

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031422.D
 Acq On : 16 Sep 2022 19:56
 Operator : JC/MD
 Sample : N4645-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-05

Quant Time: Sep 17 02:08:35 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)

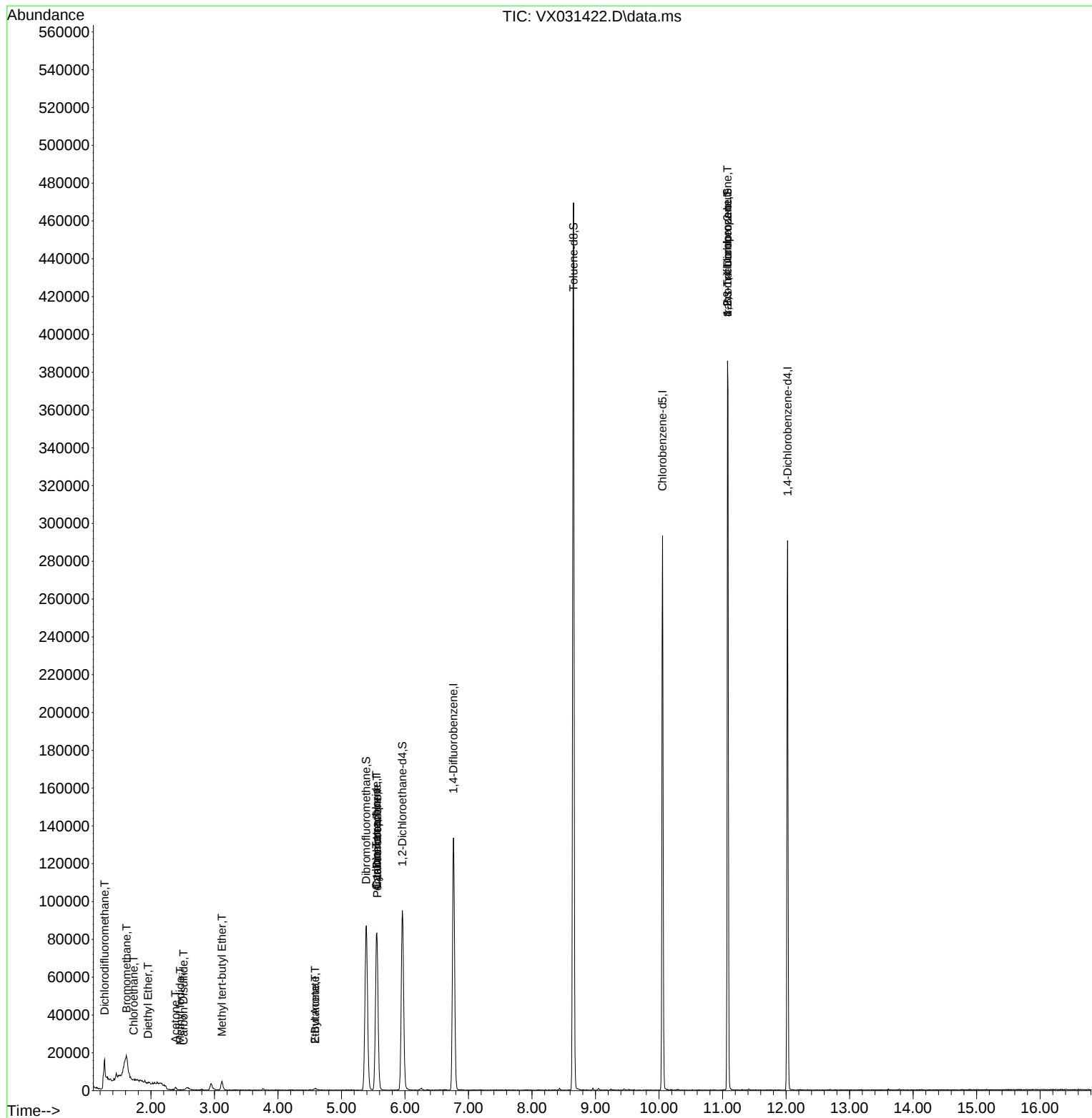
Internal Standards						
1) Pentafluorobenzene	5.562	168	80278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	134874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83649	42.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.900%		
35) Dibromofluoromethane	5.385	113	70241	48.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	8.653	98	268433	49.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	11.079	95	87754	44.064	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.270	85	567	0.654	ug/l	99
3) Chloromethane	1.288	50	147	Below Cal	#	41
5) Bromomethane	1.618	94	664	0.631	ug/l #	66
6) Chloroethane	1.727	64	494	0.465	ug/l #	43
8) Diethyl Ether	1.953	74	23	0.548	ug/l #	1
10) Methyl Iodide	2.459	142	55	0.950	ug/l #	38
11) Tert butyl alcohol	2.947	59	2904	Below Cal	#	73
16) Acetone	2.386	43	1526	1.814	ug/l #	88
17) Carbon Disulfide	2.514	76	418	1.033	ug/l #	75
19) Methyl tert-butyl Ether	3.117	73	5060	0.975	ug/l #	91
20) Methylene Chloride	2.794	84	189	Below Cal	#	52
21) trans-1,2-Dichloroethene	2.953	96	19	Below Cal	#	1
25) 2-Butanone	4.587	43	911	0.657	ug/l	97
31) Cyclohexane	5.556	56	2066	0.976	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	6357	3.204	ug/l #	49
37) Ethyl Acetate	4.587	43	911	0.349	ug/l #	68
38) Carbon Tetrachloride	5.550	117	8320	3.857	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	50861	35.403	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	50861	97.961	ug/l #	11

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

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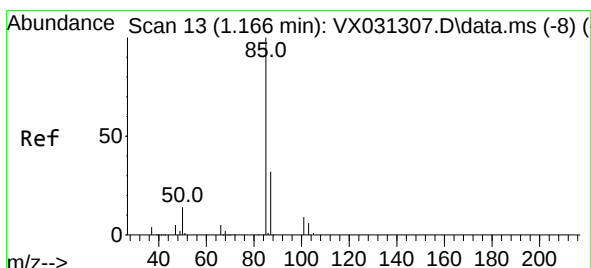
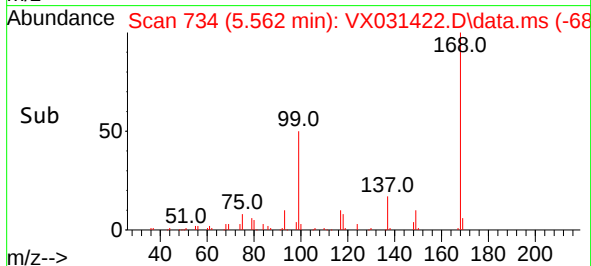
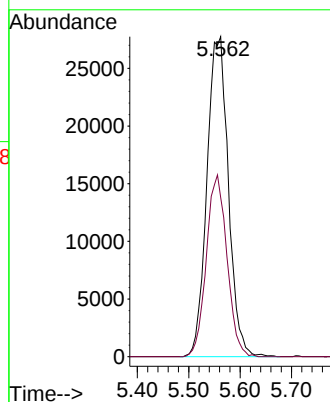
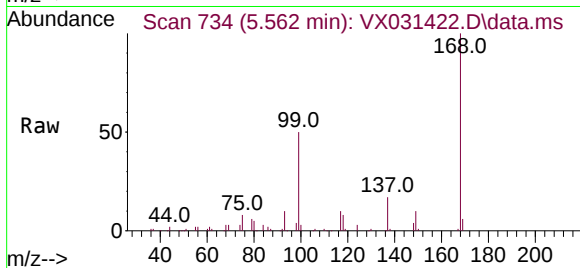




