

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031423.D
 Acq On : 16 Sep 2022 20:19
 Operator : JC/MD
 Sample : N4645-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-06

Quant Time: Sep 17 02:08:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

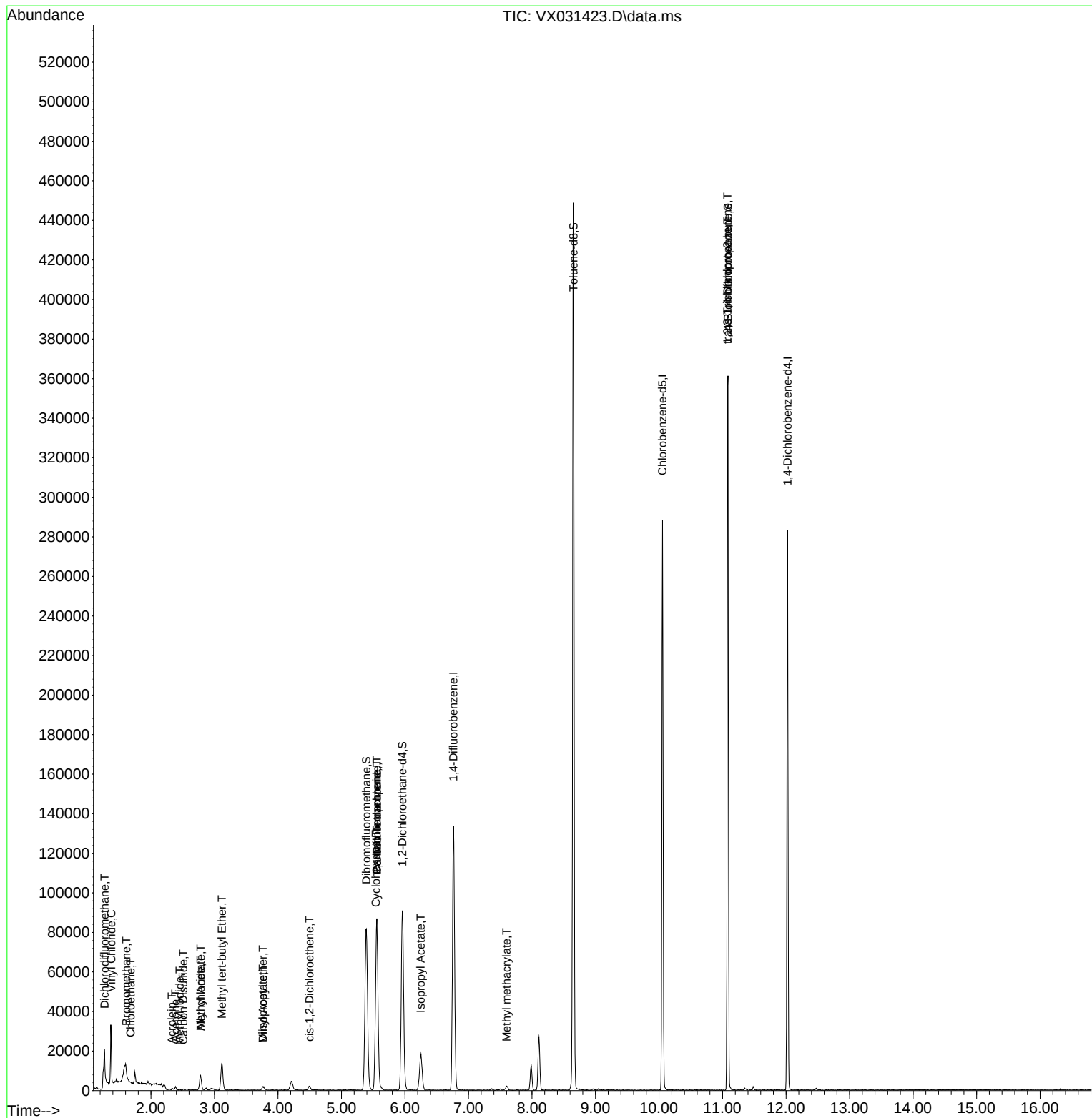
Internal Standards						
1) Pentafluorobenzene	5.556	168	80515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	132918	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80183	40.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.140%		
35) Dibromofluoromethane	5.391	113	68407	47.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.653	98	257796	48.101	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.200%		
62) 4-Bromofluorobenzene	11.085	95	84057	42.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.270	85	552	0.635	ug/l	80
3) Chloromethane	1.288	50	185	Below Cal	#	41
4) Vinyl Chloride	1.374	62	1036	0.736	ug/l	91
5) Bromomethane	1.611	94	585	0.555	ug/l	91
6) Chloroethane	1.678	64	853	0.785	ug/l	# 51
10) Methyl Iodide	2.453	142	147	1.019	ug/l	# 38
11) Tert butyl alcohol	2.959	59	502	Below Cal	#	73
13) Acrolein	2.331	56	48	0.210	ug/l	# 15
14) Allyl chloride	2.782	41	2391	0.963	ug/l	# 68
16) Acetone	2.386	43	1686	1.998	ug/l	# 85
17) Carbon Disulfide	2.508	76	313	0.994	ug/l	# 75
18) Methyl Acetate	2.782	43	5100	2.039	ug/l	# 52
19) Methyl tert-butyl Ether	3.117	73	14955	2.873	ug/l	97
20) Methylene Chloride	2.788	84	53	Below Cal	#	39
22) Diisopropyl ether	3.763	45	1710	0.329	ug/l	# 81
23) Vinyl Acetate	3.763	43	1107	0.256	ug/l	# 71
27) cis-1,2-Dichloroethene	4.495	96	1397	0.844	ug/l	65
31) Cyclohexane	5.544	56	2136	1.006	ug/l	# 18
36) 1,1-Dichloropropene	5.556	75	6436	3.291	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	8204	3.859	ug/l	# 17
43) Isopropyl Acetate	6.245	43	4515	1.029	ug/l	# 61
48) Methyl methacrylate	7.598	41	744	0.373	ug/l	# 35
76) 1,2,3-Trichloropropane	11.079	75	48194	35.533	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	48194	98.320	ug/l	# 11

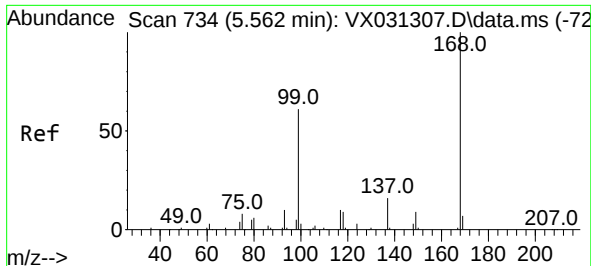
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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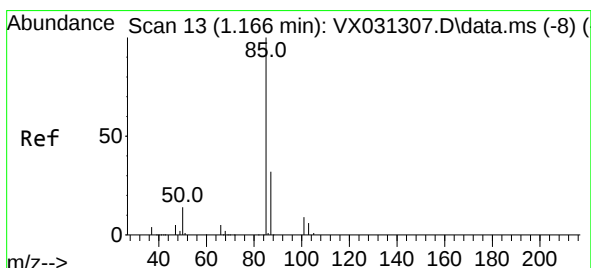
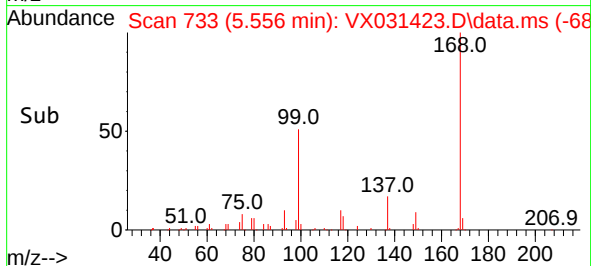
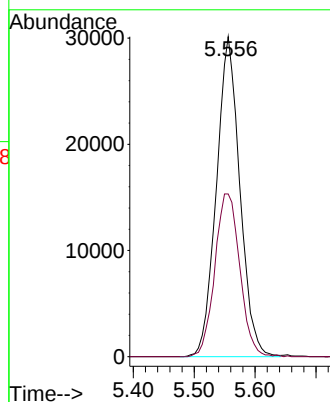
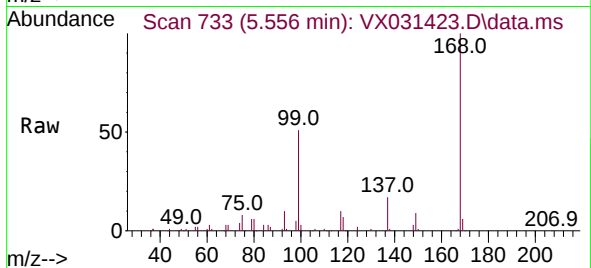




