

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030781.D
 Acq On : 25 Aug 2022 19:09
 Operator : JC/MD
 Sample : N4245-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20220816

Quant Time: Aug 26 02:41:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

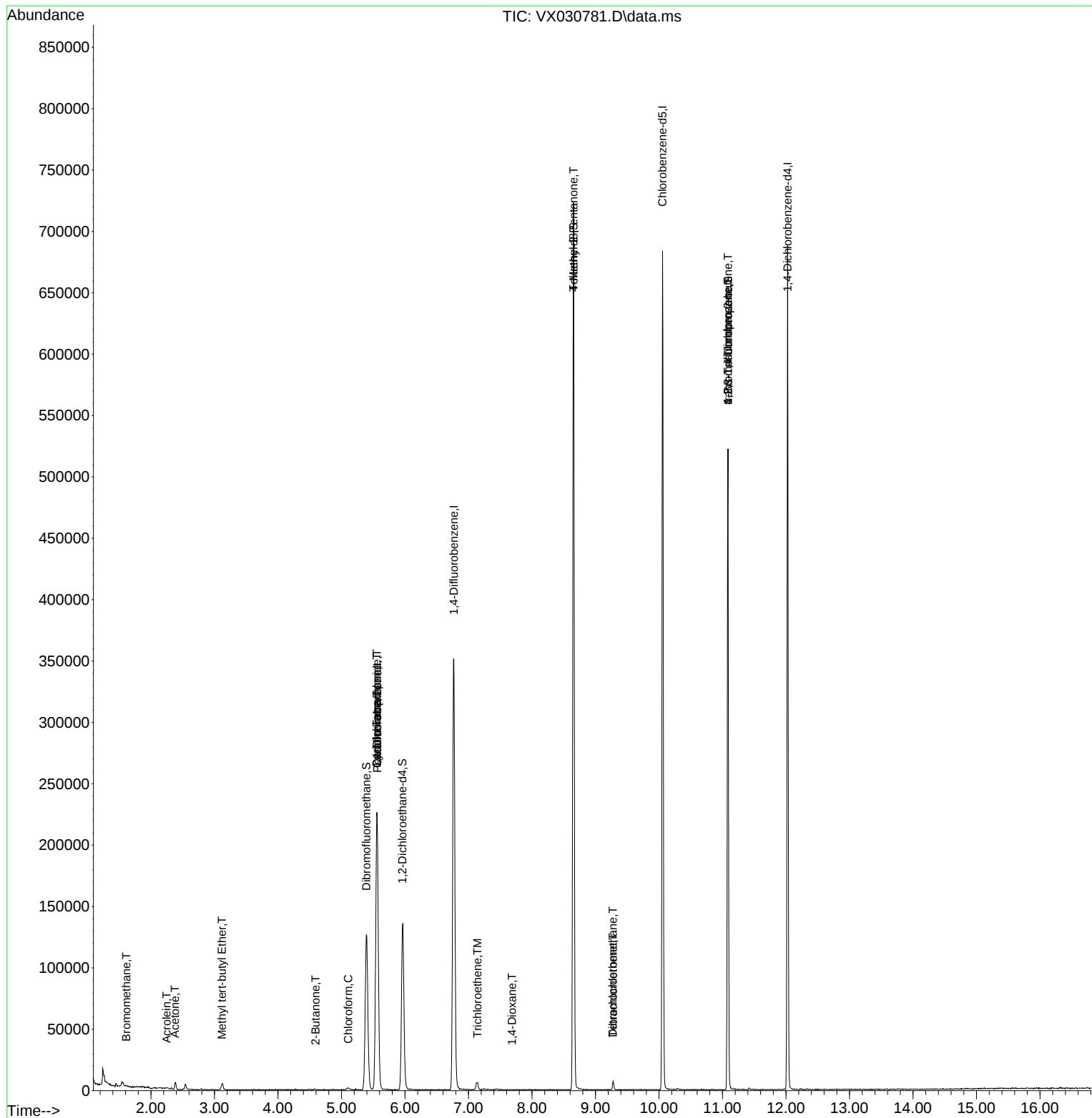
Internal Standards						
1) Pentafluorobenzene	5.562	168	219726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	373183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129244	50.006	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	5.391	113	113093	49.310	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.620%	
50) Toluene-d8	8.653	98	423399	52.977	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.960%	
62) 4-Bromofluorobenzene	11.085	95	139404	46.851	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	356	Below Cal	#	88
4) Vinyl Chloride	1.599	62	54	Below Cal	#	43
5) Bromomethane	1.612	94	367	0.358	ug/l #	48
6) Chloroethane	1.685	64	43	Below Cal	#	41
13) Acrolein	2.246	56	63	10.174	ug/l #	14
16) Acetone	2.380	43	5914	4.952	ug/l	98
17) Carbon Disulfide	2.514	76	356	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	5593	0.811	ug/l	96
20) Methylene Chloride	2.794	84	408	Below Cal	#	71
25) 2-Butanone	4.593	43	463	0.241	ug/l #	48
30) Chloroform	5.105	83	2149	0.487	ug/l #	76
31) Cyclohexane	5.556	56	4284	1.296	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16304	5.220	ug/l #	49
38) Carbon Tetrachloride	5.556	117	22578	6.854	ug/l #	18
44) Trichloroethene	7.141	130	2740	1.015	ug/l	88
49) 1,4-Dioxane	7.684	88	65	0.948	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	2102	0.559	ug/l #	1
60) Dibromochloromethane	9.275	129	1179	0.436	ug/l #	11
64) Tetrachloroethene	9.275	164	1390	0.555	ug/l #	80
76) 1,2,3-Trichloropropane	11.085	75	68240	21.986	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	68240	70.937	ug/l #	12

