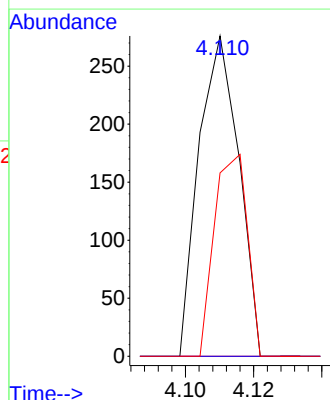
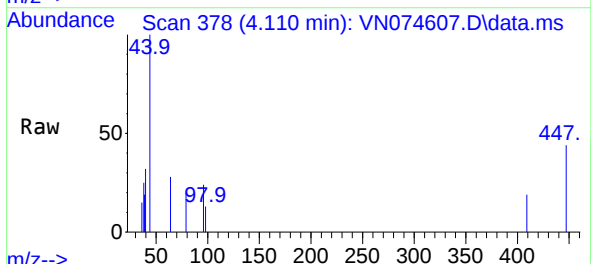
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

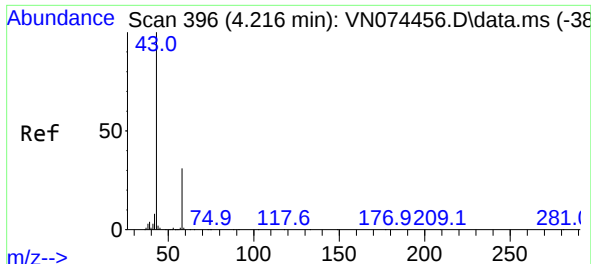
Tgt Ion: 59 Resp: 4169
Ion Ratio Lower Upper
59 100
57 3.2 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.734 ug/l
RT: 4.110 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 96 Resp: 224
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 57.2 51.2 76.8

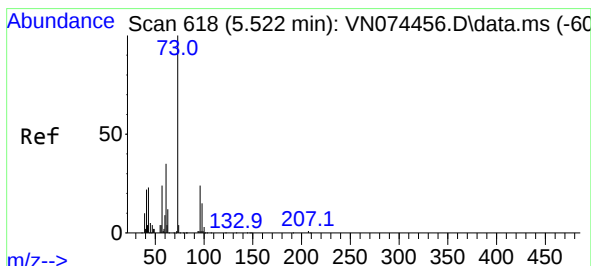
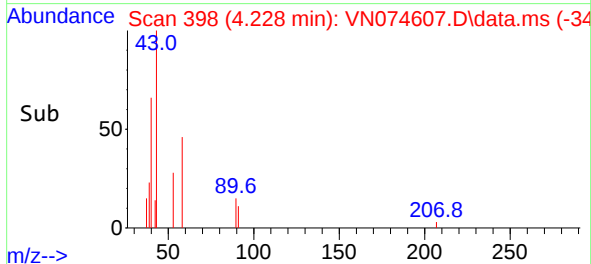
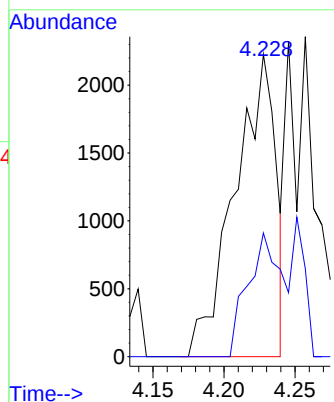
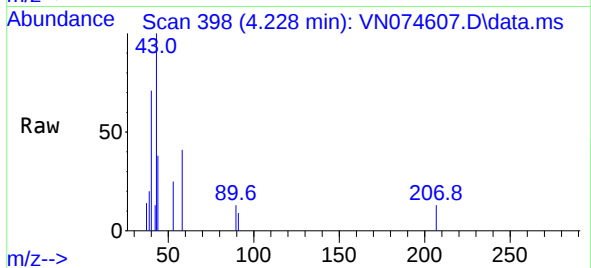




#16
Acetone
Concen: 1.209 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

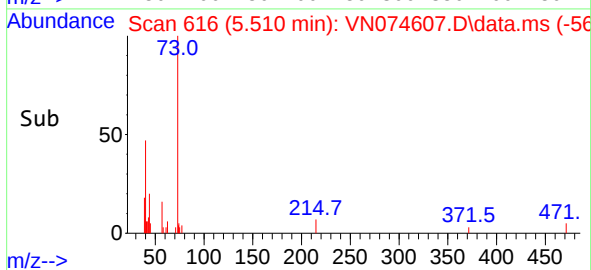
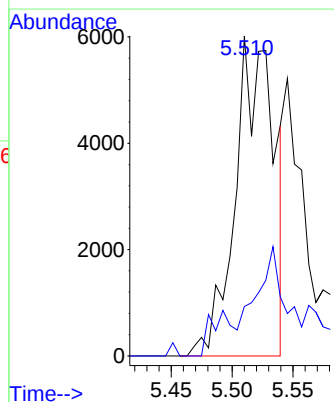
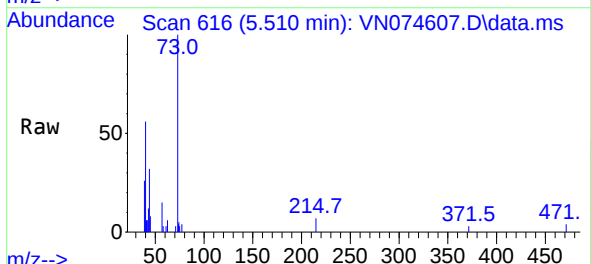
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

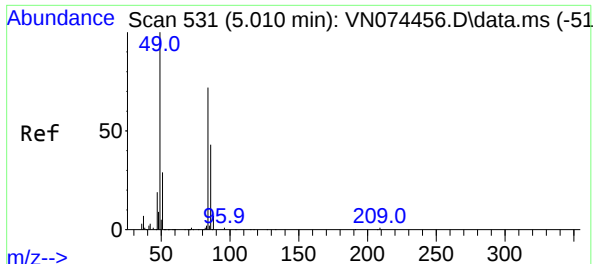
Tgt Ion: 43 Resp: 4477
Ion Ratio Lower Upper
43 100
58 40.9 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 0.703 ug/l
RT: 5.510 min Scan# 616
Delta R.T. -0.012 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 73 Resp: 13299
Ion Ratio Lower Upper
73 100
57 15.4 17.6 26.4#