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

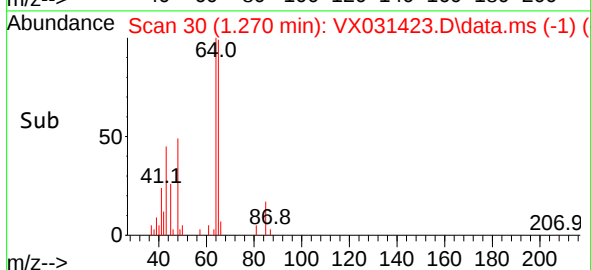
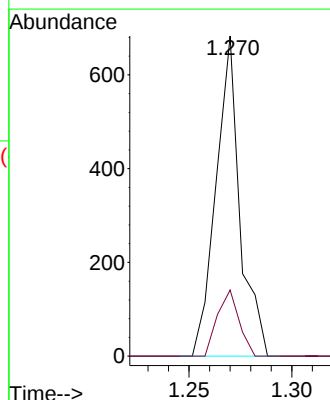
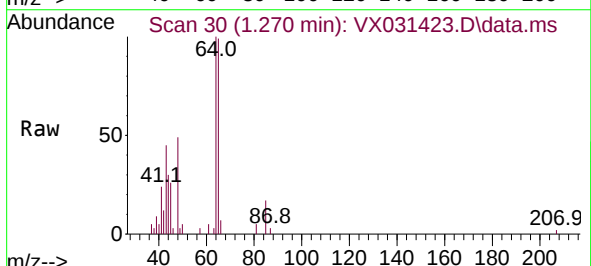
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

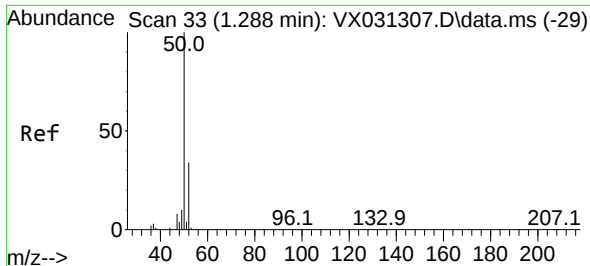
Tgt Ion:168 Resp: 80515
Ion Ratio Lower Upper
168 100
99 50.8 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.635 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 85 Resp: 552
Ion Ratio Lower Upper
85 100
87 20.6 15.8 47.4

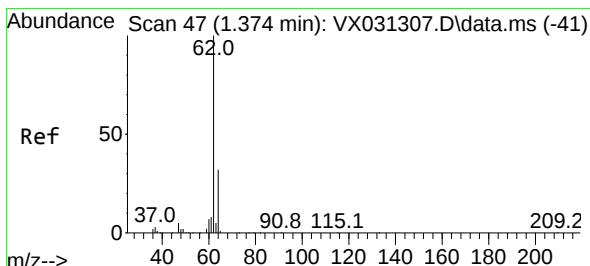
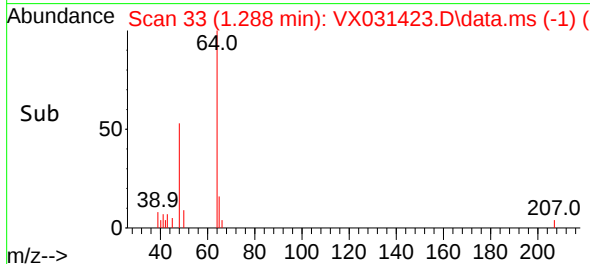
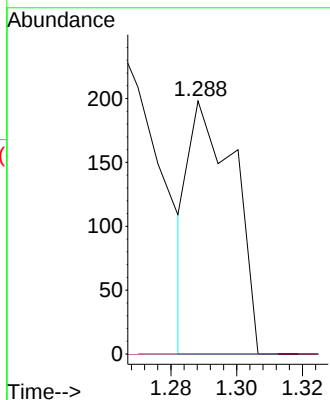
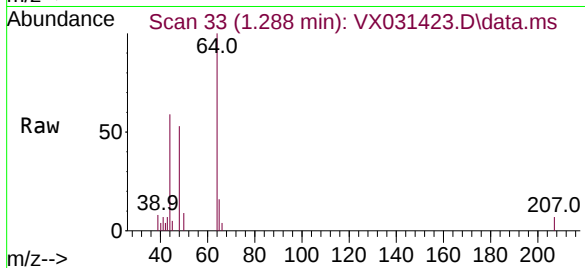




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

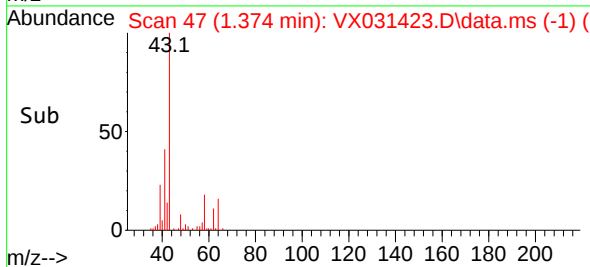
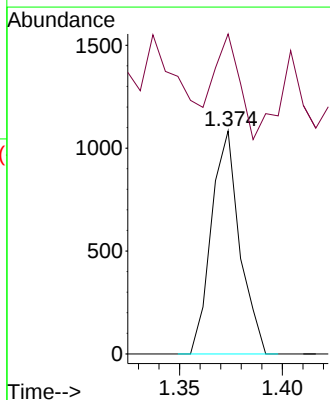
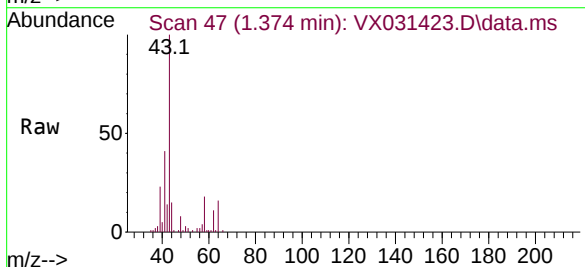
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

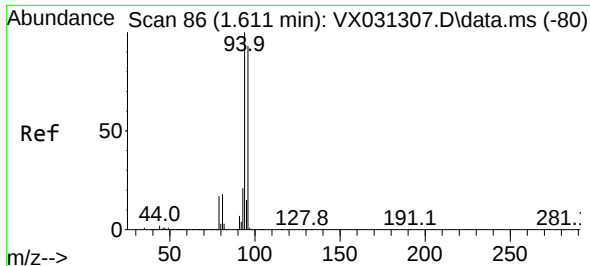
Tgt Ion: 50 Resp: 185
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#4
Vinyl Chloride
Concen: 0.736 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 62 Resp: 1036
Ion Ratio Lower Upper
62 100
64 36.7 25.3 37.9

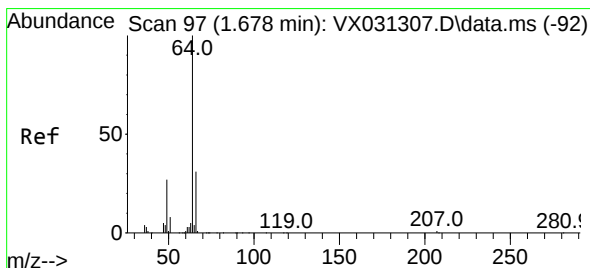
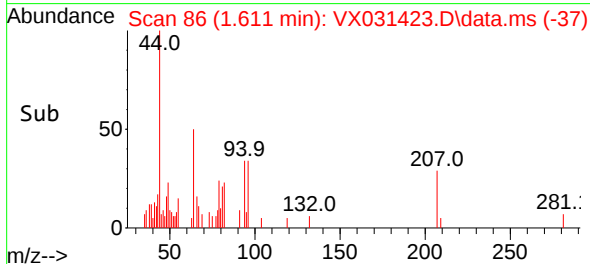
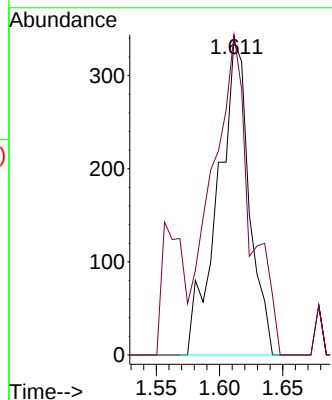
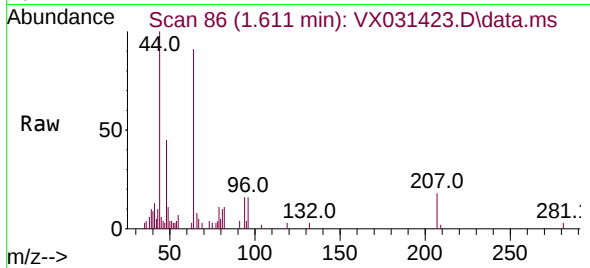




#5
Bromomethane
Concen: 0.555 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

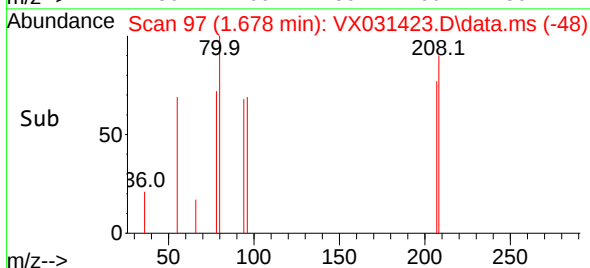
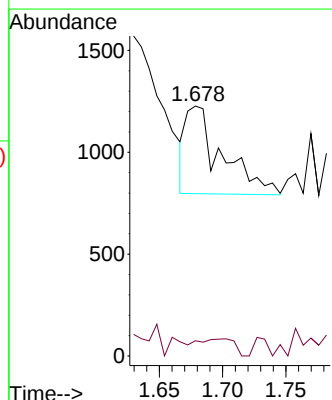
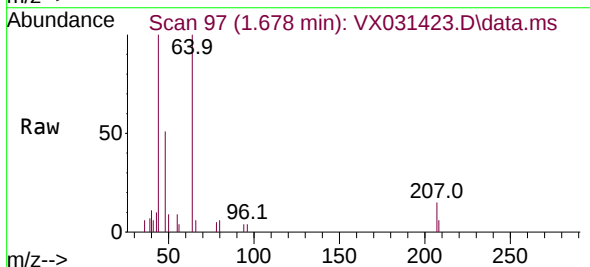
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