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

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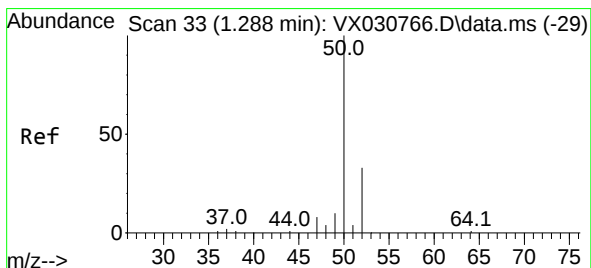
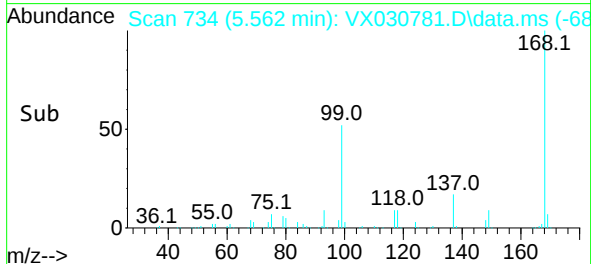
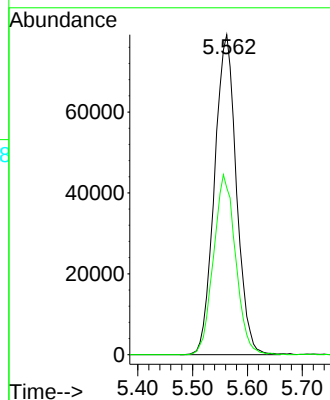
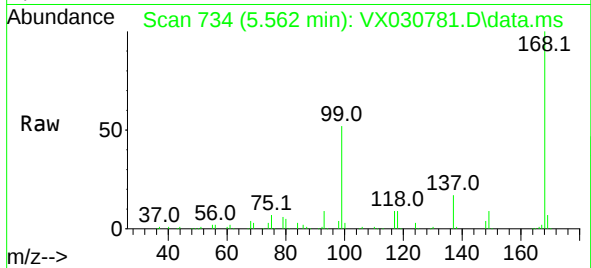




