

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074609.D
 Acq On : 21 Sep 2022 13:24
 Operator : JC\MD
 Sample : N4645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-10

Quant Time: Sep 22 06:57:30 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)

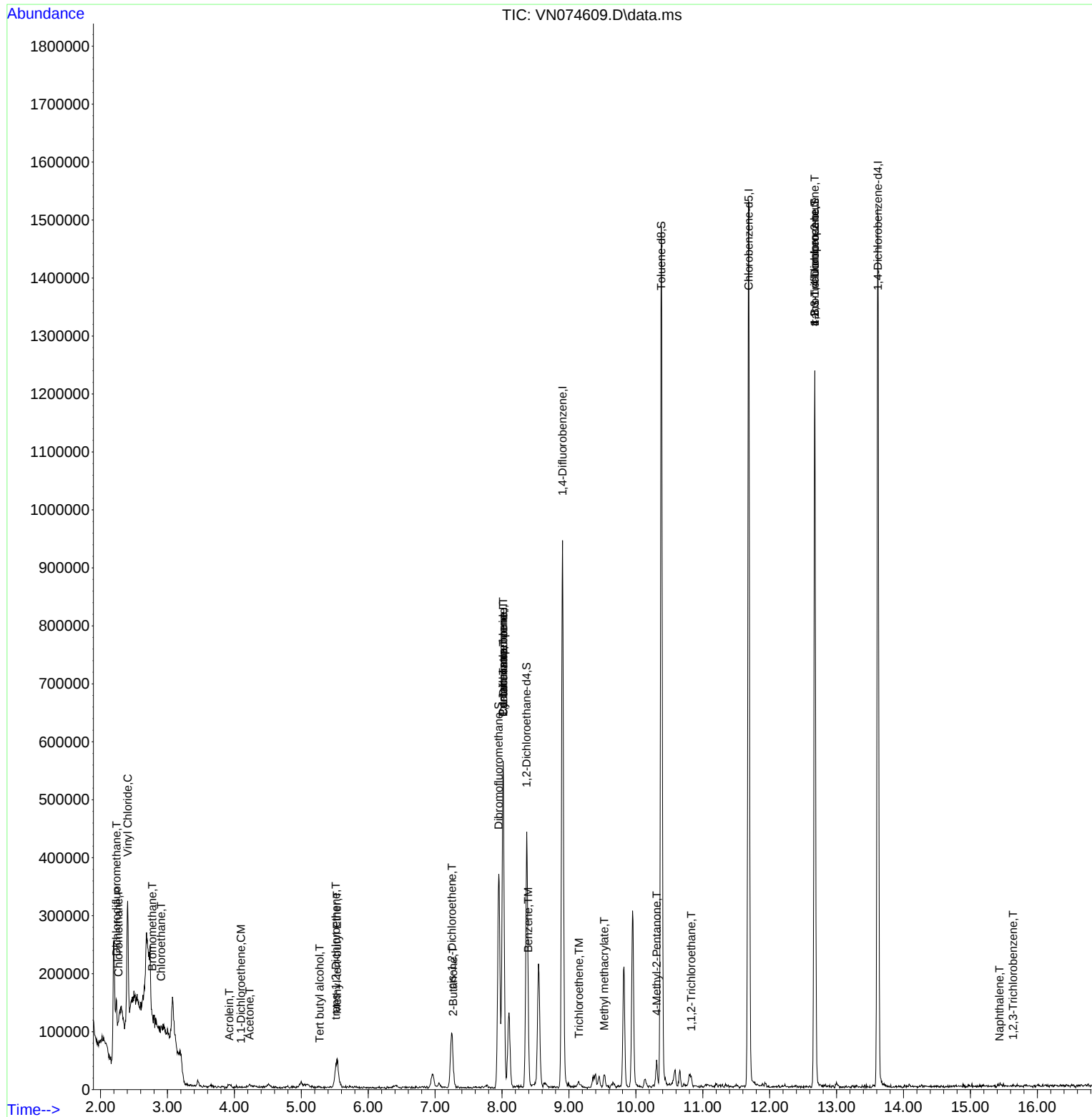
Internal Standards						
1) Pentafluorobenzene	8.016	168	383796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	754195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	768607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	355807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	320587	49.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.460%
35) Dibromofluoromethane	7.951	113	255709	51.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.080%
50) Toluene-d8	10.381	98	951629	49.115	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.240%
62) 4-Bromofluorobenzene	12.674	95	355932	53.636	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.240	85	5543	1.327	ug/l	91
3) Chloromethane	2.269	50	1889	0.526	ug/l	94
4) Vinyl Chloride	2.405	62	108156	14.385	ug/l #	85
5) Bromomethane	2.775	94	861	0.217	ug/l #	30
6) Chloroethane	2.905	64	7588	1.478	ug/l #	42
11) Tert butyl alcohol	5.275	59	519	0.245	ug/l #	72
12) 1,1-Dichloroethene	4.099	96	227	0.729	ug/l #	1
13) Acrolein	3.922	56	263	0.339	ug/l #	1
16) Acetone	4.228	43	4434	1.064	ug/l #	38
19) Methyl tert-butyl Ether	5.534	73	51815	2.432	ug/l #	73
21) trans-1,2-Dichloroethene	5.516	96	634	0.542	ug/l #	39
25) 2-Butanone	7.269	43	2617	0.378	ug/l #	45
27) cis-1,2-Dichloroethene	7.251	96	49953	7.029	ug/l	97
31) Cyclohexane	8.016	56	13175	1.140	ug/l #	59
36) 1,1-Dichloropropene	8.016	75	36985	4.171	ug/l #	48
38) Carbon Tetrachloride	8.016	117	38814	4.741	ug/l #	18
40) Benzene	8.392	78	5818	0.212	ug/l	93
44) Trichloroethene	9.151	130	1295	0.218	ug/l	80
48) Methyl methacrylate	9.528	41	7376	0.775	ug/l #	23
51) 4-Methyl-2-Pentanone	10.310	43	5798	0.414	ug/l #	68
55) 1,1,2-Trichloroethane	10.828	97	3389	0.498	ug/l #	32
76) 1,2,3-Trichloropropane	12.674	75	225958	20.632	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	225958	44.530	ug/l #	10
95) Naphthalene	15.433	128	3481	1.700	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.639	180	730	1.434	ug/l #	12

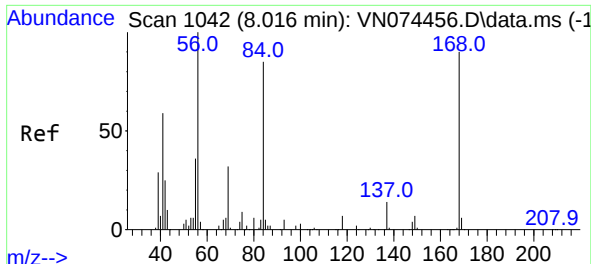
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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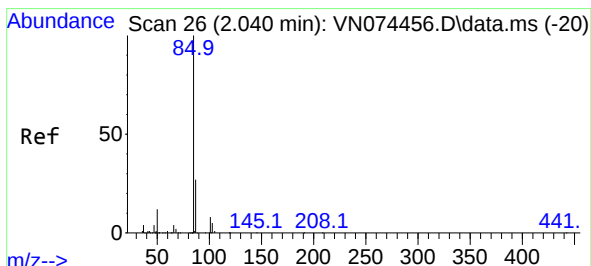
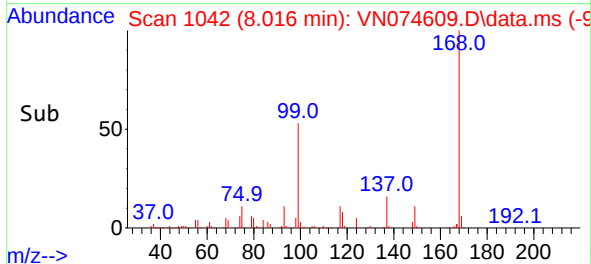
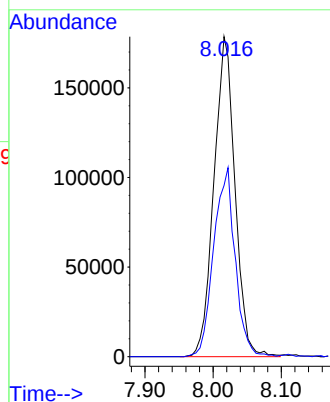
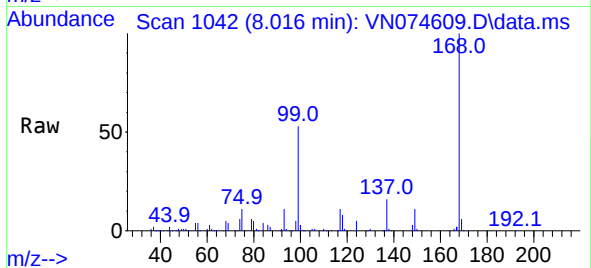




