

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075725.D
 Acq On : 12 Dec 2022 20:05
 Operator : JC\MD
 Sample : N5978-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-09

Quant Time: Dec 13 01:35:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

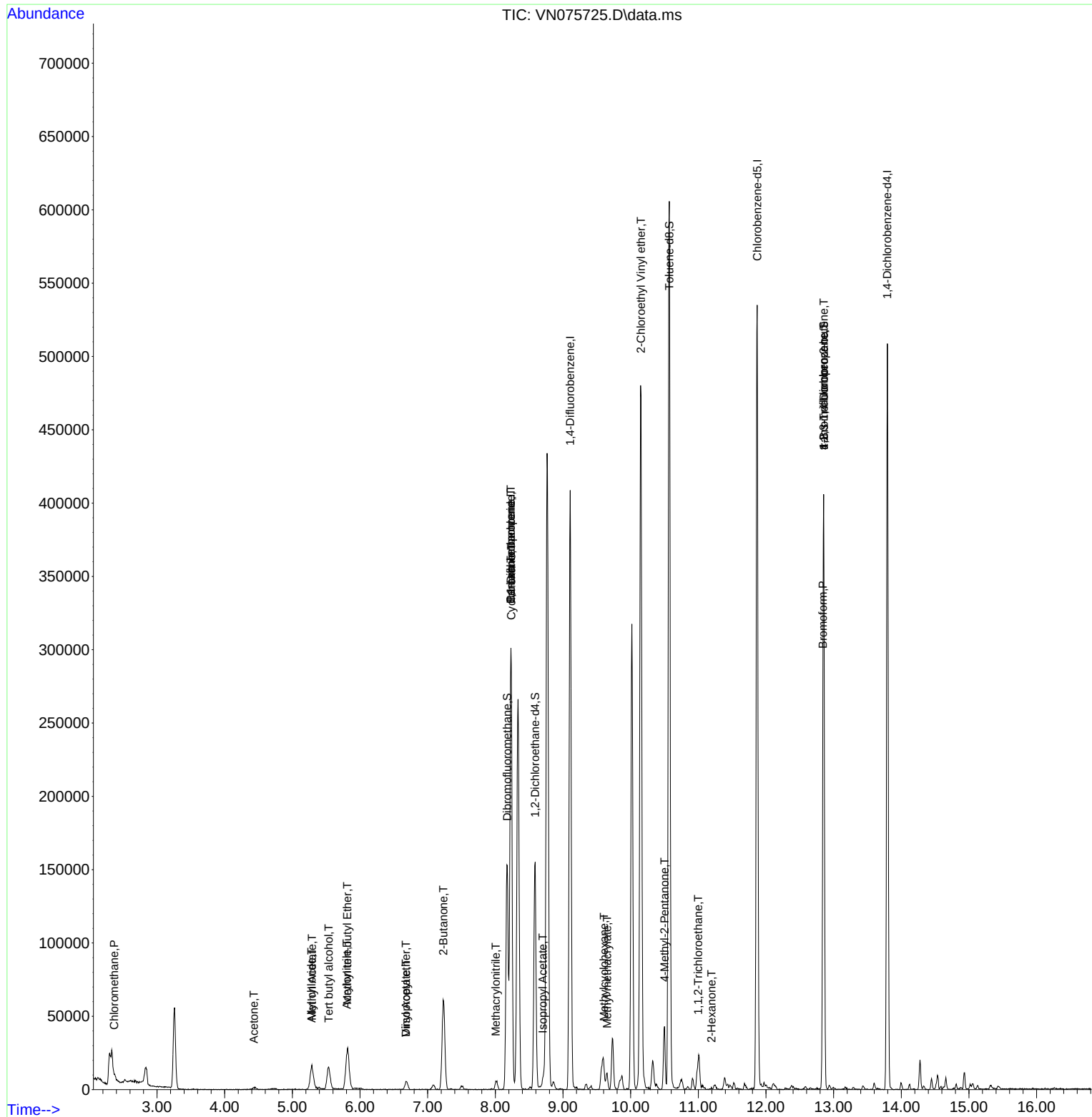
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	241050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	329278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125819	49.194	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.380%
35) Dibromofluoromethane	8.177	113	112896	48.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.860%
50) Toluene-d8	10.571	98	445638	51.428	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.853	95	138506	46.750	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	502	0.238	ug/l #	40
11) Tert butyl alcohol	5.536	59	28866	76.291	ug/l	99
14) Allyl chloride	5.283	41	6976	2.713	ug/l #	34
15) Acrylonitrile	5.806	53	257	0.263	ug/l #	31
16) Acetone	4.430	43	387	0.447	ug/l #	41
18) Methyl Acetate	5.289	43	13629	4.897	ug/l #	44
19) Methyl tert-butyl Ether	5.812	73	37105	5.342	ug/l #	60
22) Diisopropyl ether	6.677	45	6323	1.081	ug/l #	89
23) Vinyl Acetate	6.677	43	3567	0.799	ug/l #	65
25) 2-Butanone	7.230	43	37008	29.228	ug/l #	43
31) Cyclohexane	8.235	56	5646	1.491	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	17247	5.629	ug/l #	47
38) Carbon Tetrachloride	8.230	117	23184	6.557	ug/l #	16
39) Methylcyclohexane	9.606	83	2848	0.733	ug/l #	80
41) Methacrylonitrile	8.006	41	970	0.769	ug/l #	37
43) Isopropyl Acetate	8.700	43	3220	0.784	ug/l #	51
48) Methyl methacrylate	9.653	41	2302	1.217	ug/l #	28
51) 4-Methyl-2-Pentanone	10.500	43	4031	1.592	ug/l #	72
55) 1,1,2-Trichloroethane	11.000	97	6959	2.848	ug/l #	25
58) 2-Chloroethyl Vinyl ether	10.153	63	630	0.644	ug/l #	41
59) 2-Hexanone	11.194	43	439	0.239	ug/l #	20
71) Bromoform	12.841	173	979	0.524	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68288	23.546	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68288	75.279	ug/l #	13

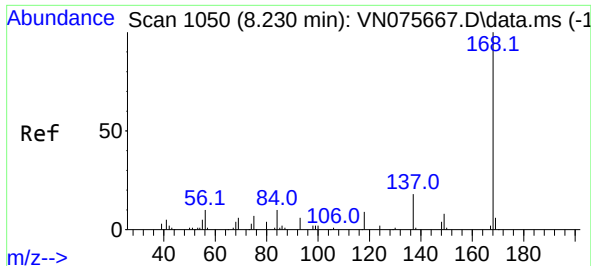
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
Data File : VN075725.D
Acq On : 12 Dec 2022 20:05
Operator : JC\MD
Sample : N5978-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

Quant Time: Dec 13 01:35:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

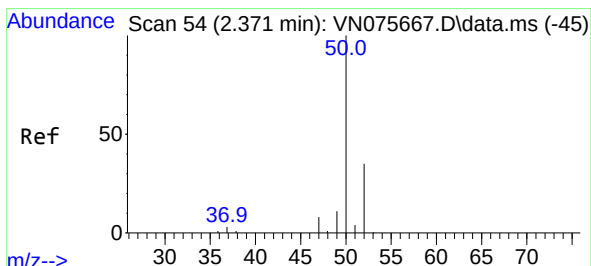
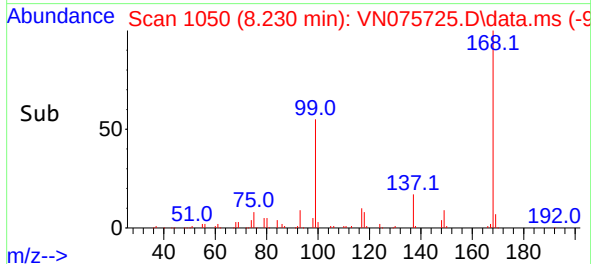
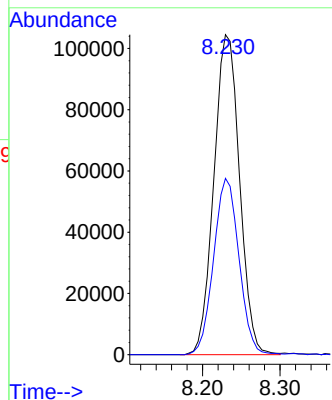
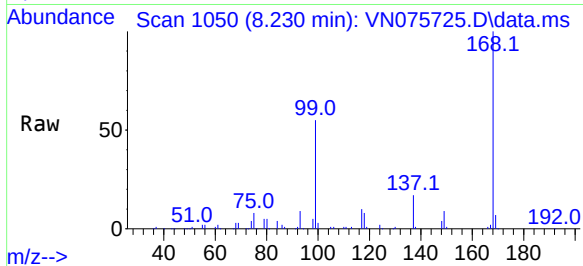




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

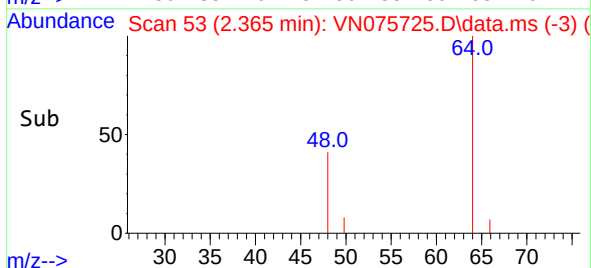
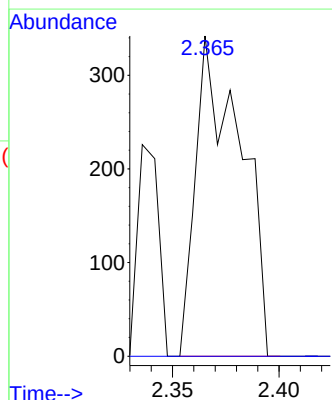
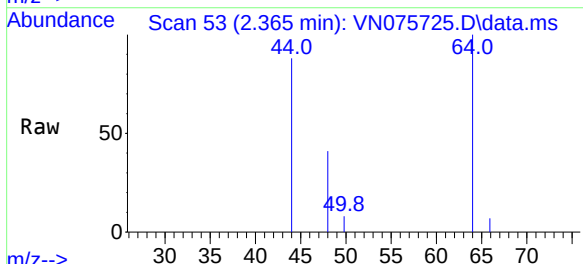
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