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

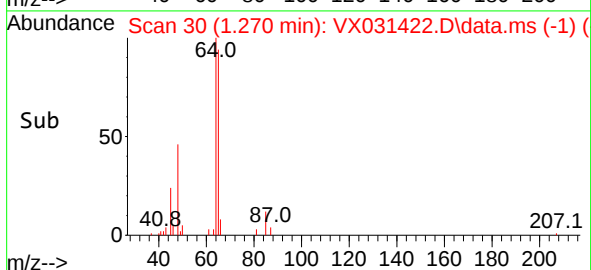
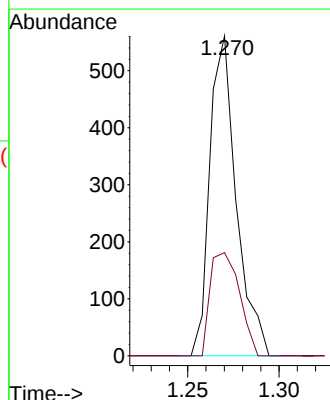
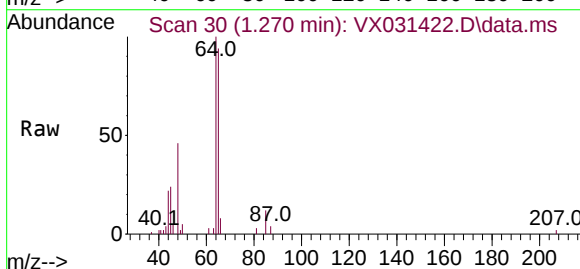
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

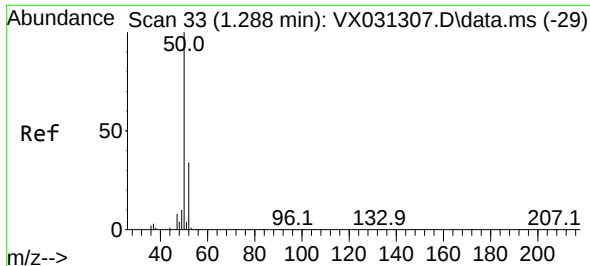
Tgt Ion:168 Resp: 80278
Ion Ratio Lower Upper
168 100
99 49.7 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.654 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 85 Resp: 567
Ion Ratio Lower Upper
85 100
87 32.3 15.8 47.4

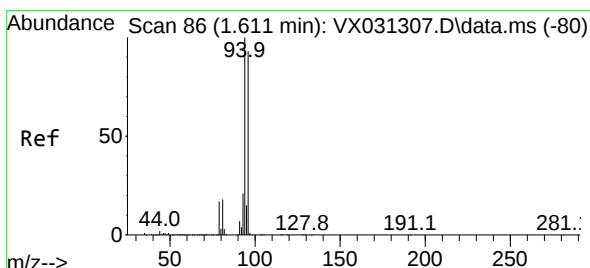
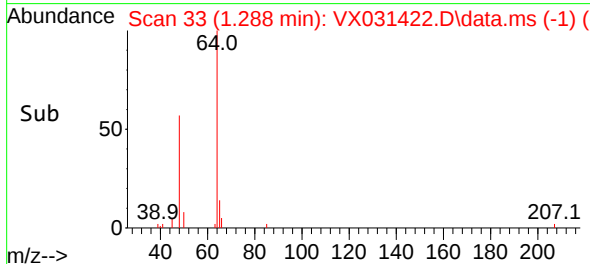
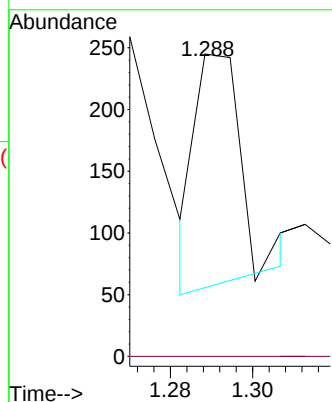
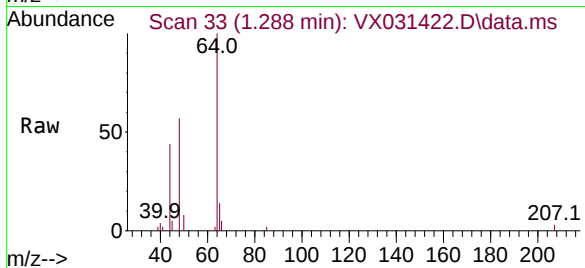




#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

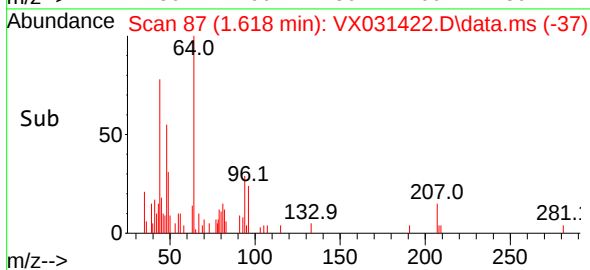
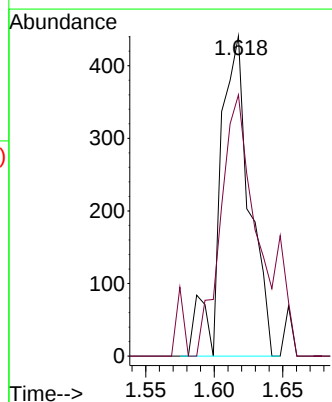
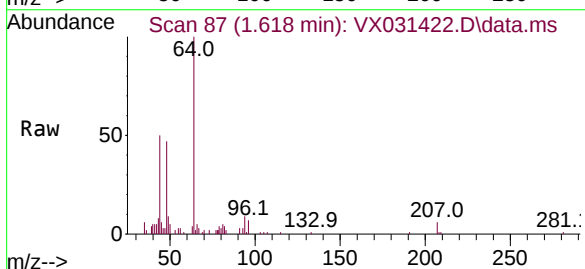
Instrument :
MSVOA_X
ClientSampleId :
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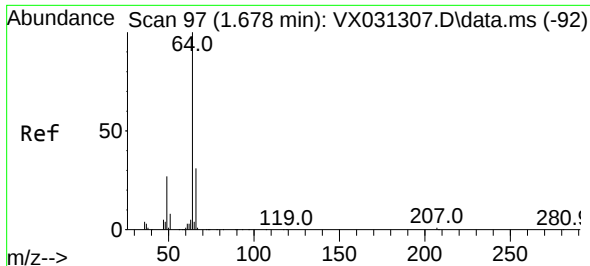
Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



#5
Bromomethane
Concen: 0.631 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 94 Resp: 664
Ion Ratio Lower Upper
94 100
96 60.1 74.4 111.6#

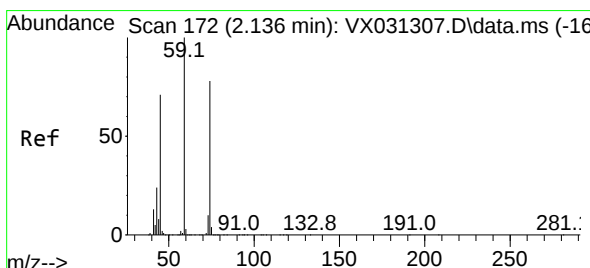
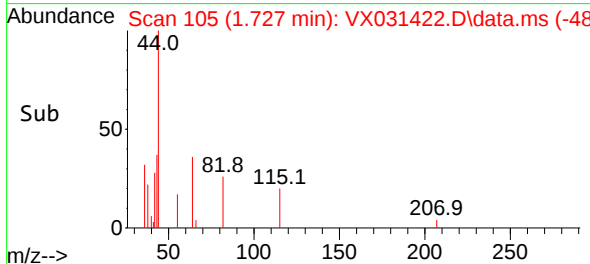
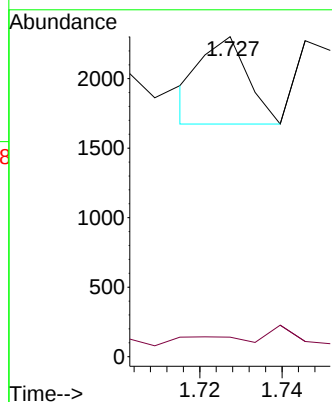
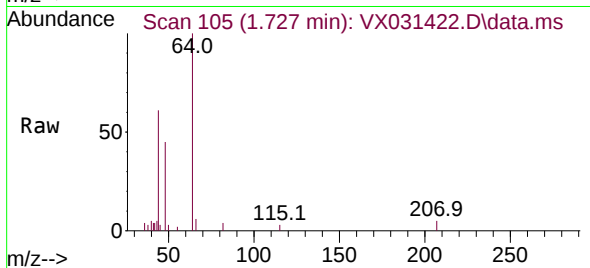