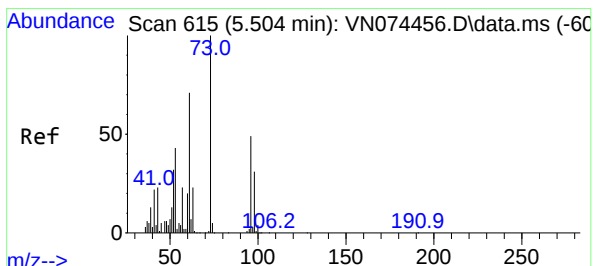
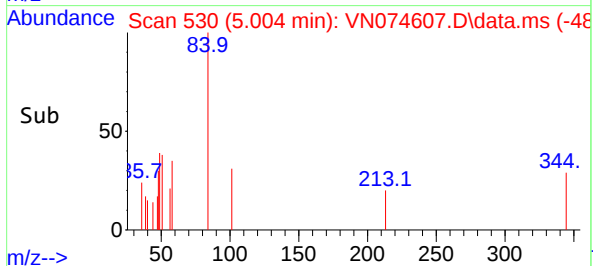
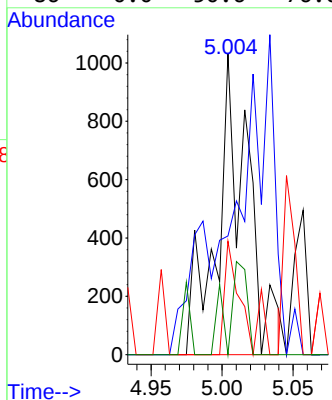
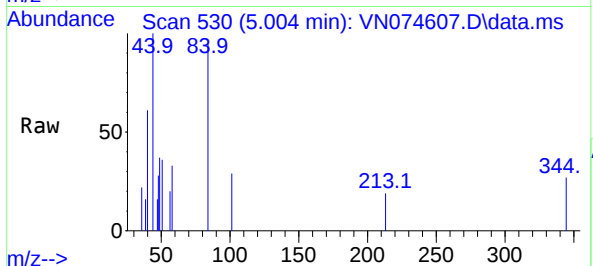




#20
Methylene Chloride
Concen: 0.306 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

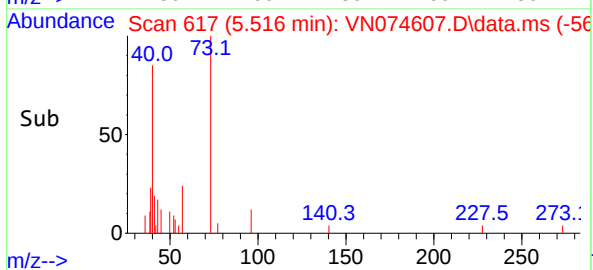
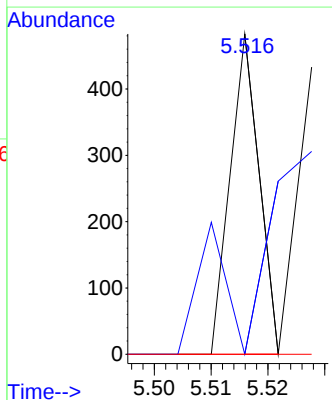
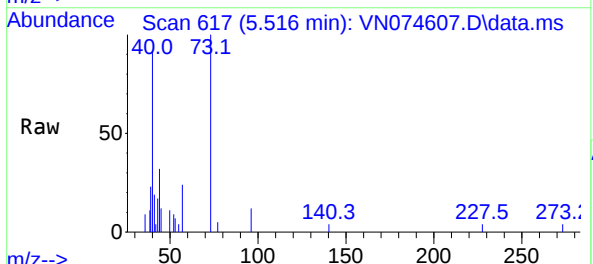
Instrument :
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ClientSampleId :
TOLL-MW-08

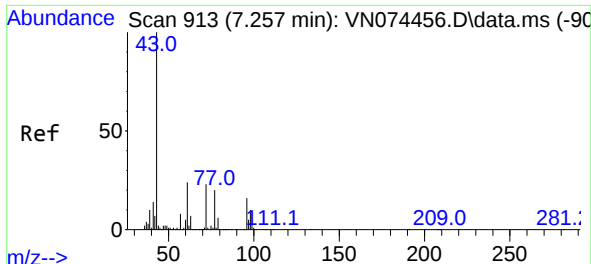
Tgt Ion: 84	Resp: 1559
Ion Ratio	Lower Upper
84 100	
49 24.3	88.3 132.5#
51 37.7	28.2 42.2
86 0.0	50.6 76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.463 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.012 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 96	Resp: 170		
Ion Ratio	Lower	Upper	
96 100			
61 0.0	105.8	158.8#	
98 0.0	50.3	75.5#	





#25

2-Butanone

Concen: 0.400 ug/l

RT: 7.251 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN074607.D

Acq: 21 Sep 2022 12:35

Instrument :

MSVOA_N

ClientSampleId :

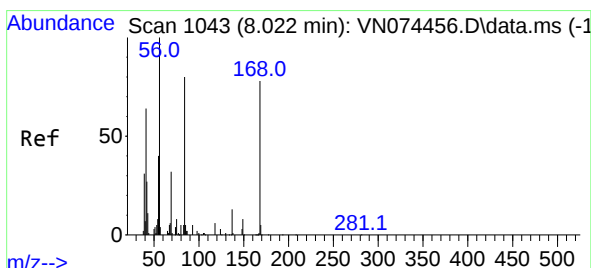
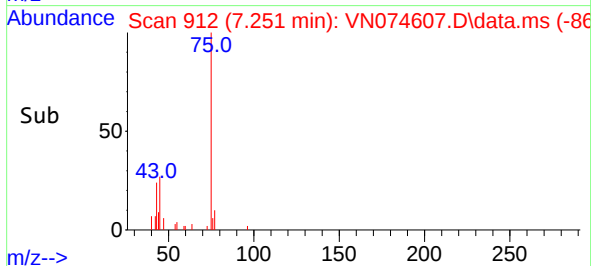
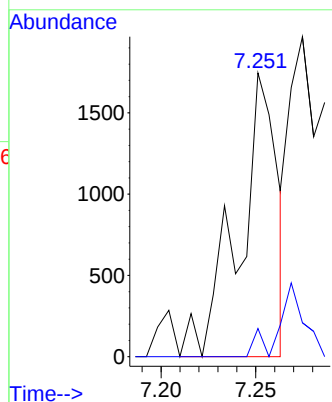
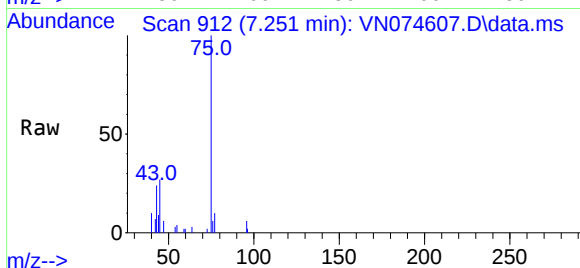
TOLL-MW-08