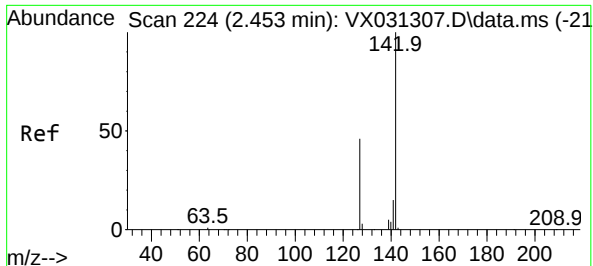
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 101.8 74.4 111.6



#6
Chloroethane
Concen: 0.785 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 64 Resp: 853
Ion Ratio Lower Upper
64 100
66 4.4 25.0 37.4#

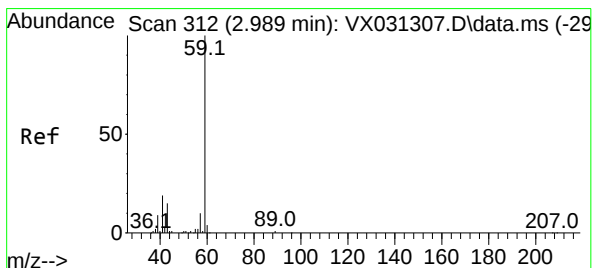
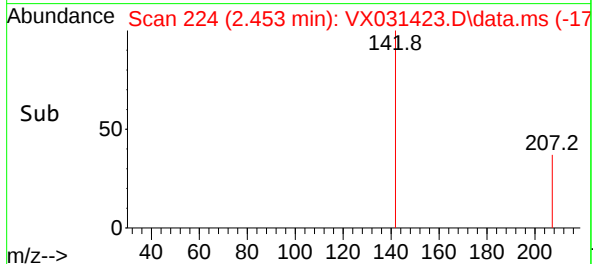
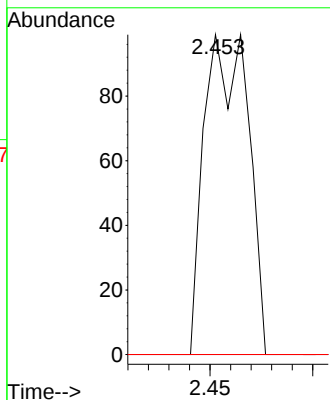
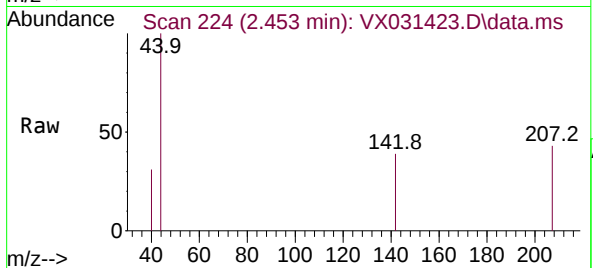




#10
Methyl Iodide
Concen: 1.019 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

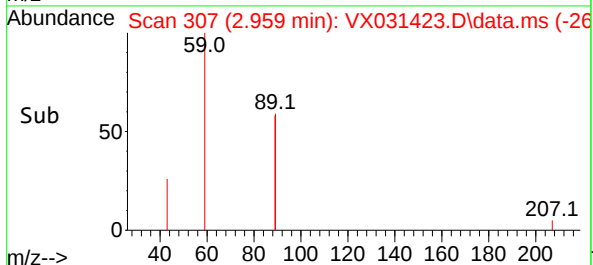
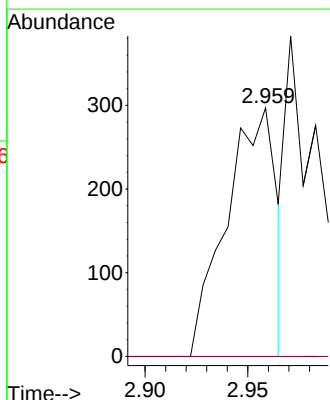
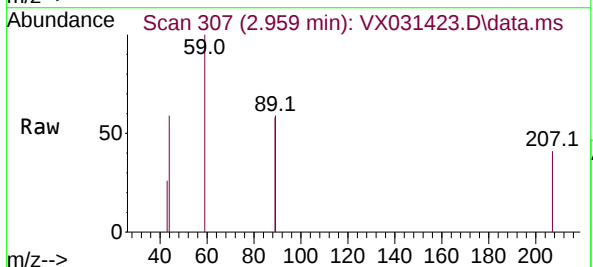
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

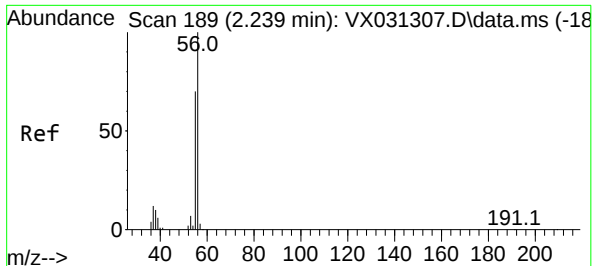
Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.210 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.092 min

Lab File: VX031423.D

Acq: 16 Sep 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

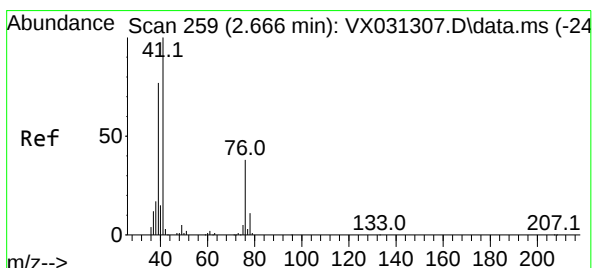
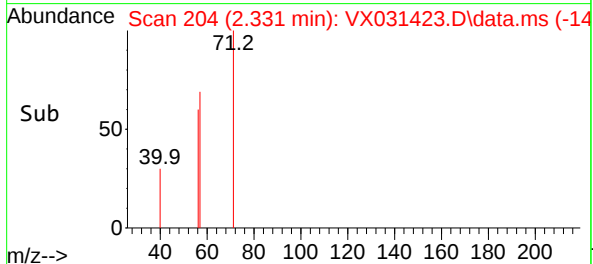
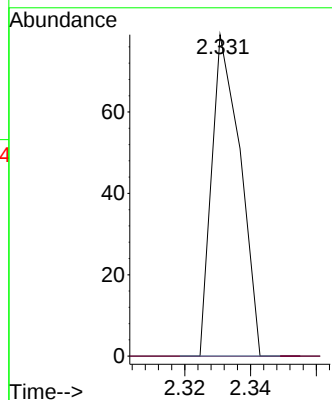
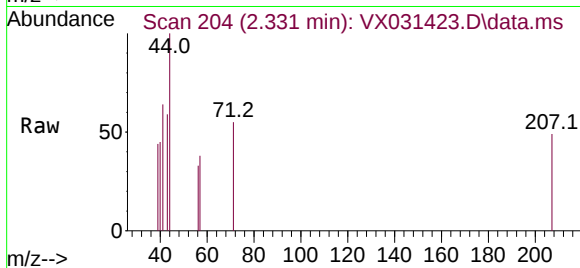
TOLL-MW-06

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#14

Allyl chloride

Concen: 0.963 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.116 min

Lab File: VX031423.D

Acq: 16 Sep 2022 20:19

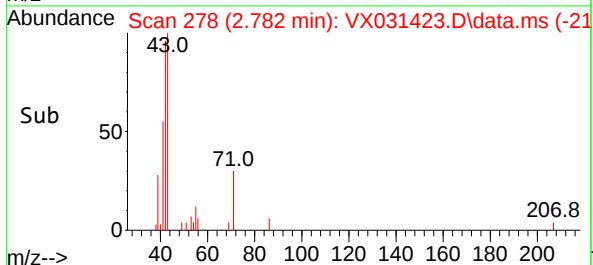
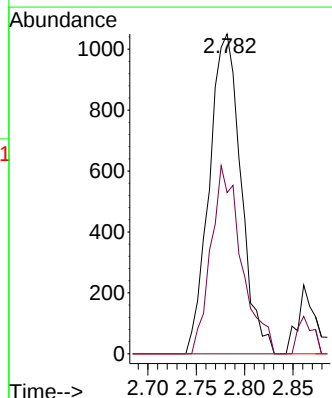
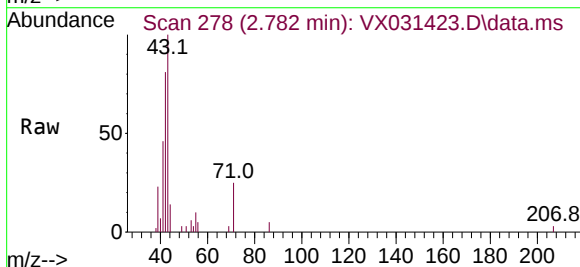
Tgt Ion: 41 Resp: 2391