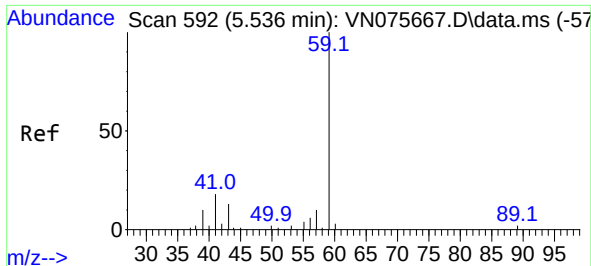
Tgt Ion:168 Resp: 241050
Ion Ratio Lower Upper
168 100
99 55.1 41.2 61.8



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.365 min Scan# 53
Delta R.T. -0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#





#11

Tert butyl alcohol

Concen: 76.291 ug/l

RT: 5.536 min Scan# 59

Delta R.T. 0.000 min

Lab File: VN075725.D

Acq: 12 Dec 2022 20:05

Instrument :

MSVOA_N

ClientSampleId :

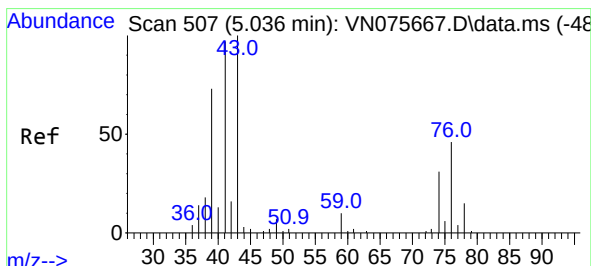
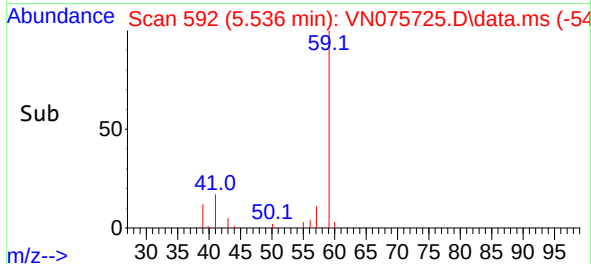
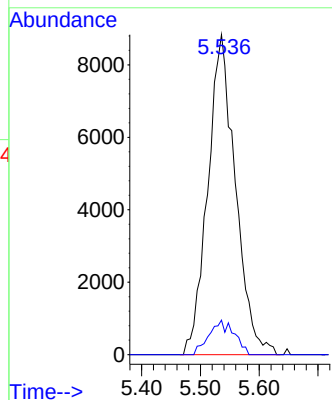
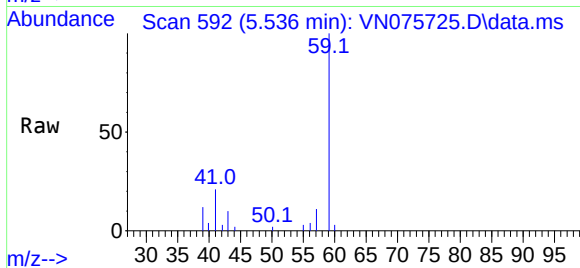
TOLL-MW-09

Tgt Ion: 59 Resp: 28866

Ion Ratio Lower Upper

59 100

57 9.8 8.2 12.4



#14

Allyl chloride

Concen: 2.713 ug/l

RT: 5.283 min Scan# 549

Delta R.T. 0.247 min

Lab File: VN075725.D

Acq: 12 Dec 2022 20:05

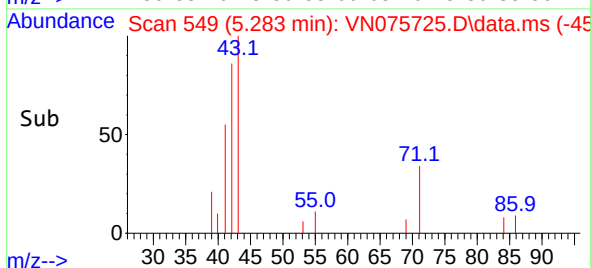
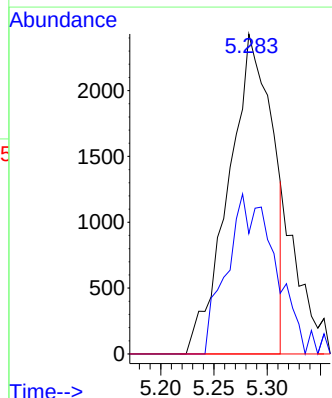
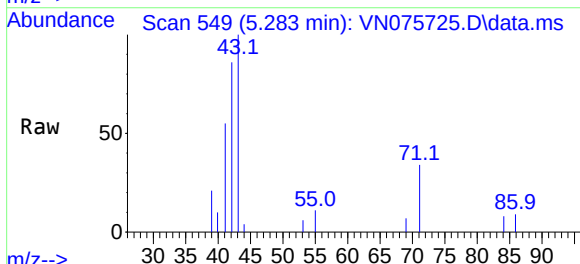
Tgt Ion: 41 Resp: 6976

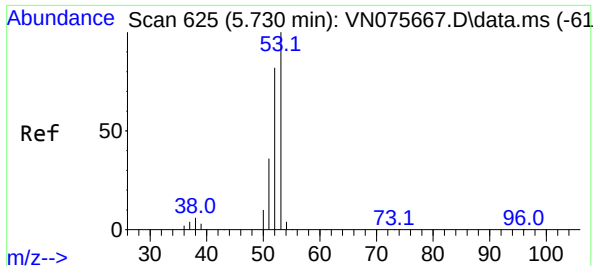
Ion Ratio Lower Upper

41 100

39 26.7 64.6 96.8#

76 0.0 40.9 61.3#

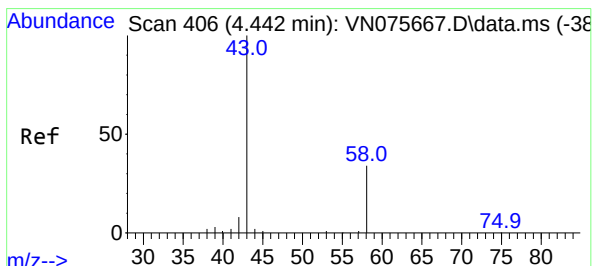
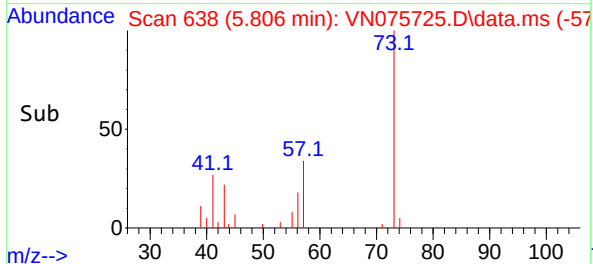
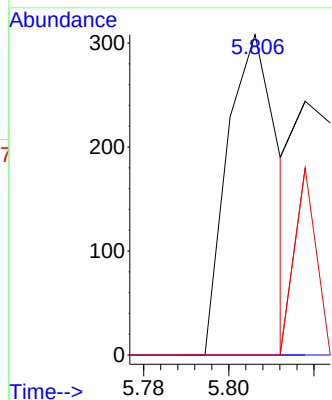
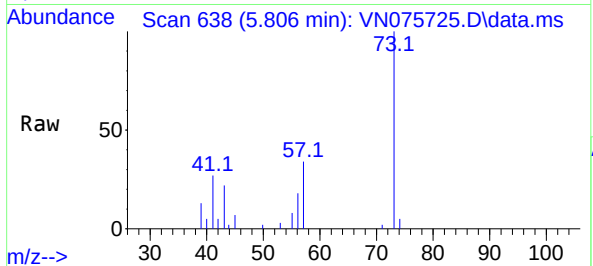




#15
Acrylonitrile
Concen: 0.263 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.076 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

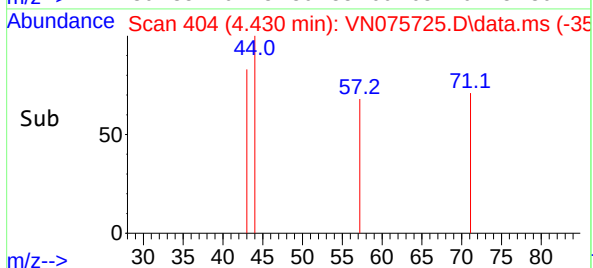
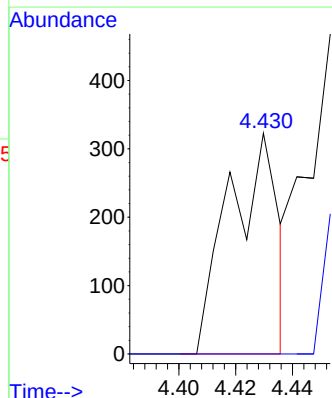
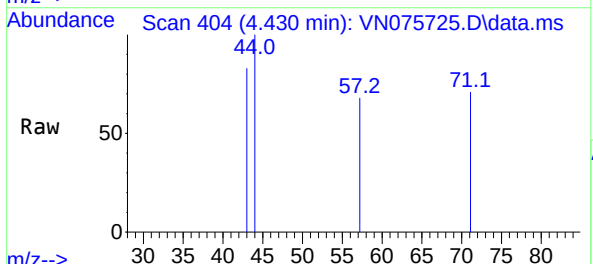
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