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

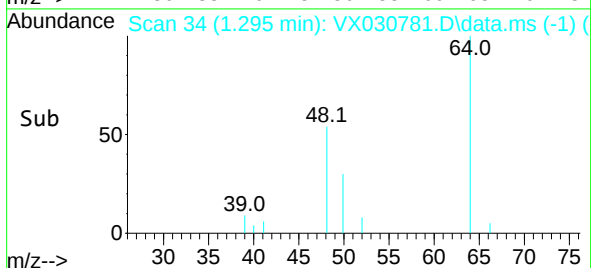
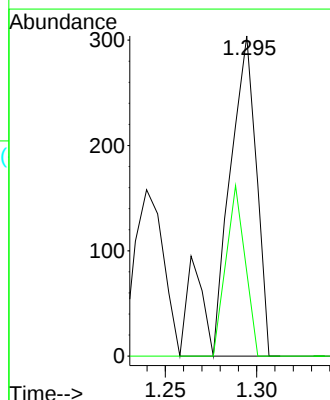
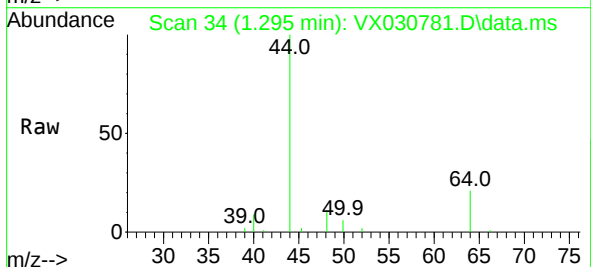
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

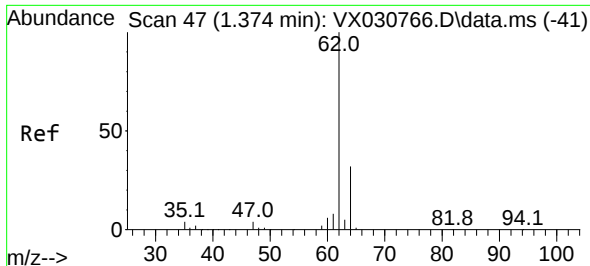
Tgt Ion:168 Resp: 219726
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 26.3 26.3 39.5#

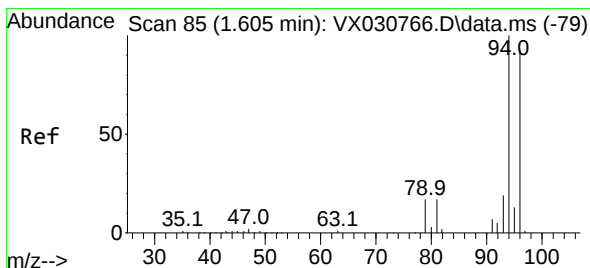
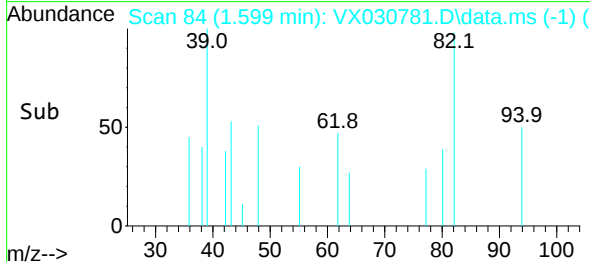
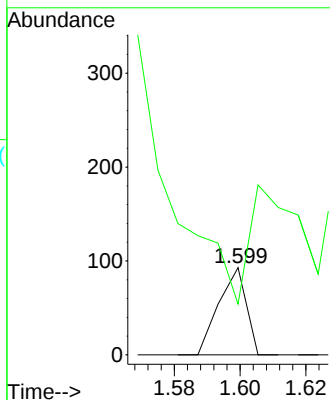
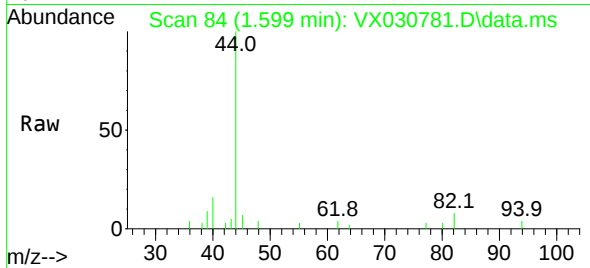




