

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031421.D
 Acq On : 16 Sep 2022 19:32
 Operator : JC/MD
 Sample : N4645-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-04

Quant Time: Sep 17 02:08:13 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)

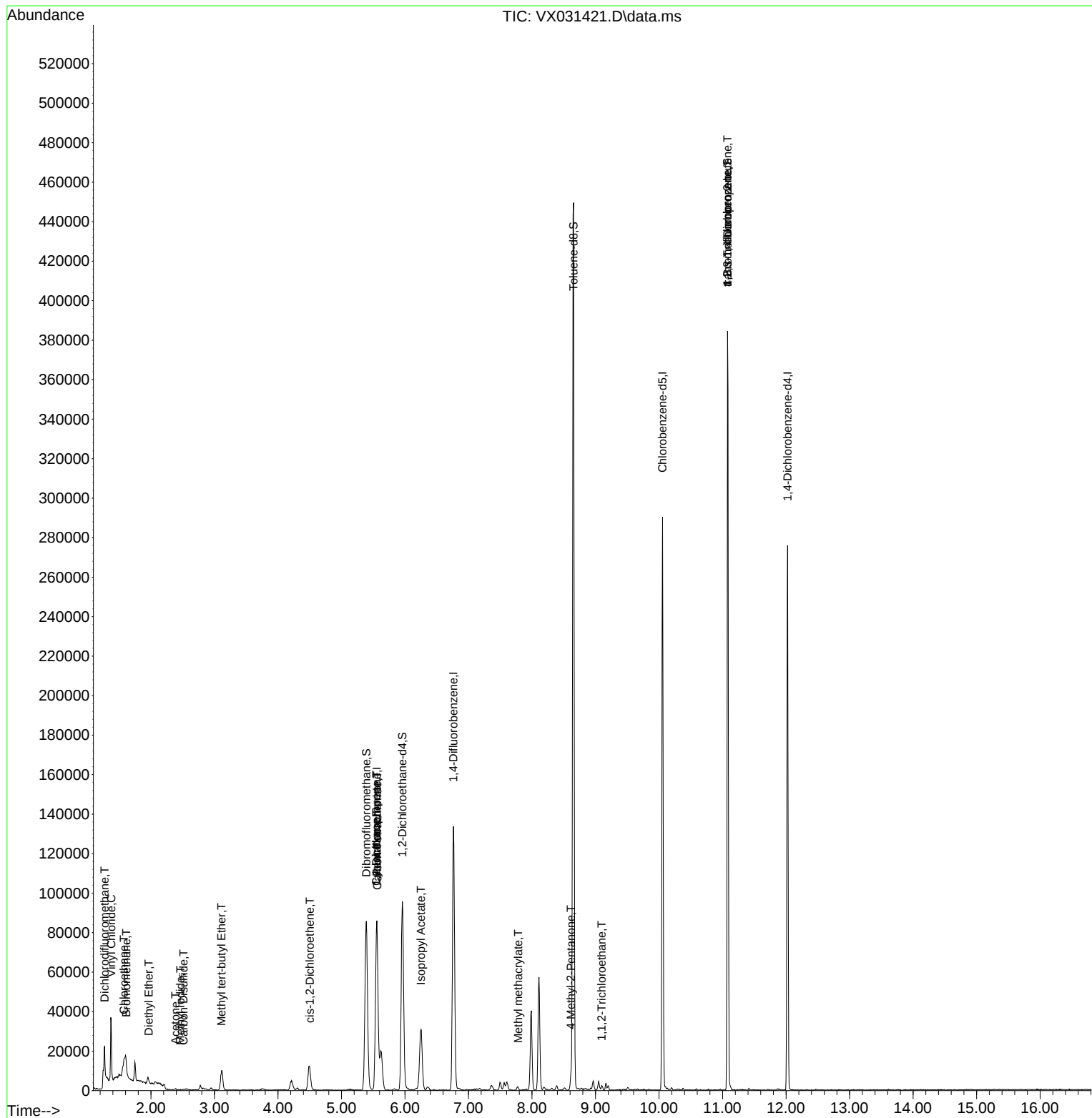
Internal Standards						
1) Pentafluorobenzene	5.556	168	81035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85086	42.778	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.560%
35) Dibromofluoromethane	5.391	113	70880	48.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.653	98	266645	48.870	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.079	95	87019	43.553	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	1081	1.235	ug/l	96
3) Chloromethane	1.264	50	480	Below Cal	#	41
4) Vinyl Chloride	1.374	62	10549	7.451	ug/l	100
5) Bromomethane	1.612	94	594	0.559	ug/l	84
6) Chloroethane	1.575	64	3795	3.398	ug/l	# 55
8) Diethyl Ether	1.965	74	22	0.547	ug/l	# 1
10) Methyl Iodide	2.465	142	155	1.025	ug/l	# 38
11) Tert butyl alcohol	2.941	59	695	Below Cal	#	73
16) Acetone	2.386	43	615	0.724	ug/l	90
17) Carbon Disulfide	2.514	76	445	1.041	ug/l	# 75
19) Methyl tert-butyl Ether	3.111	73	10073	1.923	ug/l	# 80
20) Methylene Chloride	2.782	84	108	Below Cal	#	73
21) trans-1,2-Dichloroethene	3.099	96	297	Below Cal	#	68
27) cis-1,2-Dichloroethene	4.501	96	8189	4.914	ug/l	78
31) Cyclohexane	5.550	56	2139	1.001	ug/l	# 65
36) 1,1-Dichloropropene	5.550	75	6517	3.273	ug/l	# 50
38) Carbon Tetrachloride	5.562	117	8287	3.829	ug/l	# 15
43) Isopropyl Acetate	6.251	43	7998	1.791	ug/l	# 61
48) Methyl methacrylate	7.781	41	451	0.222	ug/l	# 51
51) 4-Methyl-2-Pentanone	8.610	43	948	0.349	ug/l	# 37
55) 1,1,2-Trichloroethane	9.098	97	770	0.482	ug/l	# 19
76) 1,2,3-Trichloropropane	11.079	75	50134	35.770	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	50134	98.975	ug/l	# 11

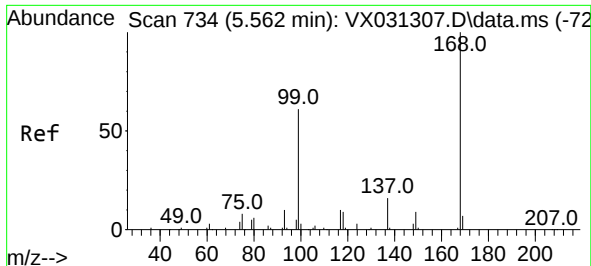
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
Data File : VX031421.D
Acq On : 16 Sep 2022 19:32
Operator : JC/MD
Sample : N4645-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

Quant Time: Sep 17 02:08:13 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

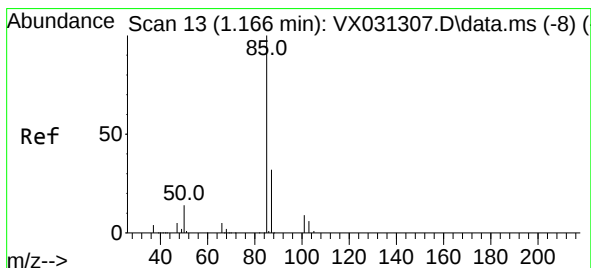
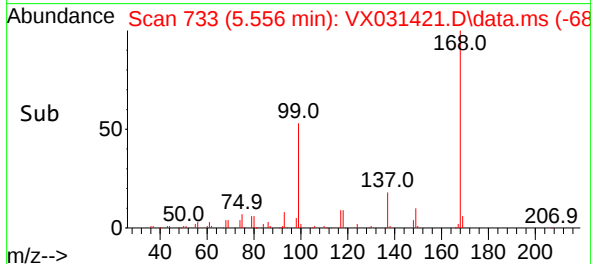
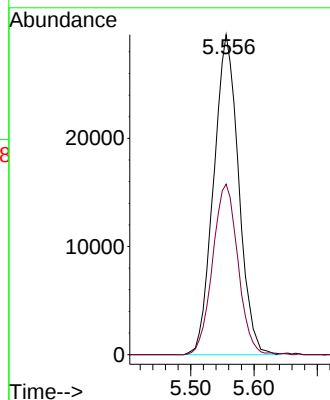
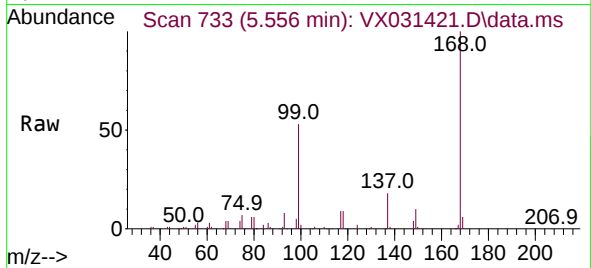