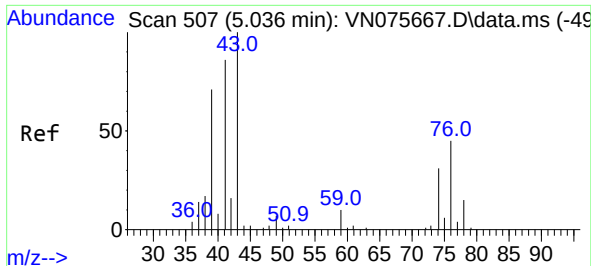
Tgt Ion: 53	Resp:	257
Ion	Ratio	Lower Upper
53	100	
52	0.0	65.0 97.4#
51	24.9	28.9 43.3#



#16
Acetone
Concen: 0.447 ug/l
RT: 4.430 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 43	Resp:	387
Ion	Ratio	Lower Upper
43	100	
58	0.0	27.0 40.4#

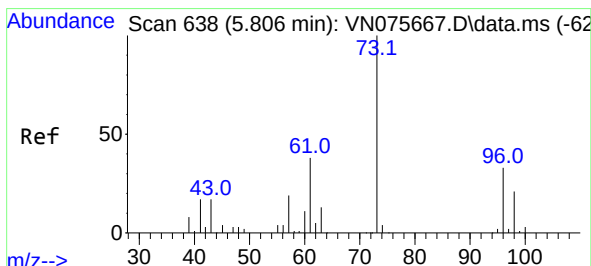
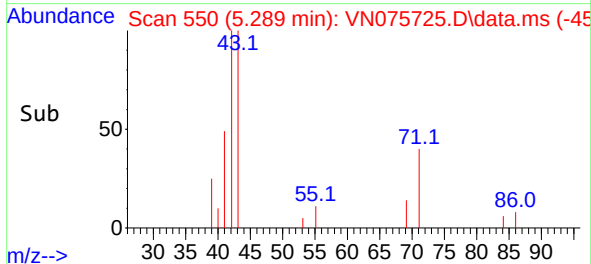
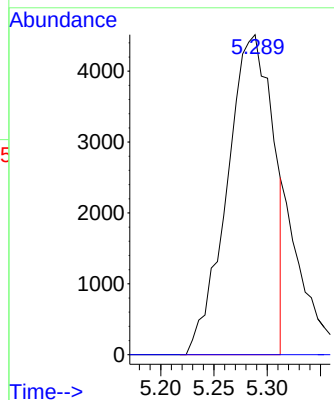
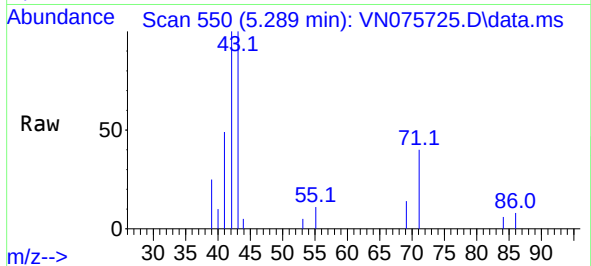




#18
Methyl Acetate
Concen: 4.897 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.253 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

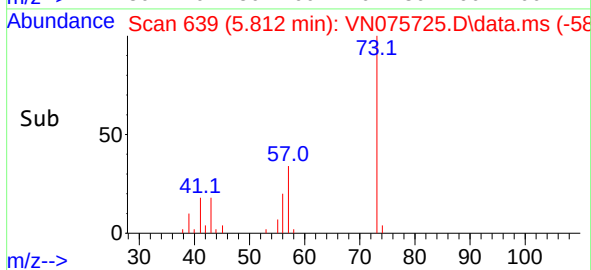
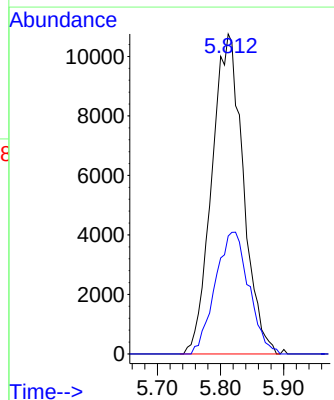
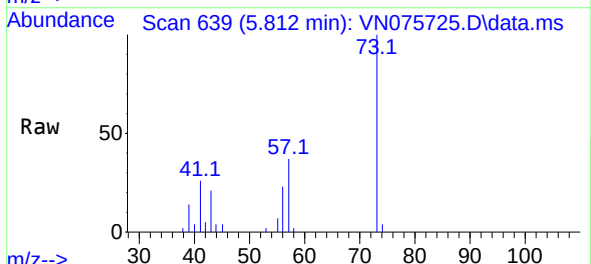
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

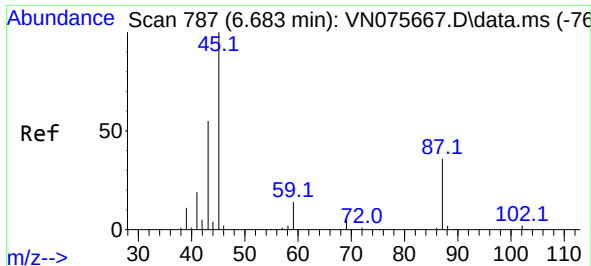
Tgt Ion: 43 Resp: 13629
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#



#19
Methyl tert-butyl Ether
Concen: 5.342 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 73 Resp: 37105
Ion Ratio Lower Upper
73 100
57 36.9 15.1 22.7#

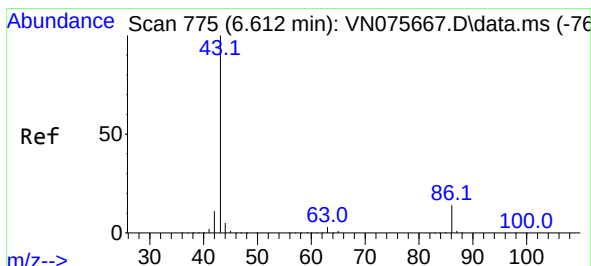
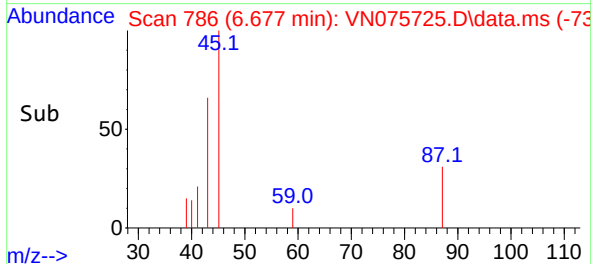
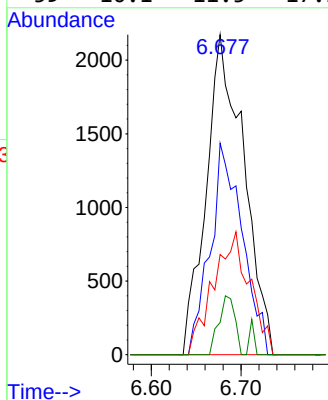
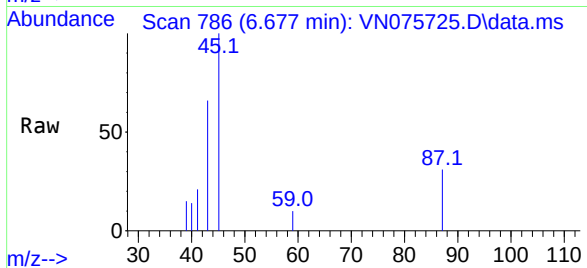




#22
Diisopropyl ether
Concen: 1.081 ug/l
RT: 6.677 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

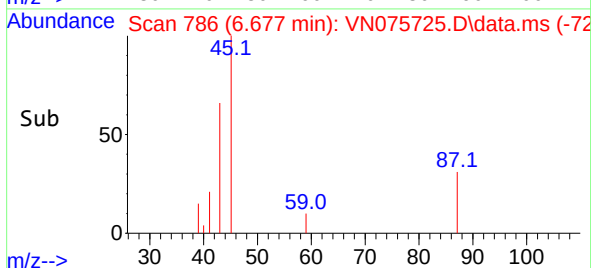
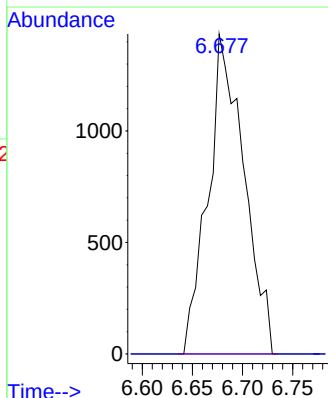
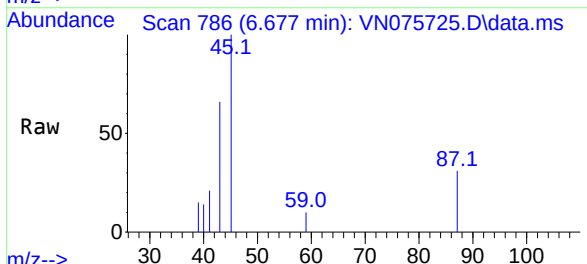
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