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

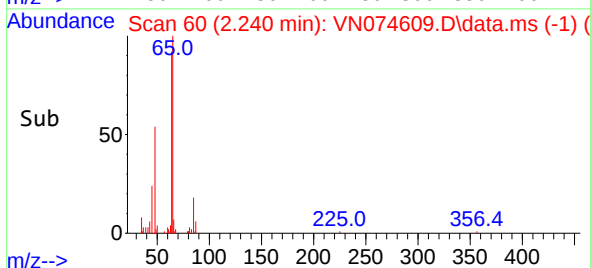
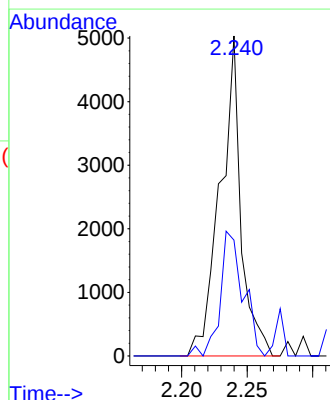
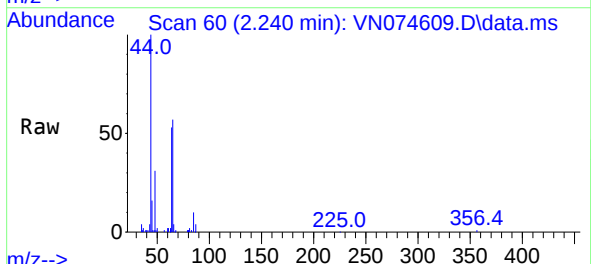
Instrument :
MSVOA_N
ClientSampleId :
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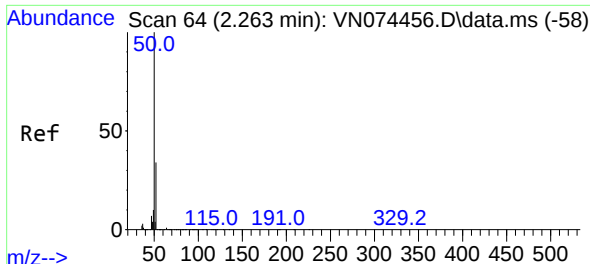
Tgt Ion:168 Resp: 383796
Ion Ratio Lower Upper
168 100
99 53.5 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 1.327 ug/l
RT: 2.240 min Scan# 60
Delta R.T. 0.200 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 85 Resp: 5543
Ion Ratio Lower Upper
85 100
87 36.2 15.7 47.1

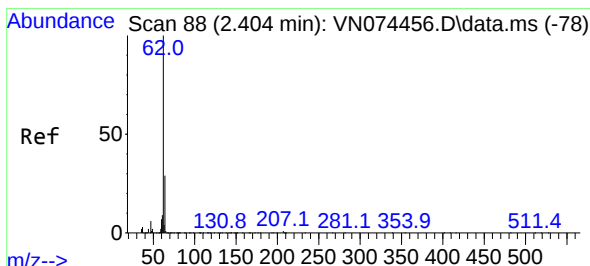
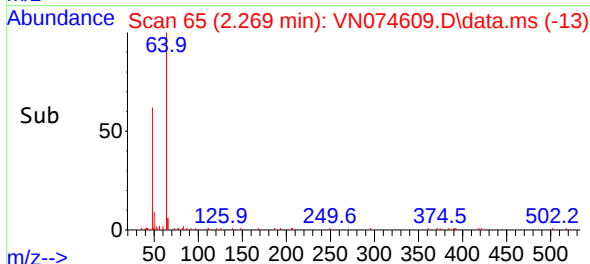
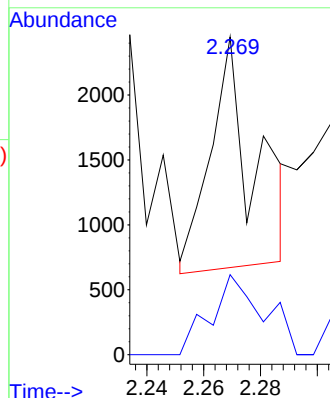
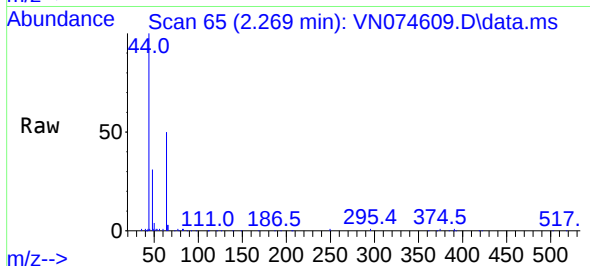




#3
Chloromethane
Concen: 0.526 ug/l
RT: 2.269 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

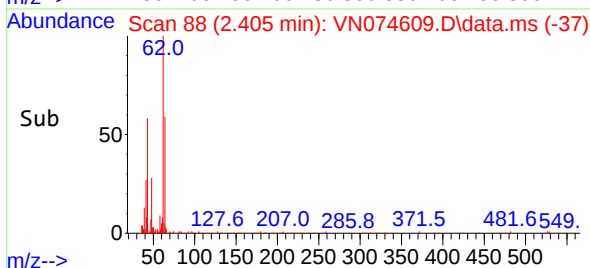
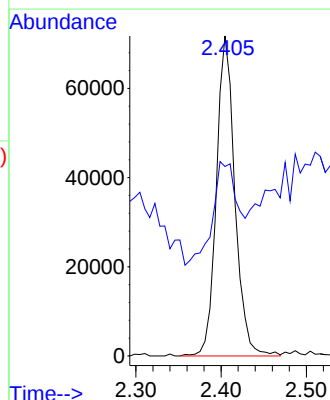
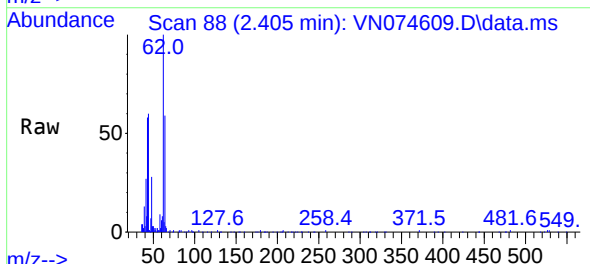
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

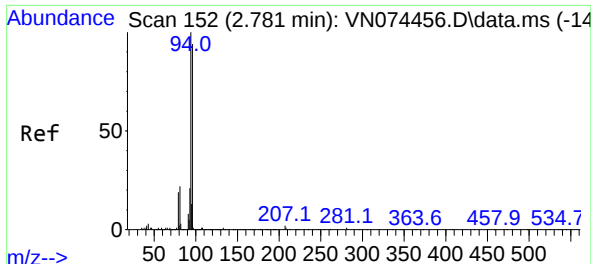
Tgt Ion: 50 Resp: 1889
Ion Ratio Lower Upper
50 100
52 35.6 25.7 38.5



#4
Vinyl Chloride
Concen: 14.385 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.001 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 62 Resp: 108156
Ion Ratio Lower Upper
62 100
64 22.9 25.0 37.4#

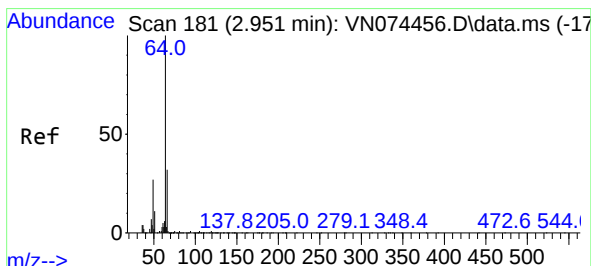
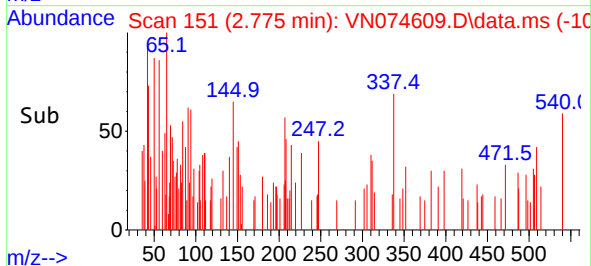
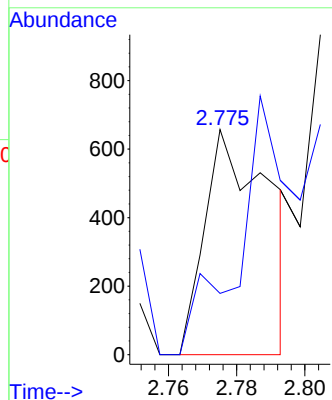
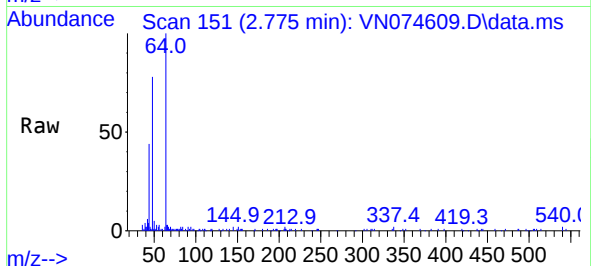




#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

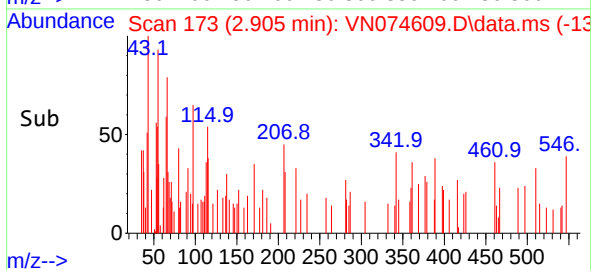
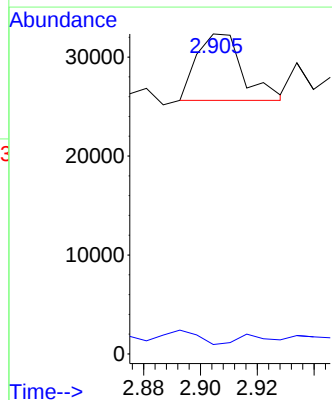
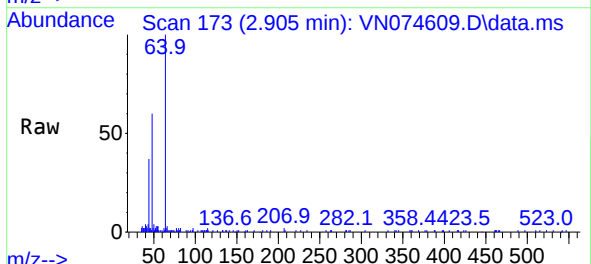
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

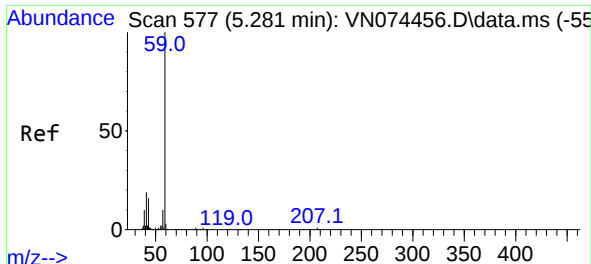
Tgt Ion: 94 Resp: 861
Ion Ratio Lower Upper
94 100
96 27.2 76.0 114.0#