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

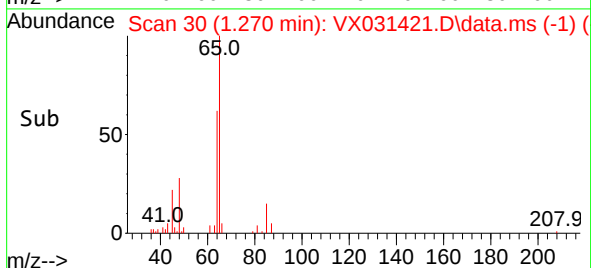
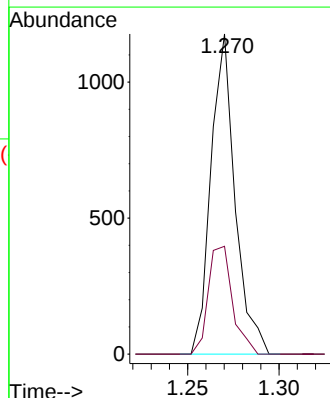
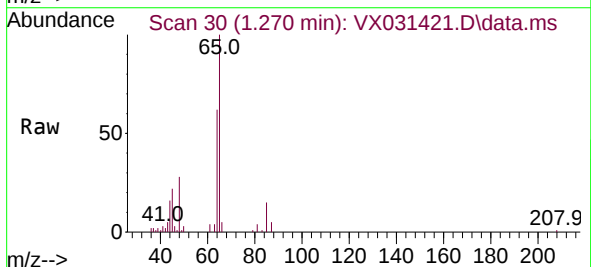
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

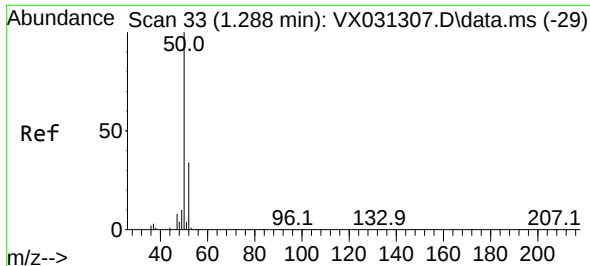
Tgt Ion:168 Resp: 81035
Ion Ratio Lower Upper
168 100
99 53.3 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 1.235 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 85 Resp: 1081
Ion Ratio Lower Upper
85 100
87 33.6 15.8 47.4

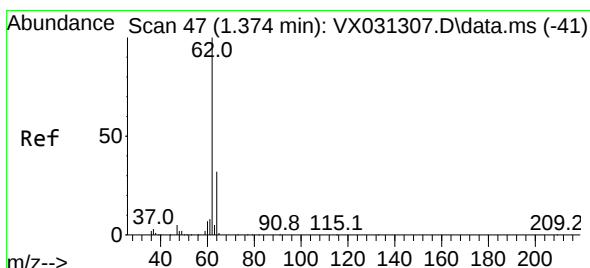
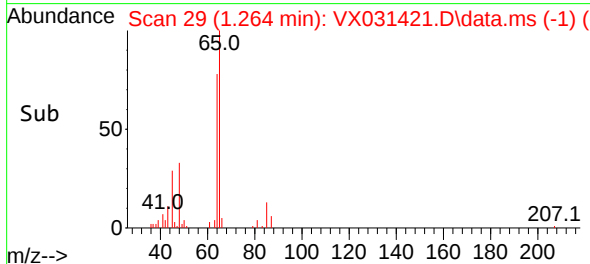
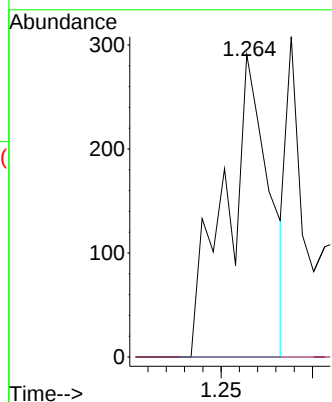
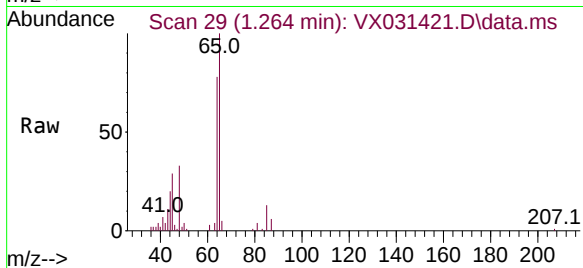




#3
Chloromethane
Concen: Below Cal
RT: 1.264 min Scan# 29
Delta R.T. -0.024 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

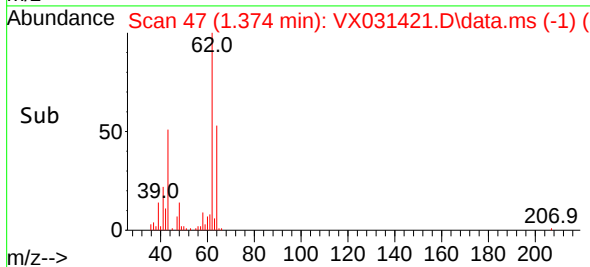
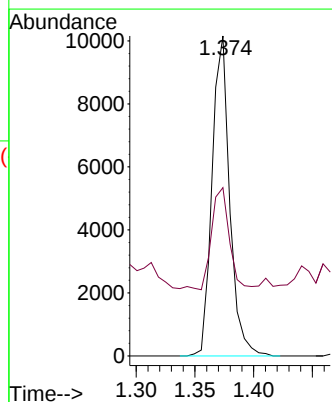
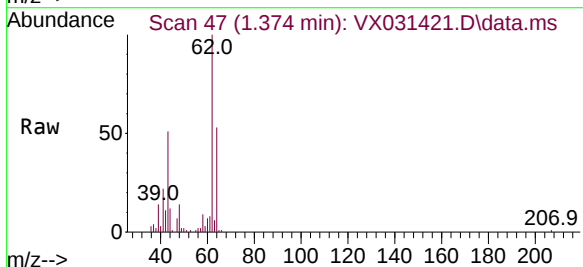
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

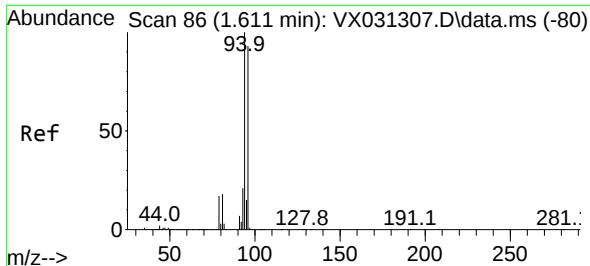
Tgt Ion: 50 Resp: 480
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#4
Vinyl Chloride
Concen: 7.451 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 62 Resp: 10549
Ion Ratio Lower Upper
62 100
64 31.5 25.3 37.9

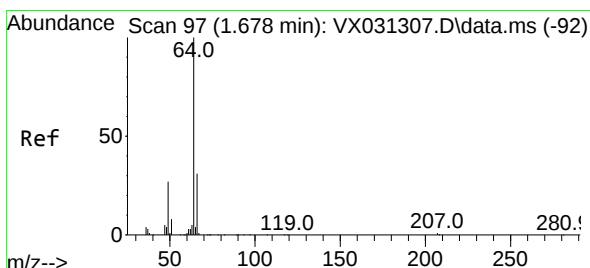
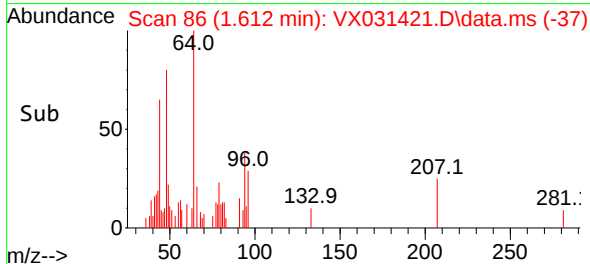
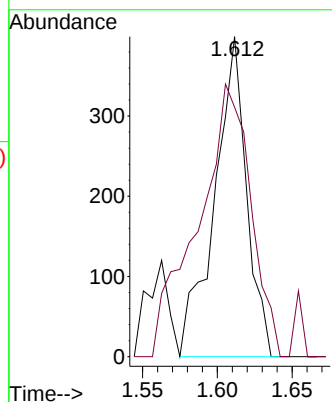
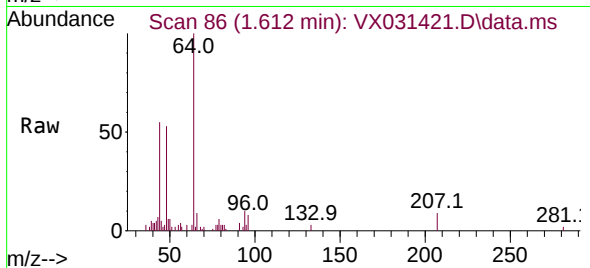




#5
Bromomethane
Concen: 0.559 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