#6
Chloroethane
Concen: 0.465 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.049 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

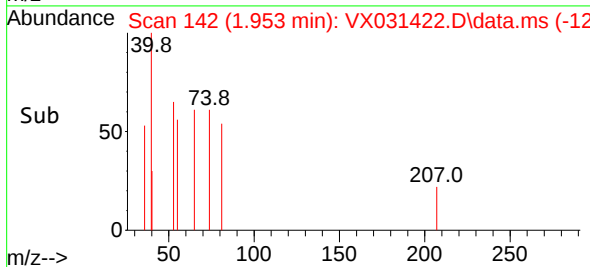
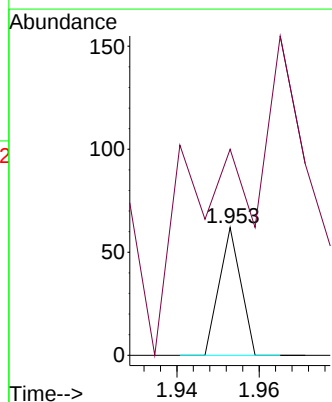
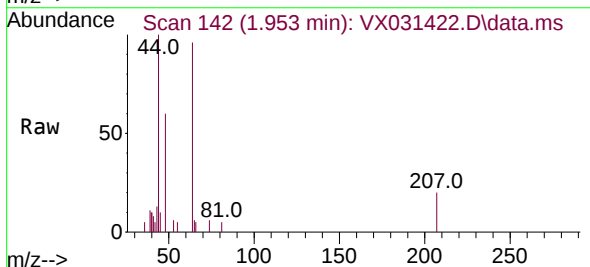
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

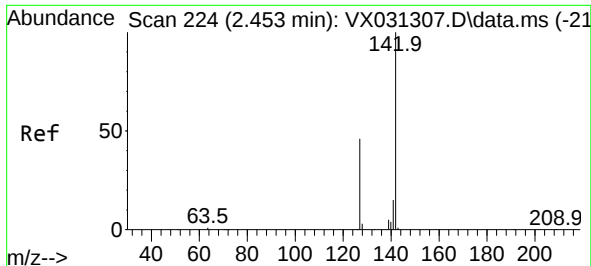
Tgt Ion: 64 Resp: 494
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#8
Diethyl Ether
Concen: 0.548 ug/l
RT: 1.953 min Scan# 142
Delta R.T. -0.183 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 1004.3 48.5 145.6#





#10

Methyl Iodide

Concen: 0.950 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031422.D

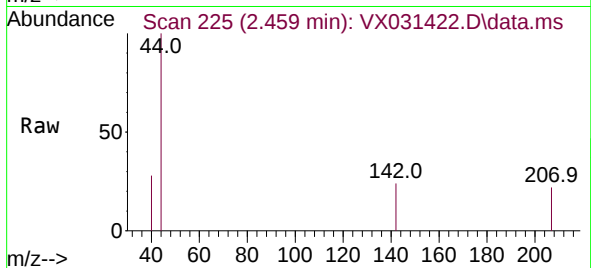
Acq: 16 Sep 2022 19:56

Instrument :

MSVOA_X

ClientSampleId :

TOLL-MW-05



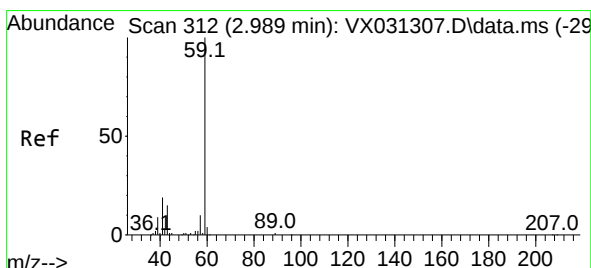
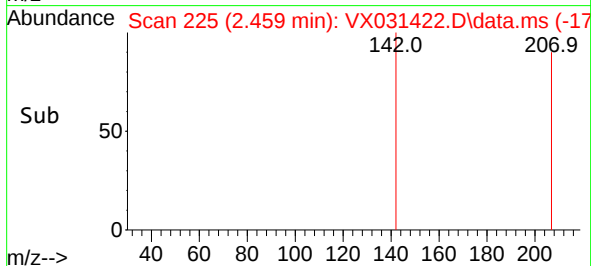
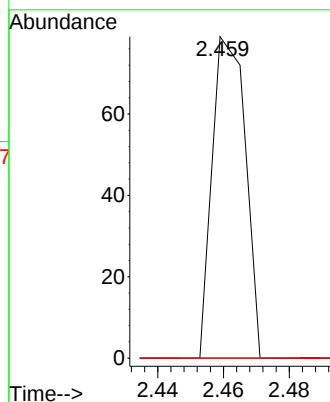
Tgt Ion:142 Resp: 55

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: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031422.D

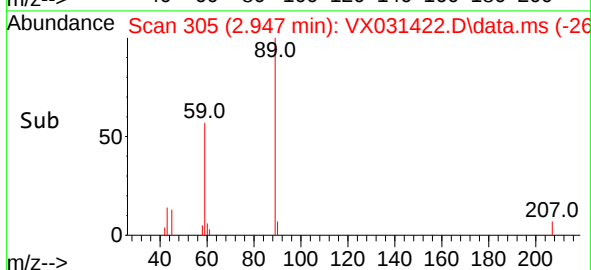
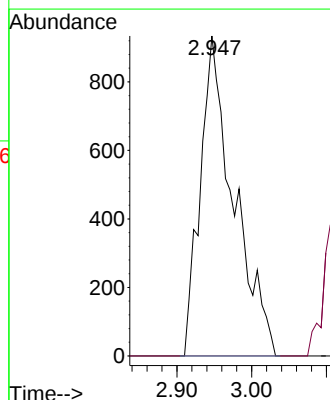
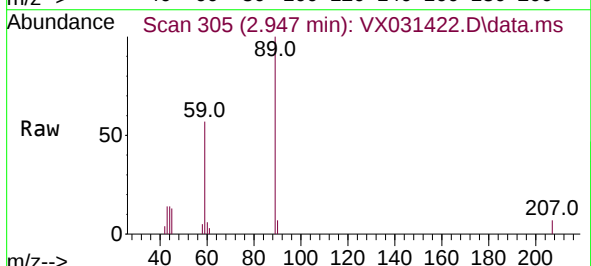
Acq: 16 Sep 2022 19:56