Tgt Ion: 43 Resp: 2456

Ion Ratio Lower Upper

43 100

72 9.9 23.7 35.5#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074607.D

Acq: 21 Sep 2022 12:35

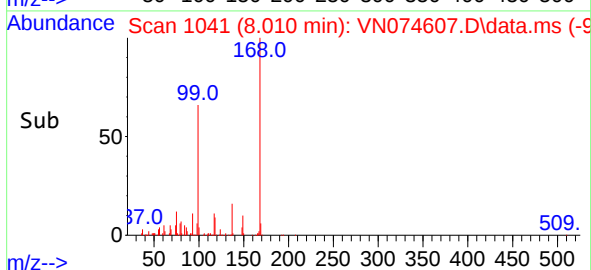
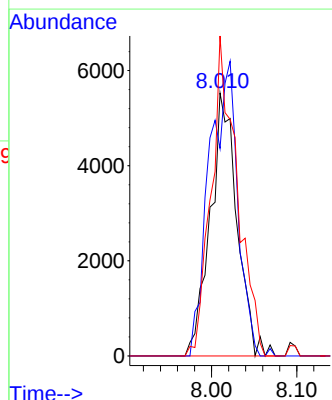
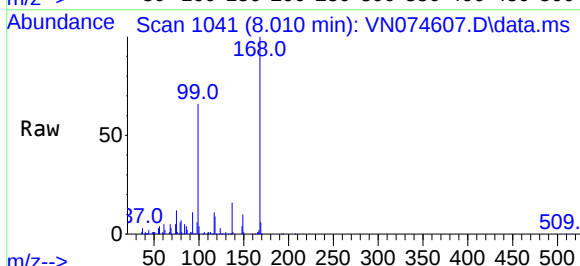
Tgt Ion: 56 Resp: 12024

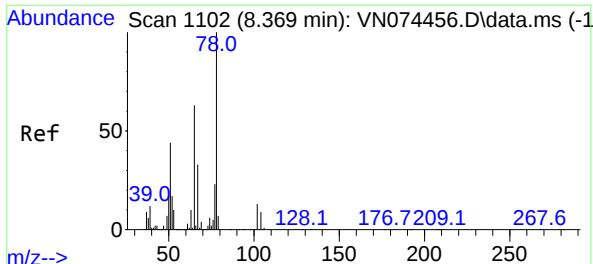
Ion Ratio Lower Upper

56 100

69 78.9 27.8 41.8#

84 121.6 76.9 115.3#

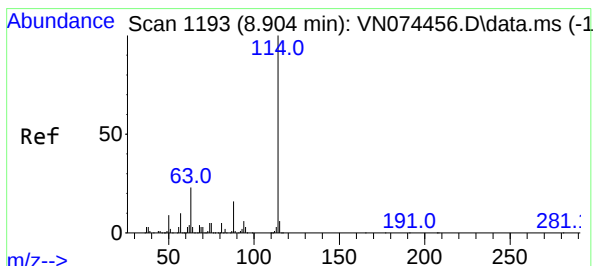
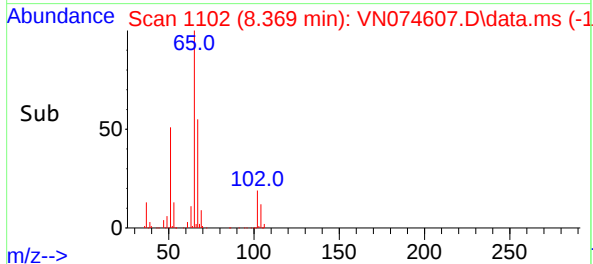
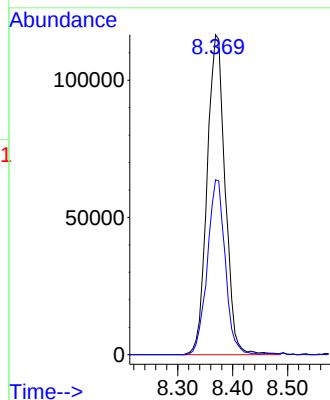
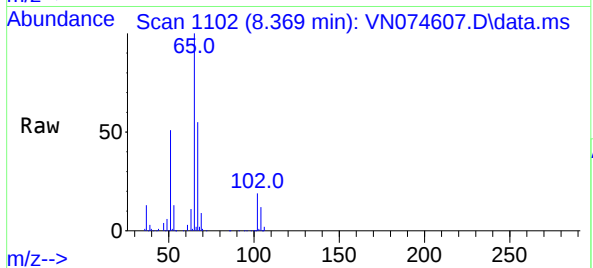




#33
1,2-Dichloroethane-d4
Concen: 45.914 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

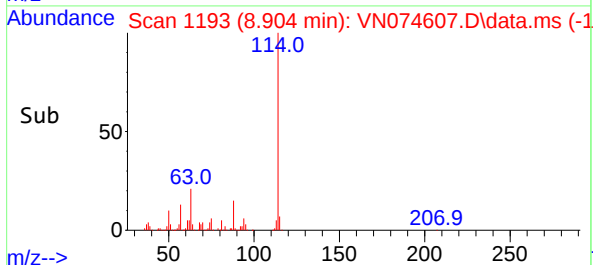
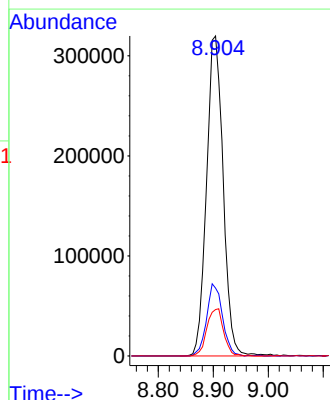
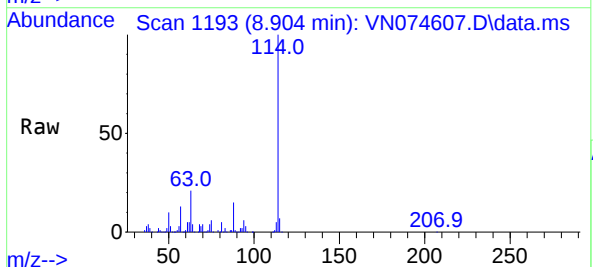
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

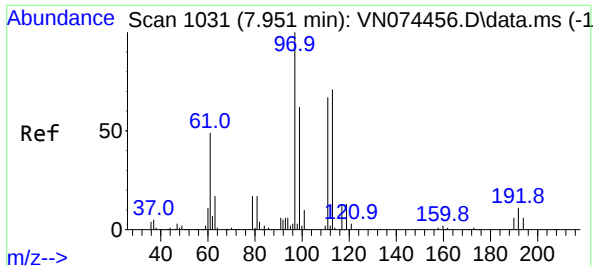
Tgt Ion: 65 Resp: 265631
Ion Ratio Lower Upper
65 100
67 54.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 114 Resp: 672521
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.0
88 14.5 0.0 32.6