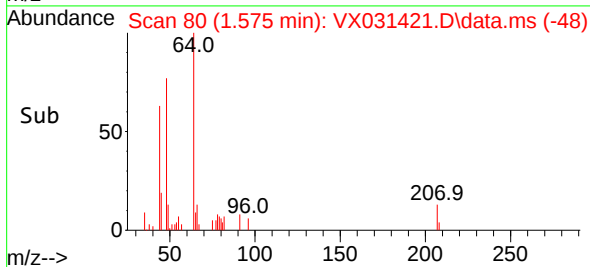
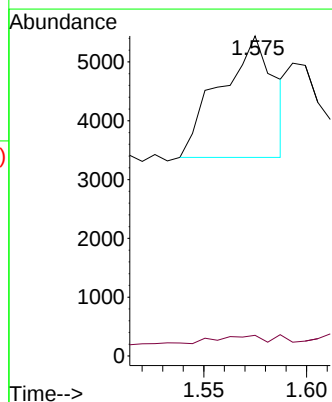
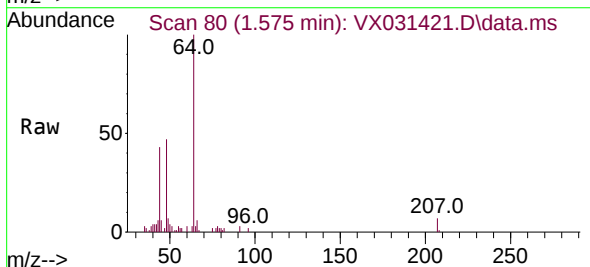
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

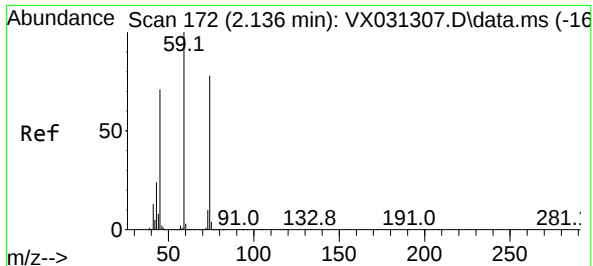
Tgt Ion: 94 Resp: 594
Ion Ratio Lower Upper
94 100
96 77.9 74.4 111.6



#6
Chloroethane
Concen: 3.398 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.103 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 64 Resp: 3795
Ion Ratio Lower Upper
64 100
66 6.3 25.0 37.4#

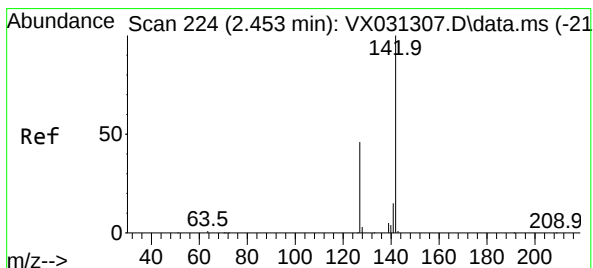
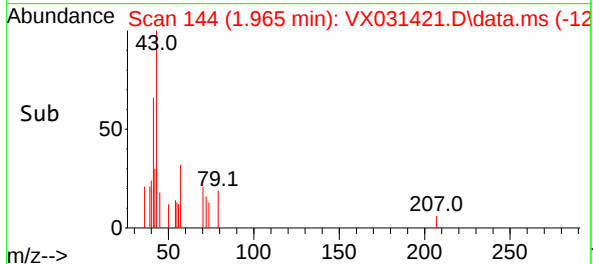
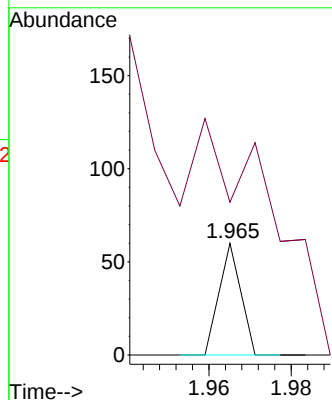
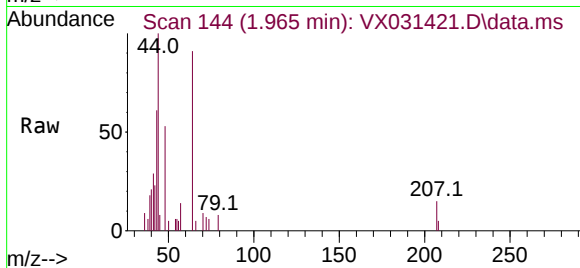




#8
Diethyl Ether
Concen: 0.547 ug/l
RT: 1.965 min Scan# 14
Delta R.T. -0.171 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

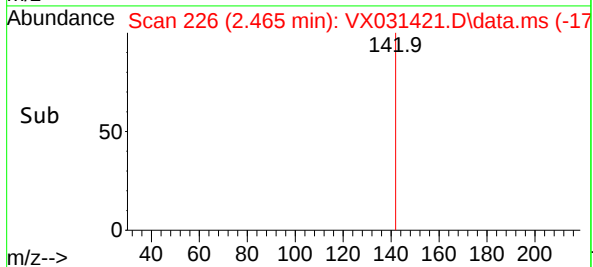
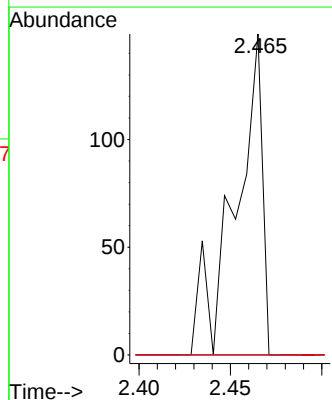
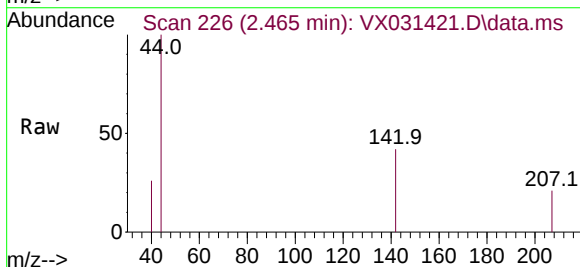
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

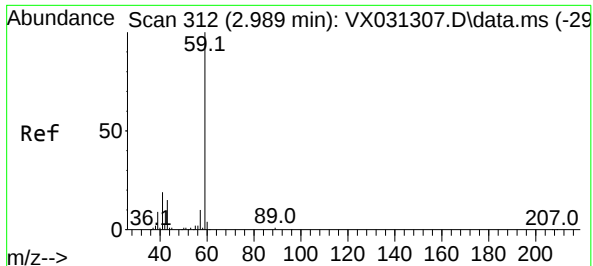
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#



#10
Methyl Iodide
Concen: 1.025 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 142 Resp: 155
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#

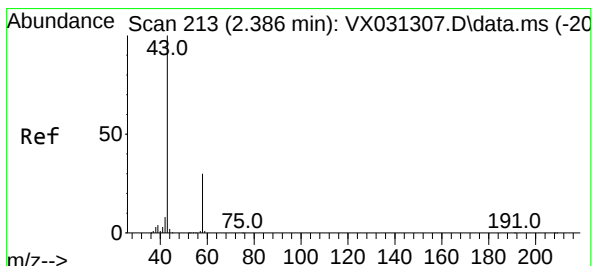
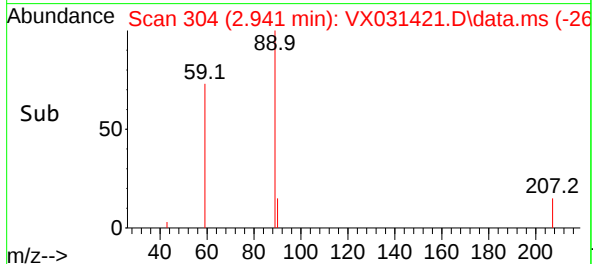
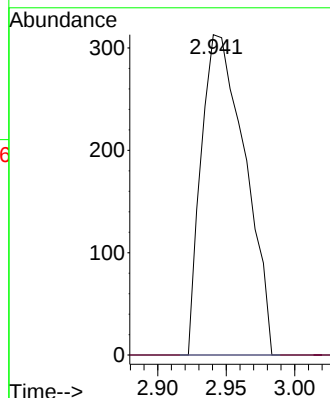
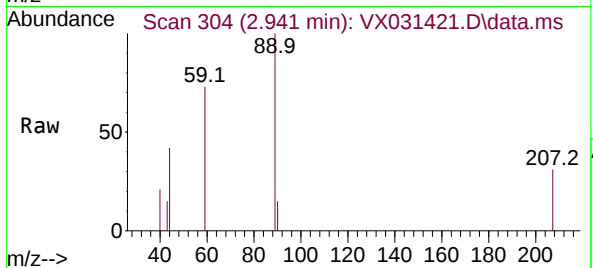




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

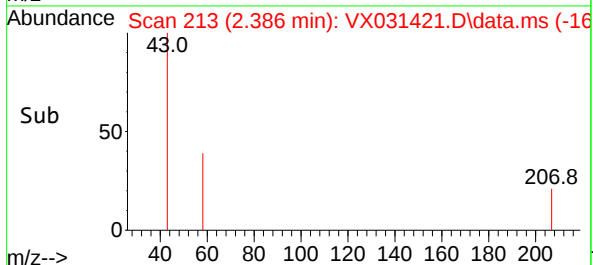
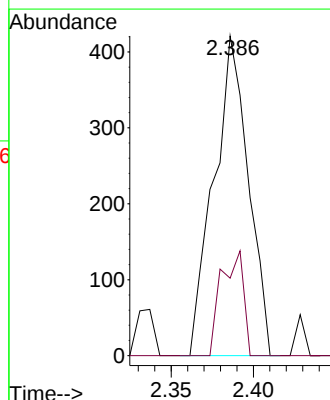
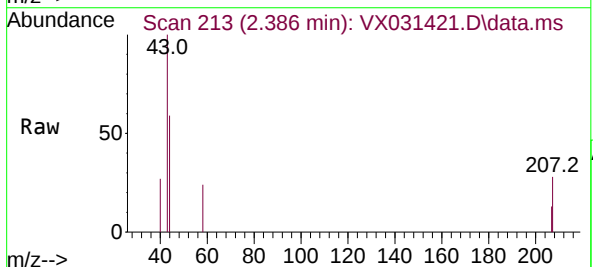
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