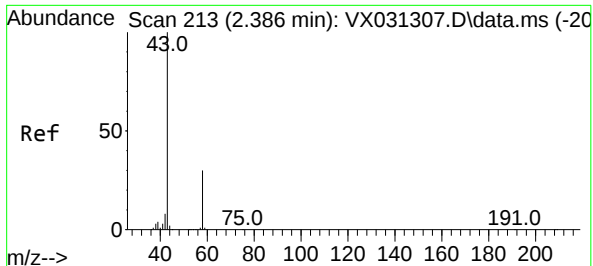
Tgt Ion: 59 Resp: 2904

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

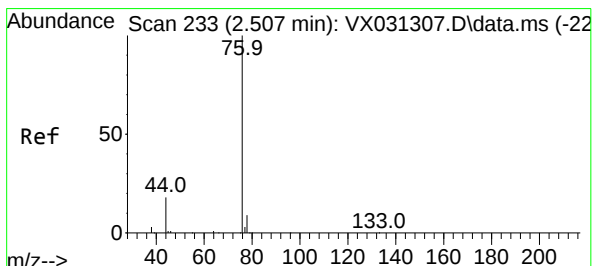
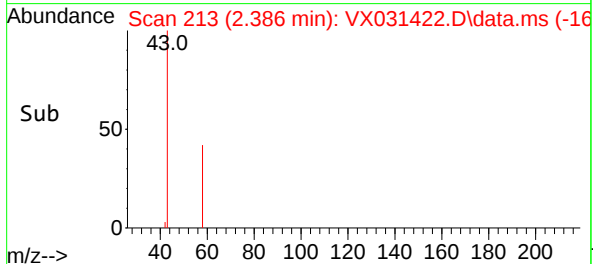
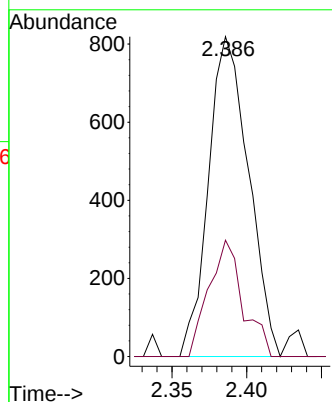
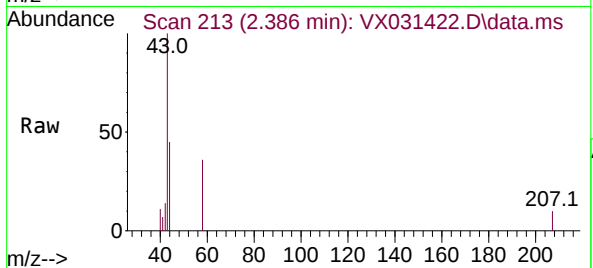




#16
Acetone
Concen: 1.814 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

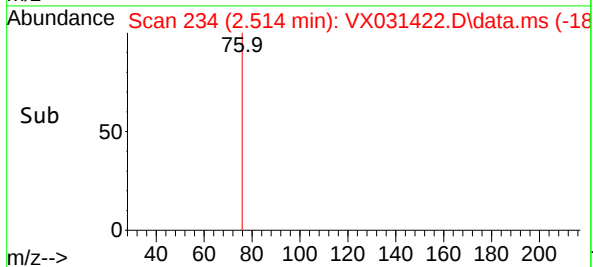
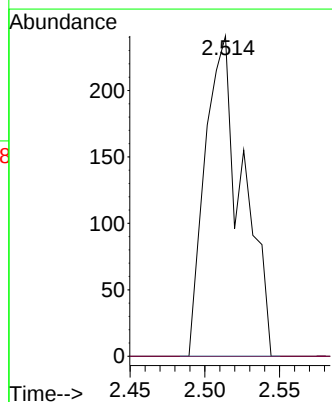
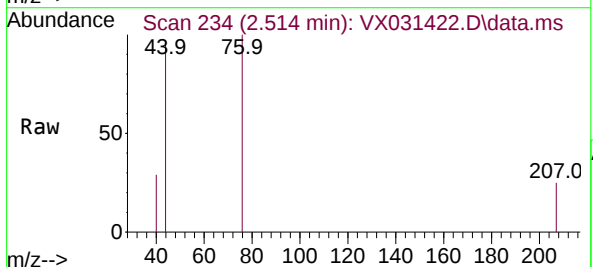
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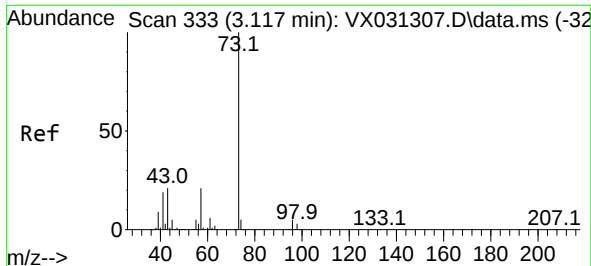
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
58 36.4 23.8 35.8#



#17
Carbon Disulfide
Concen: 1.033 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 76 Resp: 418
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

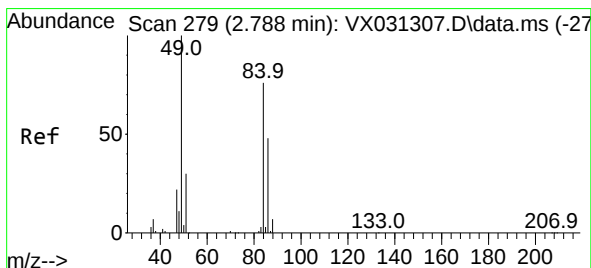
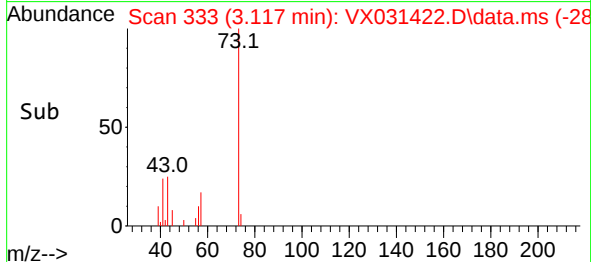
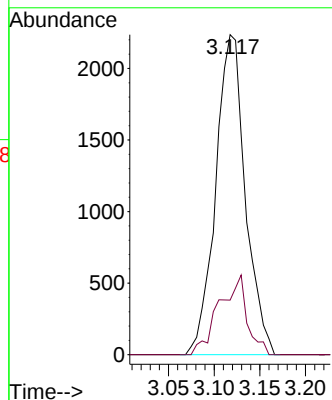
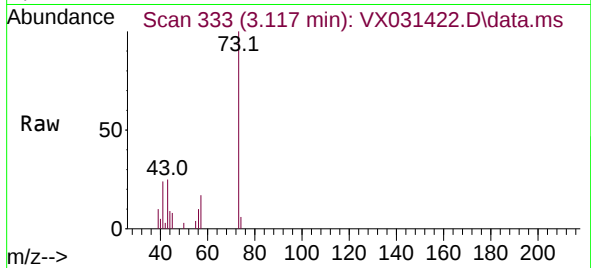




#19
Methyl tert-butyl Ether
Concen: 0.975 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

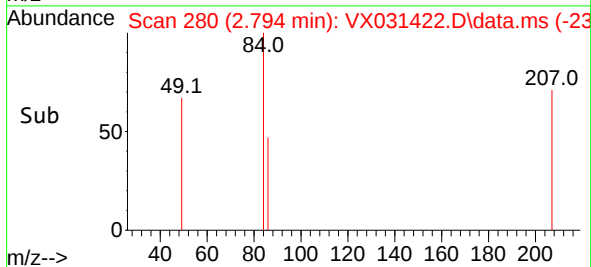
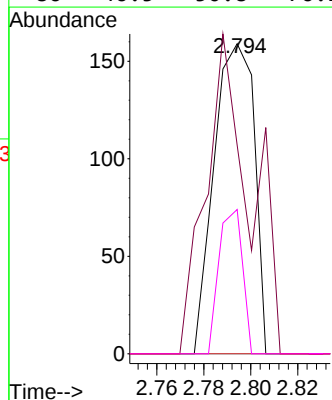
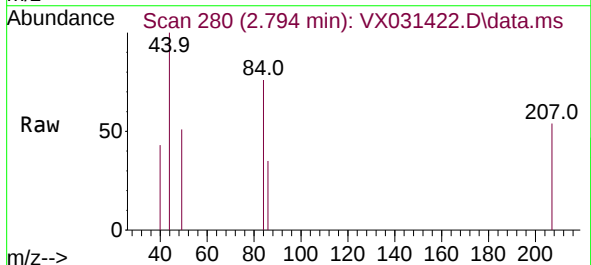
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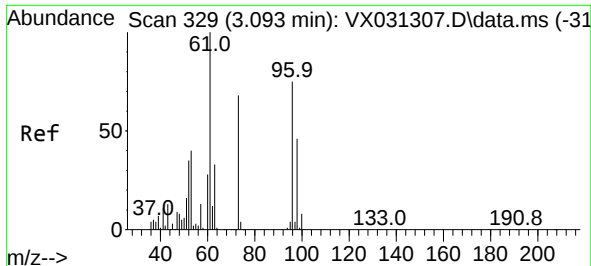
Tgt Ion: 73 Resp: 5060
Ion Ratio Lower Upper
73 100
57 17.0 17.2 25.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 84 Resp: 189
Ion Ratio Lower Upper
84 100
49 67.3 105.9 158.9#
51 0.0 32.2 48.2#
86 46.5 50.8 76.2#