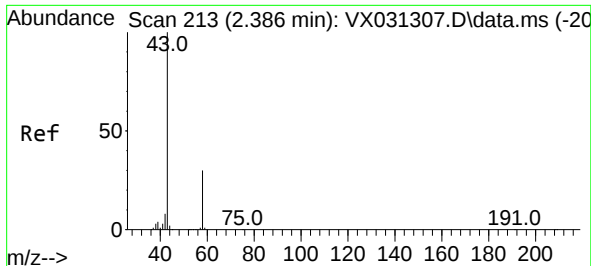
Ion Ratio Lower Upper

41 100

39 56.8 58.2 87.4#

76 0.0 26.9 40.3#

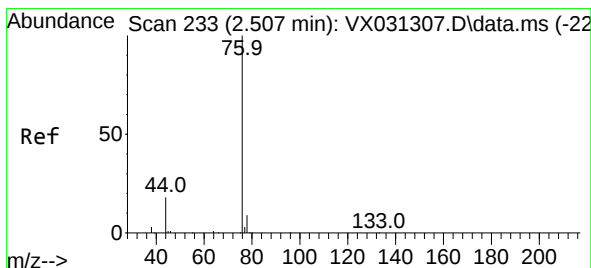
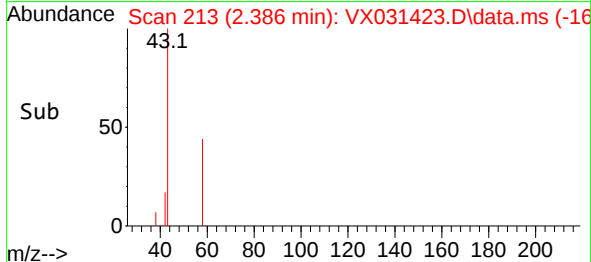
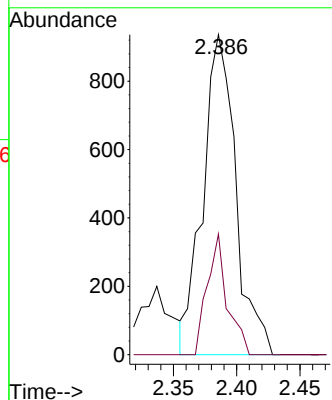
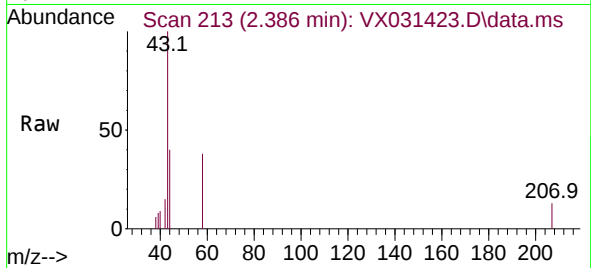




#16
Acetone
Concen: 1.998 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

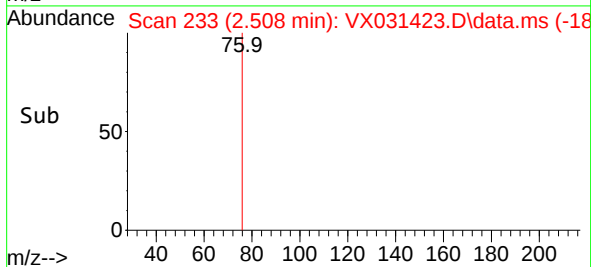
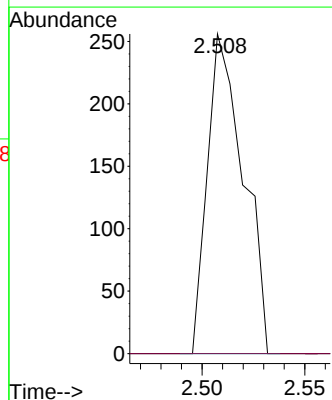
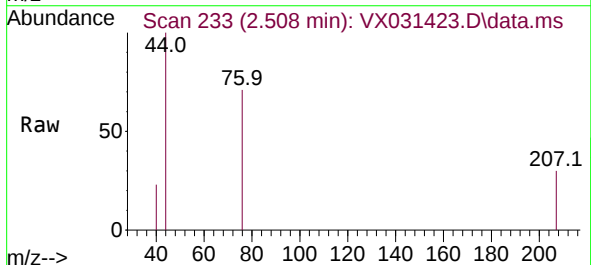
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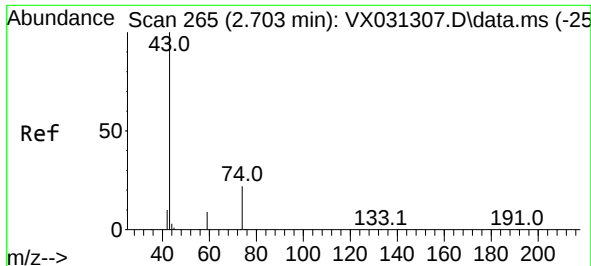
Tgt Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
58 37.7 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.994 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 76 Resp: 313
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 2.039 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX031423.D

Acq: 16 Sep 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

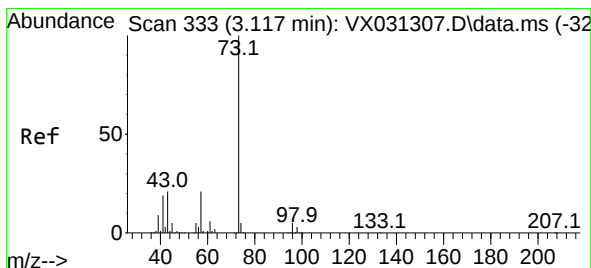
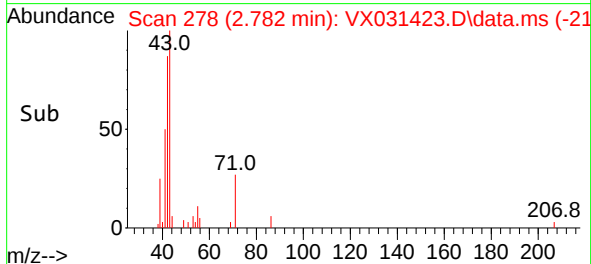
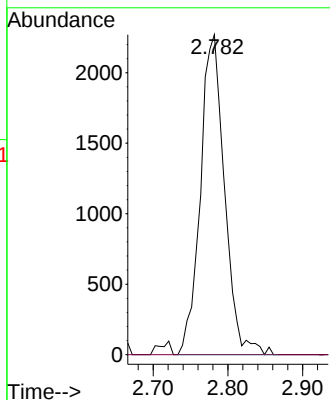
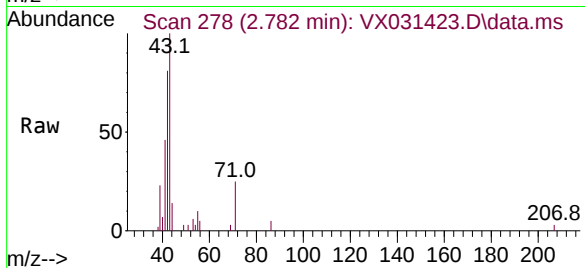
TOLL-MW-06

Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#19

Methyl tert-butyl Ether

Concen: 2.873 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX031423.D

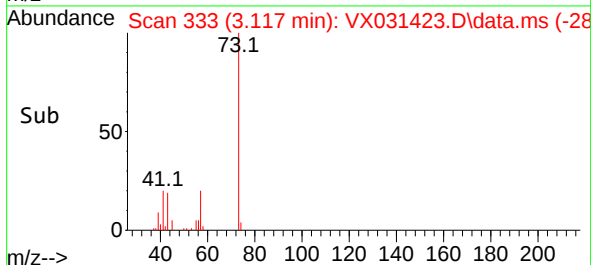
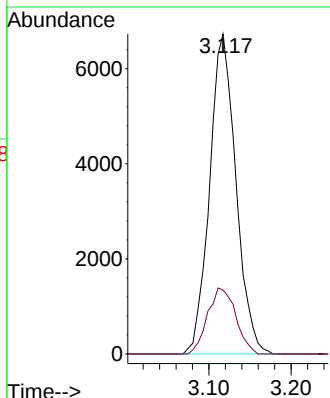
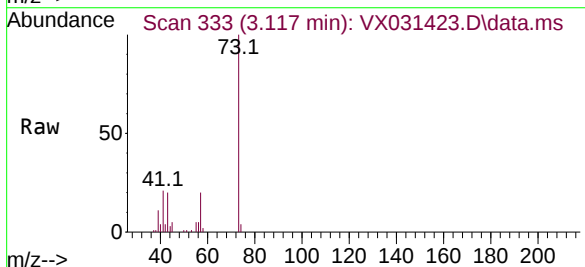
Acq: 16 Sep 2022 20:19