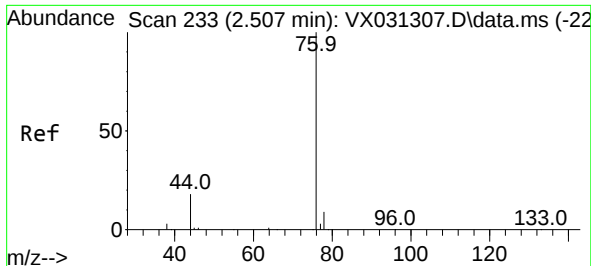
Tgt Ion: 59 Resp: 695
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 0.724 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 24.2 23.8 35.8





#17

Carbon Disulfide

Concen: 1.041 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX031421.D

Acq: 16 Sep 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

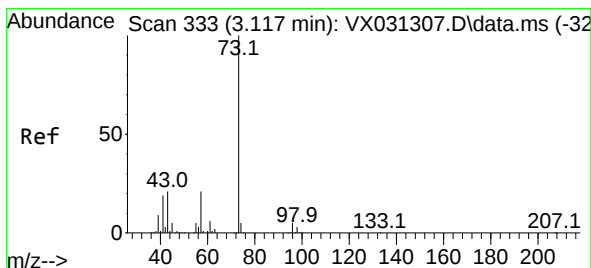
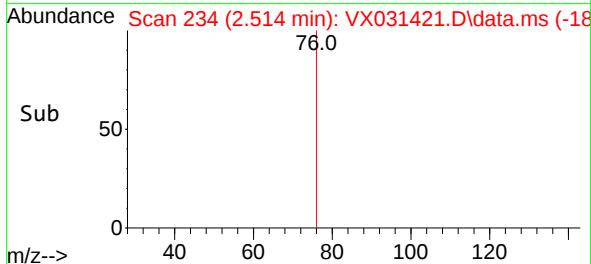
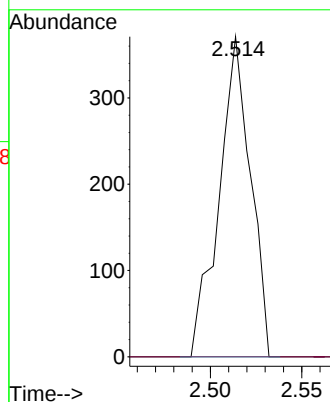
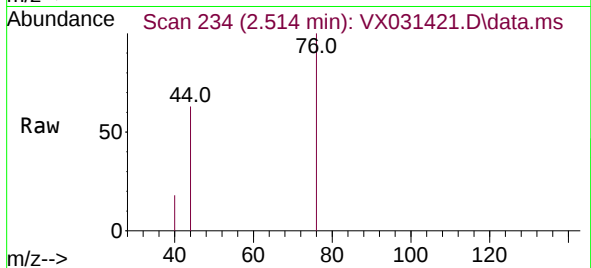
TOLL-MW-04

Tgt Ion: 76 Resp: 445

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 1.923 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX031421.D

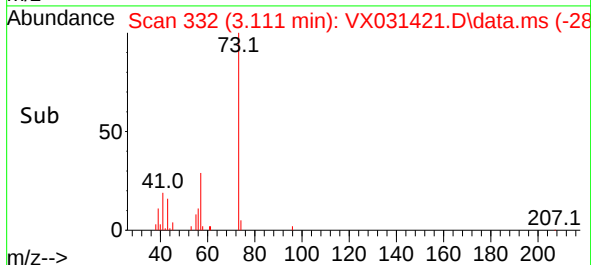
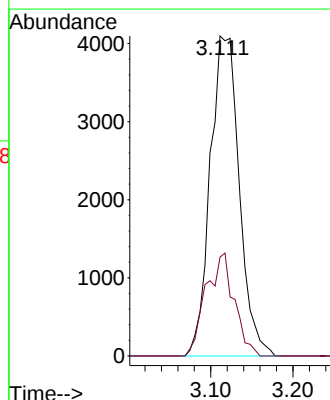
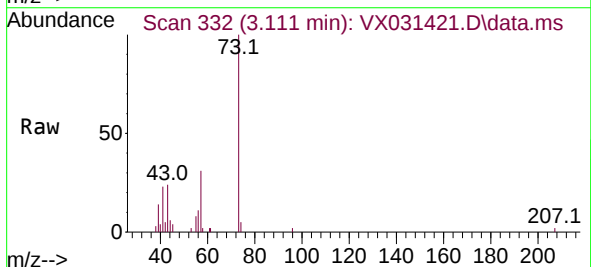
Acq: 16 Sep 2022 19:32

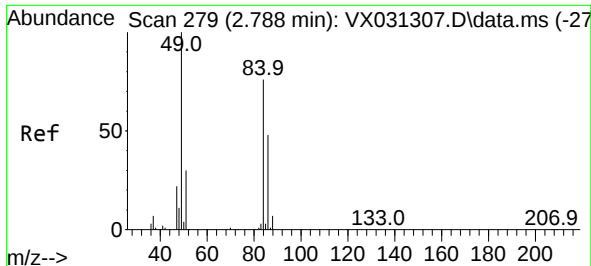
Tgt Ion: 73 Resp: 10073

Ion Ratio Lower Upper

73 100

57 30.9 17.2 25.8#

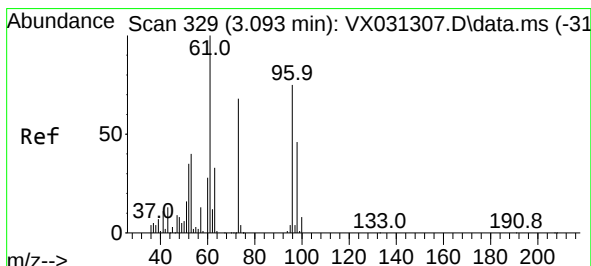
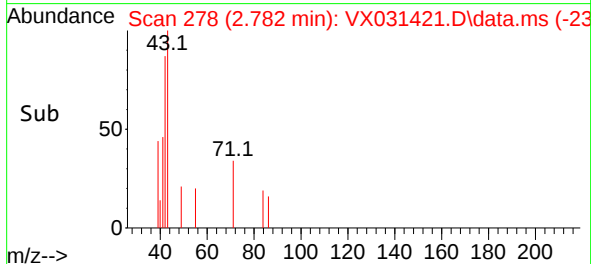
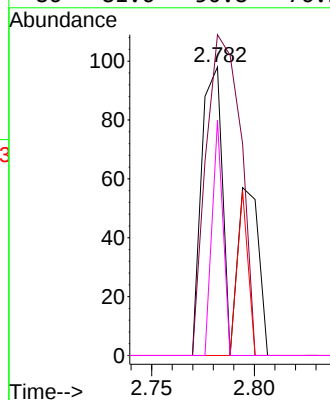
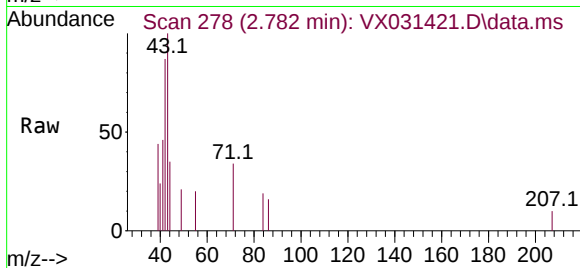




#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

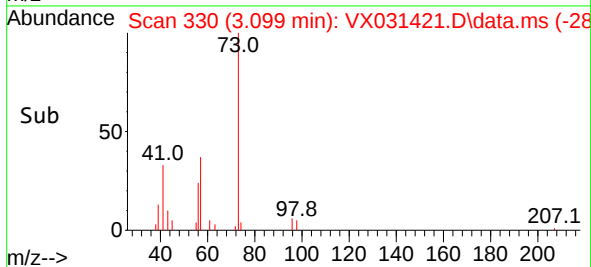
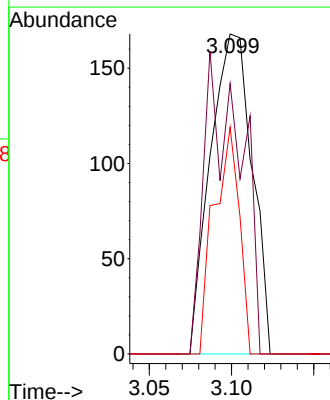
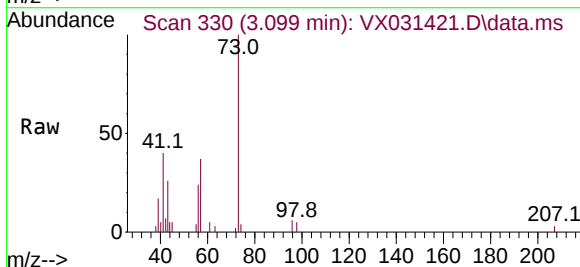
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