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.599 min Scan# 84
 Delta R.T. 0.225 min
 Lab File: VX030781.D
 Acq: 25 Aug 2022 19:09

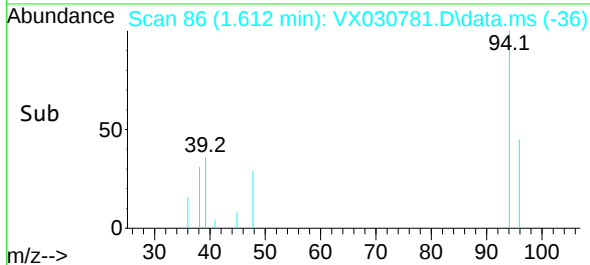
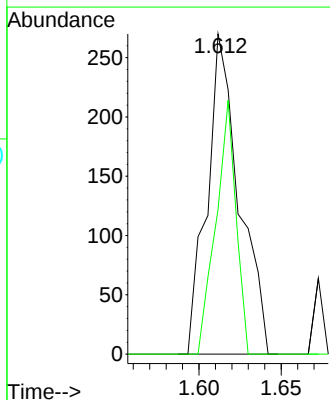
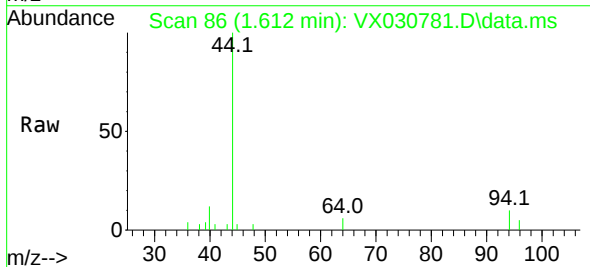
Instrument :
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 ClientSampleId :
 MW178I-20220816

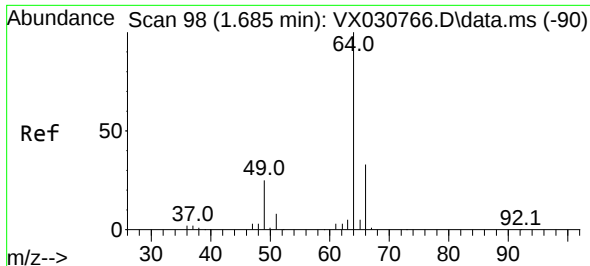
Tgt Ion: 62 Resp: 54
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.358 ug/l
 RT: 1.612 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030781.D
 Acq: 25 Aug 2022 19:09

Tgt Ion: 94 Resp: 367
 Ion Ratio Lower Upper
 94 100
 96 45.2 76.9 115.3#

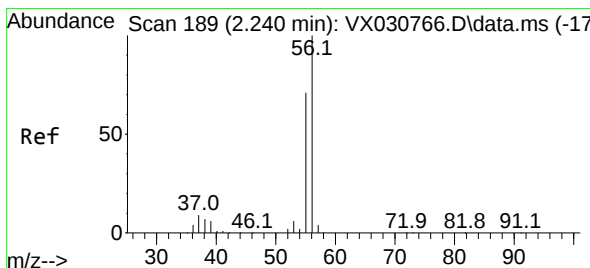
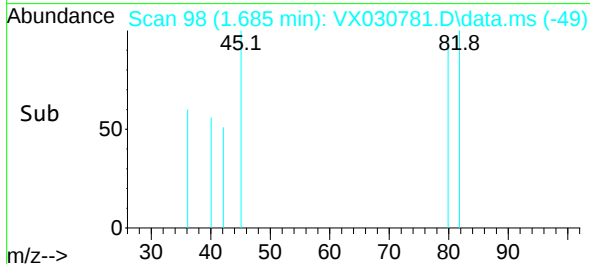
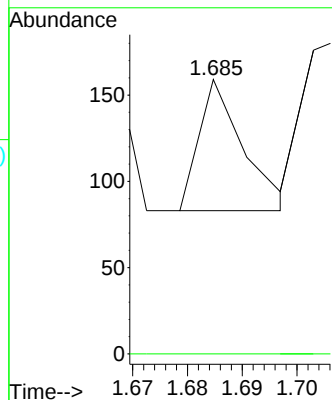
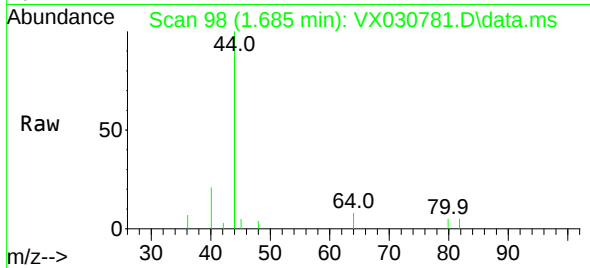