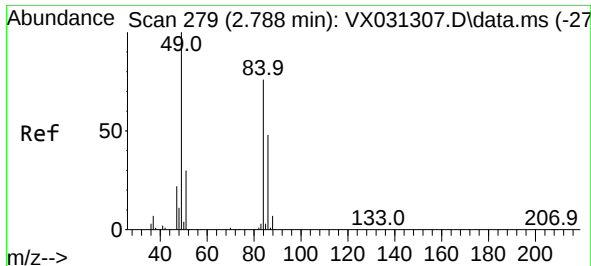
Tgt Ion: 73 Resp: 14955

Ion Ratio Lower Upper

73 100

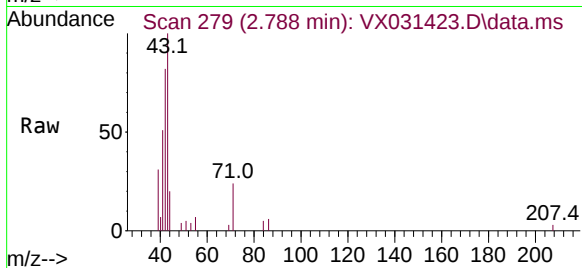
57 20.0 17.2 25.8



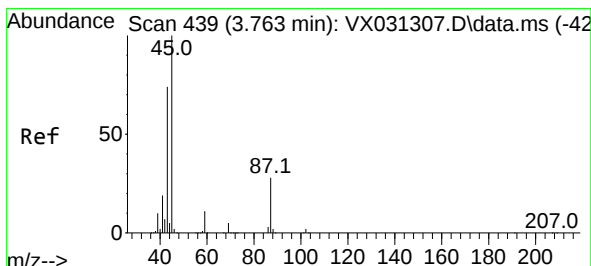
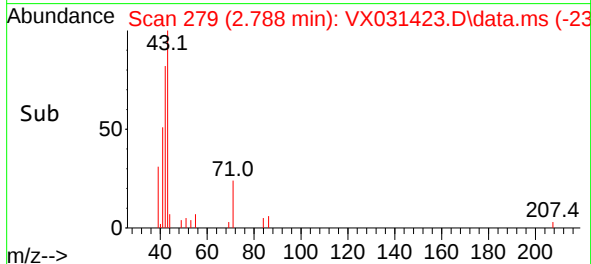
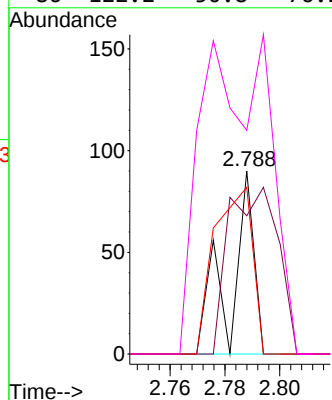


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

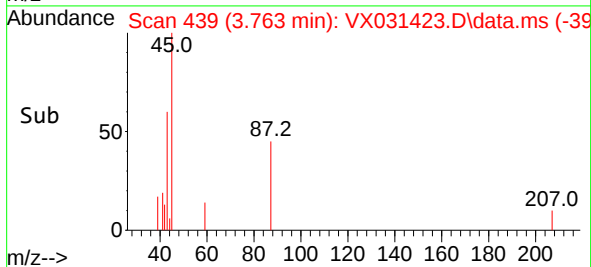
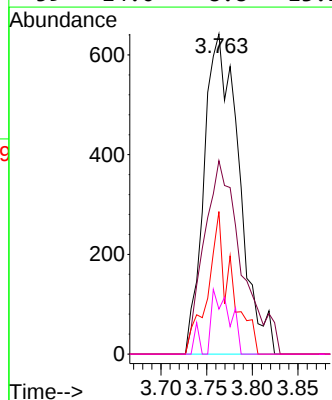
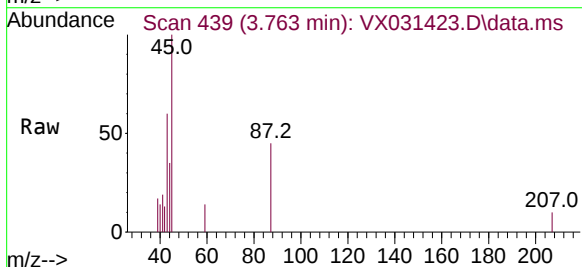


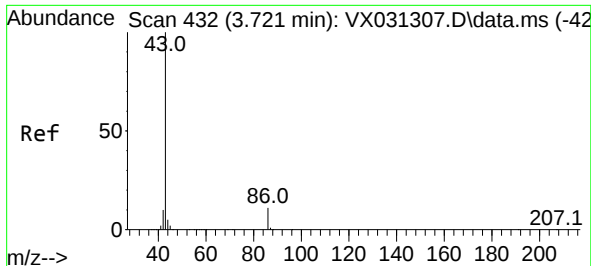
Tgt Ion:	84	Resp:	53
Ion	Ratio	Lower	Upper
84	100		
49	75.6	105.9	158.9#
51	91.1	32.2	48.2#
86	122.2	50.8	76.2#



#22
Diisopropyl ether
Concen: 0.329 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion:	45	Resp:	1710
Ion	Ratio	Lower	Upper
45	100		
43	60.4	59.0	88.6
87	44.5	22.6	33.8#
59	14.0	8.8	13.2#

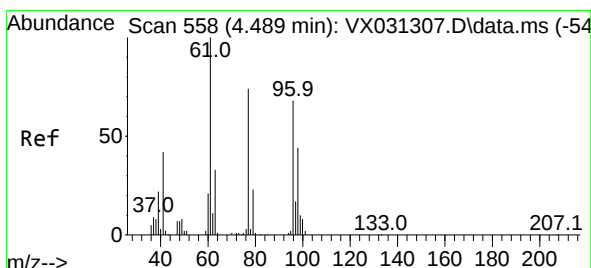
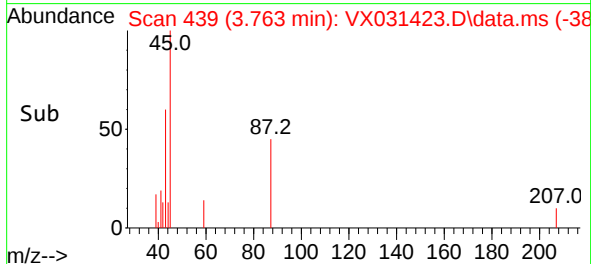
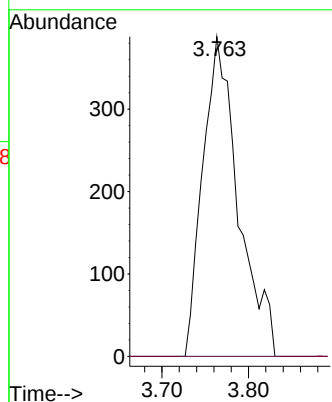
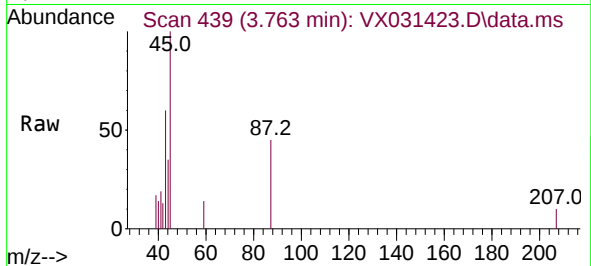




#23
 Vinyl Acetate
 Concen: 0.256 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX031423.D
 Acq: 16 Sep 2022 20:19

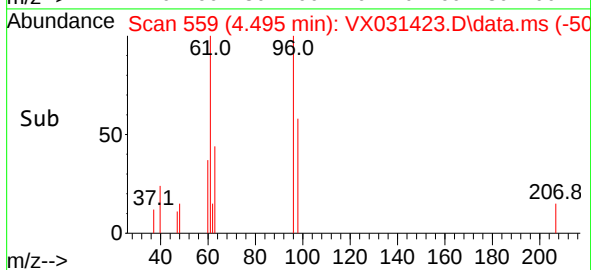
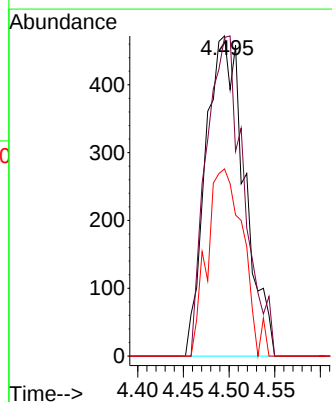
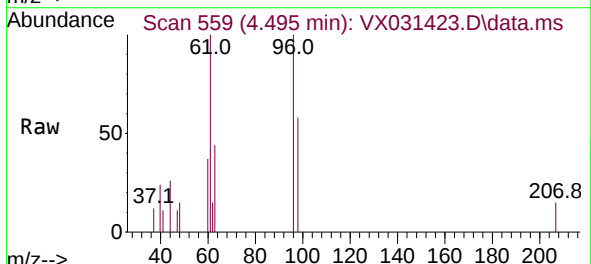
Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-06

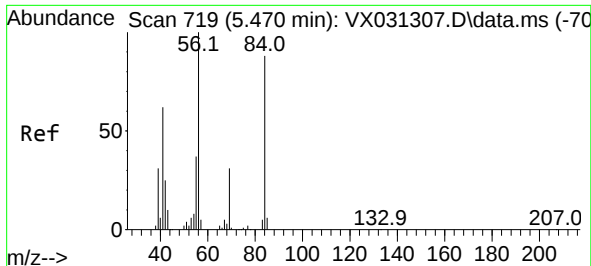
Tgt Ion: 43 Resp: 1107
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#27
 cis-1,2-Dichloroethene
 Concen: 0.844 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX031423.D
 Acq: 16 Sep 2022 20:19

Tgt Ion: 96 Resp: 1397
 Ion Ratio Lower Upper
 96 100
 61 96.1 0.0 305.2
 98 54.1 0.0 128.4