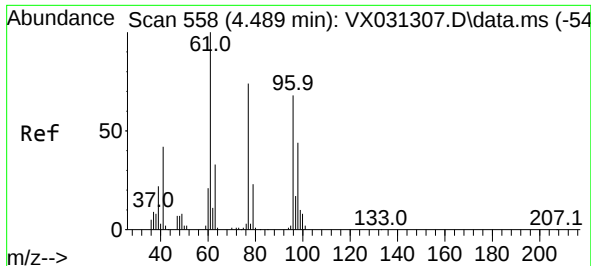
Tgt Ion:	84	Resp:	108
Ion	Ratio	Lower	Upper
84	100		
49	111.2	105.9	158.9
51	0.0	32.2	48.2#
86	81.6	50.8	76.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion:	96	Resp:	297
Ion	Ratio	Lower	Upper
96	100		
61	84.5	106.7	160.1#
98	70.8	48.7	73.1

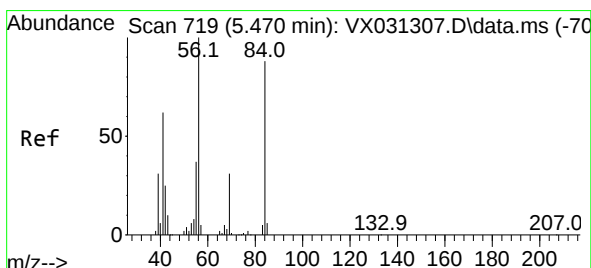
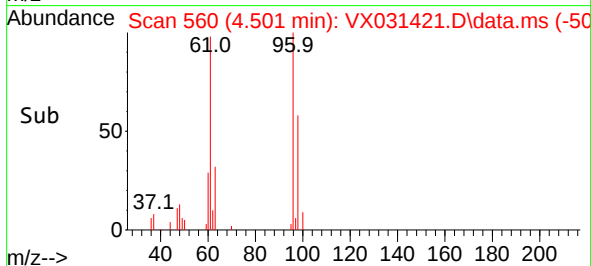
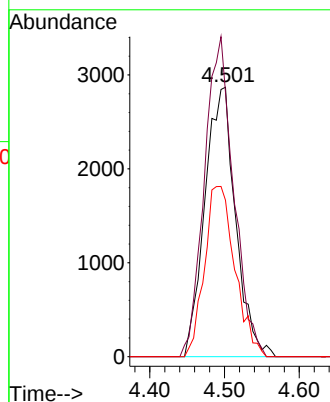
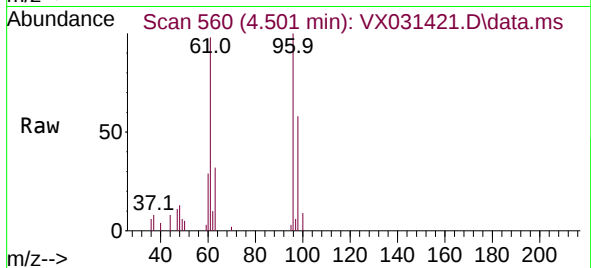




#27
 cis-1,2-Dichloroethene
 Concen: 4.914 ug/l
 RT: 4.501 min Scan# 501
 Delta R.T. 0.012 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

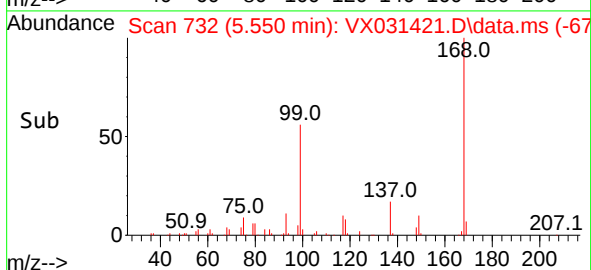
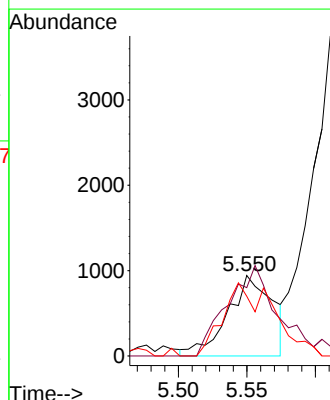
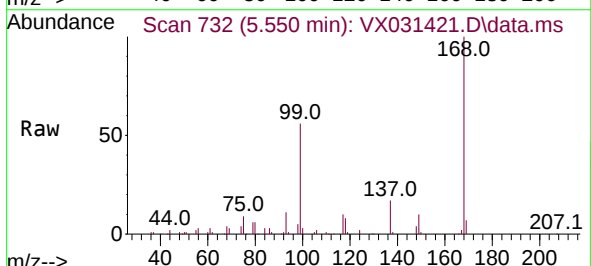
Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-04

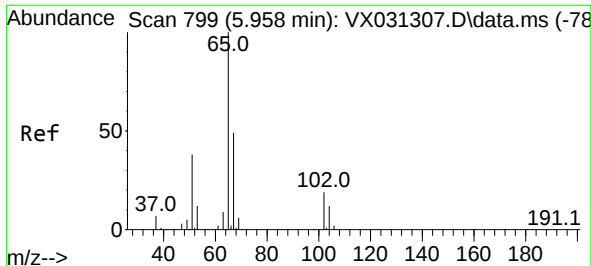
Tgt Ion:	96	Resp:	8189
Ion	Ratio	Lower	Upper
96	100		
61	113.2	0.0	305.2
98	62.6	0.0	128.4



#31
 Cyclohexane
 Concen: 1.001 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

Tgt Ion:	56	Resp:	2139
Ion	Ratio	Lower	Upper
56	100		
69	92.4	25.1	37.7#
84	80.7	70.2	105.4

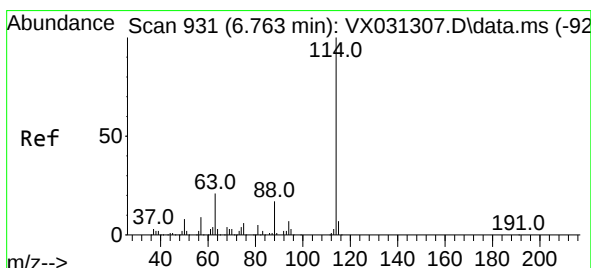
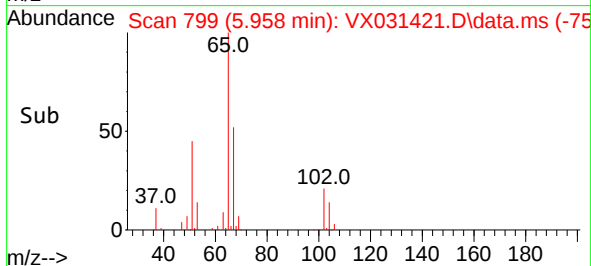
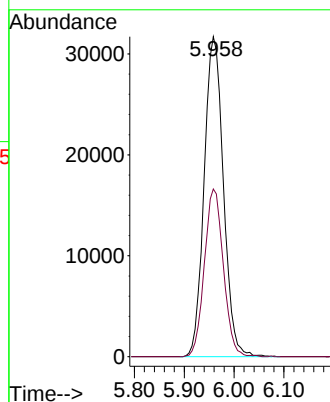
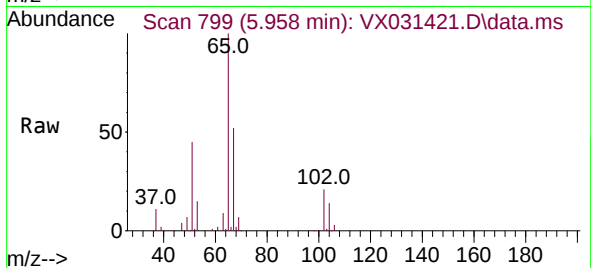




#33
 1,2-Dichloroethane-d4
 Concen: 42.778 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

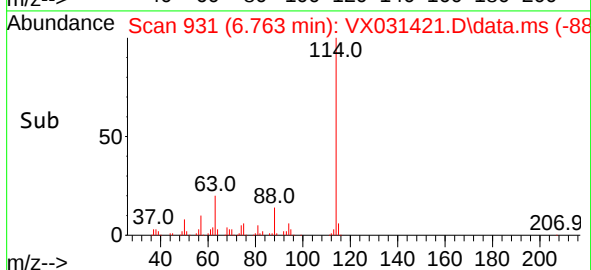
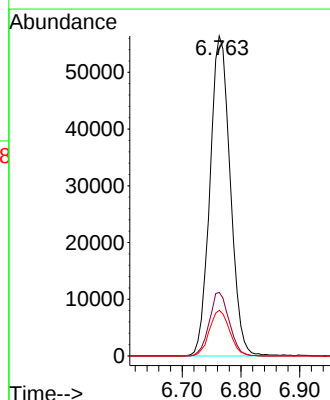
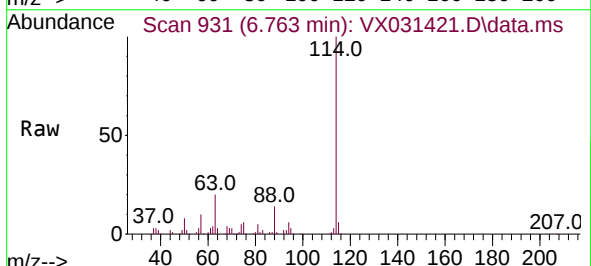
Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-04