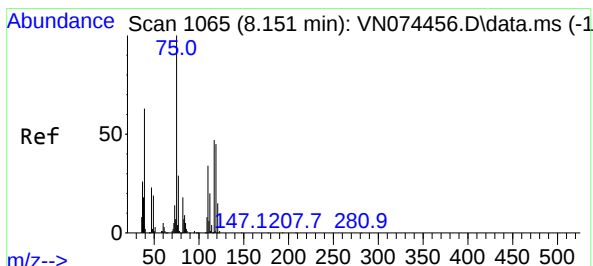
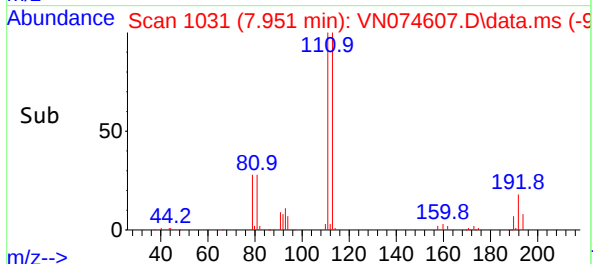
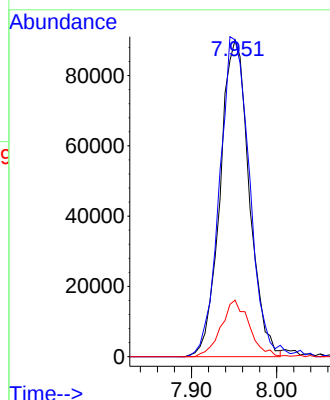
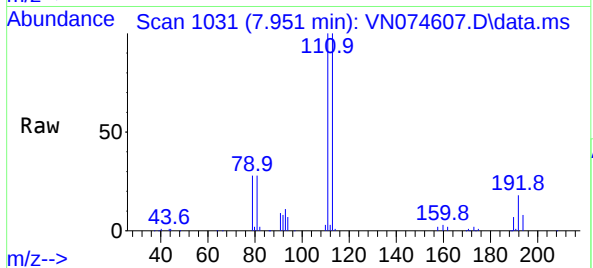




#35
Dibromofluoromethane
Concen: 47.773 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

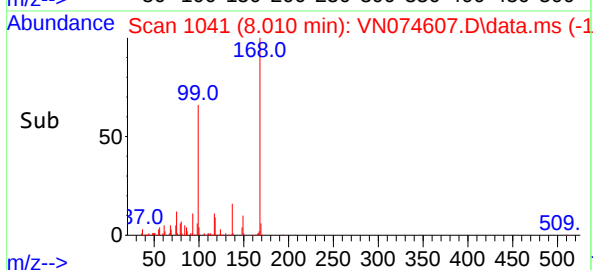
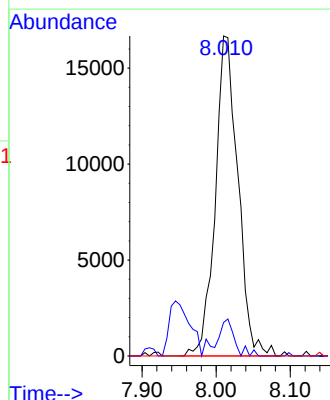
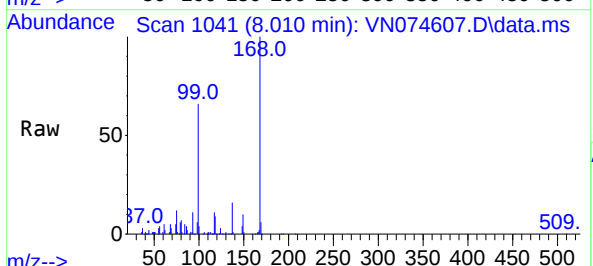
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

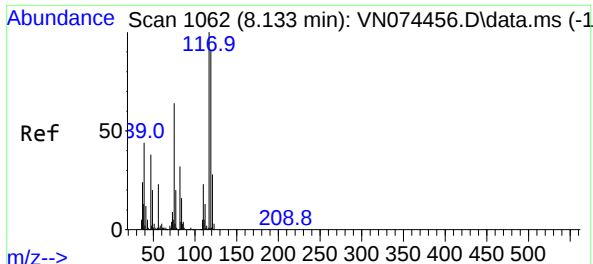
Tgt Ion:113 Resp: 213424
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 17.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.483 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 75 Resp: 35446
Ion Ratio Lower Upper
75 100
110 6.5 18.3 54.8#
77 0.0 25.1 37.7#

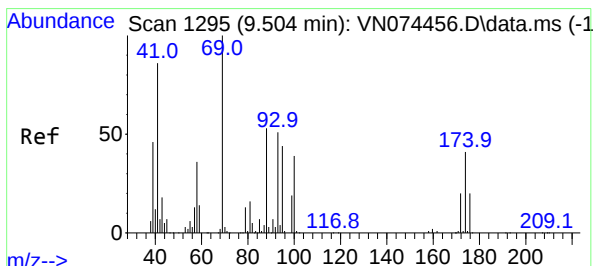
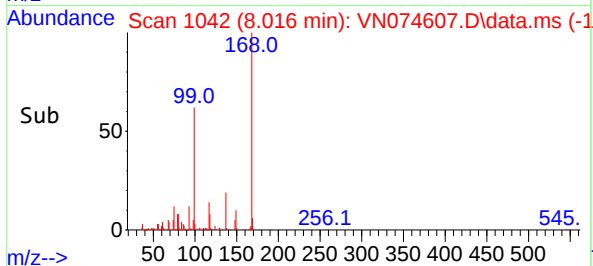
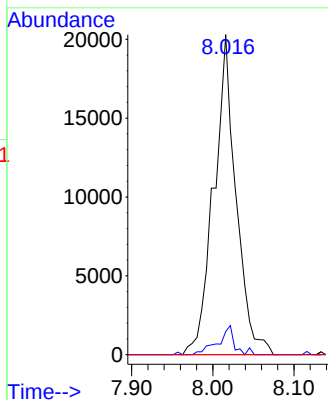
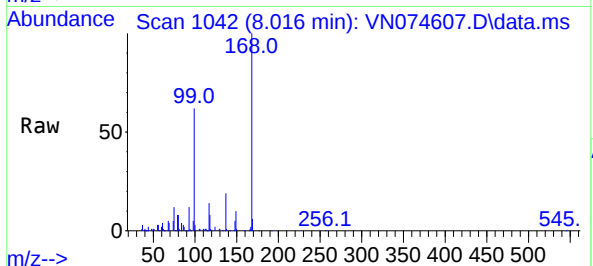