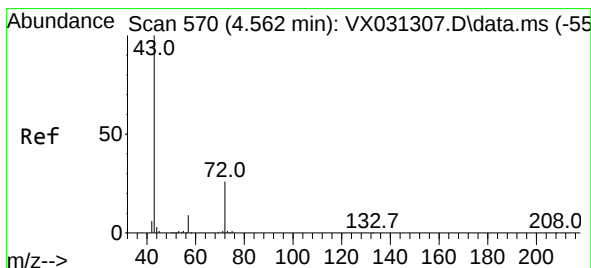
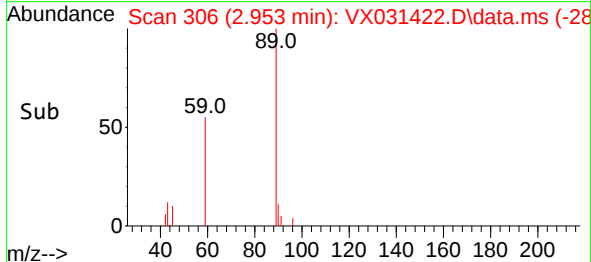
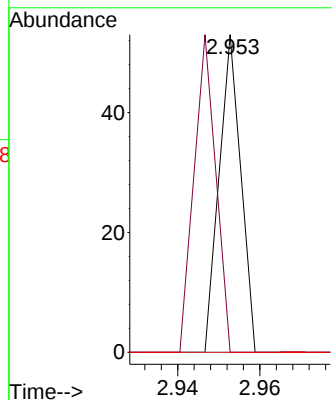
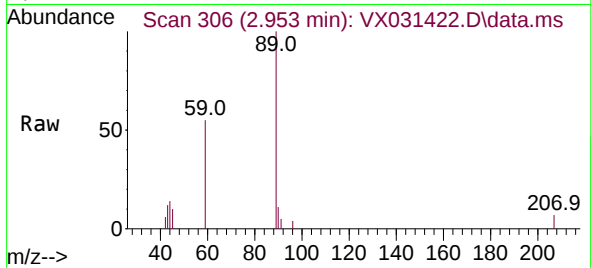




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.140 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

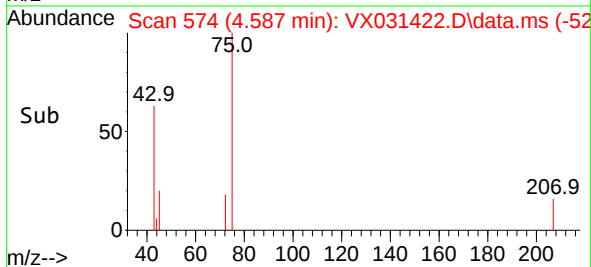
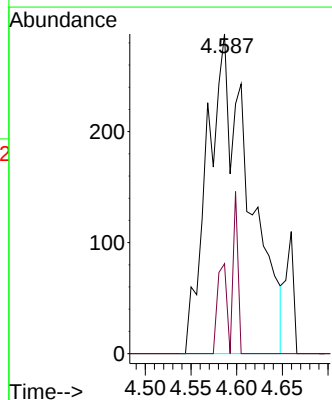
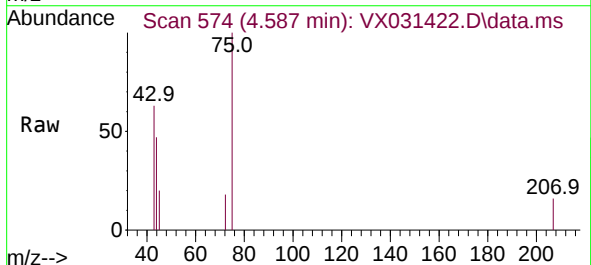
Instrument :
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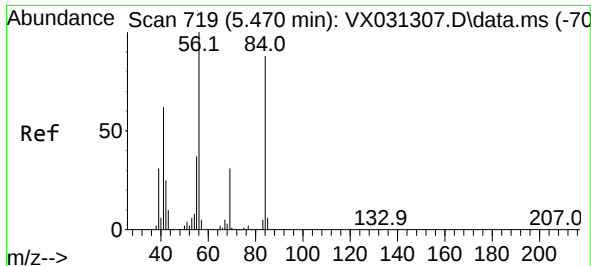
Tgt Ion: 96 Resp: 19
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 0.657 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
72 28.1 21.1 31.7

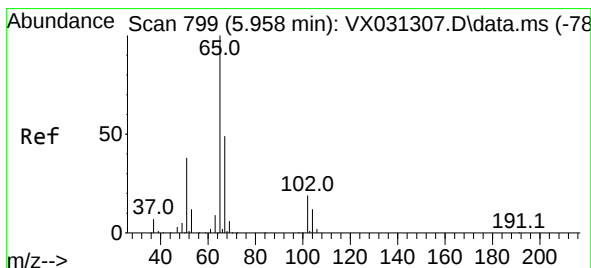
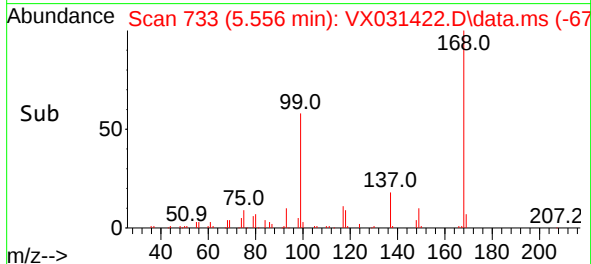
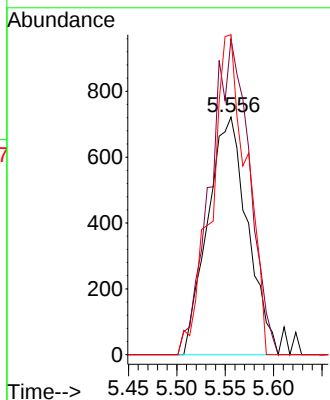
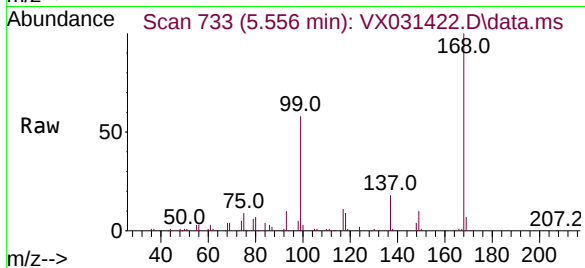




#31
Cyclohexane
Concen: 0.976 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

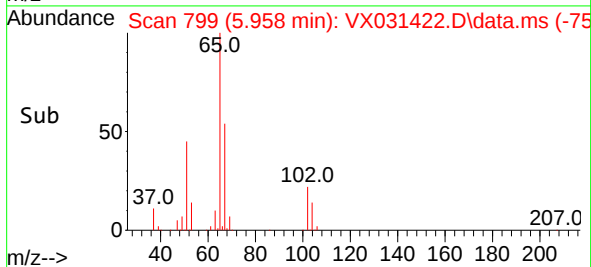
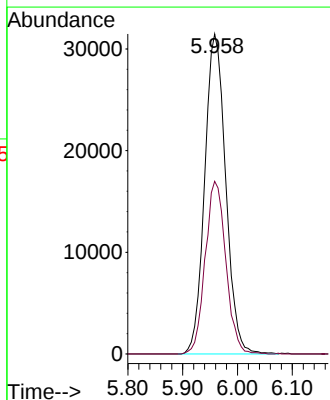
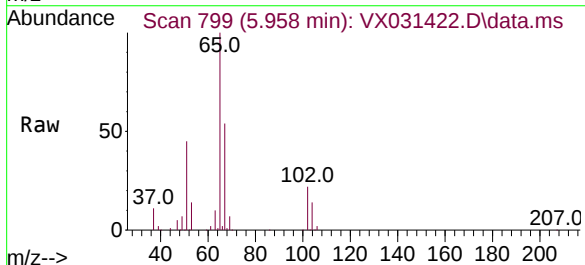
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