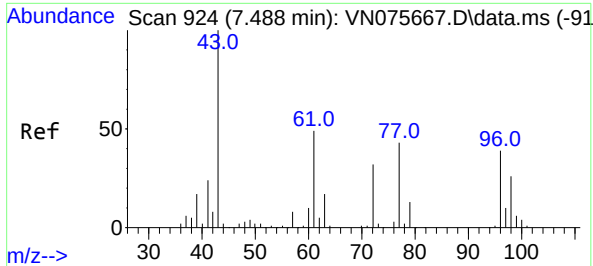
Tgt Ion:	45	Resp:	6323
Ion	Ratio	Lower	Upper
45	100		
43	66.0	44.9	67.3
87	31.3	28.8	43.2
59	10.1	11.5	17.3



#23
Vinyl Acetate
Concen: 0.799 ug/l
RT: 6.677 min Scan# 786
Delta R.T. 0.065 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion:	43	Resp:	3567
Ion	Ratio	Lower	Upper
43	100		
86	0.0	11.5	17.3

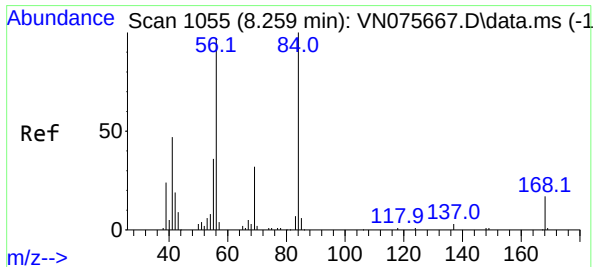
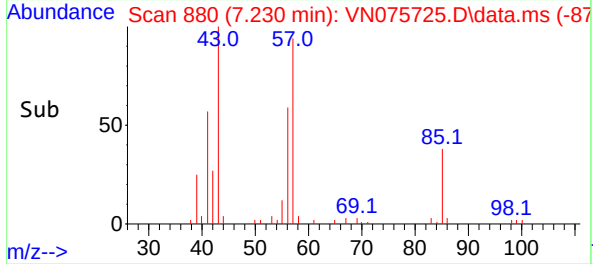
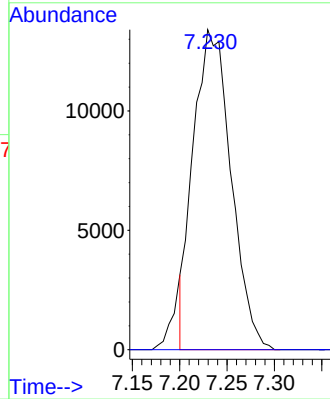
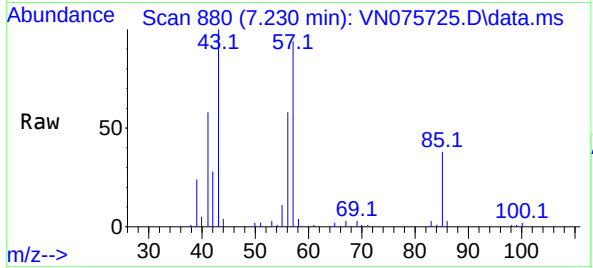




#25
2-Butanone
Concen: 29.228 ug/l
RT: 7.230 min Scan# 81
Delta R.T. -0.259 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

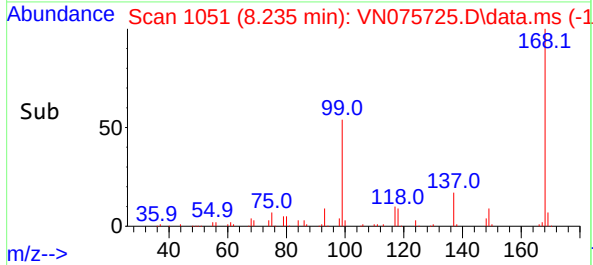
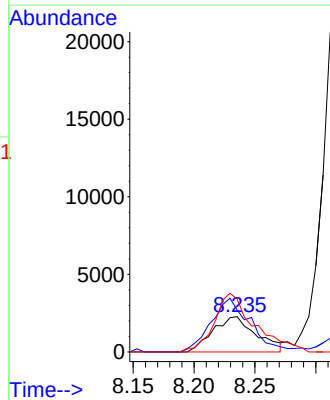
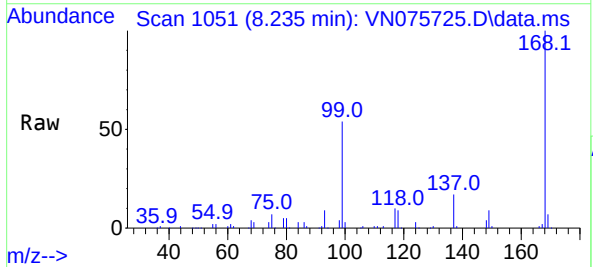
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

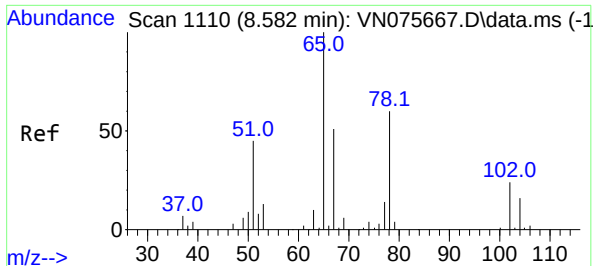
Tgt Ion: 43 Resp: 37008
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.491 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 56 Resp: 5646
Ion Ratio Lower Upper
56 100
69 118.5 26.2 39.2#
84 149.8 82.8 124.2#

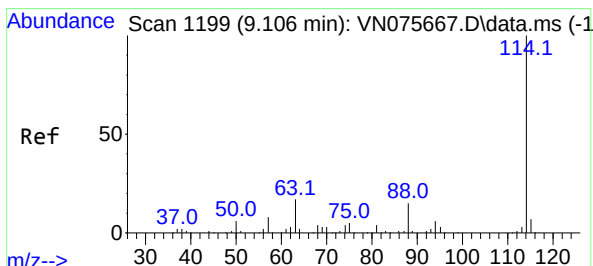
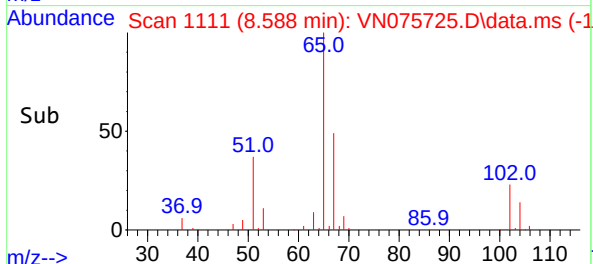
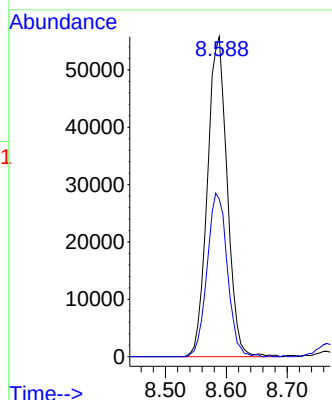
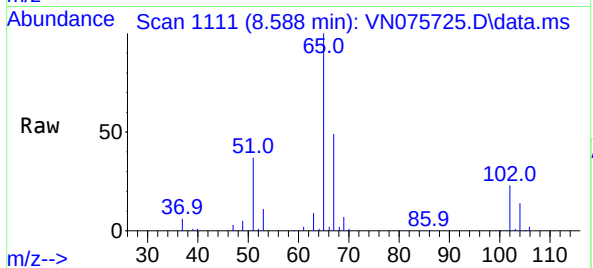




#33
1,2-Dichloroethane-d4
Concen: 49.194 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

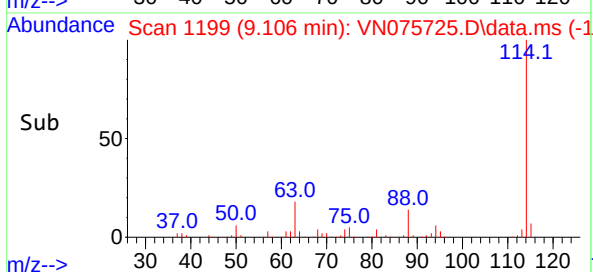
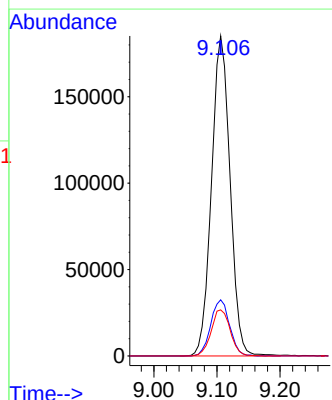
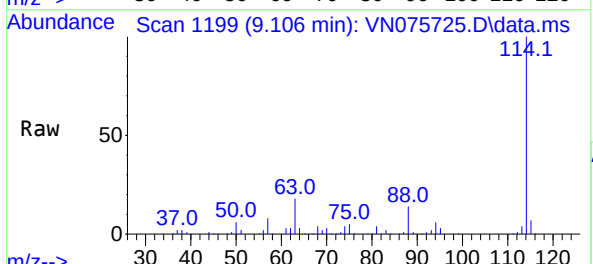
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

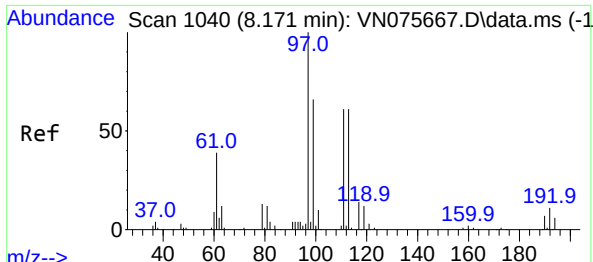
Tgt Ion: 65 Resp: 125819
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 114 Resp: 378190
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.4
88 14.4 0.0 29.2