#6
Chloroethane
Concen: 1.478 ug/l
RT: 2.905 min Scan# 173
Delta R.T. -0.046 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 64 Resp: 7588
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

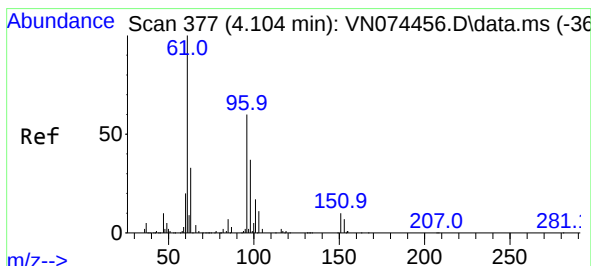
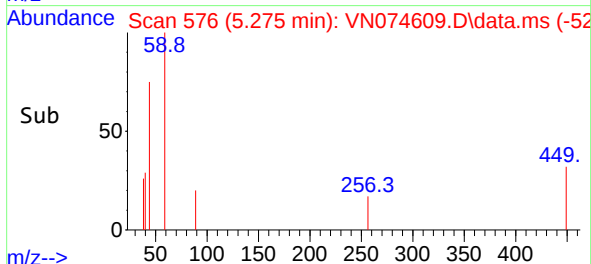
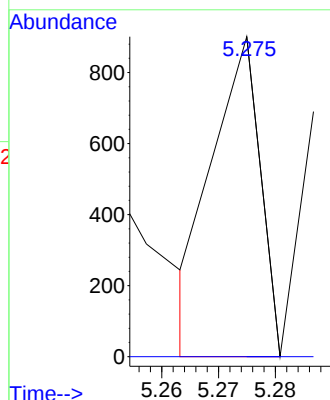
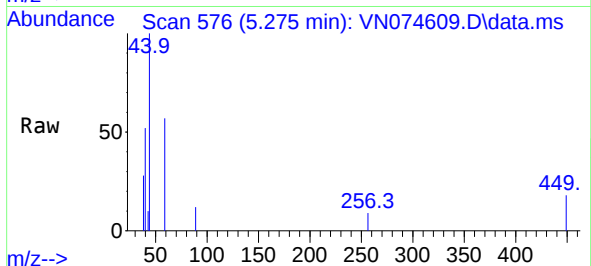




#11
Tert butyl alcohol
Concen: 0.245 ug/l
RT: 5.275 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

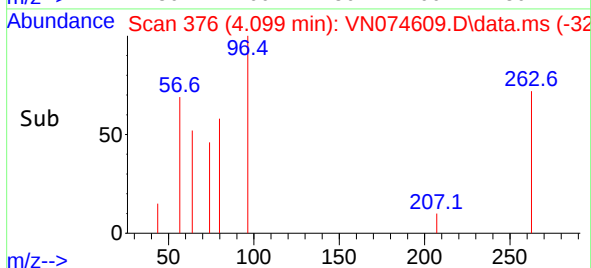
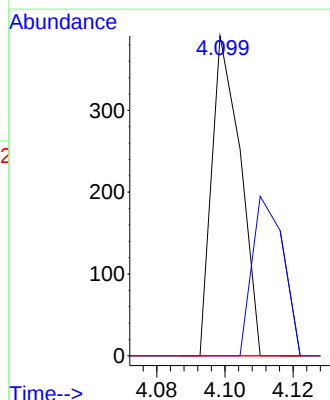
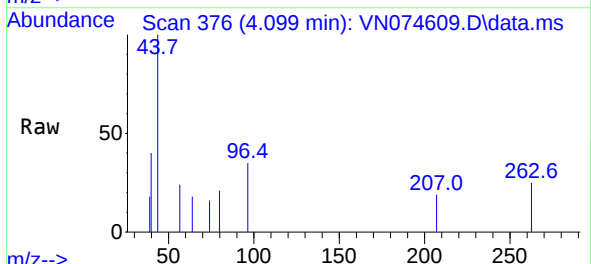
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

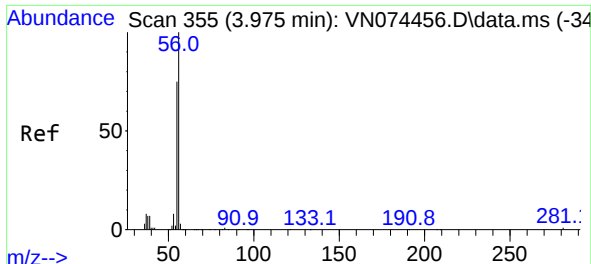
Tgt Ion: 59 Resp: 519
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.729 ug/l
RT: 4.099 min Scan# 376
Delta R.T. -0.005 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 96 Resp: 227
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

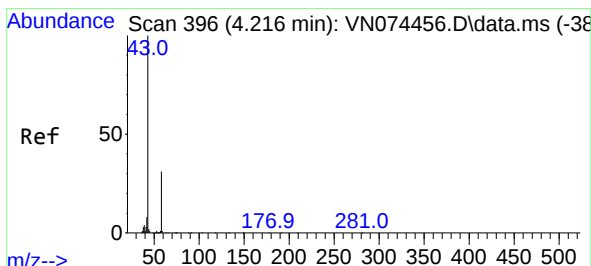
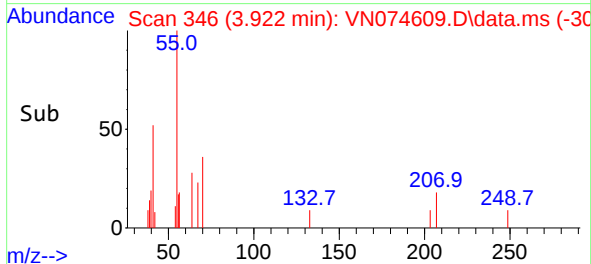
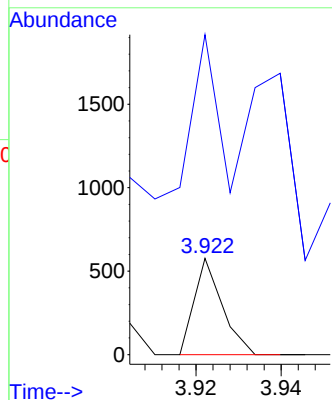
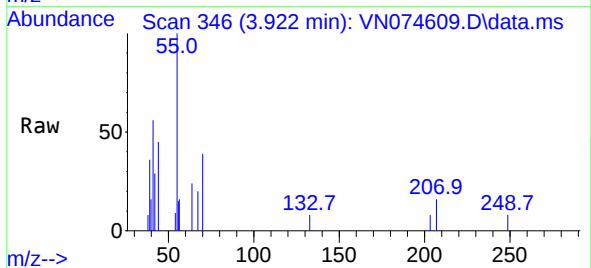




#13
Acrolein
Concen: 0.339 ug/l
RT: 3.922 min Scan# 34
Delta R.T. -0.053 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

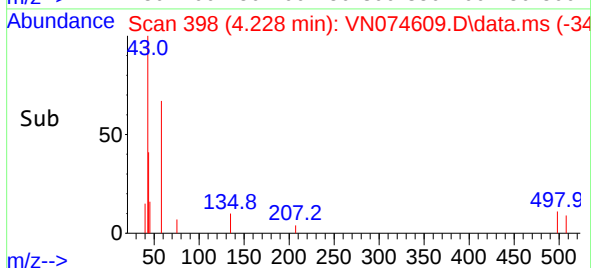
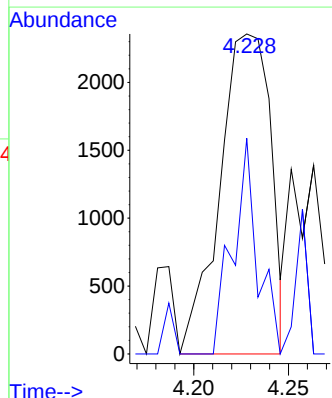
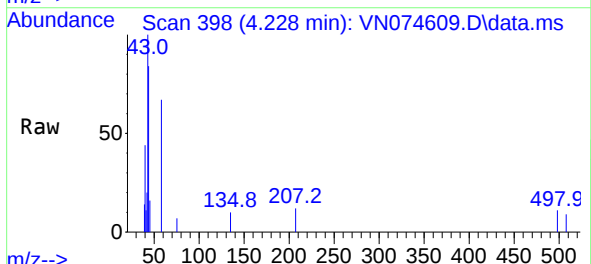
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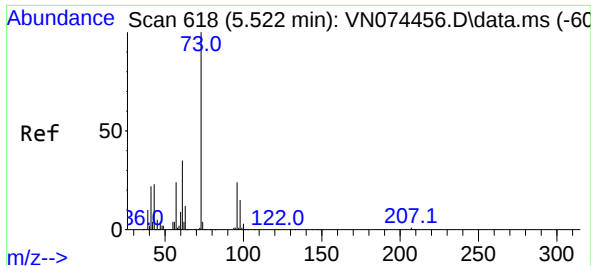
Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 914.8 54.8 82.2#



#16
Acetone
Concen: 1.064 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 43 Resp: 4434
Ion Ratio Lower Upper
43 100
58 67.4 26.0 39.0#