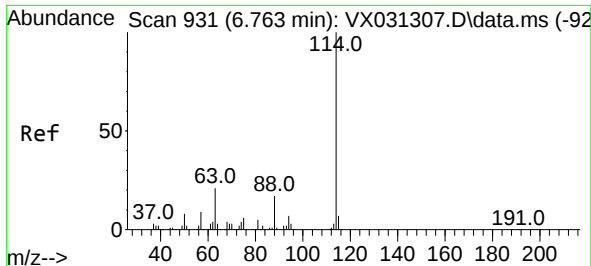
Tgt Ion: 56 Resp: 2066
Ion Ratio Lower Upper
56 100
69 132.8 25.1 37.7#
84 134.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 42.452 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 65 Resp: 83649
Ion Ratio Lower Upper
65 100
67 52.9 0.0 102.4

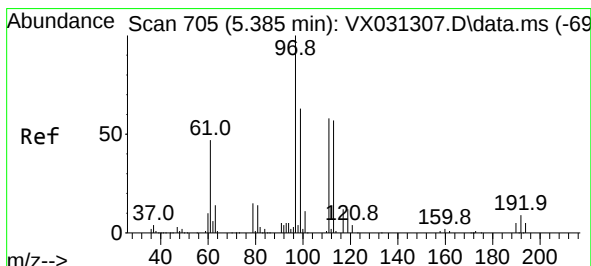
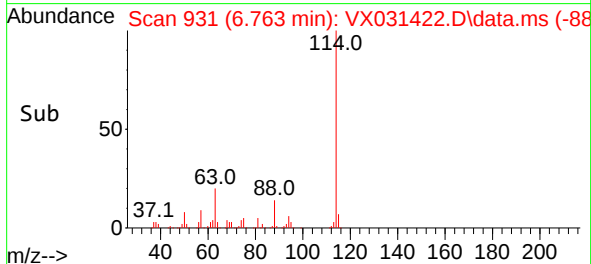
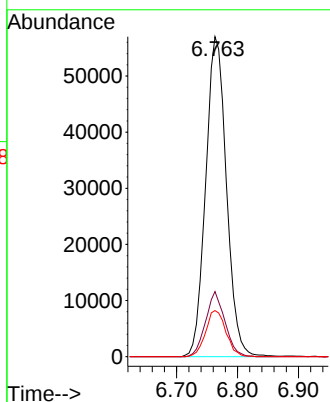
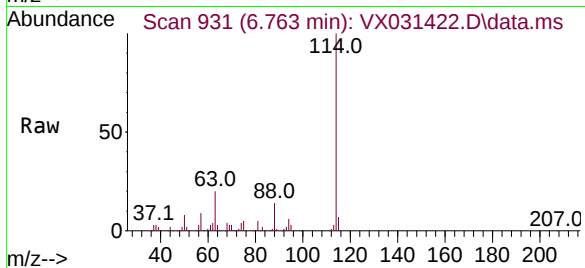




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

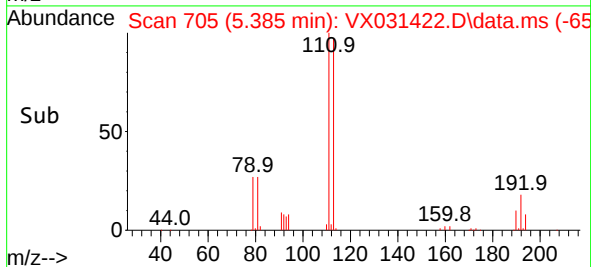
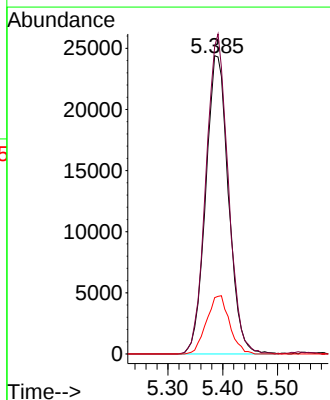
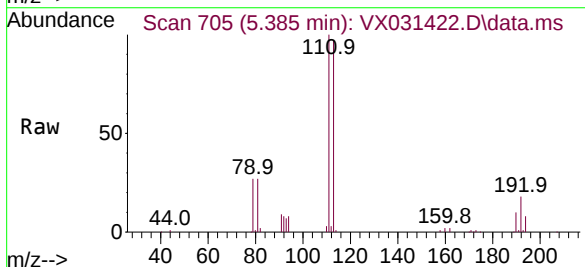
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

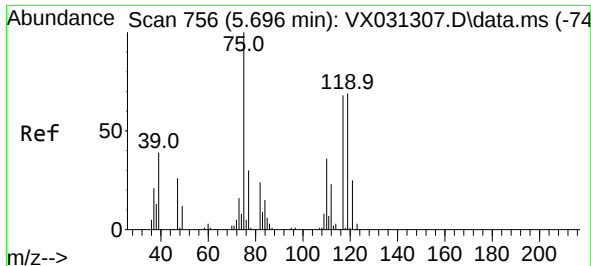
Tgt Ion:114 Resp: 134874
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 14.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.449 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion:113 Resp: 70241
Ion Ratio Lower Upper
113 100
111 105.2 82.4 123.6
192 19.7 14.1 21.1

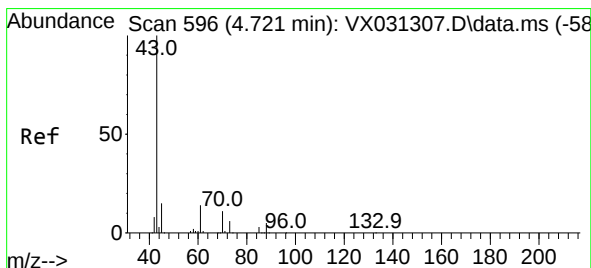
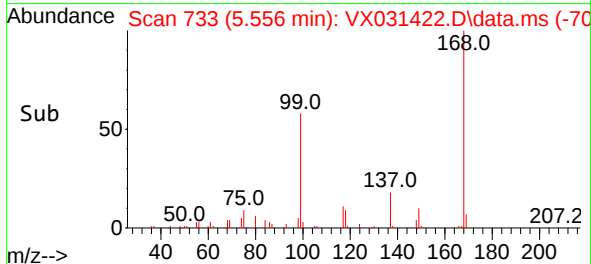
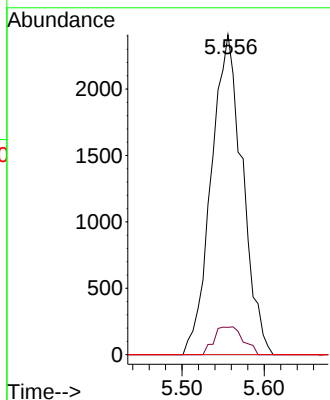
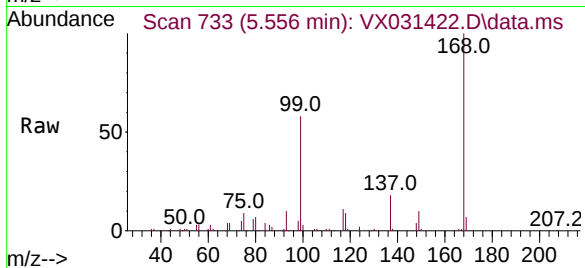