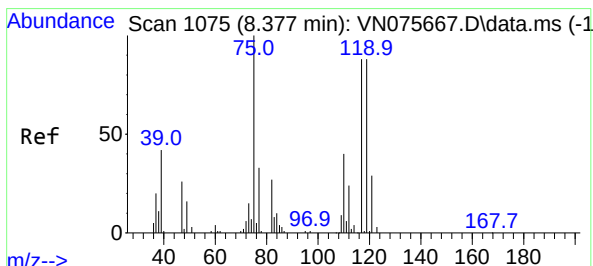
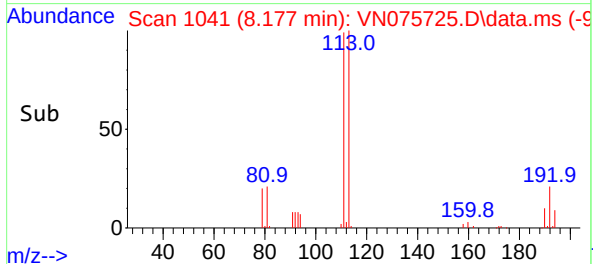
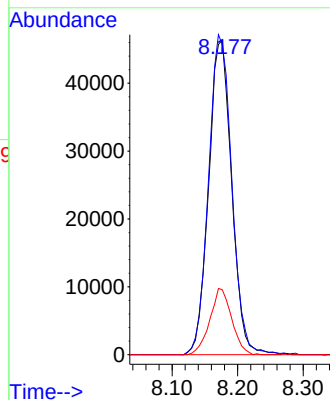
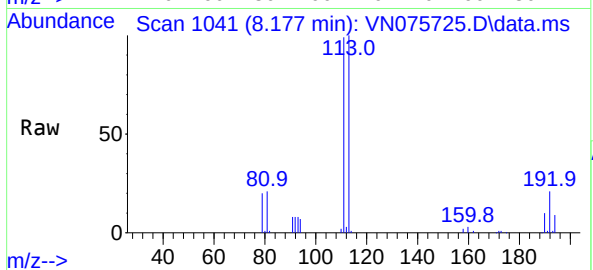




#35
Dibromofluoromethane
Concen: 48.928 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

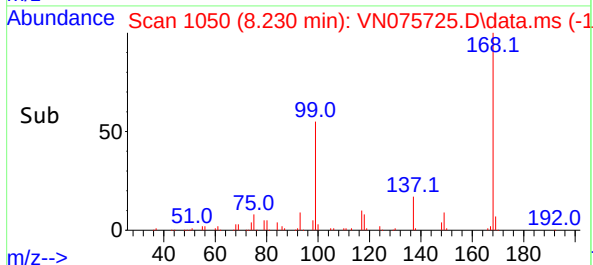
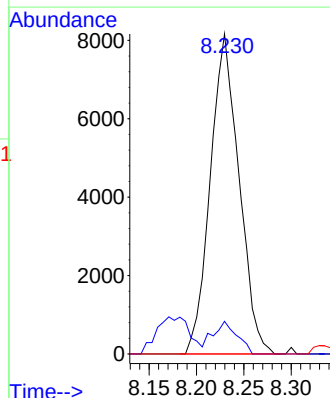
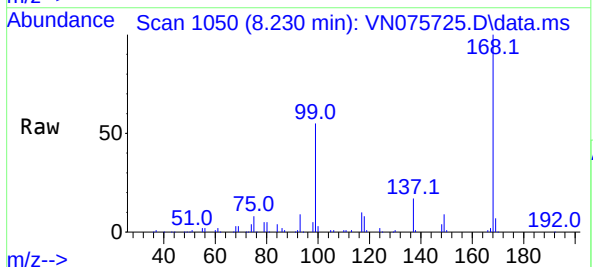
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

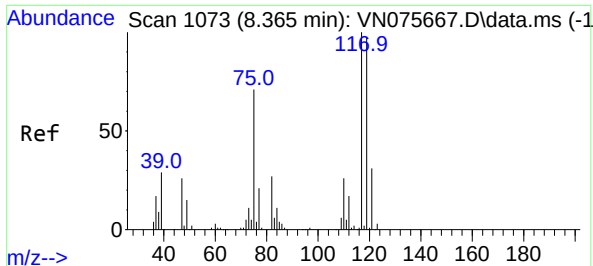
Tgt Ion:113 Resp: 112896
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.6
192 20.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.629 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 75 Resp: 17247
Ion Ratio Lower Upper
75 100
110 8.6 18.9 56.9#
77 0.0 25.4 38.2#

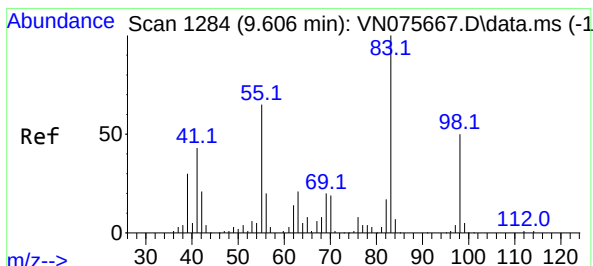
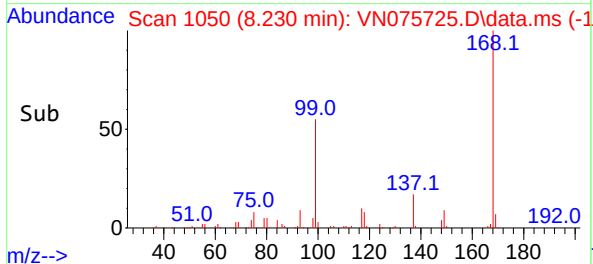
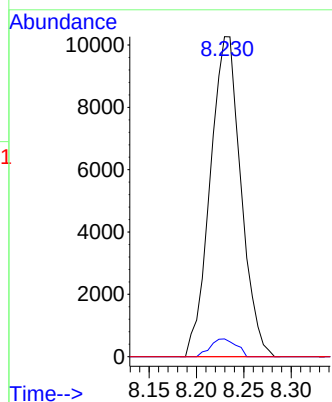
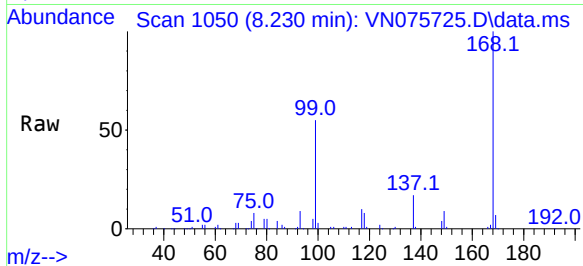




#38
Carbon Tetrachloride
Concen: 6.557 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

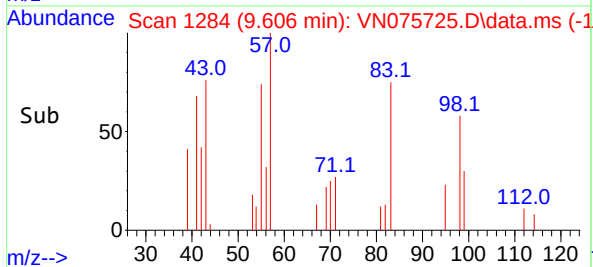
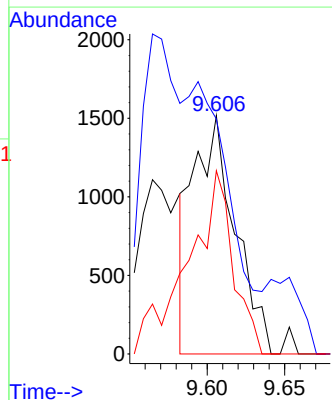
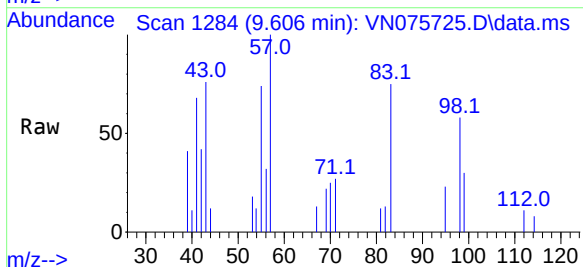
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

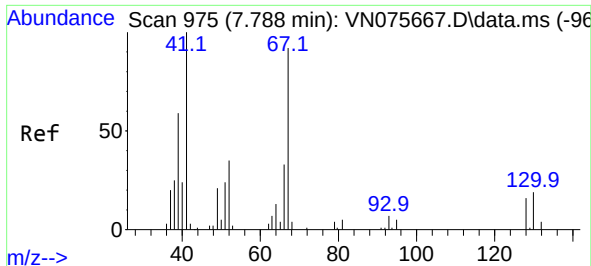
Tgt Ion:117 Resp: 23184
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.733 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 83 Resp: 2848
Ion Ratio Lower Upper
83 100
55 69.0 51.6 77.4
98 76.8 39.8 59.8#