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

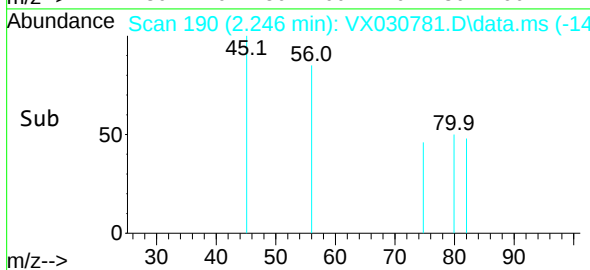
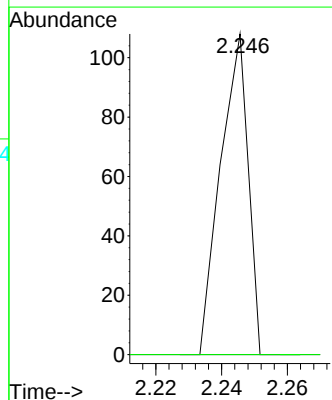
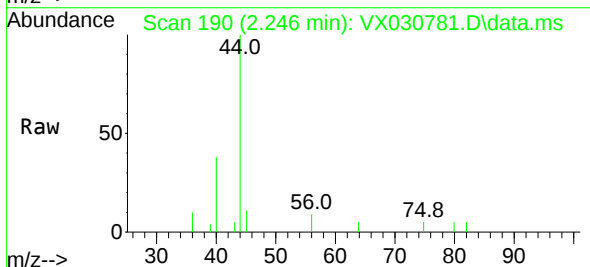
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

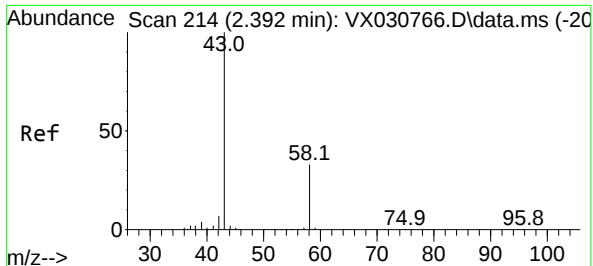
Tgt Ion: 64 Resp: 43
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#13
Acrolein
Concen: 10.174 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