#19

Methyl tert-butyl Ether

Concen: 2.432 ug/l

RT: 5.534 min Scan# 618

Delta R.T. 0.012 min

Lab File: VN074609.D

Acq: 21 Sep 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

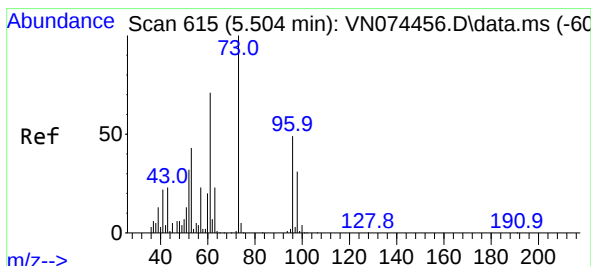
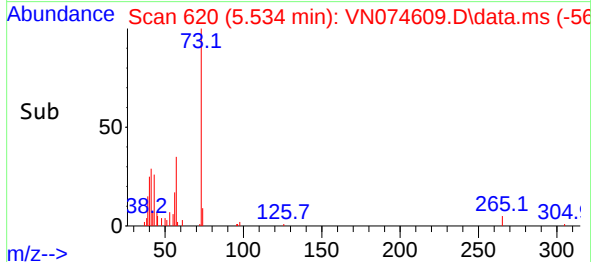
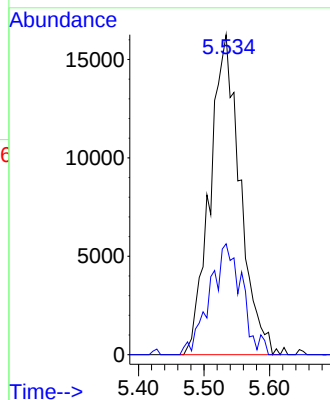
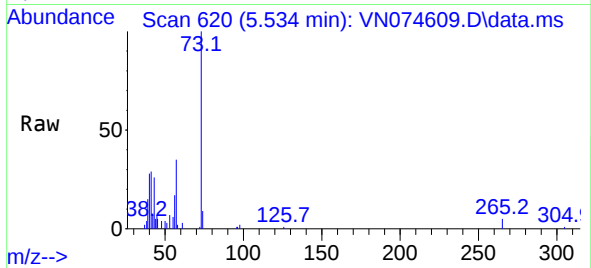
TOLL-MW-10

Tgt Ion: 73 Resp: 51815

Ion Ratio Lower Upper

73 100

57 34.6 17.6 26.4#



#21

trans-1,2-Dichloroethene

Concen: 0.542 ug/l

RT: 5.516 min Scan# 617

Delta R.T. 0.012 min

Lab File: VN074609.D

Acq: 21 Sep 2022 13:24

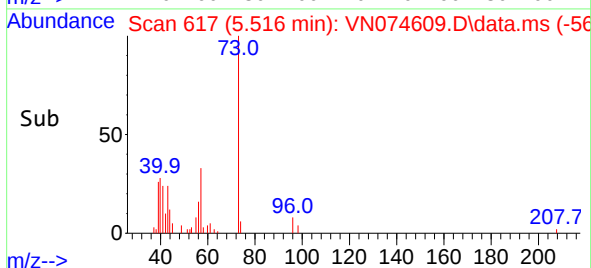
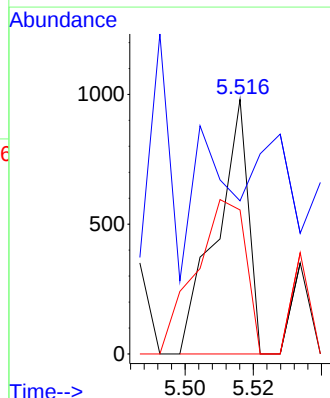
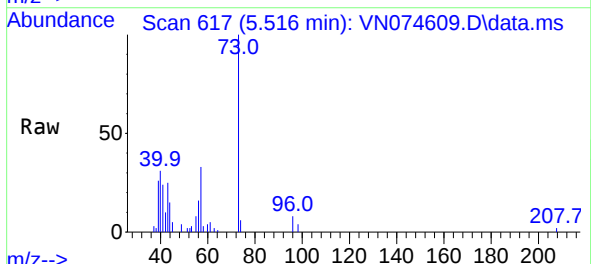
Tgt Ion: 96 Resp: 634

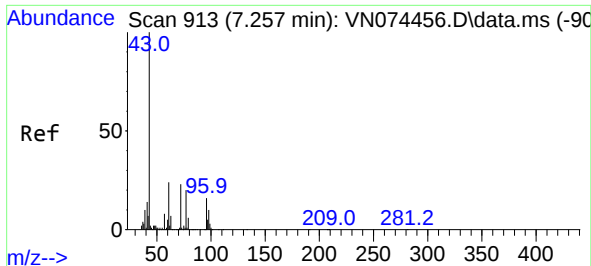
Ion Ratio Lower Upper

96 100

61 31.5 105.8 158.8#

98 56.6 50.3 75.5





#25

2-Butanone

Concen: 0.378 ug/l

RT: 7.269 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074609.D

Acq: 21 Sep 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

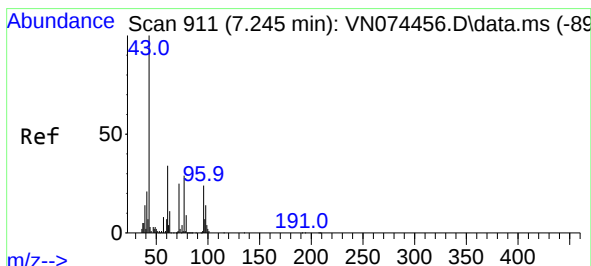
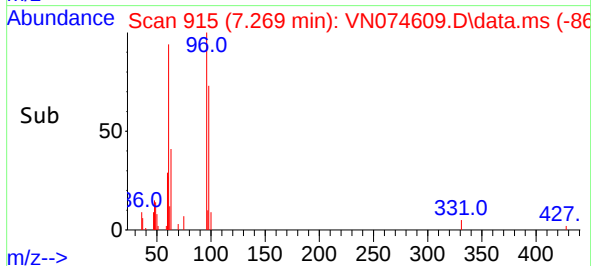
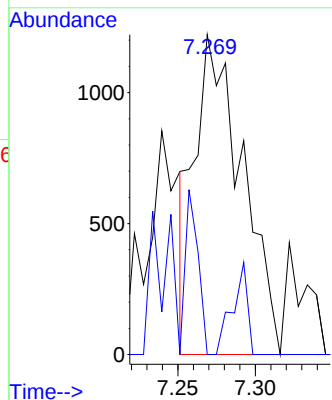
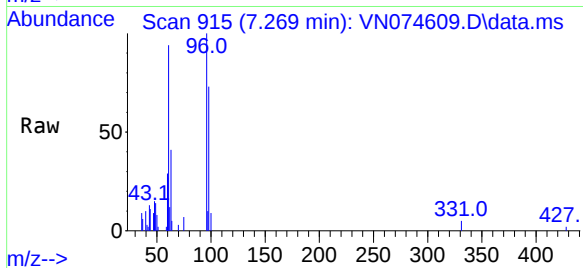
TOLL-MW-10

Tgt Ion: 43 Resp: 2617

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 7.029 ug/l

RT: 7.251 min Scan# 912

Delta R.T. 0.006 min

Lab File: VN074609.D

Acq: 21 Sep 2022 13:24

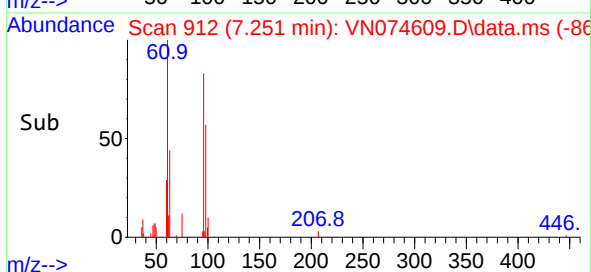
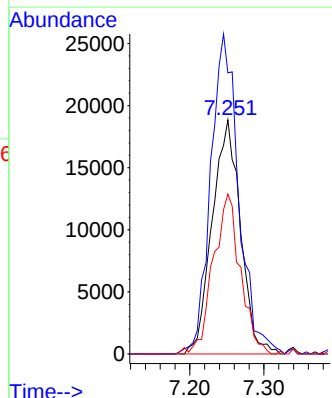
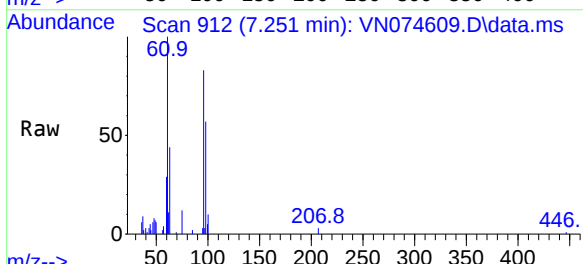
Tgt Ion: 96 Resp: 49953

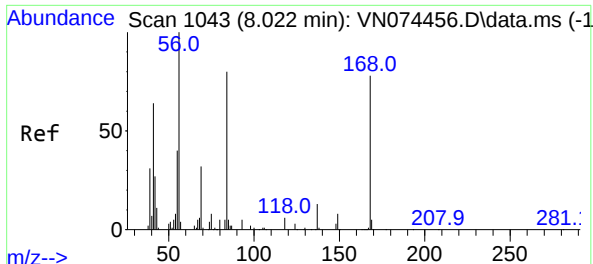
Ion Ratio Lower Upper

96 100

61 135.3 0.0 280.6

98 65.6 0.0 128.4

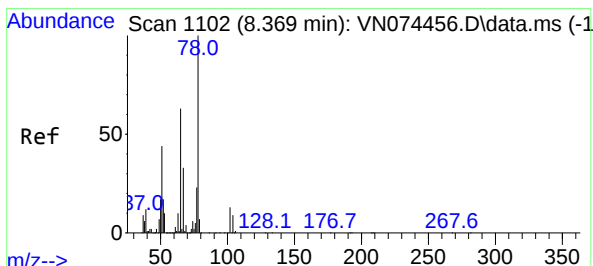
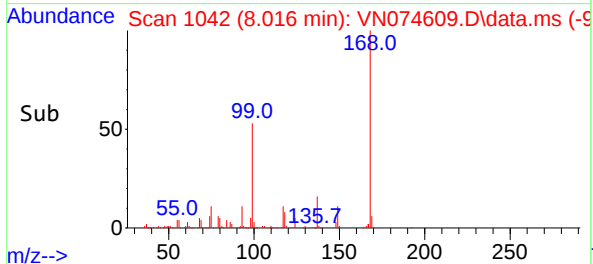
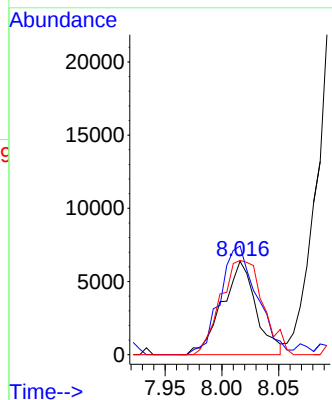
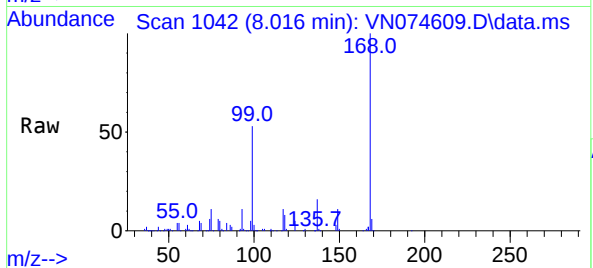