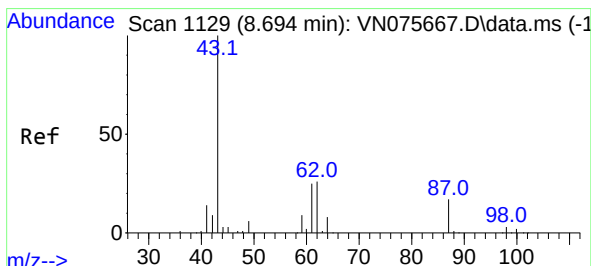
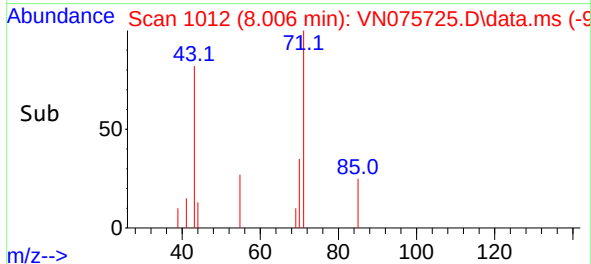
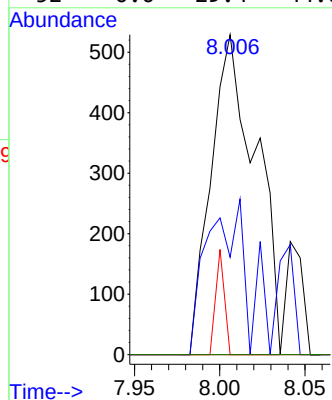
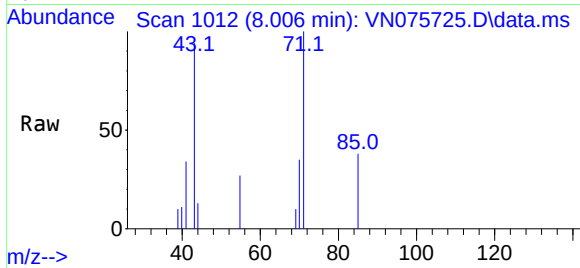


#41
Methacrylonitrile
Concen: 0.769 ug/l
RT: 8.006 min Scan# 1130
Delta R.T. 0.218 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

Tgt Ion: 41 Resp: 970

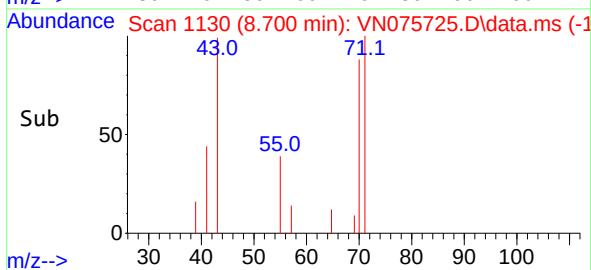
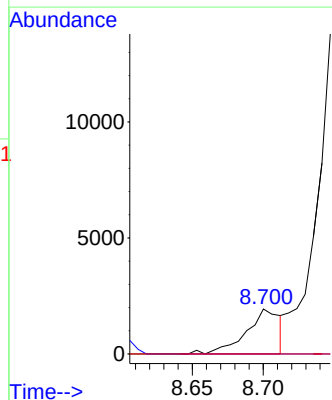
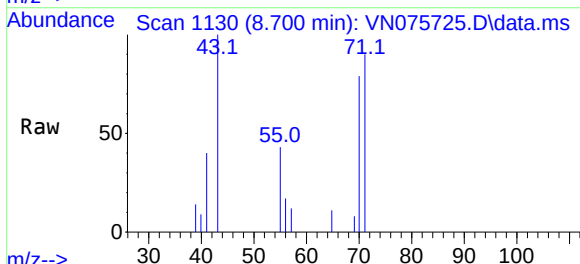
Ion	Ratio	Lower	Upper
41	100		
39	43.4	46.3	69.5#
67	6.3	74.0	111.0#
52	0.0	29.4	44.0#

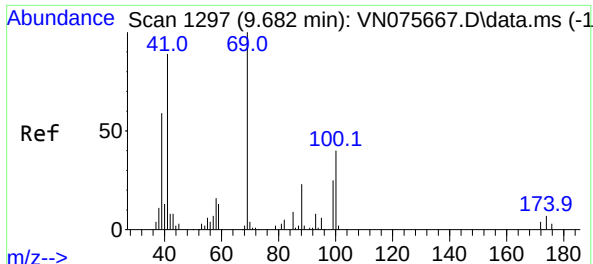


#43
Isopropyl Acetate
Concen: 0.784 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 43 Resp: 3220

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	13.7	20.5#

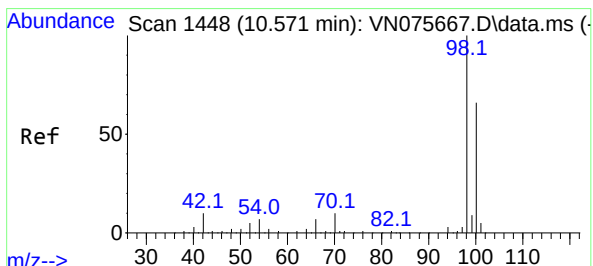
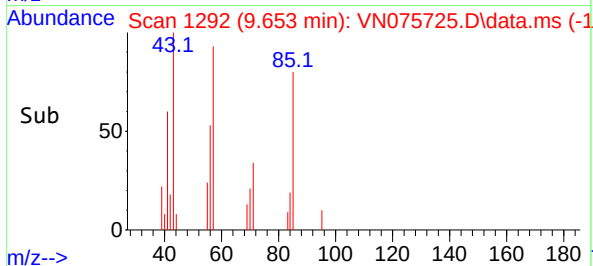
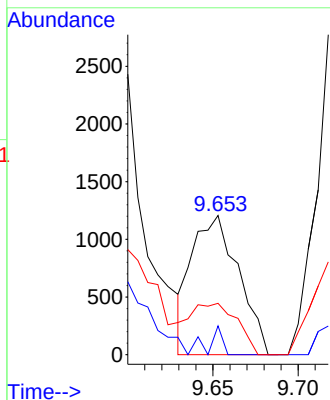
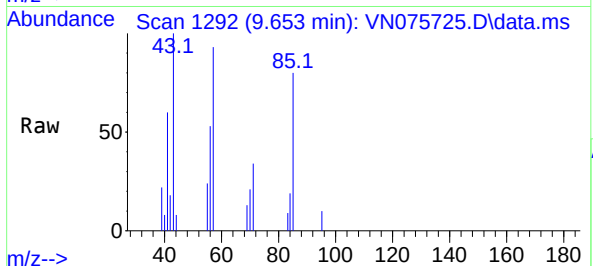




#48
Methyl methacrylate
Concen: 1.217 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

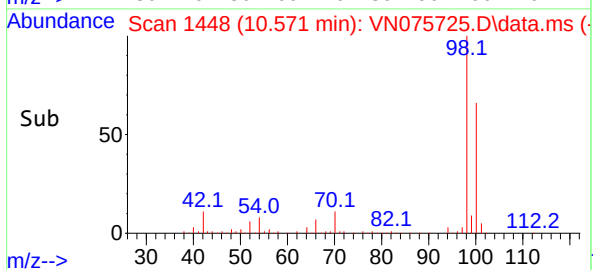
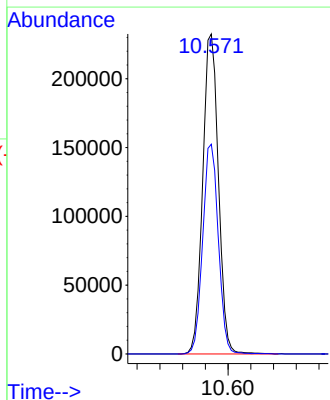
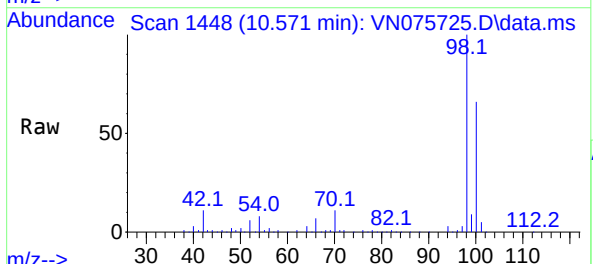
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

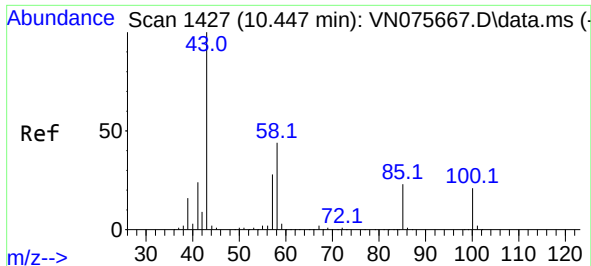
Tgt Ion: 41 Resp: 2302
Ion Ratio Lower Upper
41 100
69 6.2 82.5 123.7#
39 37.2 53.2 79.8#



#50
Toluene-d8
Concen: 51.428 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 98 Resp: 445638
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

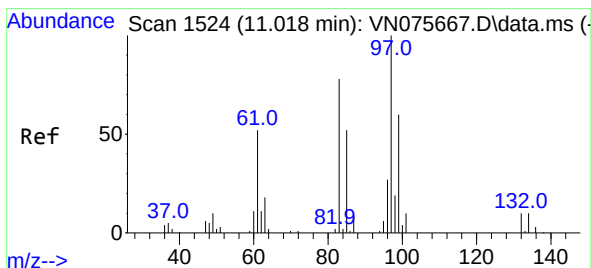
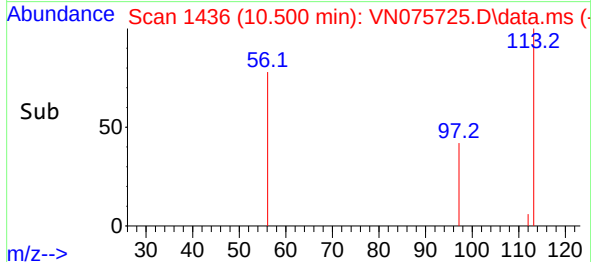
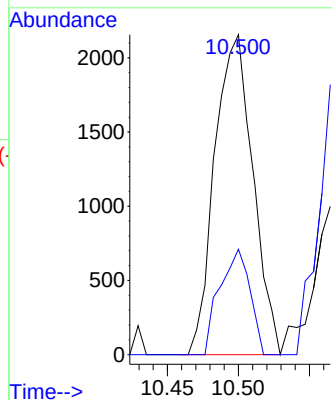
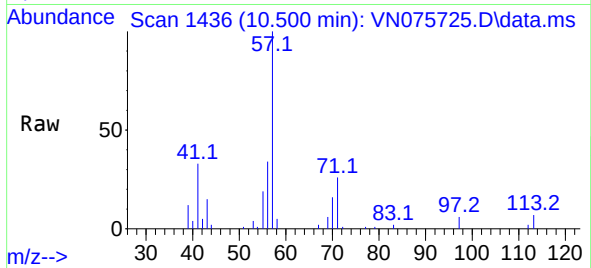