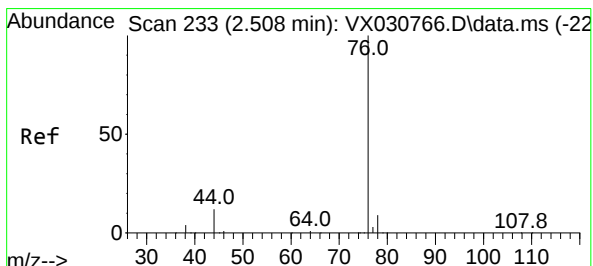
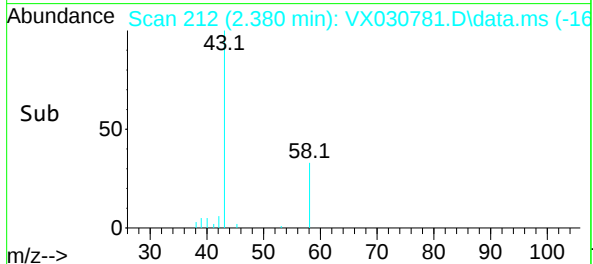
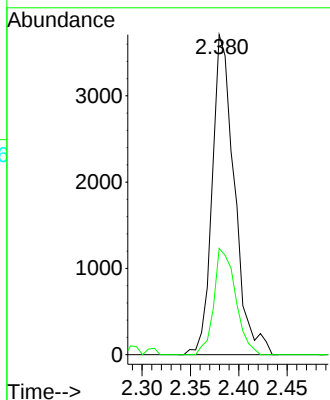
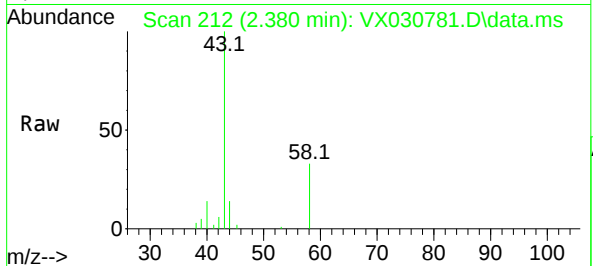




#16
Acetone
Concen: 4.952 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

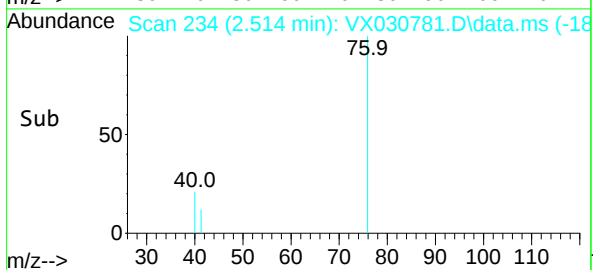
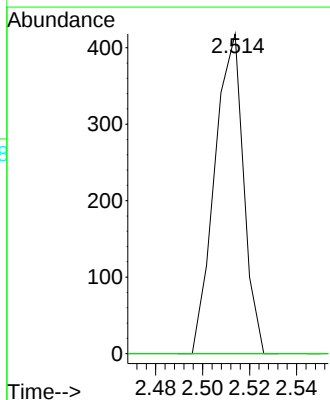
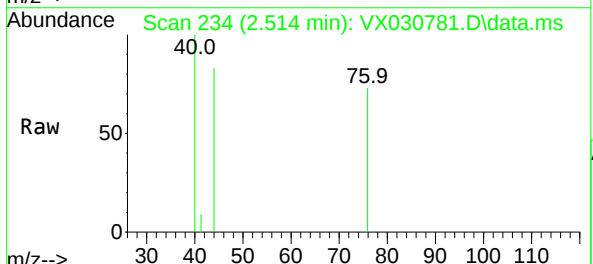
Instrument :
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ClientSampleId :
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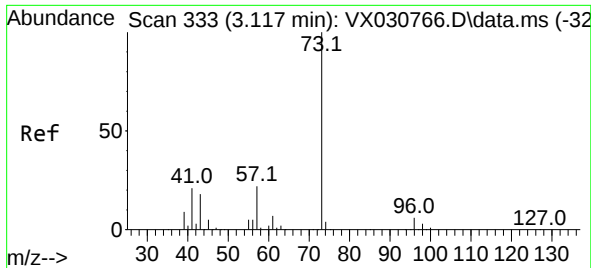
Tgt Ion: 43 Resp: 5914
Ion Ratio Lower Upper
43 100
58 33.2 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 76 Resp: 356
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