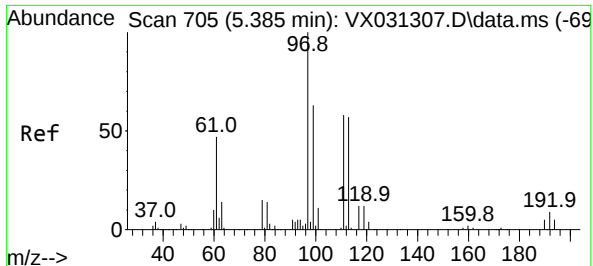
Tgt Ion: 65 Resp: 85086
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

Tgt Ion: 114 Resp: 135315
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 14.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031421.D

Acq: 16 Sep 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

TOLL-MW-04

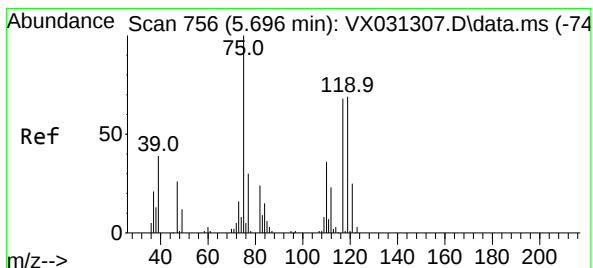
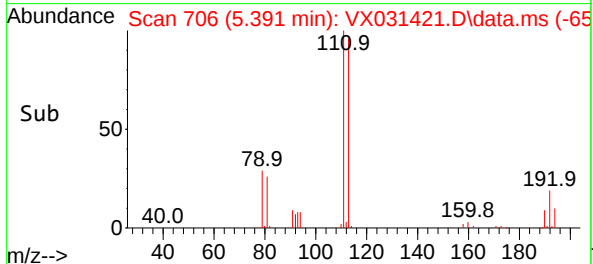
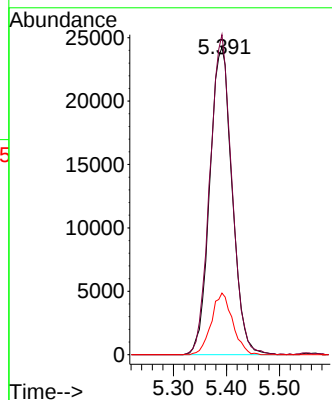
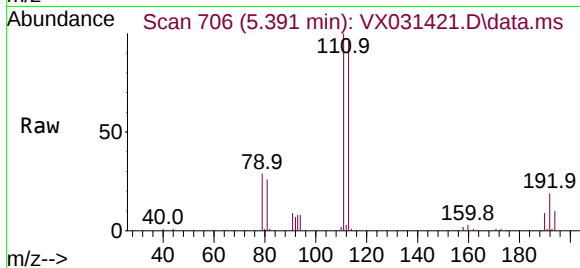
Tgt Ion:113 Resp: 70880

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 19.1 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.273 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031421.D

Acq: 16 Sep 2022 19:32

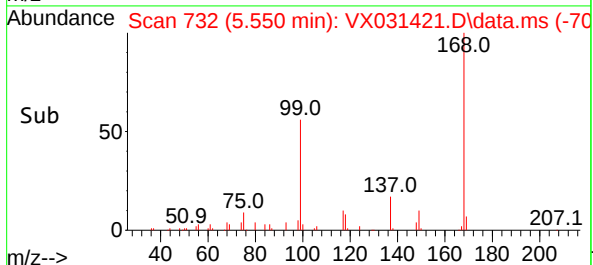
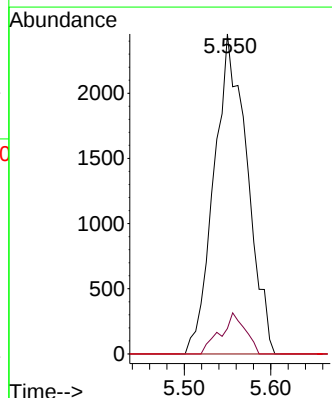
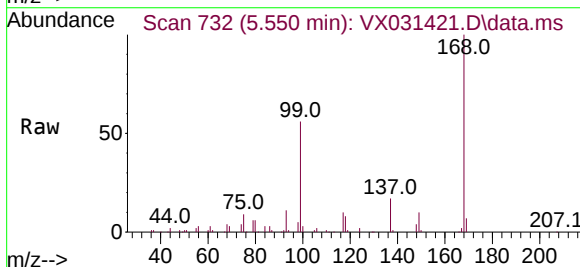
Tgt Ion: 75 Resp: 6517

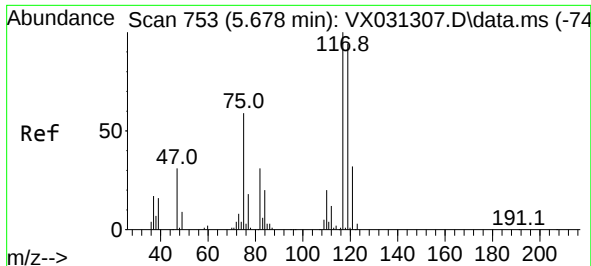
Ion Ratio Lower Upper

75 100

110 9.6 17.5 52.5#

77 0.0 24.9 37.3#

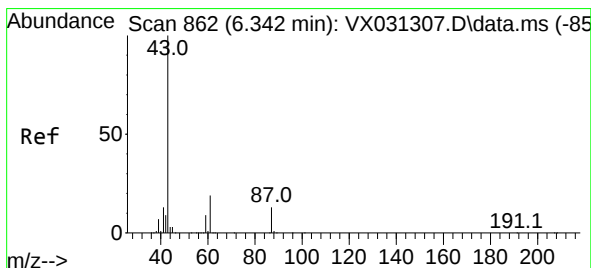
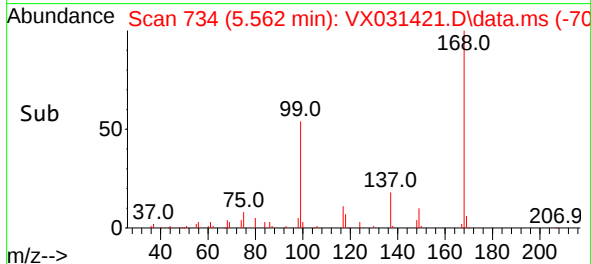
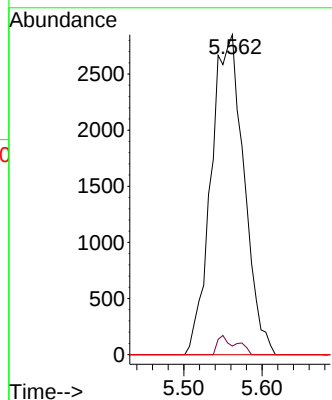
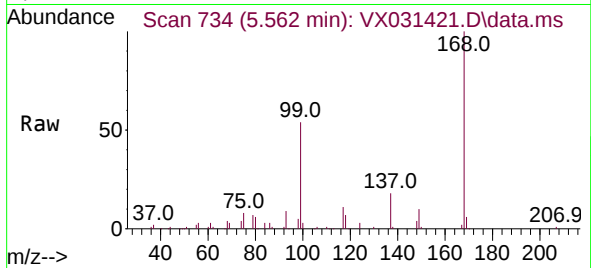




#38
Carbon Tetrachloride
Concen: 3.829 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

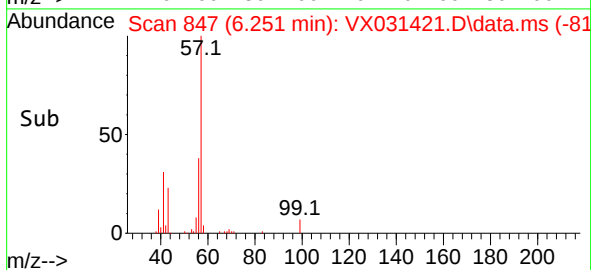
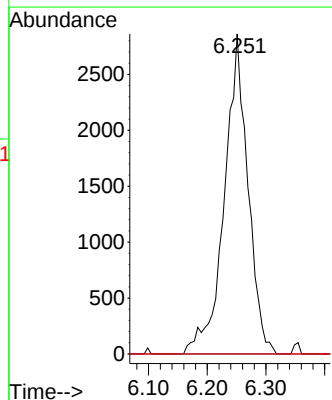
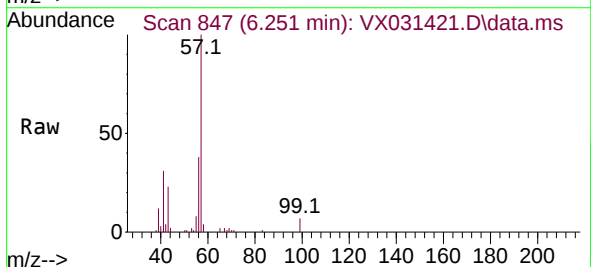
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