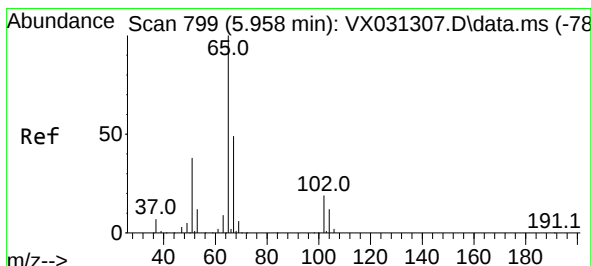
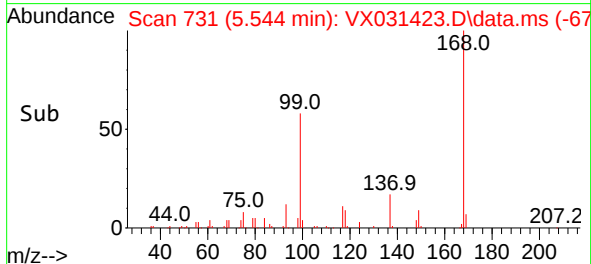
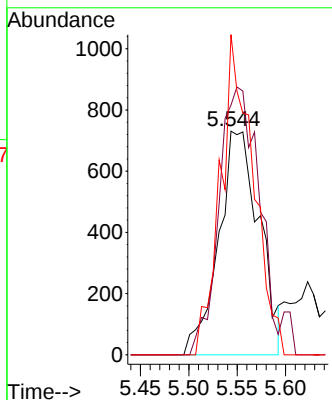
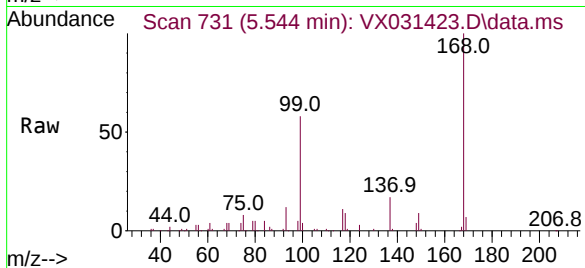




#31
Cyclohexane
Concen: 1.006 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

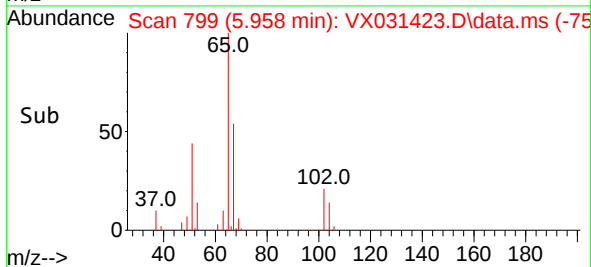
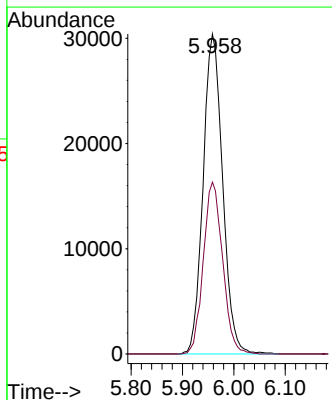
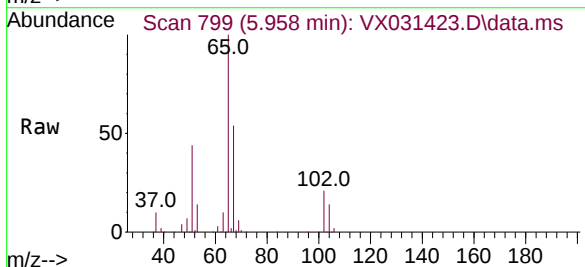
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

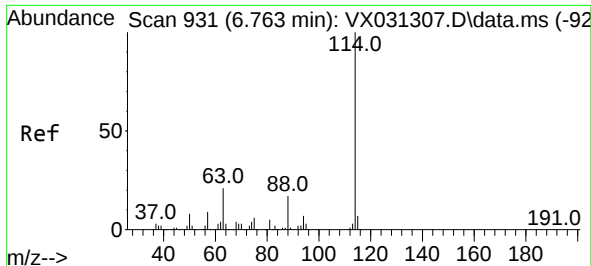
Tgt Ion: 56 Resp: 2136
Ion Ratio Lower Upper
56 100
69 111.6 25.1 37.7#
84 143.1 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 40.573 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 65 Resp: 80183
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.4

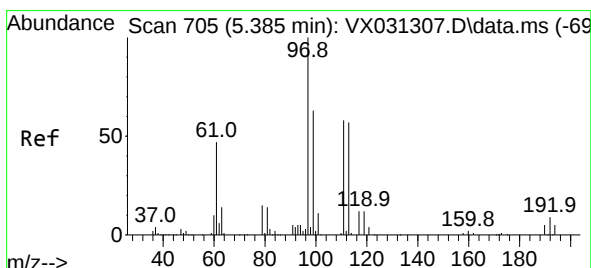
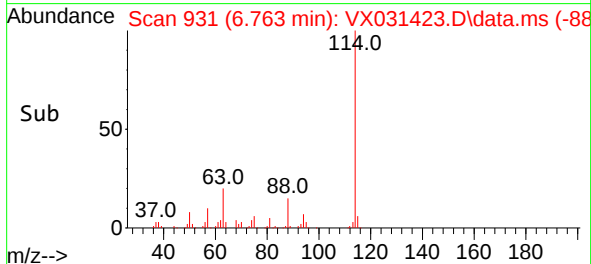
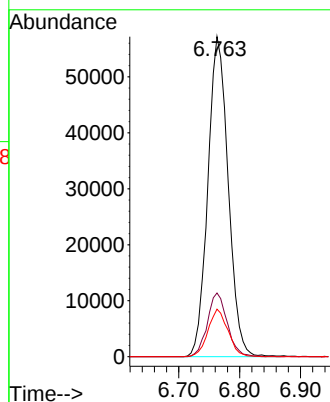
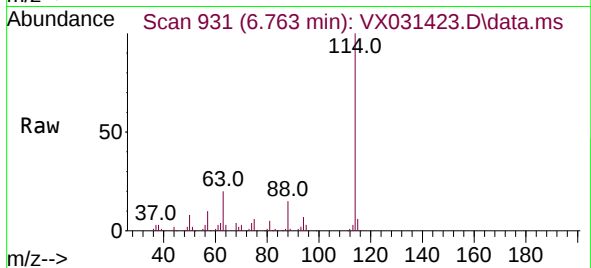




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

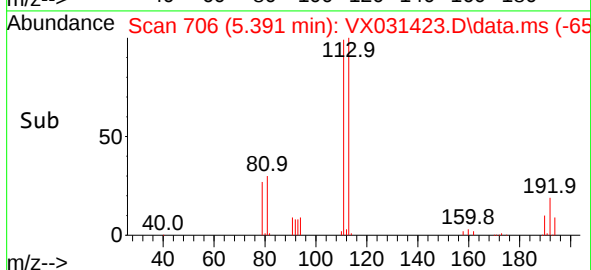
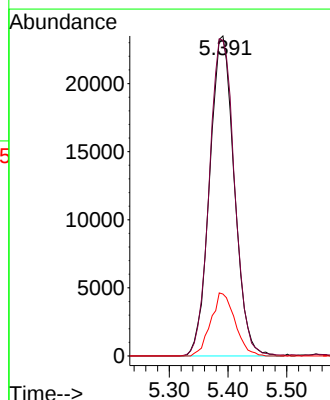
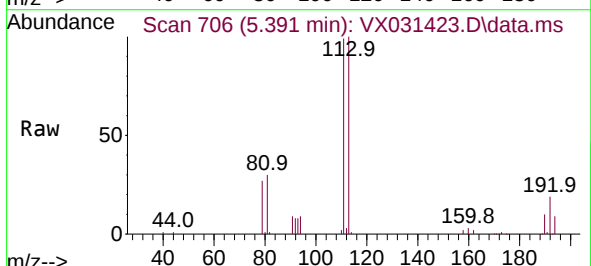
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

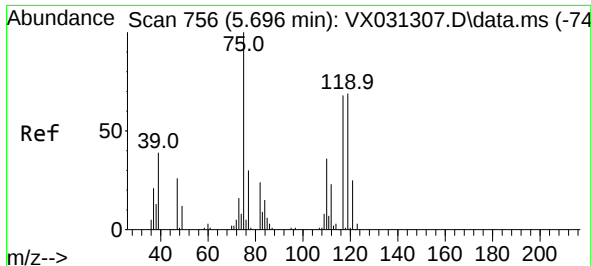
Tgt Ion:114 Resp: 132918
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 14.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.878 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion:113 Resp: 68407
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 19.3 14.1 21.1

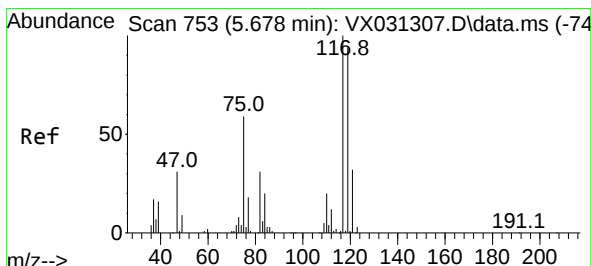
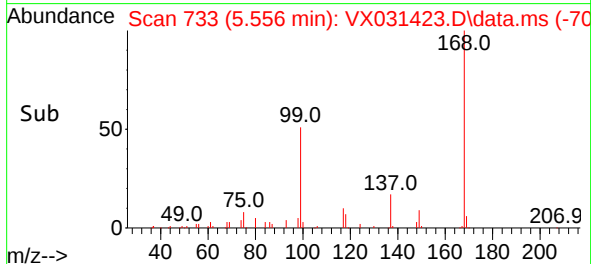
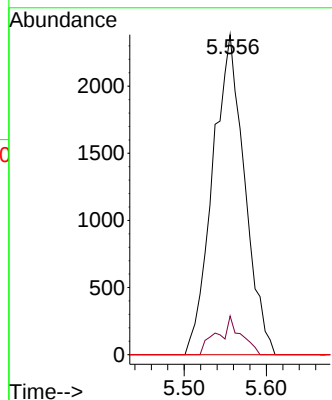
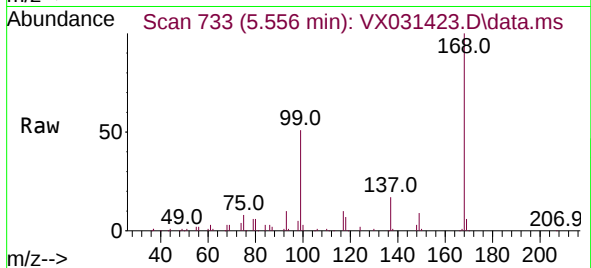