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

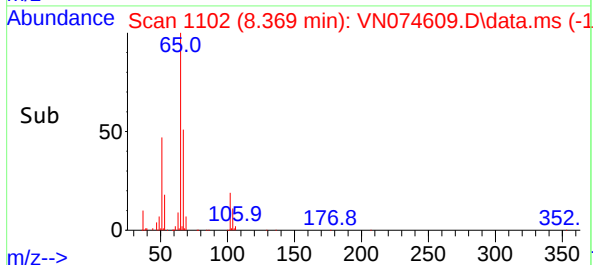
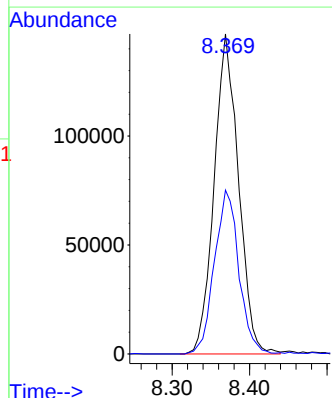
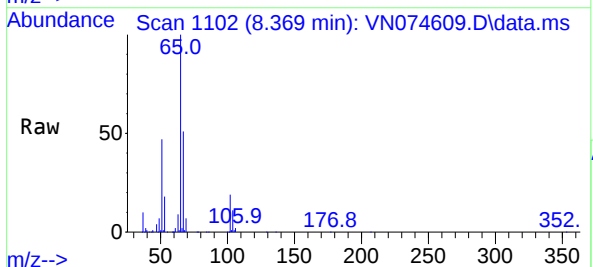
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

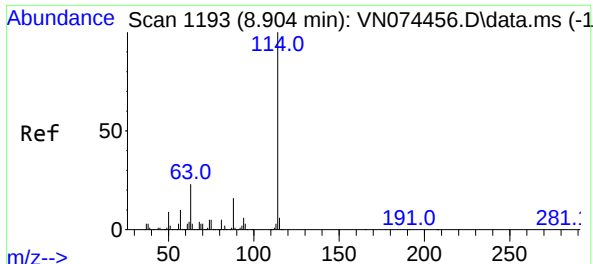
Tgt Ion: 56 Resp: 13175
Ion Ratio Lower Upper
56 100
69 116.2 27.8 41.8#
84 100.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 49.230 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 65 Resp: 320587
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

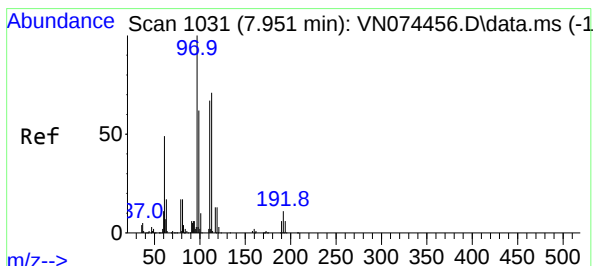
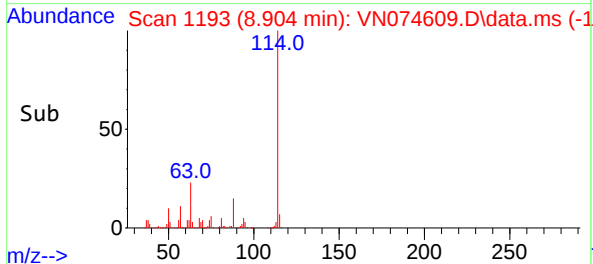
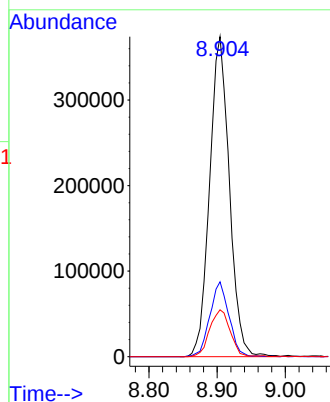
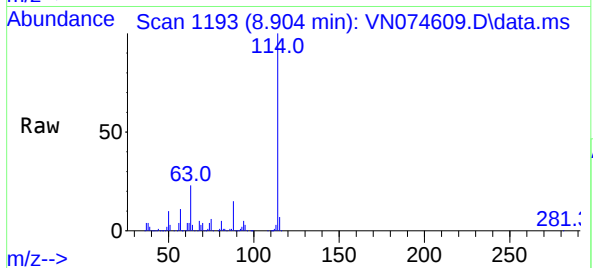




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

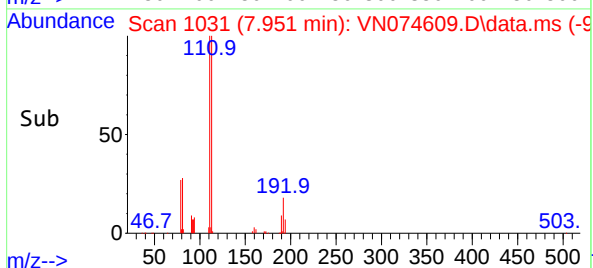
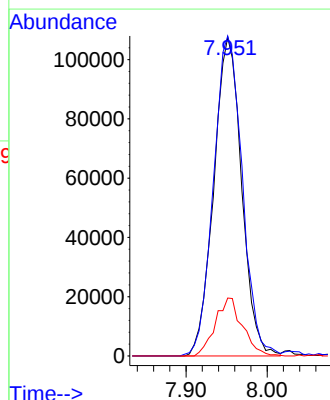
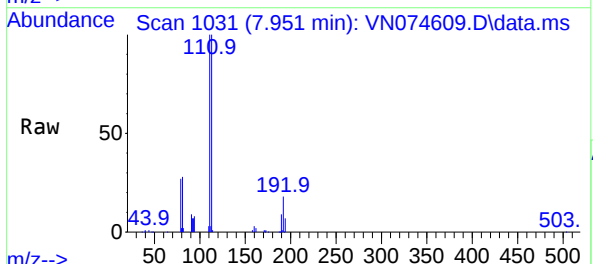
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

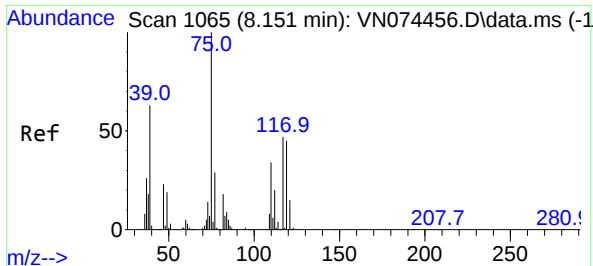
Tgt Ion:	114	Resp:	754195
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	40.0
88	14.6	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.040 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion:	113	Resp:	255709
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	17.8	17.0	25.6

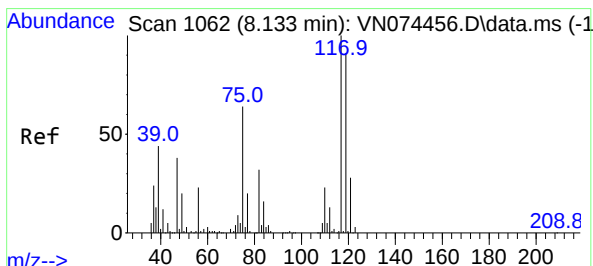
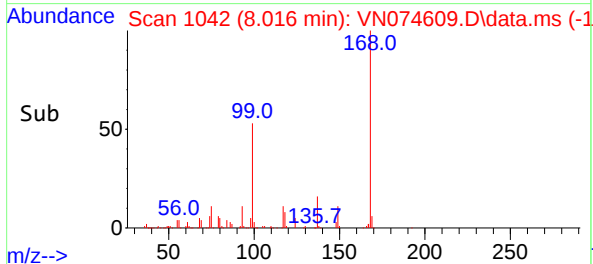
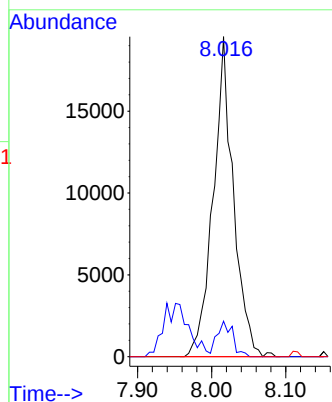
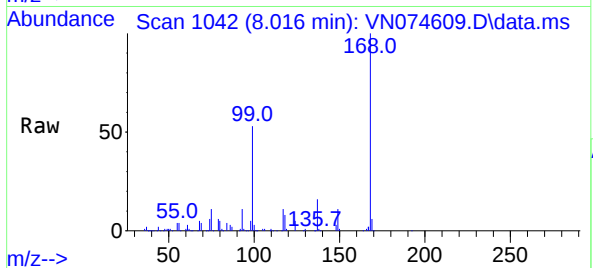




#36
1,1-Dichloropropene
Concen: 4.171 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