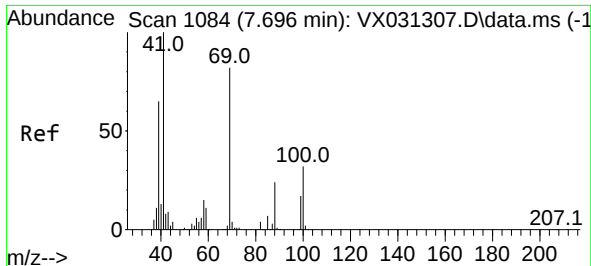
Tgt Ion: 117 Resp: 8287
Ion Ratio Lower Upper
117 100
119 2.7 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 1.791 ug/l
RT: 6.251 min Scan# 847
Delta R.T. -0.091 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 43 Resp: 7998
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#

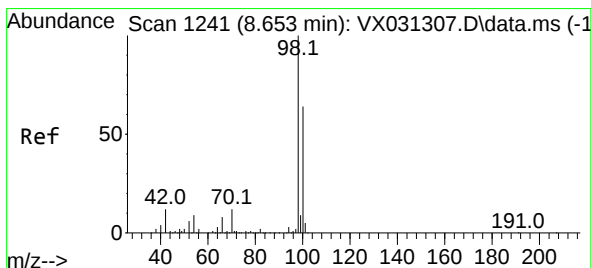
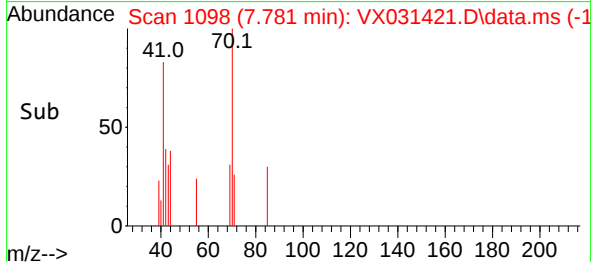
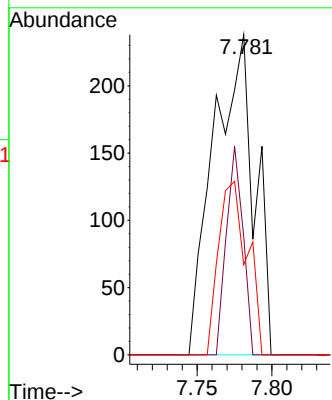
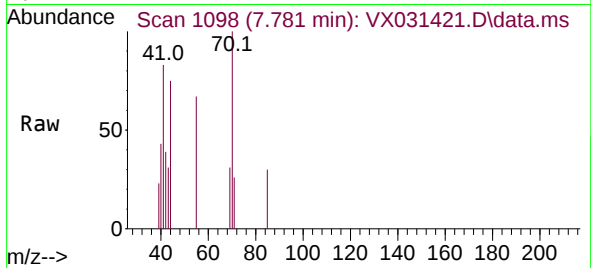




#48
Methyl methacrylate
Concen: 0.222 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.086 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

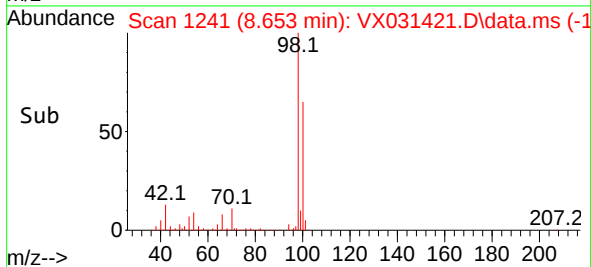
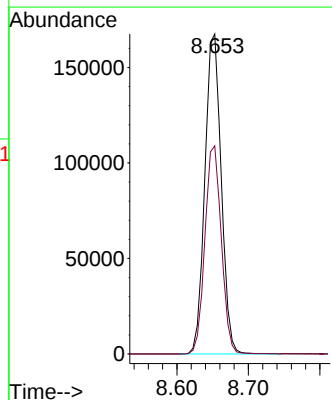
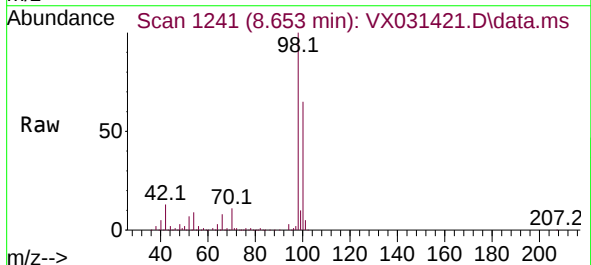
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

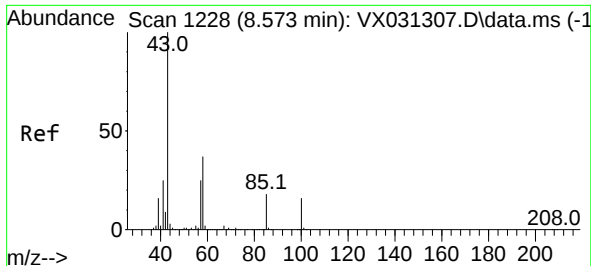
Tgt Ion: 41 Resp: 451
Ion Ratio Lower Upper
41 100
69 26.6 64.6 96.8#
39 38.1 51.4 77.0#



#50
Toluene-d8
Concen: 48.870 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 98 Resp: 266645
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

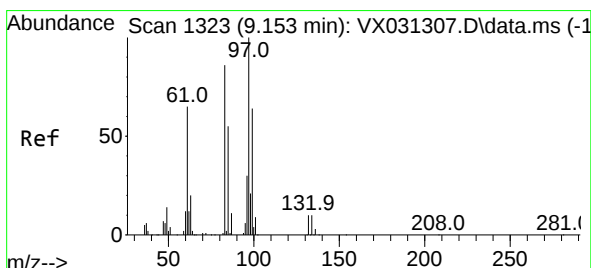
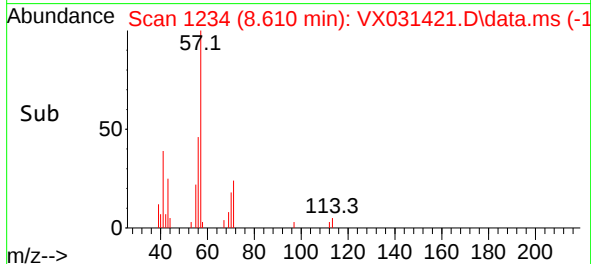
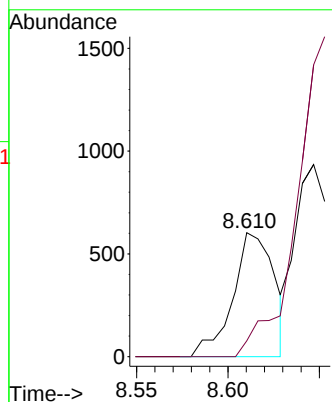
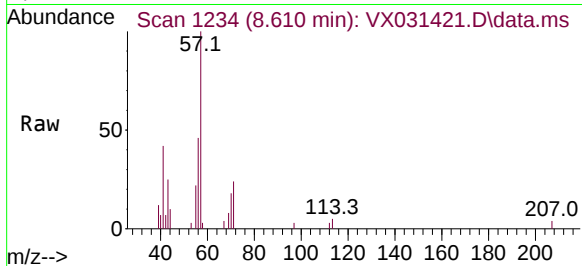




#51
4-Methyl-2-Pentanone
Concen: 0.349 ug/l
RT: 8.610 min Scan# 1314
Delta R.T. 0.037 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

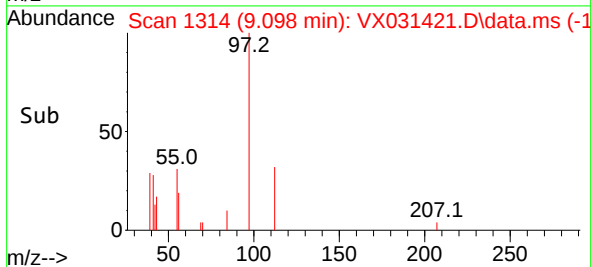
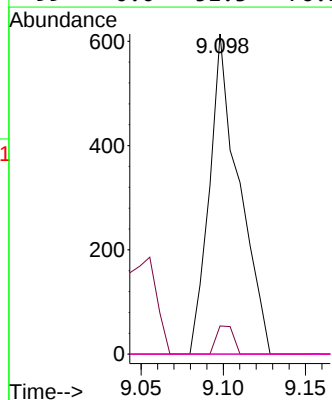
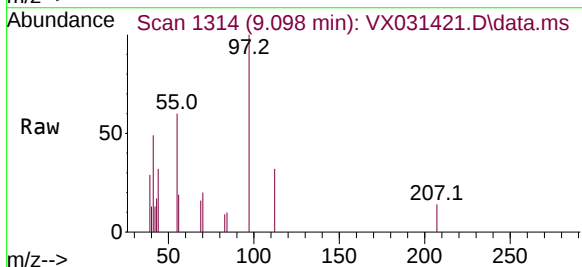
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

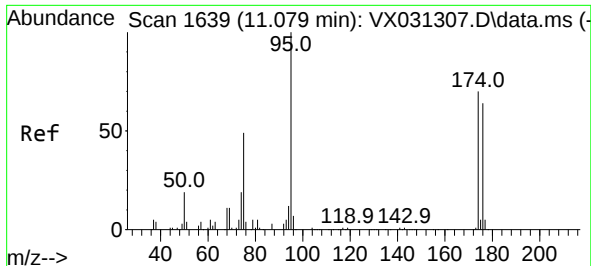
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 0.482 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 97 Resp: 770
Ion Ratio Lower Upper
97 100
83 8.8 69.0 103.6#
85 0.0 44.1 66.1#
99 0.0 51.3 76.9#