#36
1,1-Dichloropropene
Concen: 3.204 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

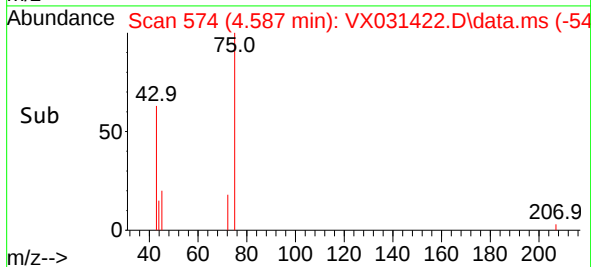
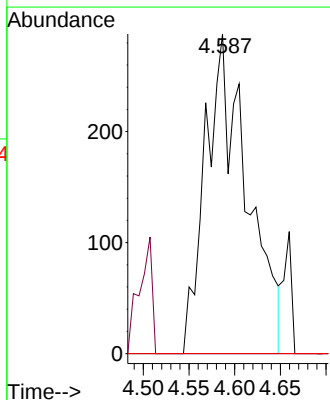
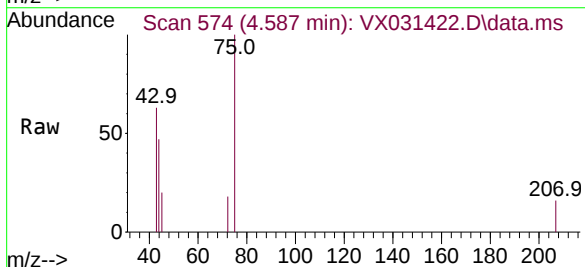
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

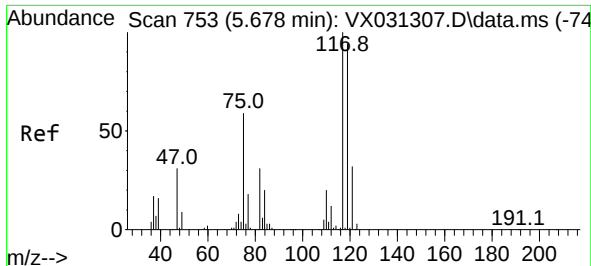
Tgt Ion: 75 Resp: 6357
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.349 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.134 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.6 13.0#

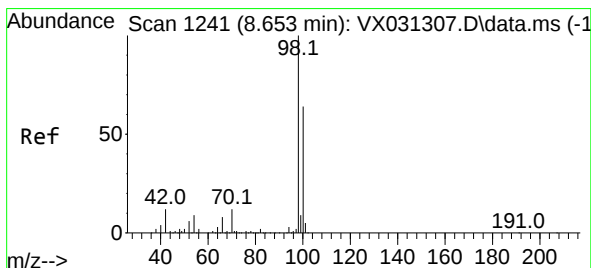
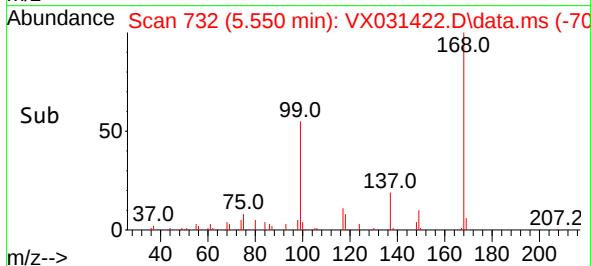
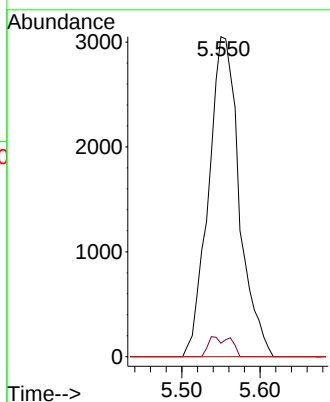
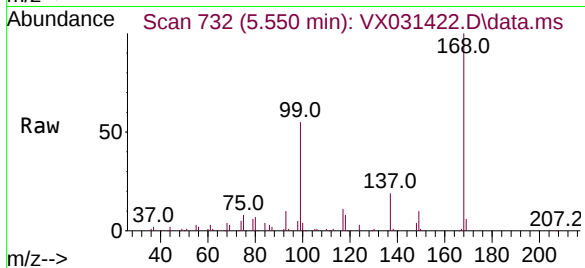




#38
Carbon Tetrachloride
Concen: 3.857 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

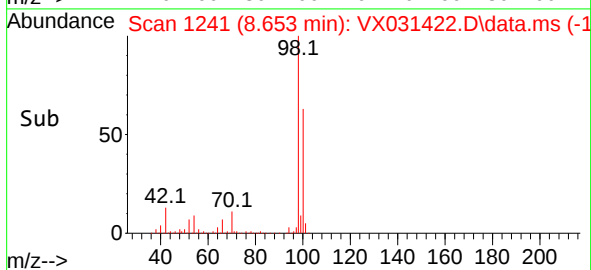
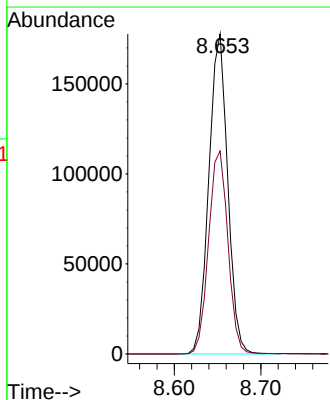
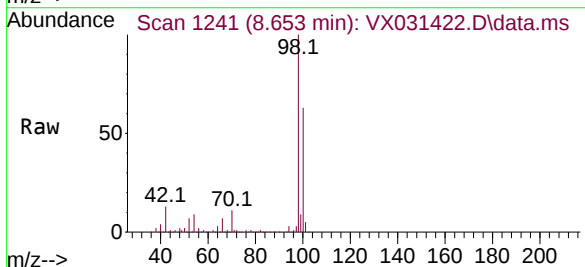
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

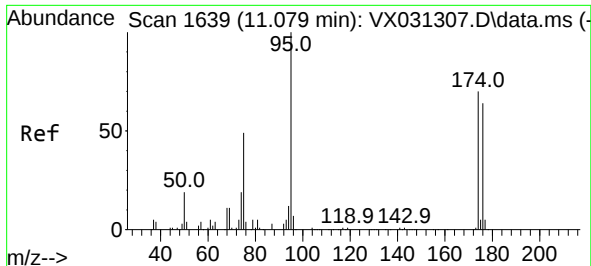
Tgt Ion:117 Resp: 8320
Ion Ratio Lower Upper
117 100
119 4.2 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.359 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 98 Resp: 268433
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

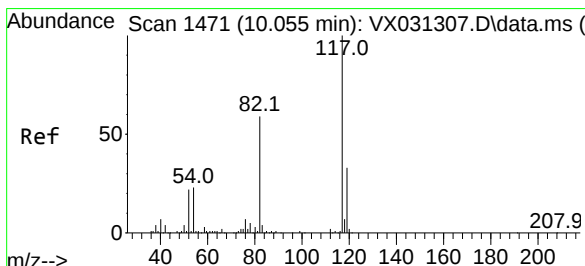
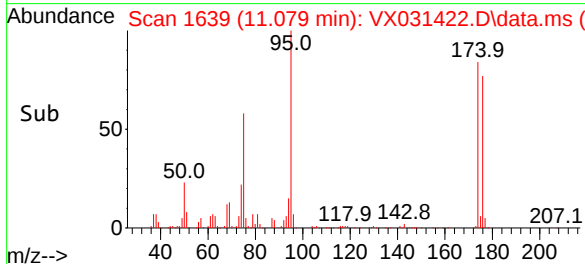
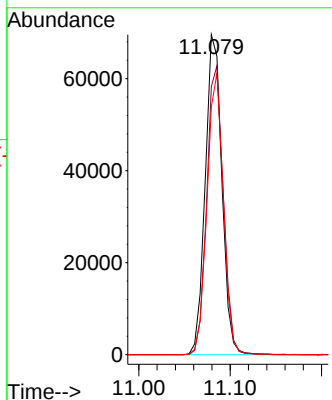
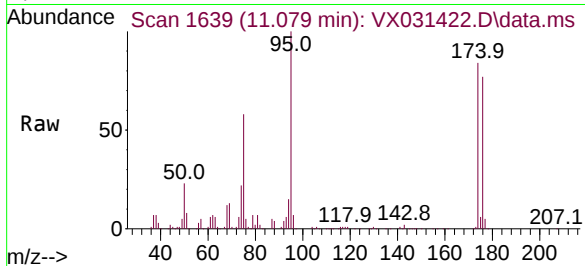