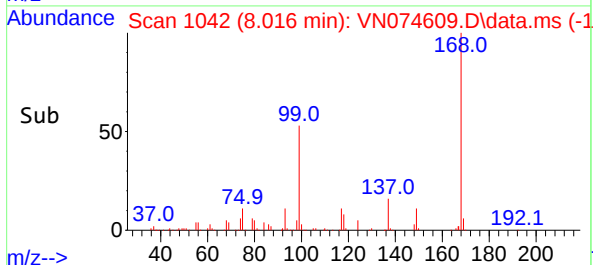
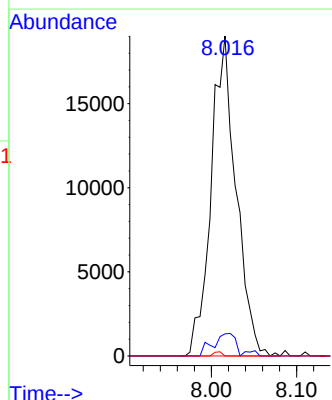
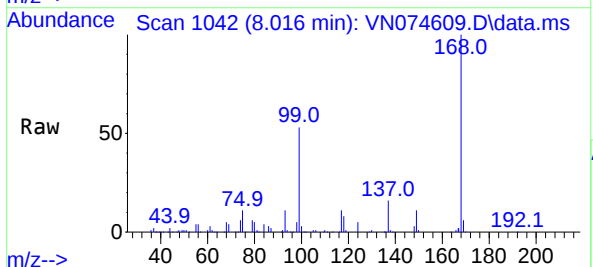
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

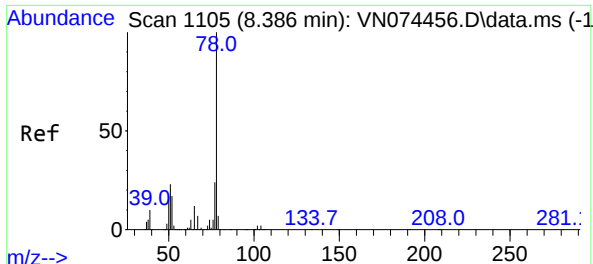
Tgt Ion: 75 Resp: 36985
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.741 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 117 Resp: 38814
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#

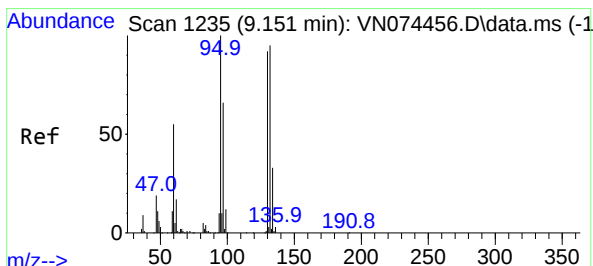
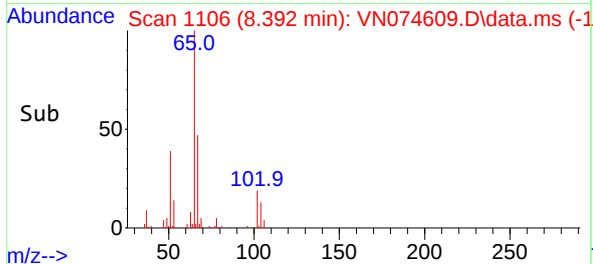
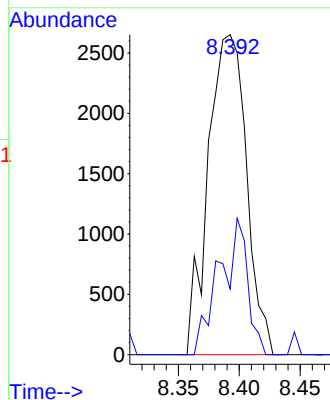
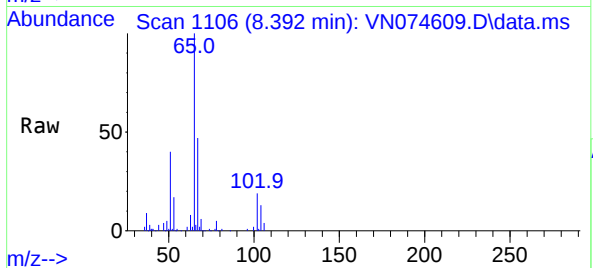




#40
Benzene
Concen: 0.212 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

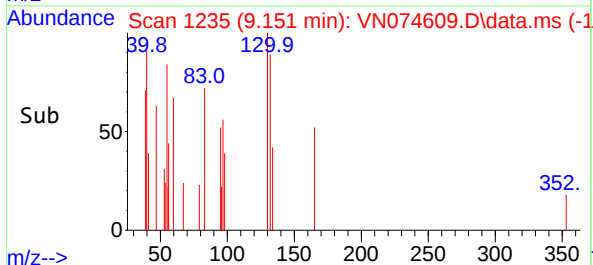
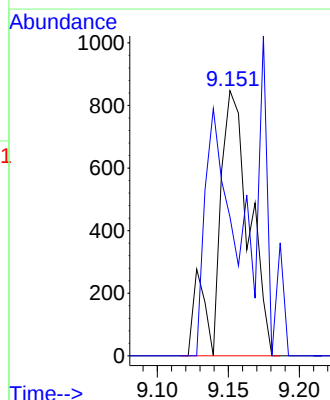
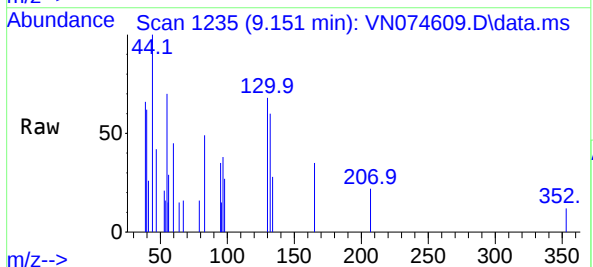
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

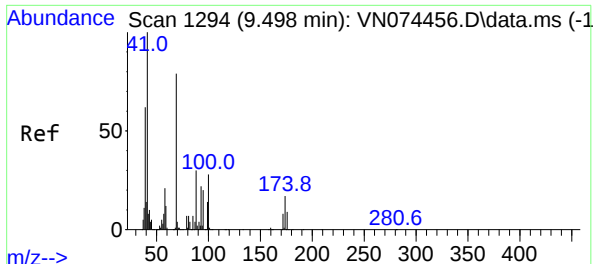
Tgt Ion: 78 Resp: 5818
Ion Ratio Lower Upper
78 100
77 20.6 19.4 29.0



#44
Trichloroethene
Concen: 0.218 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion:130 Resp: 1295
Ion Ratio Lower Upper
130 100
95 74.6 0.0 186.8





#48

Methyl methacrylate

Concen: 0.775 ug/l

RT: 9.528 min Scan# 1299

Delta R.T. 0.030 min

Lab File: VN074609.D

Acq: 21 Sep 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-10

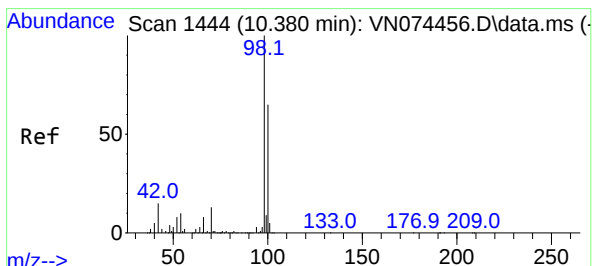
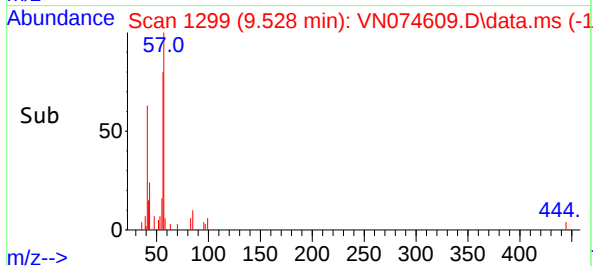
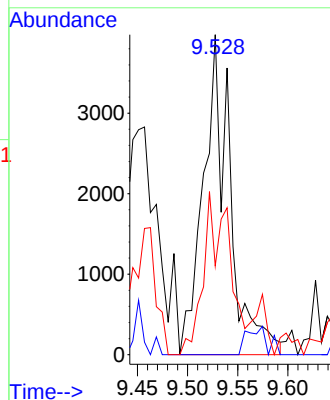
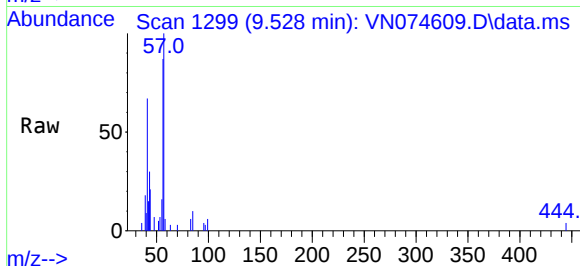
Tgt Ion: 41 Resp: 7376

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 23.7 45.6 68.4#



#50

Toluene-d8

Concen: 49.115 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074609.D

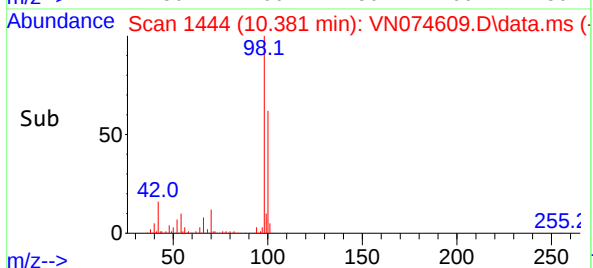
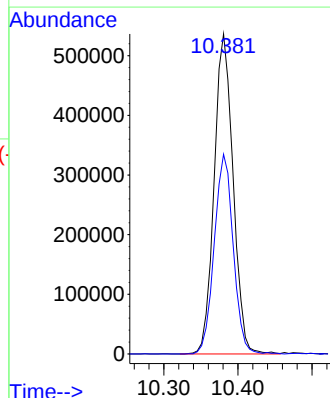
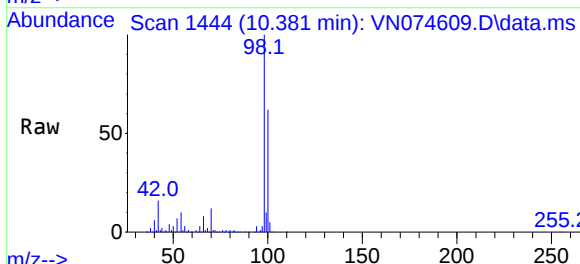
Acq: 21 Sep 2022 13:24