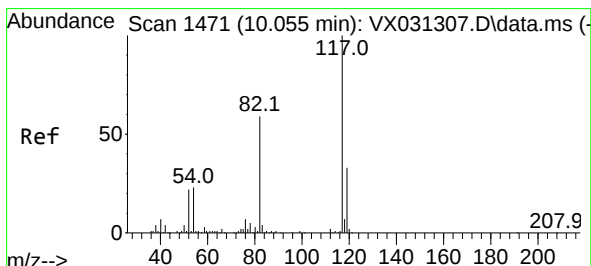
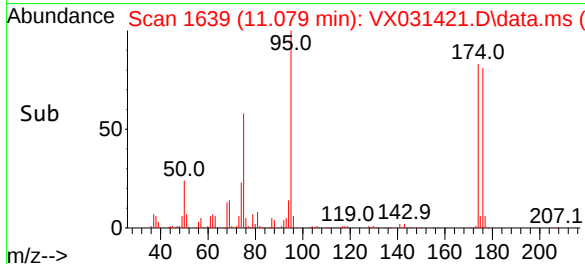
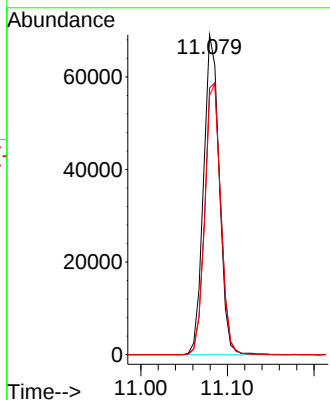
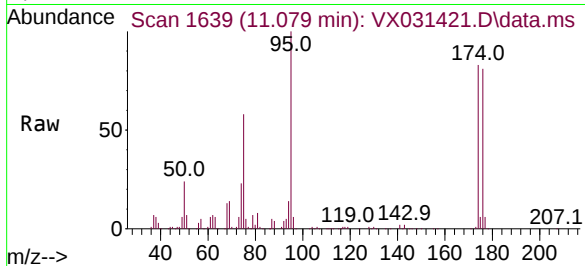




#62
4-Bromofluorobenzene
Concen: 43.553 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

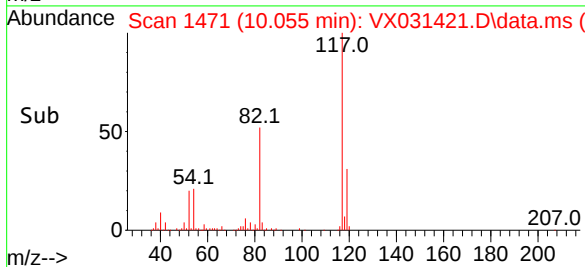
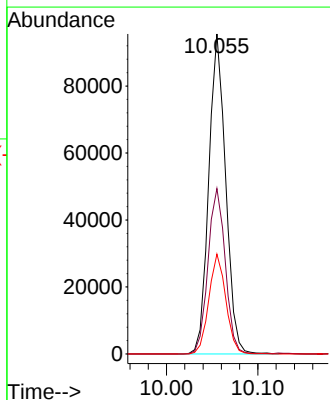
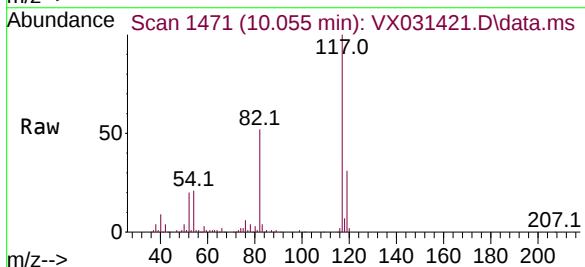
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-04

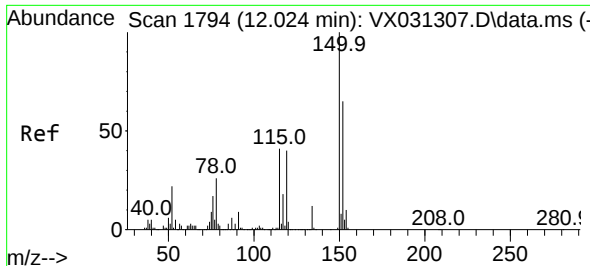
Tgt Ion: 95 Resp: 87019
Ion Ratio Lower Upper
95 100
174 86.7 0.0 153.2
176 85.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031421.D
Acq: 16 Sep 2022 19:32

Tgt Ion: 117 Resp: 122351
Ion Ratio Lower Upper
117 100
82 51.7 46.8 70.2
119 31.2 26.4 39.6

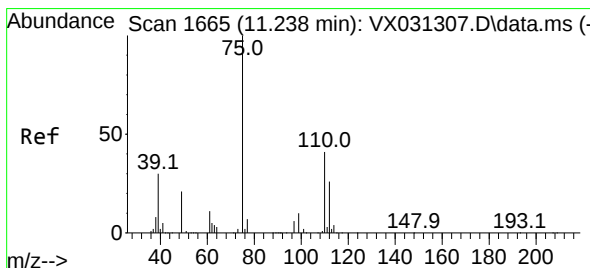
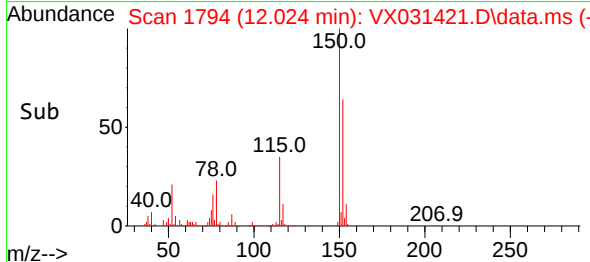
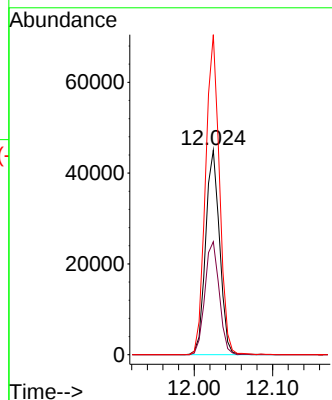
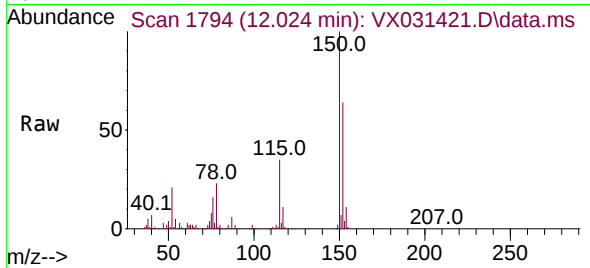




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

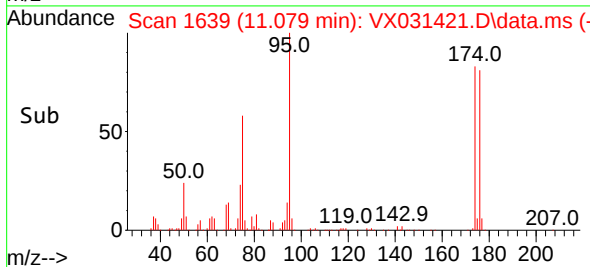
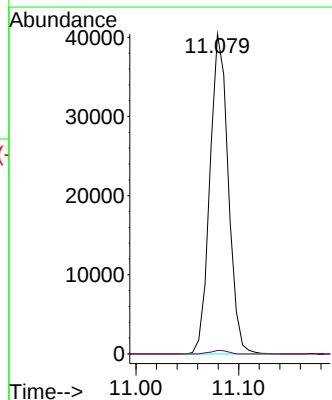
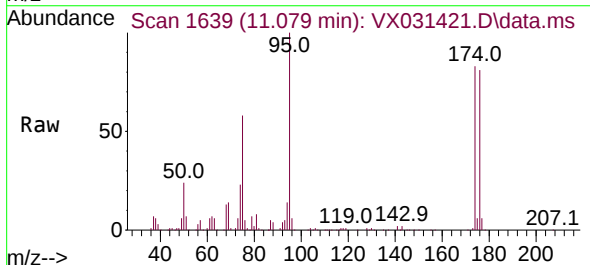
Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-04

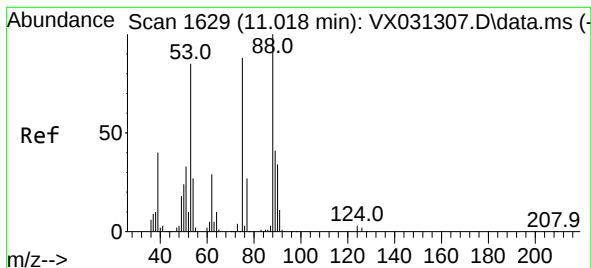
Tgt Ion:152 Resp: 55618
 Ion Ratio Lower Upper
 152 100
 115 56.7 43.4 130.1
 150 155.5 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 35.770 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

Tgt Ion: 75 Resp: 50134
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.975 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX031421.D
 Acq: 16 Sep 2022 19:32

Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-04

Tgt Ion: 75 Resp: 50134
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