#51
4-Methyl-2-Pentanone
Concen: 1.592 ug/l
RT: 10.500 min Scan# 1427
Delta R.T. 0.053 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

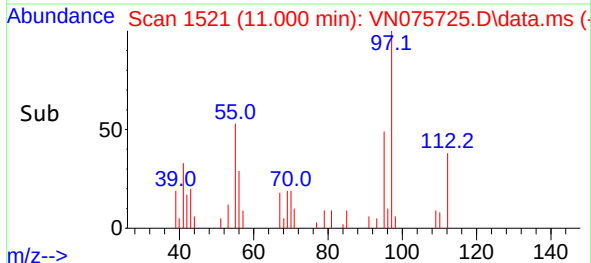
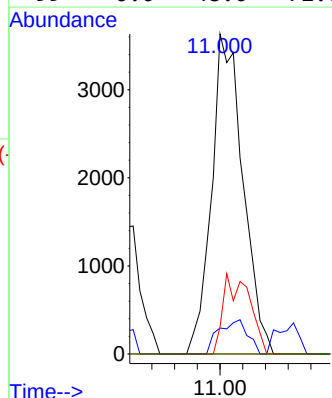
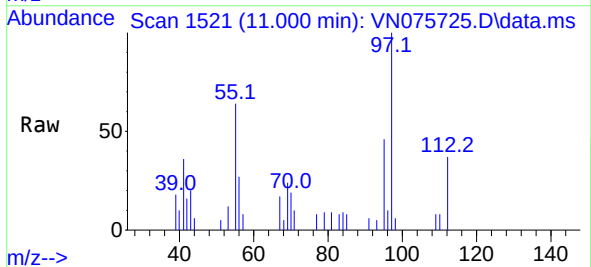
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

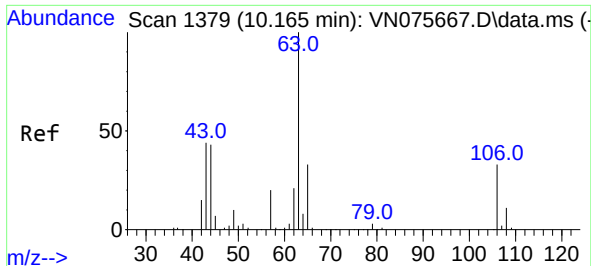
Tgt Ion: 43 Resp: 4031
Ion Ratio Lower Upper
43 100
58 26.0 35.0 52.6#



#55
1,1,2-Trichloroethane
Concen: 2.848 ug/l
RT: 11.000 min Scan# 1521
Delta R.T. -0.018 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 97 Resp: 6959
Ion Ratio Lower Upper
97 100
83 8.1 62.7 94.1#
85 8.5 41.8 62.6#
99 0.0 48.0 72.0#

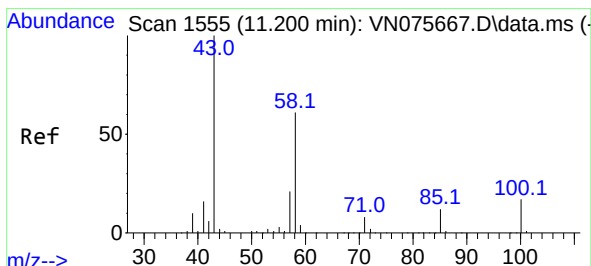
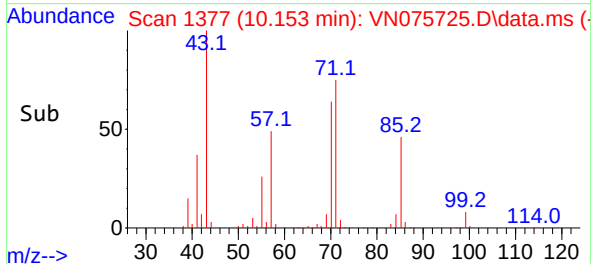
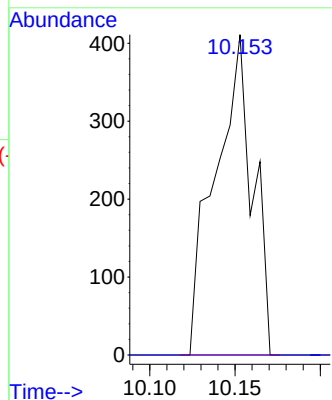
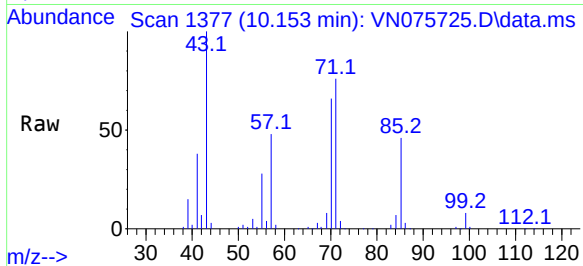




#58
2-Chloroethyl Vinyl ether
Concen: 0.644 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

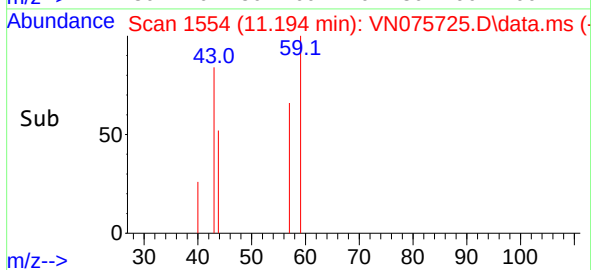
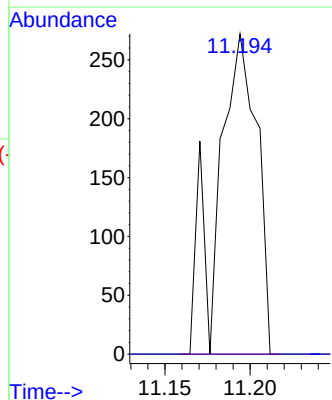
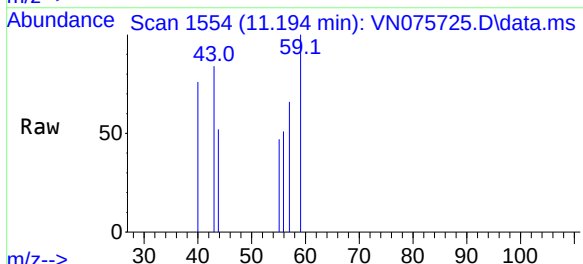
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

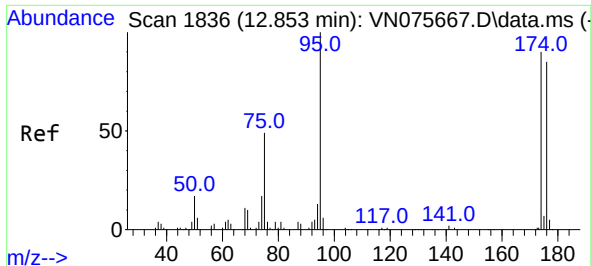
Tgt Ion: 63 Resp: 630
Ion Ratio Lower Upper
63 100
106 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.239 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

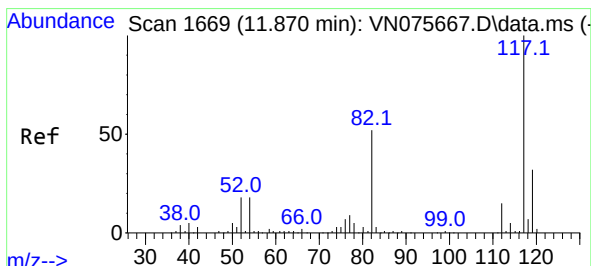
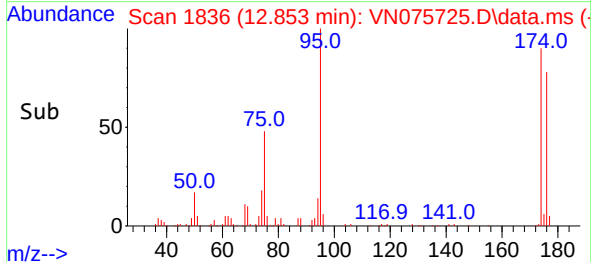
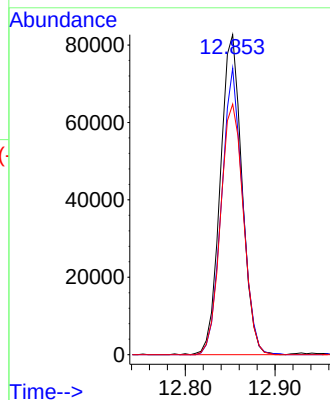
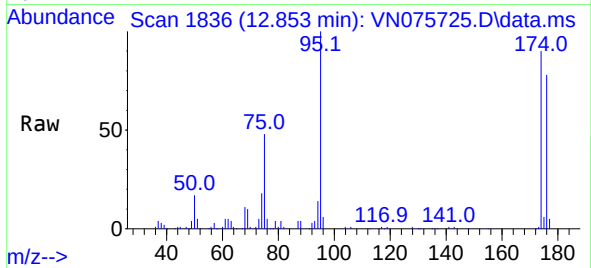