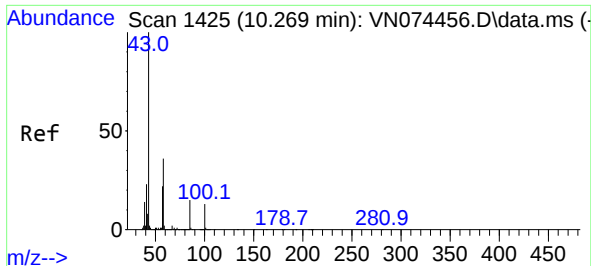
Tgt Ion: 98 Resp: 951629

Ion Ratio Lower Upper

98 100

100 62.4 52.6 78.8

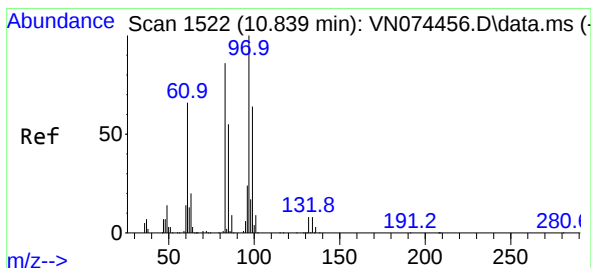
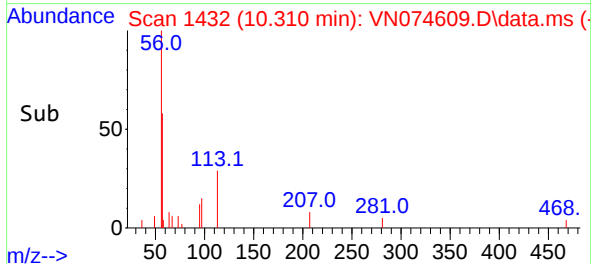
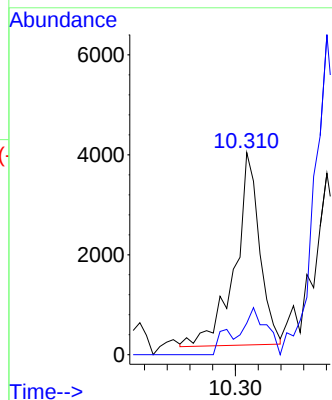
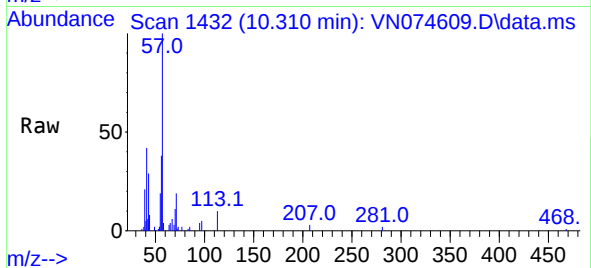




#51
4-Methyl-2-Pentanone
Concen: 0.414 ug/l
RT: 10.310 min Scan# 1425
Delta R.T. 0.041 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

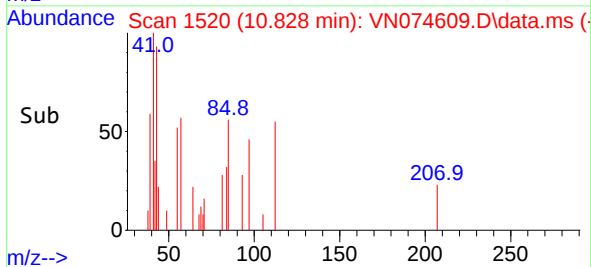
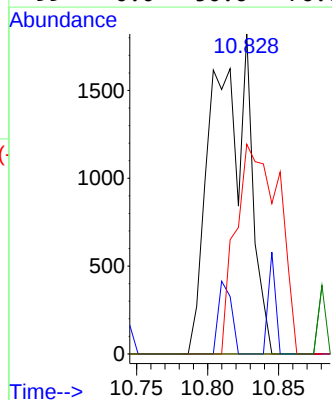
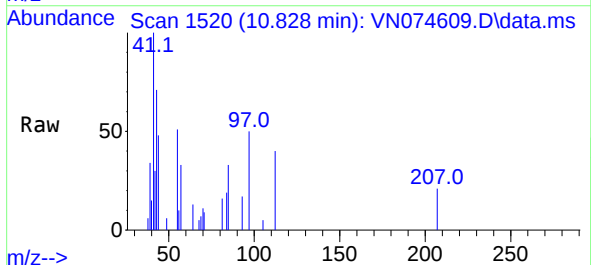
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

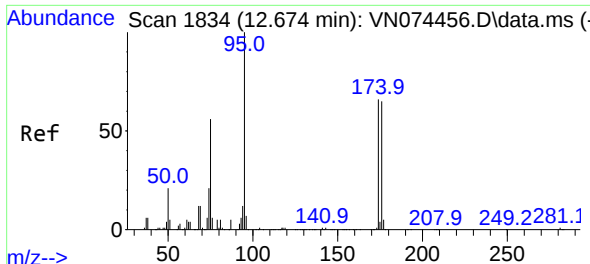
Tgt Ion: 43 Resp: 5798
Ion Ratio Lower Upper
43 100
58 22.0 34.1 51.1#



#55
1,1,2-Trichloroethane
Concen: 0.498 ug/l
RT: 10.828 min Scan# 1520
Delta R.T. -0.011 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 97 Resp: 3389
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 65.5 43.9 65.9
99 0.0 50.6 76.0#

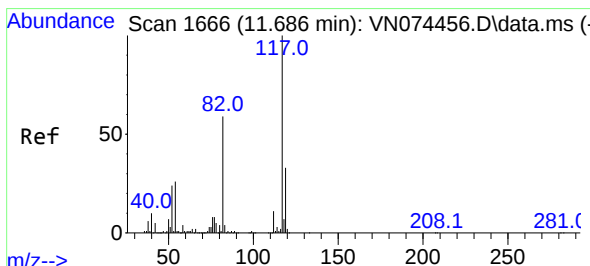
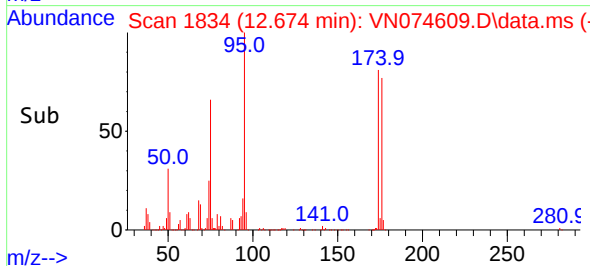
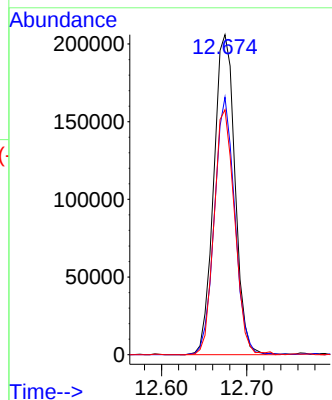
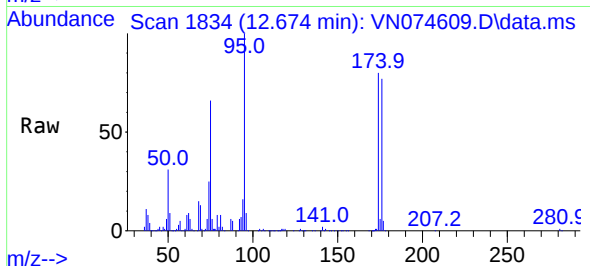




#62
4-Bromofluorobenzene
Concen: 53.636 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

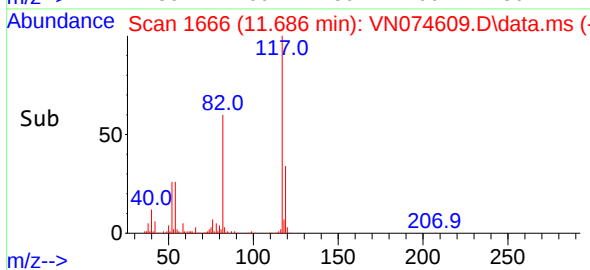
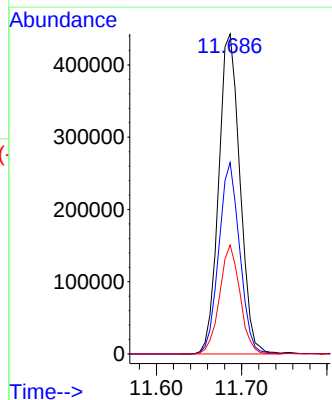
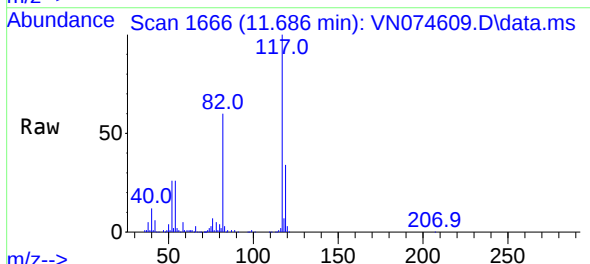
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

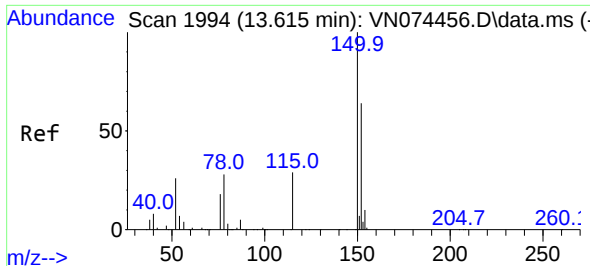
Tgt Ion: 95 Resp: 355932
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 74.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion: 117 Resp: 768607
Ion Ratio Lower Upper
117 100
82 59.8 44.2 66.2
119 34.1 25.4 38.0