#38
Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

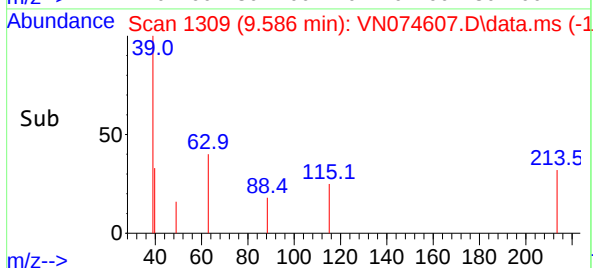
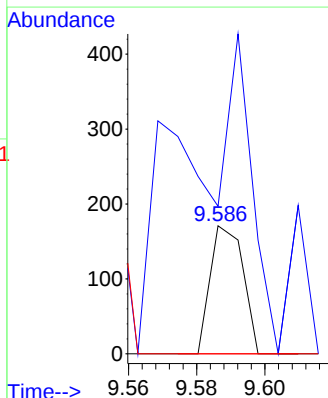
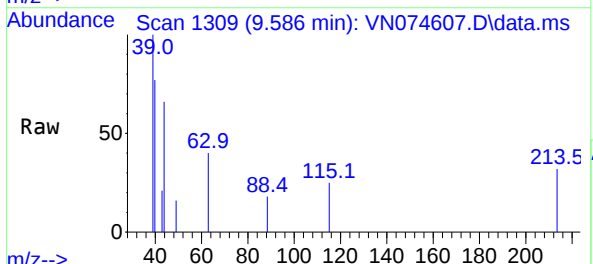
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

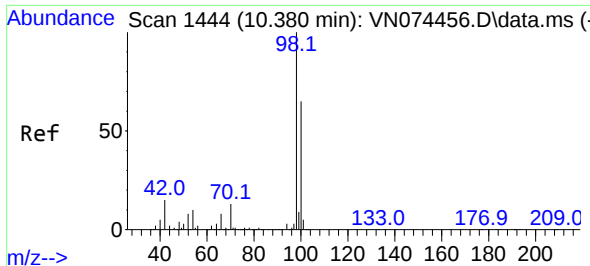
Tgt Ion:117 Resp: 38710
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.699 ug/l
RT: 9.586 min Scan# 1309
Delta R.T. 0.082 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

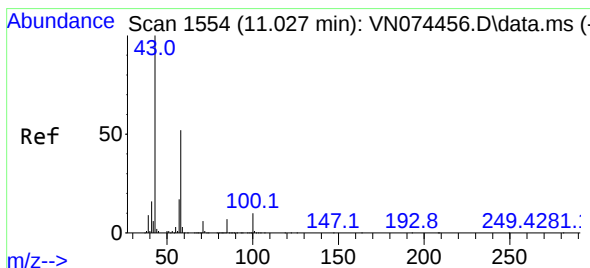
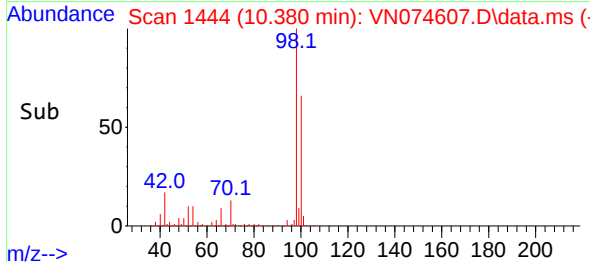
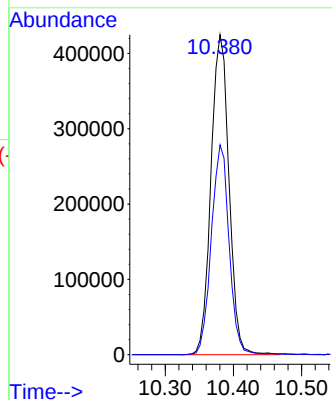
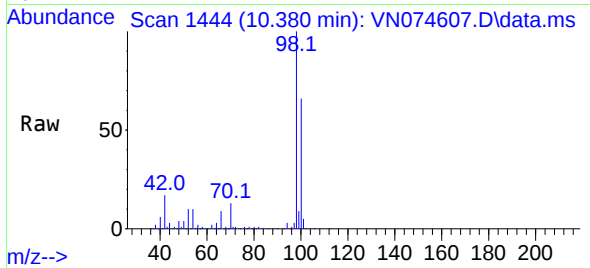




#50
Toluene-d8
Concen: 45.246 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

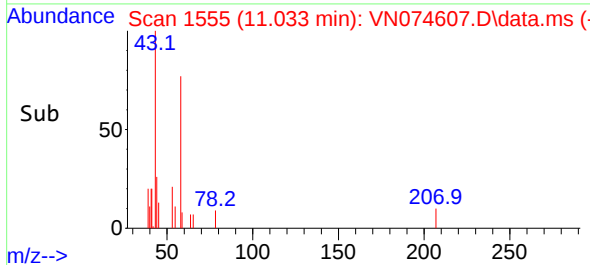
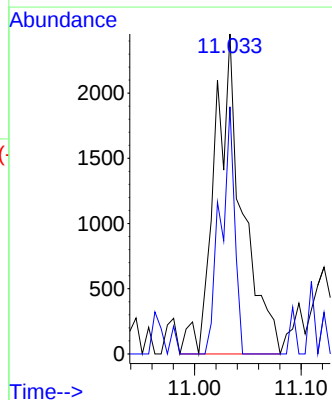
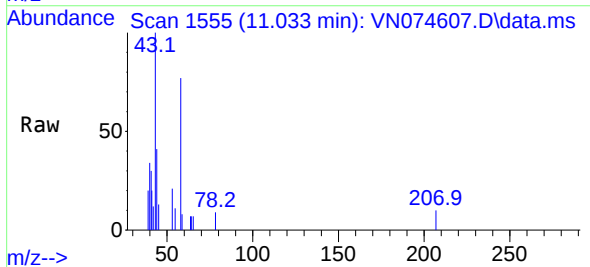
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

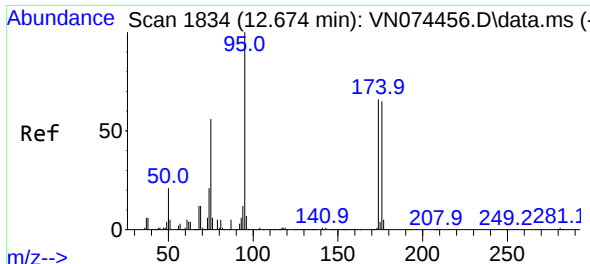
Tgt Ion: 98 Resp: 781732
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#59
2-Hexanone
Concen: 0.469 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 43 Resp: 4477
Ion Ratio Lower Upper
43 100
58 38.6 29.7 89.1