#62
4-Bromofluorobenzene
Concen: 46.750 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

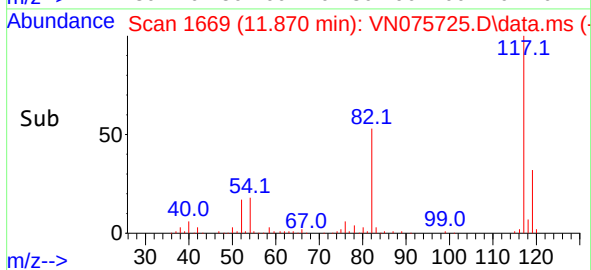
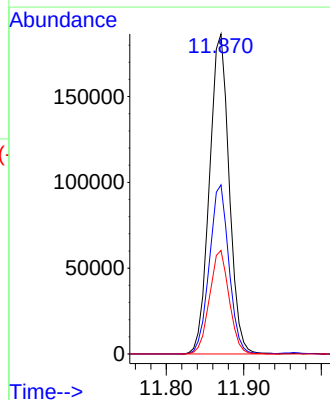
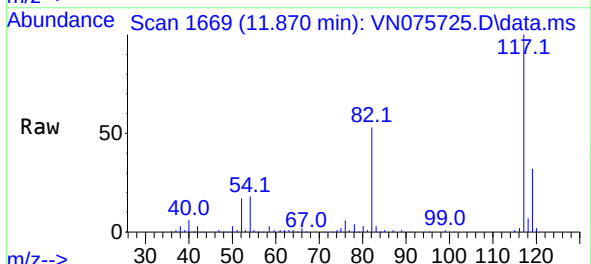
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

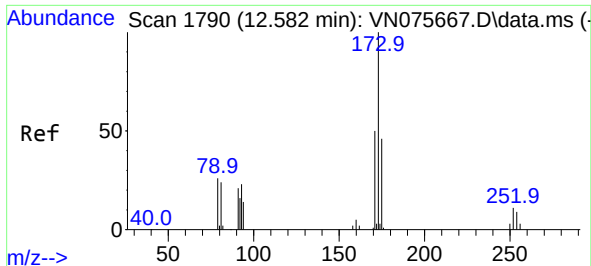
Tgt Ion: 95 Resp: 138506
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.6
176 82.5 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 117 Resp: 329278
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.3 25.8 38.6

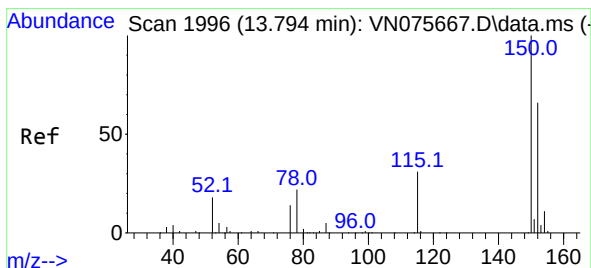
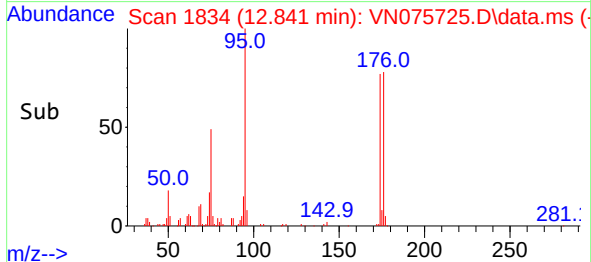
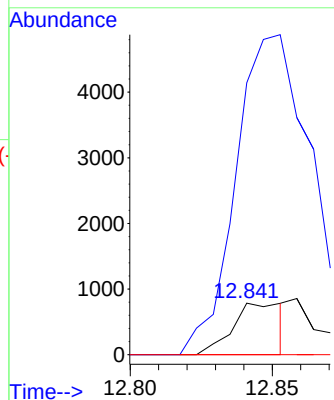
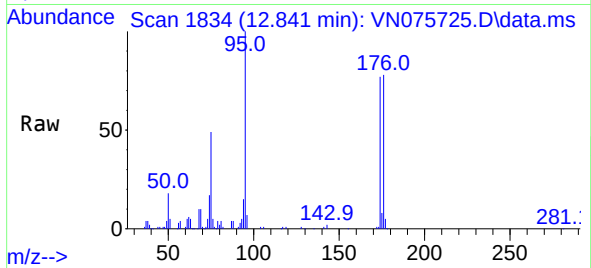




#71
Bromoform
Concen: 0.524 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

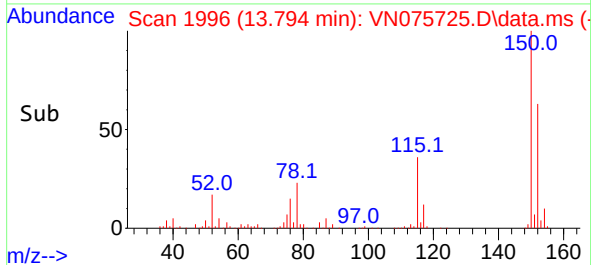
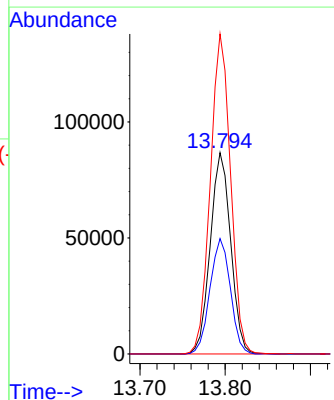
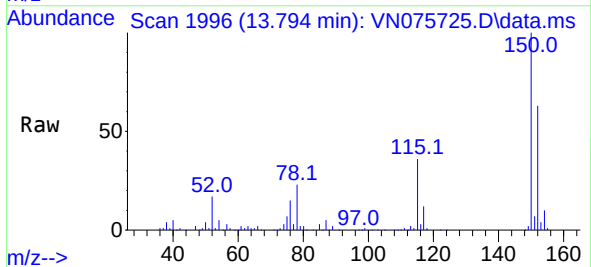
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

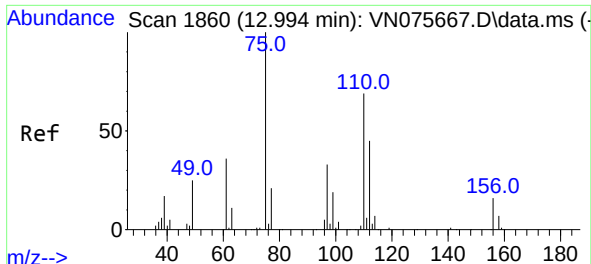
Tgt Ion:173 Resp: 979
Ion Ratio Lower Upper
173 100
175 737.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion:152 Resp: 144416
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.2
150 157.6 0.0 347.6

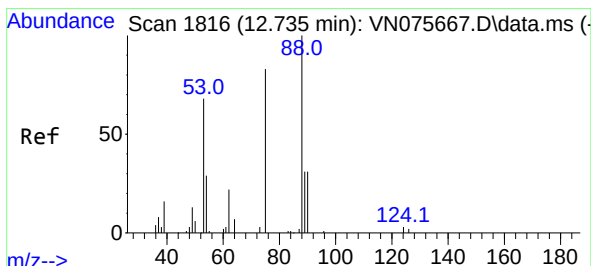
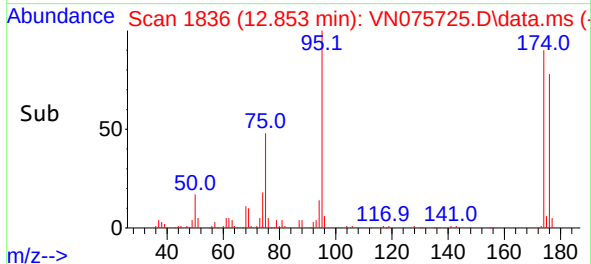
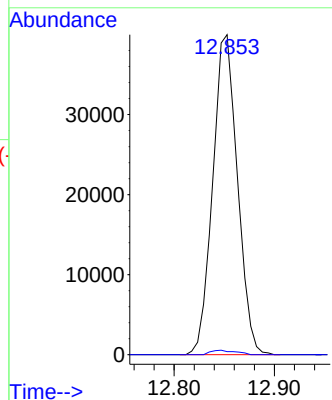
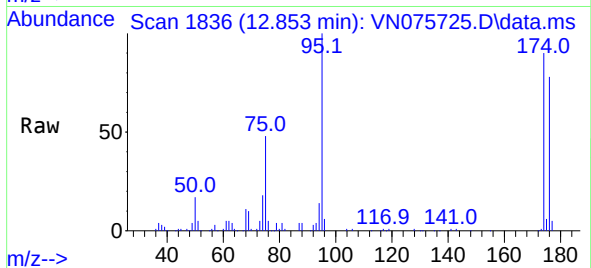




#76
1,2,3-Trichloropropane
Concen: 23.546 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-09

Tgt Ion: 75 Resp: 68288
Ion Ratio Lower Upper
75 100
77 1.4 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.279 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075725.D
Acq: 12 Dec 2022 20:05

Tgt Ion: 75 Resp: 68288
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