#36
1,1-Dichloropropene
Concen: 3.291 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

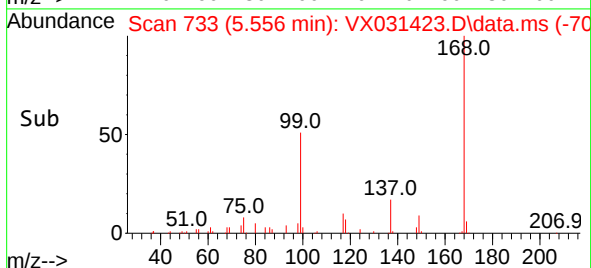
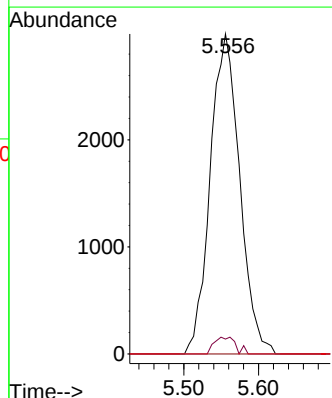
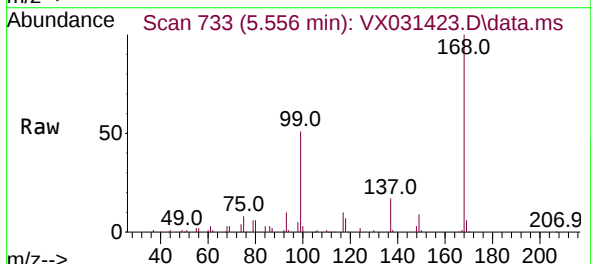
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

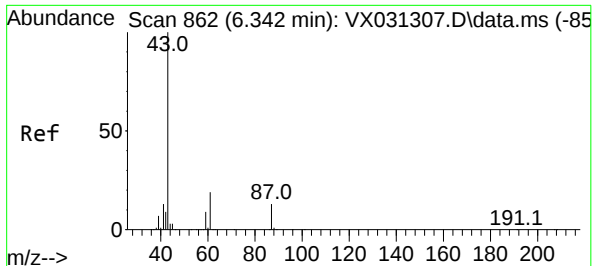
Tgt Ion: 75 Resp: 6436
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.859 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 117 Resp: 8204
Ion Ratio Lower Upper
117 100
119 4.7 74.6 112.0#
121 0.0 25.3 37.9#

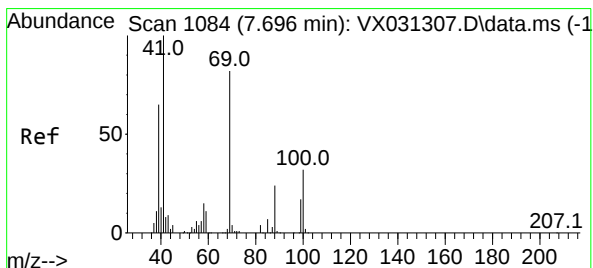
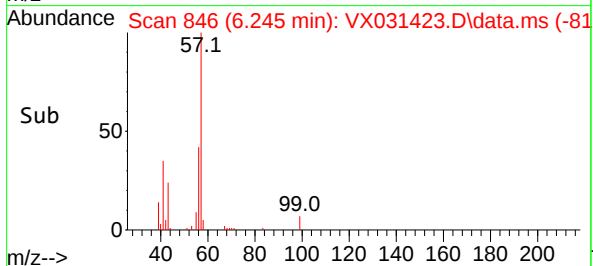
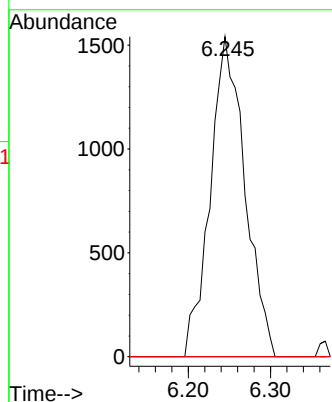
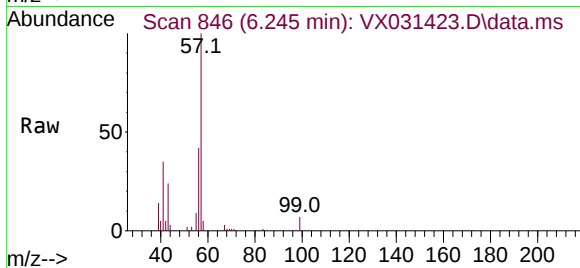




#43
Isopropyl Acetate
Concen: 1.029 ug/l
RT: 6.245 min Scan# 84
Delta R.T. -0.098 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

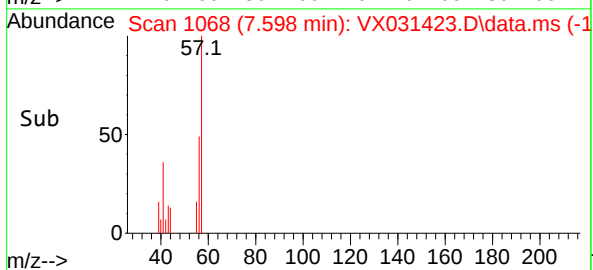
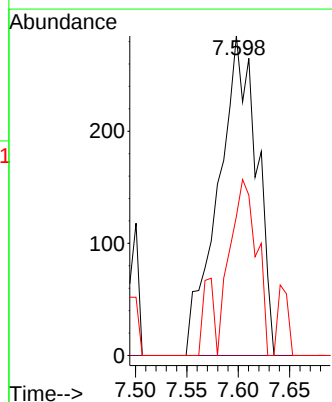
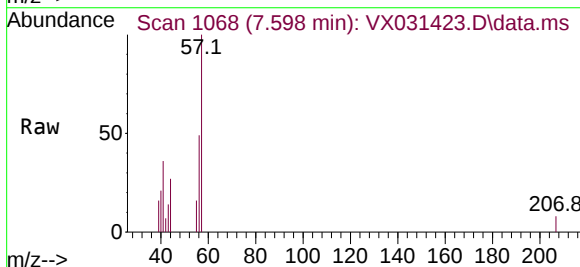
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

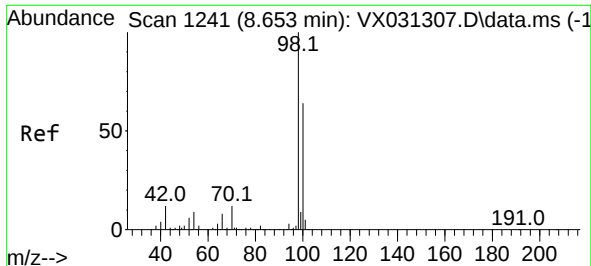
Tgt Ion: 43 Resp: 4515
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#



#48
Methyl methacrylate
Concen: 0.373 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 41 Resp: 744
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 38.2 51.4 77.0#

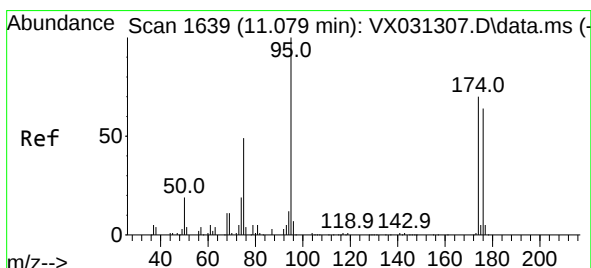
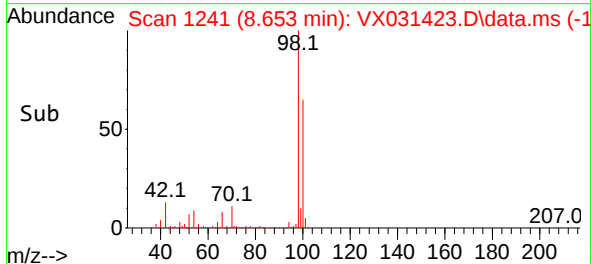
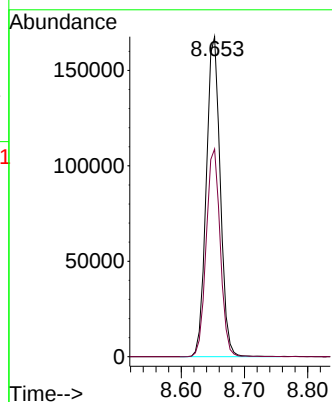
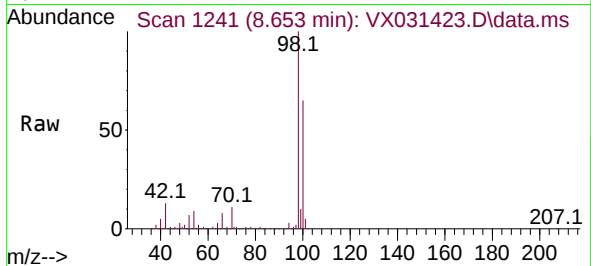