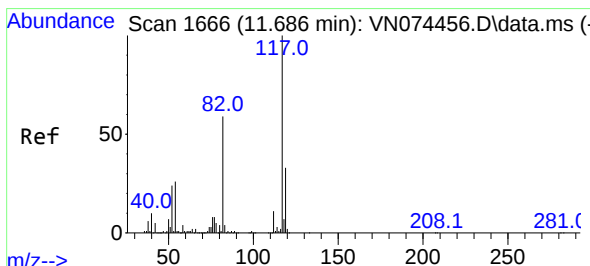
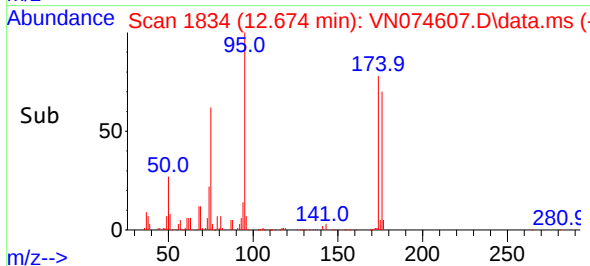
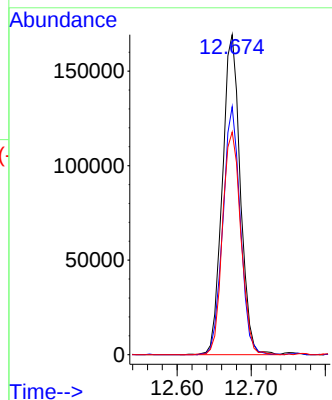
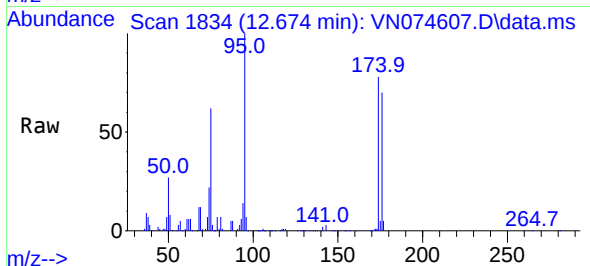




#62
4-Bromofluorobenzene
Concen: 48.014 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

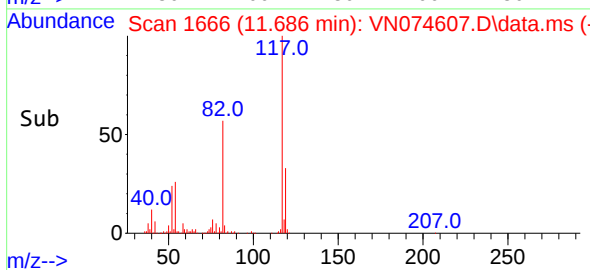
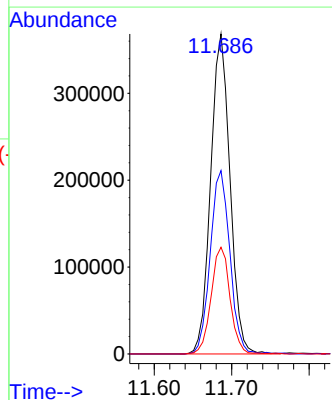
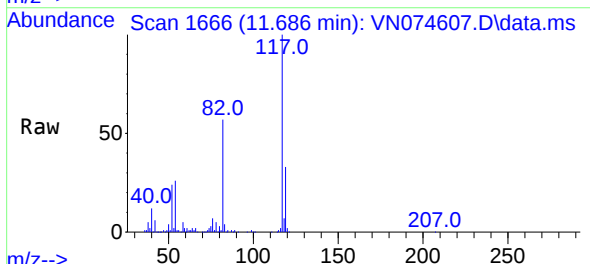
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

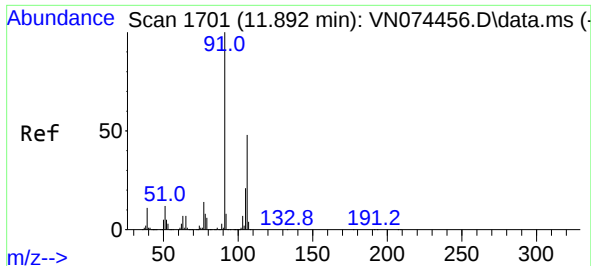
Tgt Ion: 95 Resp: 284115
Ion Ratio Lower Upper
95 100
174 75.3 0.0 167.6
176 71.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 117 Resp: 638354
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 33.4 25.4 38.0

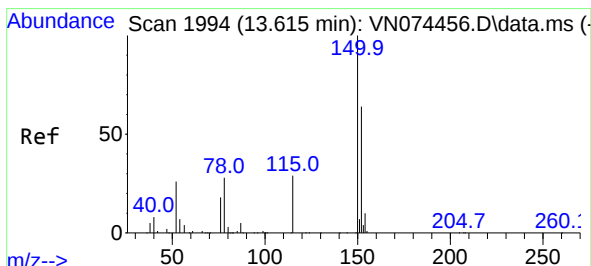
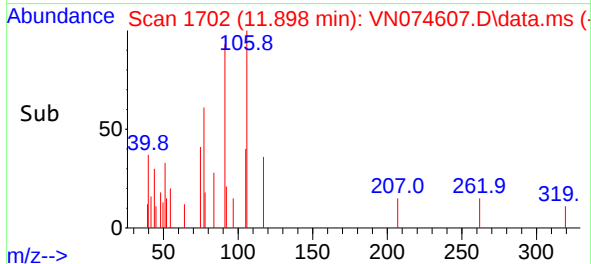
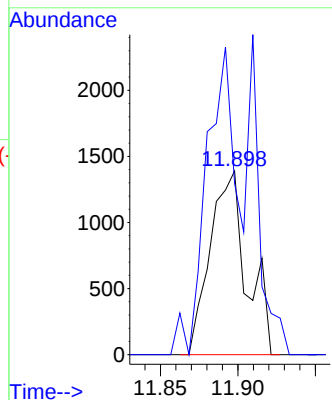
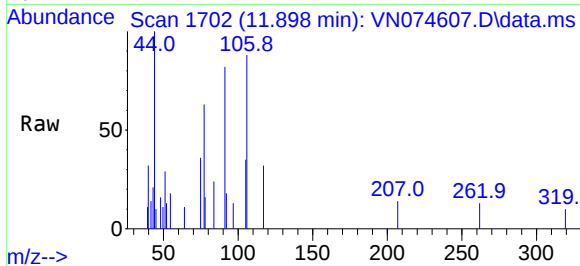




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 11.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