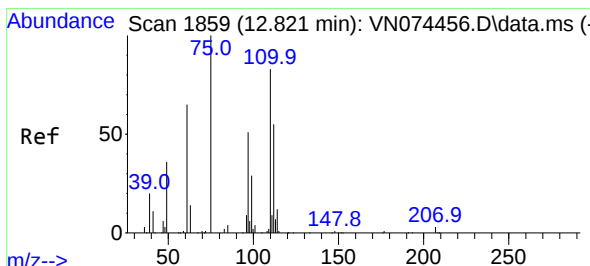
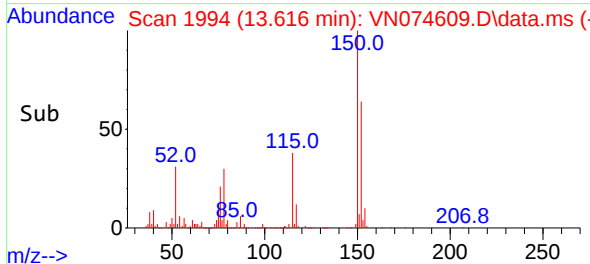
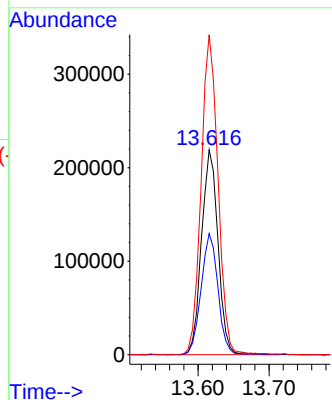
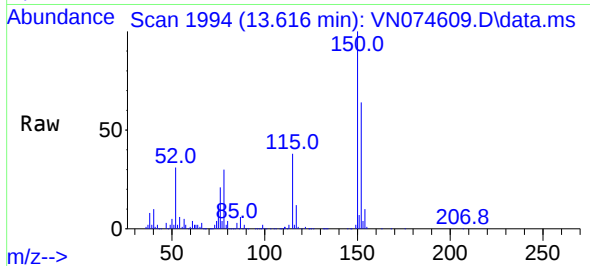




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074609.D
 Acq: 21 Sep 2022 13:24

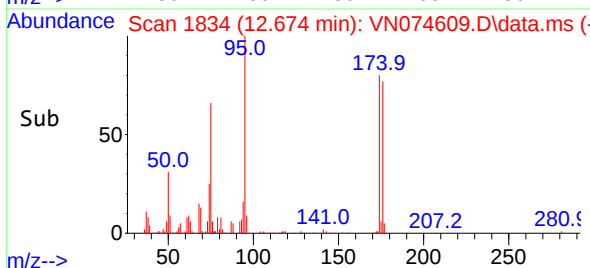
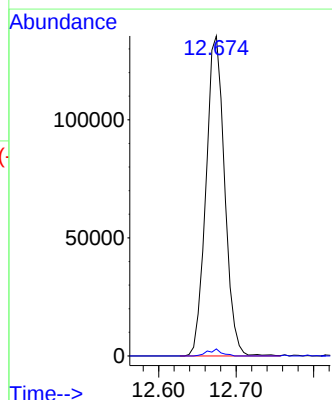
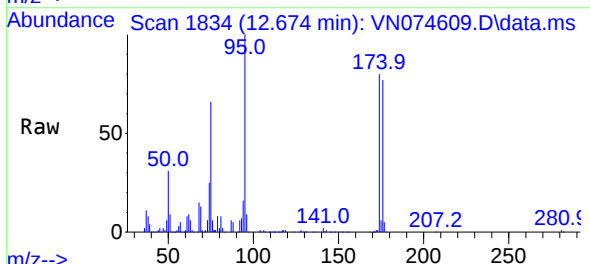
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-10

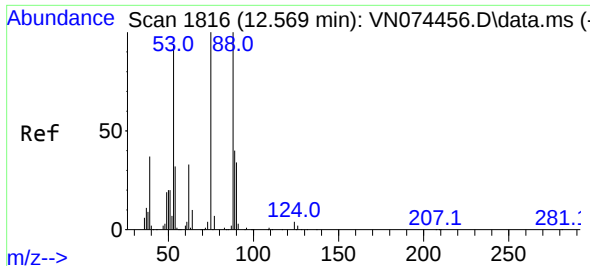
Tgt Ion:152 Resp: 355807
 Ion Ratio Lower Upper
 152 100
 115 60.0 28.9 86.7
 150 158.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.632 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074609.D
 Acq: 21 Sep 2022 13:24

Tgt Ion: 75 Resp: 225958
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

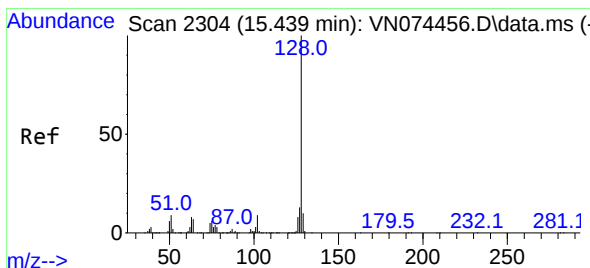
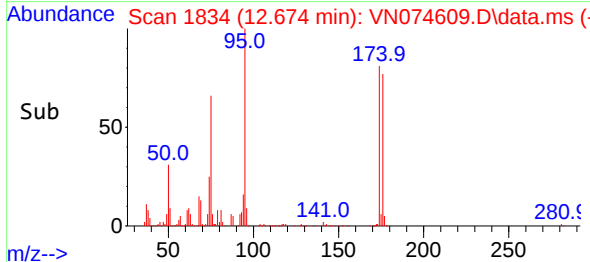
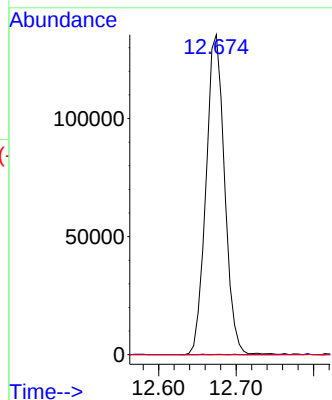
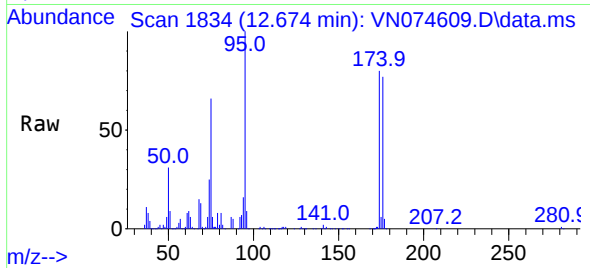




#81
trans-1,4-Dichloro-2-butene
Concen: 44.530 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

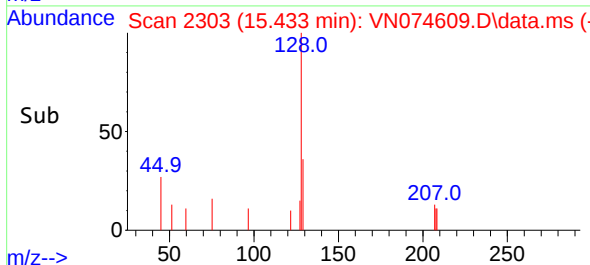
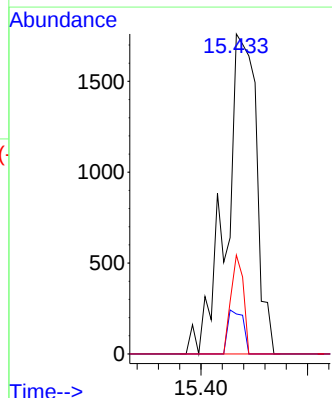
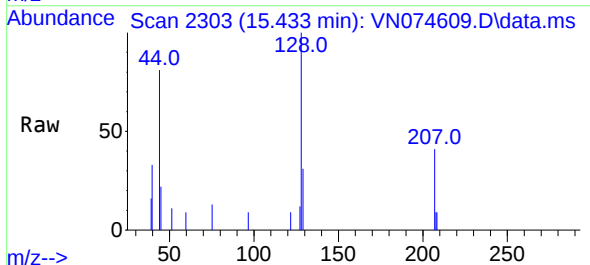
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-10

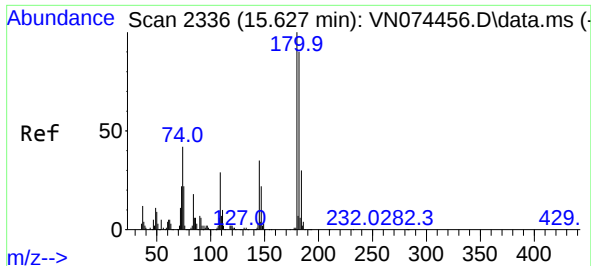
Tgt Ion: 75 Resp: 225958
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.700 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074609.D
Acq: 21 Sep 2022 13:24

Tgt Ion:128 Resp: 3481
Ion Ratio Lower Upper
128 100
127 6.8 10.3 15.5#
129 12.7 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.434 ug/l

RT: 15.639 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN074609.D

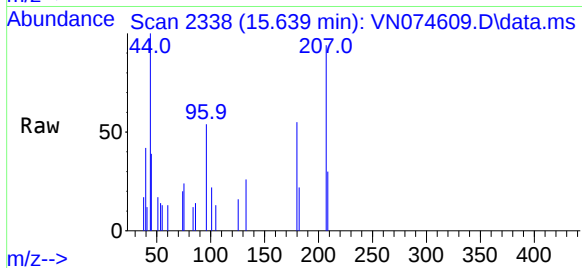
Acq: 21 Sep 2022 13:24

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-10



Tgt Ion:180 Resp: 730

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 0.0 15.5 46.5#