#50
Toluene-d8
Concen: 48.101 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

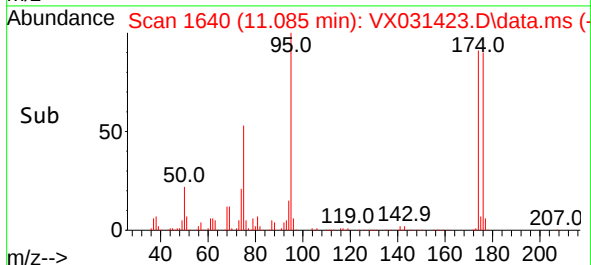
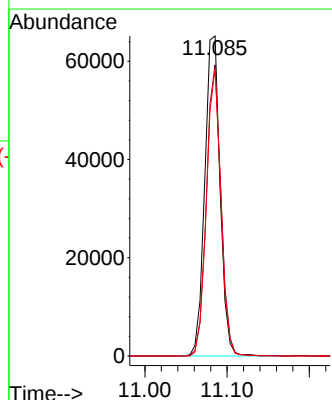
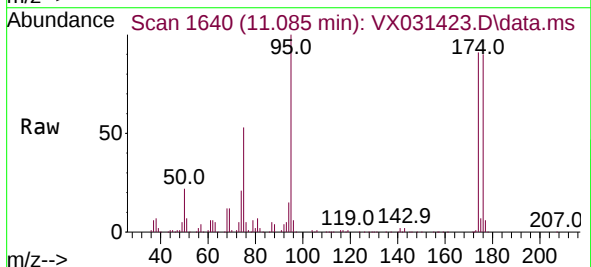
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

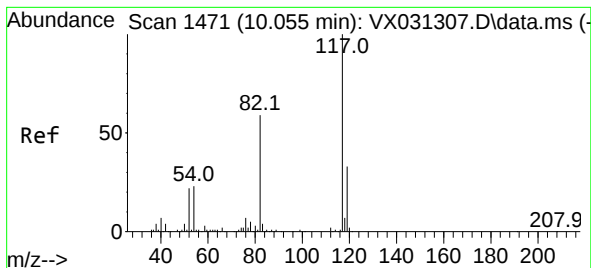
Tgt Ion: 98 Resp: 257796
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 42.829 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 95 Resp: 84057
Ion Ratio Lower Upper
95 100
174 86.9 0.0 153.2
176 84.9 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031423.D

Acq: 16 Sep 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

TOLL-MW-06

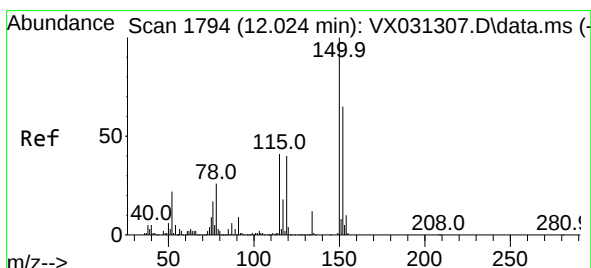
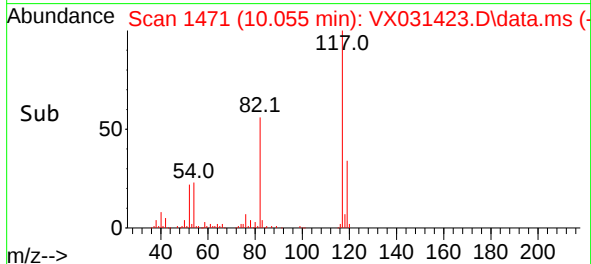
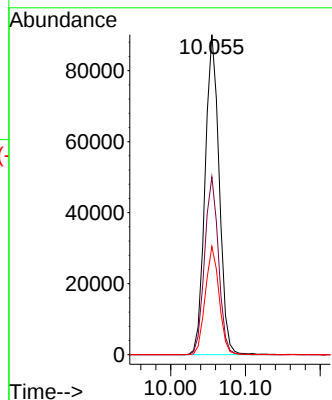
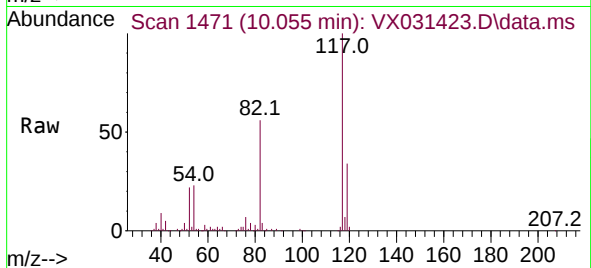
Tgt Ion:117 Resp: 118379

Ion Ratio Lower Upper

117 100

82 55.6 46.8 70.2

119 33.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031423.D

Acq: 16 Sep 2022 20:19

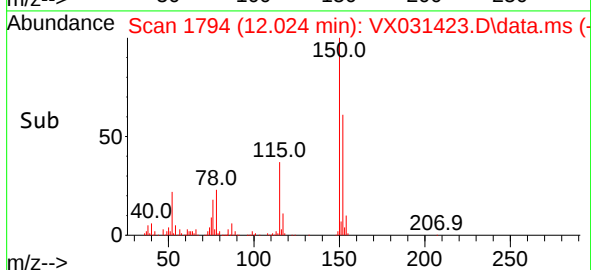
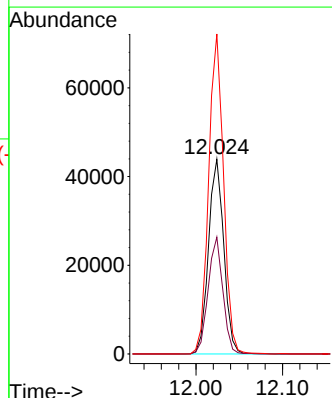
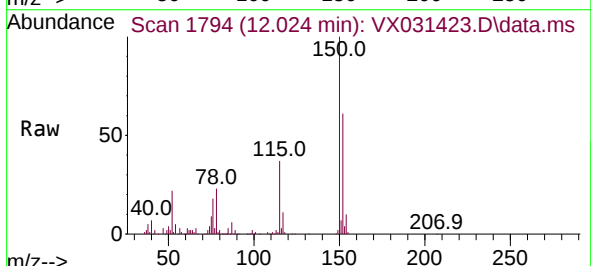
Tgt Ion:152 Resp: 53822

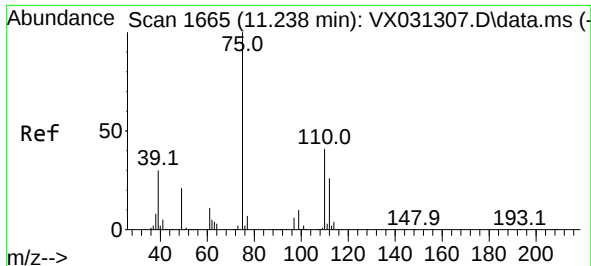
Ion Ratio Lower Upper

152 100

115 57.8 43.4 130.1

150 160.0 0.0 346.8

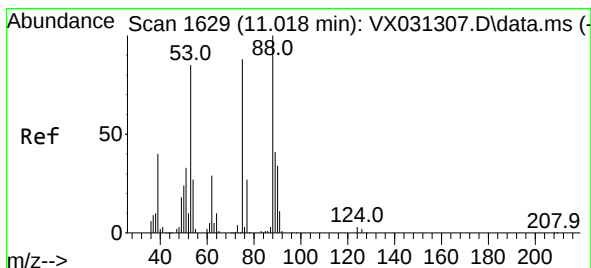
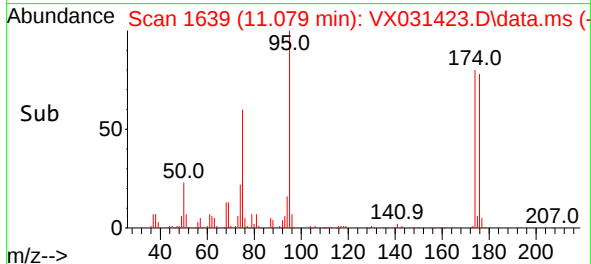
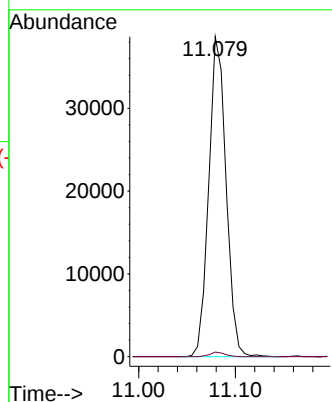
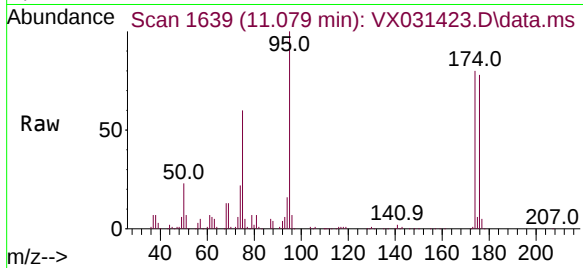




#76
1,2,3-Trichloropropane
Concen: 35.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-06

Tgt Ion: 75 Resp: 48194
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031423.D
Acq: 16 Sep 2022 20:19

Tgt Ion: 75 Resp: 48194
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