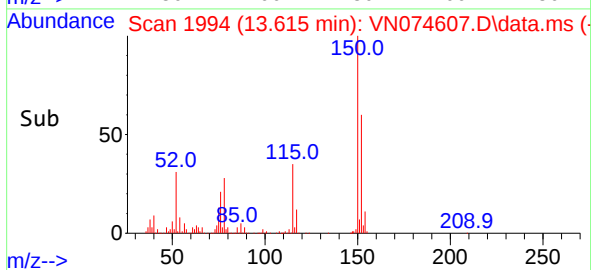
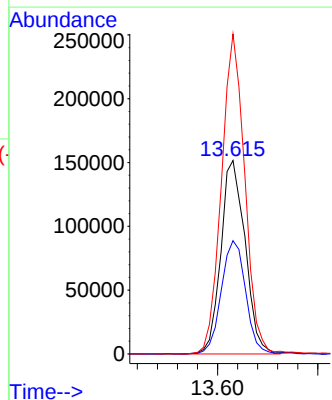
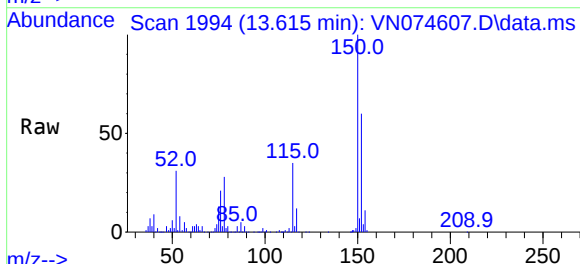
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

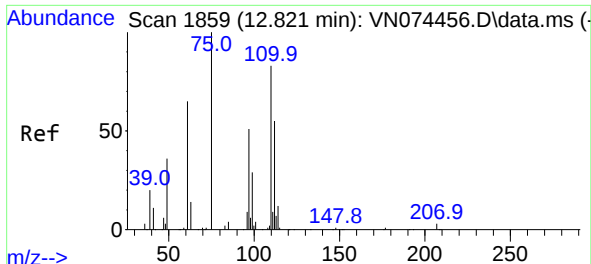
Tgt Ion:106 Resp: 2263
Ion Ratio Lower Upper
106 100
91 139.2 158.9 238.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion:152 Resp: 254289
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 159.8 0.0 356.2

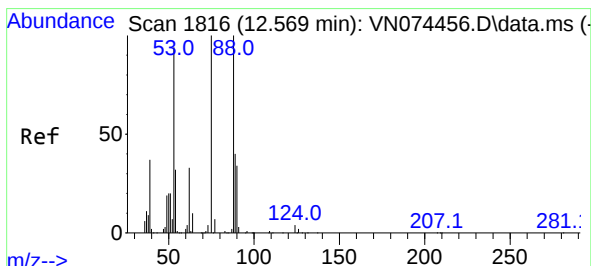
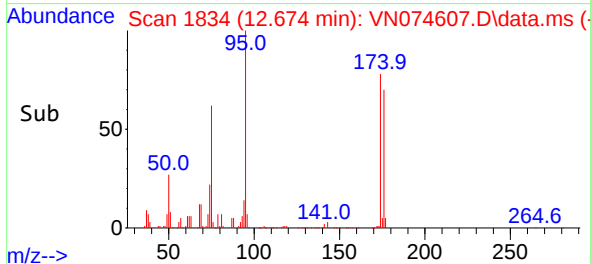
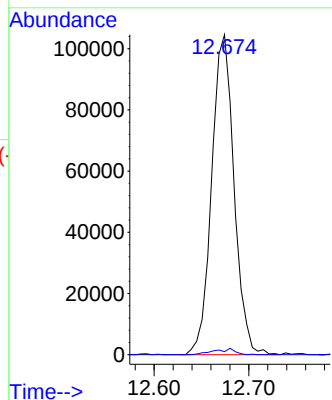
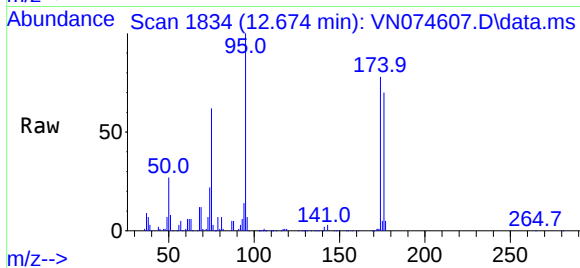




#76
1,2,3-Trichloropropane
Concen: 21.902 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

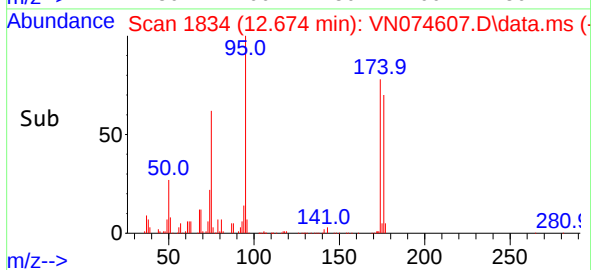
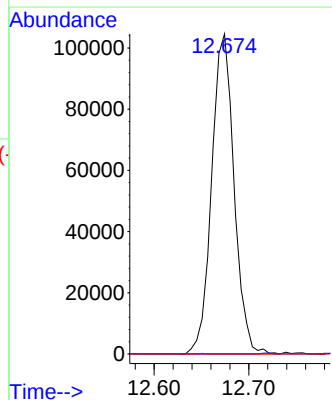
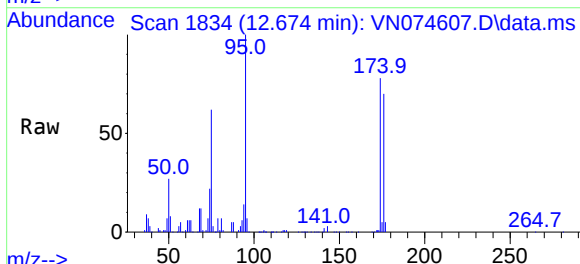
Instrument : MSVOA_N
ClientSampleId : TOLL-MW-08

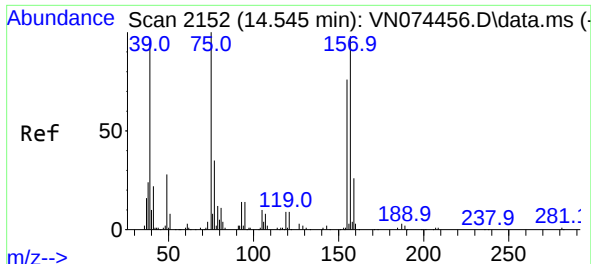
Tgt Ion: 75 Resp: 171433
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.272 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion: 75 Resp: 171433
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.207 ug/l