#62
4-Bromofluorobenzene
Concen: 44.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

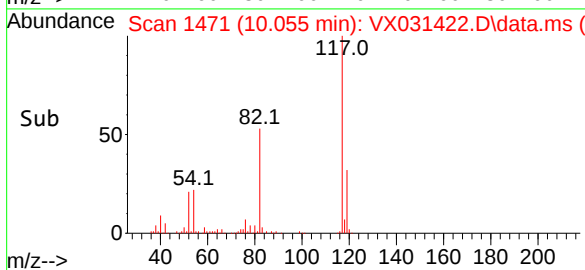
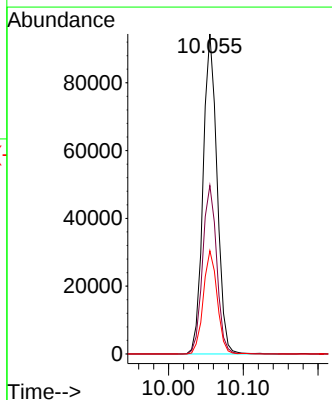
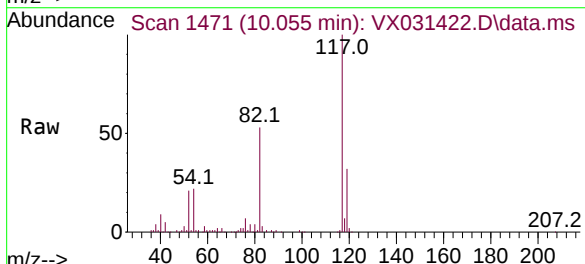
Instrument :
MSVOA_X
ClientSampleId :
TOLL-MW-05

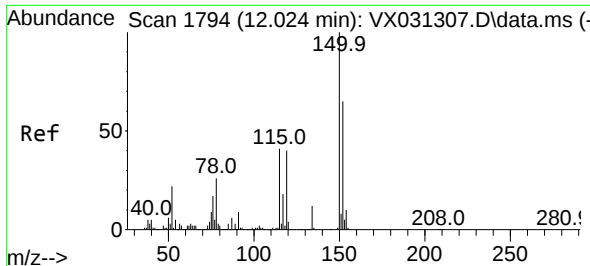
Tgt Ion: 95 Resp: 87754
Ion Ratio Lower Upper
95 100
174 90.3 0.0 153.2
176 86.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031422.D
Acq: 16 Sep 2022 19:56

Tgt Ion: 117 Resp: 122619
Ion Ratio Lower Upper
117 100
82 52.7 46.8 70.2
119 32.2 26.4 39.6

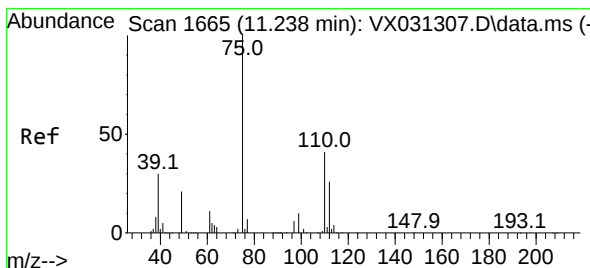
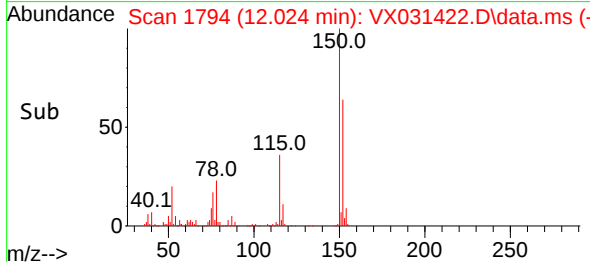
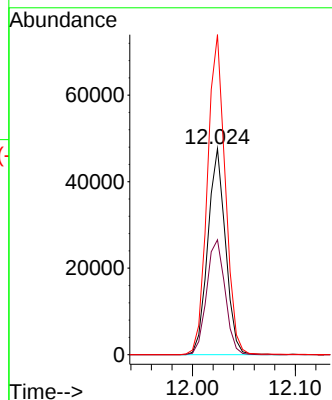
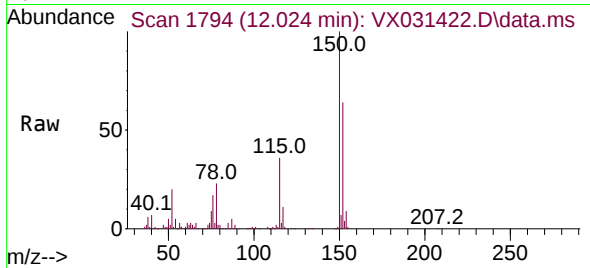




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031422.D
 Acq: 16 Sep 2022 19:56

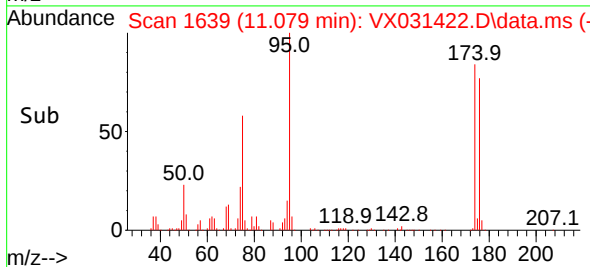
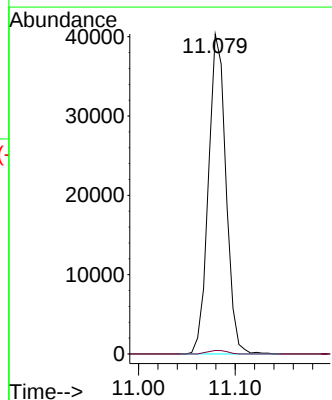
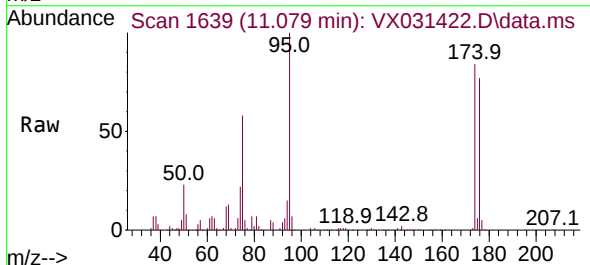
Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-05

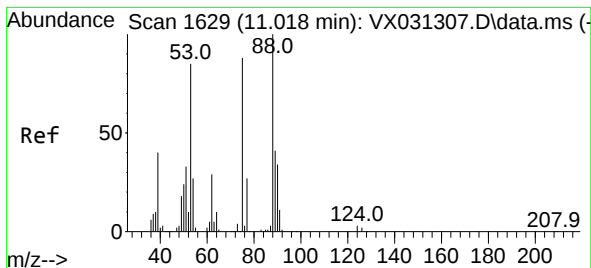
Tgt Ion:152 Resp: 57009
 Ion Ratio Lower Upper
 152 100
 115 58.1 43.4 130.1
 150 157.1 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 35.403 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX031422.D
 Acq: 16 Sep 2022 19:56

Tgt Ion: 75 Resp: 50861
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.961 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031422.D
 Acq: 16 Sep 2022 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 TOLL-MW-05

Tgt Ion: 75 Resp: 50861
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