RT: 14.545 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VN074607.D

Acq: 21 Sep 2022 12:35

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-08

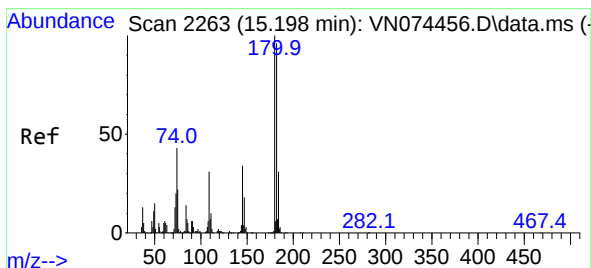
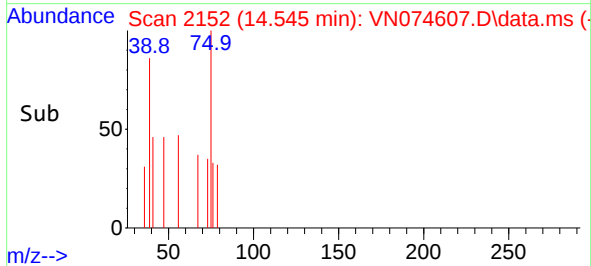
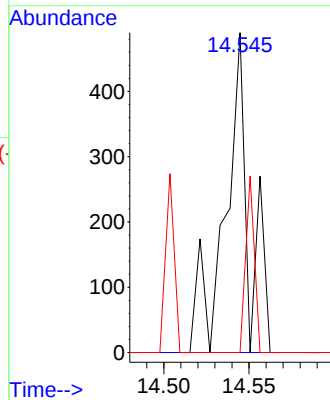
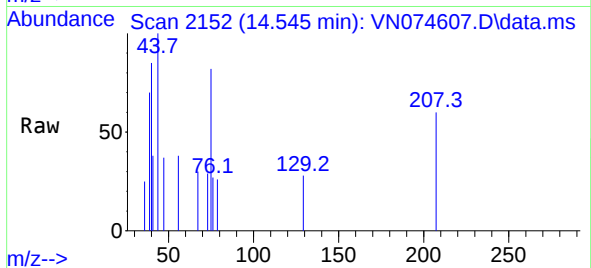
Tgt Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.5#

157 20.0 59.0 176.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.387 ug/l

RT: 15.198 min Scan# 2263

Delta R.T. -0.000 min

Lab File: VN074607.D

Acq: 21 Sep 2022 12:35

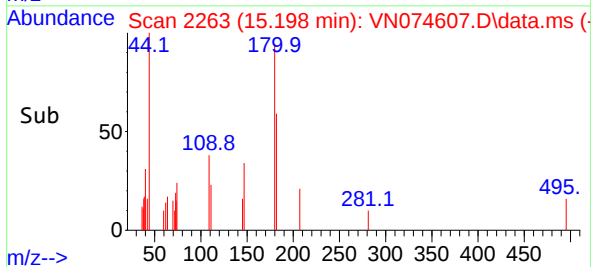
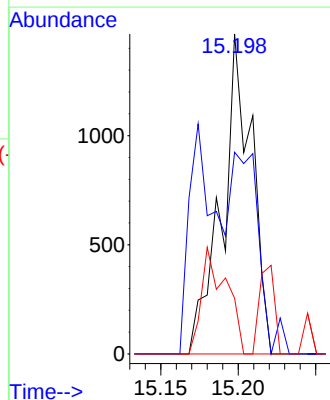
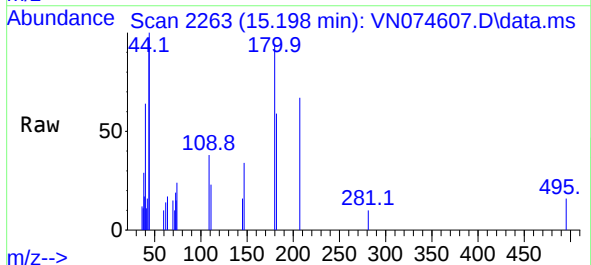
Tgt Ion:180 Resp: 1956

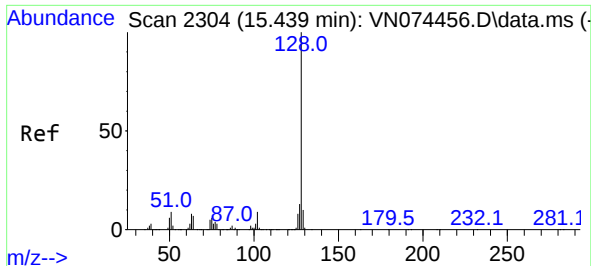
Ion Ratio Lower Upper

180 100

182 58.5 47.5 142.5

145 0.0 14.5 43.5#

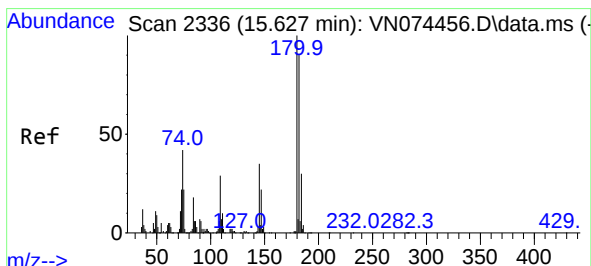
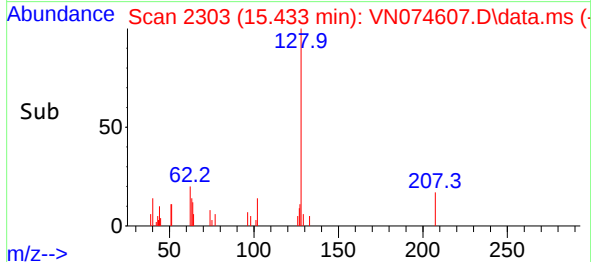
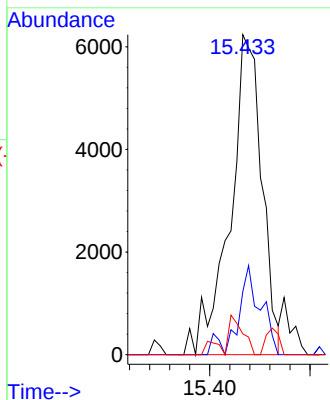
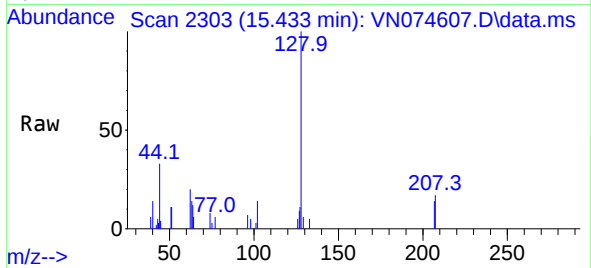




#95
Naphthalene
Concen: 2.201 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-08

Tgt Ion:128 Resp: 13759
Ion Ratio Lower Upper
128 100
127 18.1 10.3 15.5#
129 7.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.074 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074607.D
Acq: 21 Sep 2022 12:35

Tgt Ion:180 Resp: 3965
Ion Ratio Lower Upper
180 100
182 66.8 47.8 143.3
145 24.5 15.5 46.5