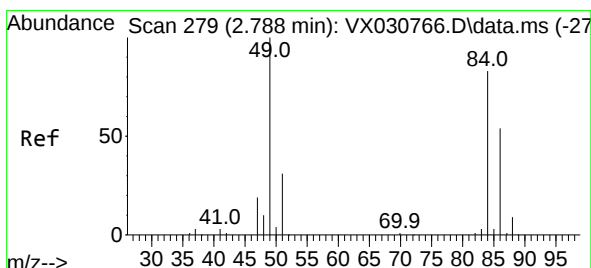
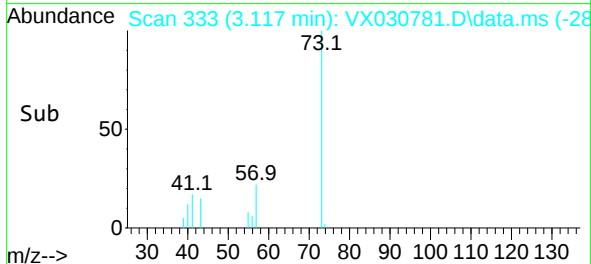
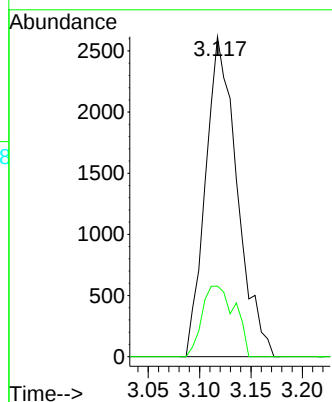
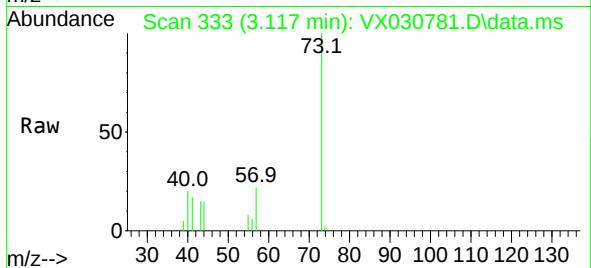




#19
Methyl tert-butyl Ether
Concen: 0.811 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

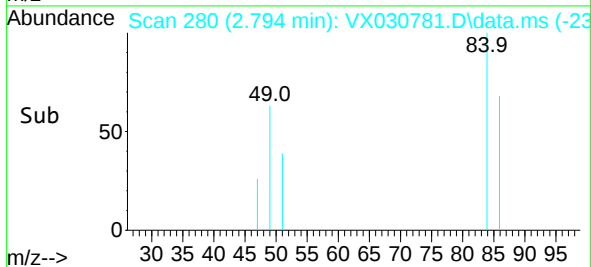
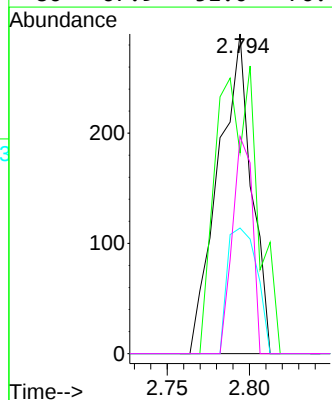
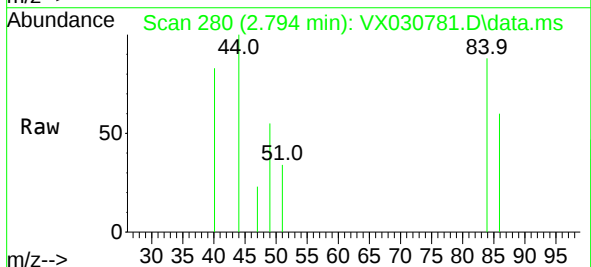
Instrument :
MSVOA_X
ClientSampleId :
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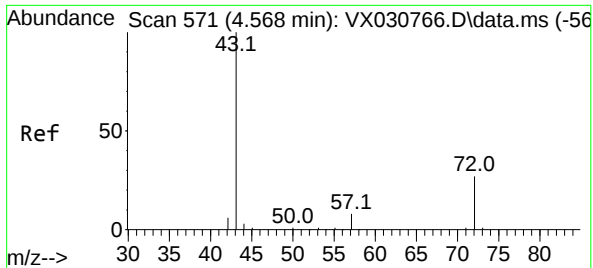
Tgt Ion: 73 Resp: 5593
Ion Ratio Lower Upper
73 100
57 22.0 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 84 Resp: 408
Ion Ratio Lower Upper
84 100
49 62.8 93.8 140.6#
51 39.3 29.4 44.0
86 67.9 51.0 76.4

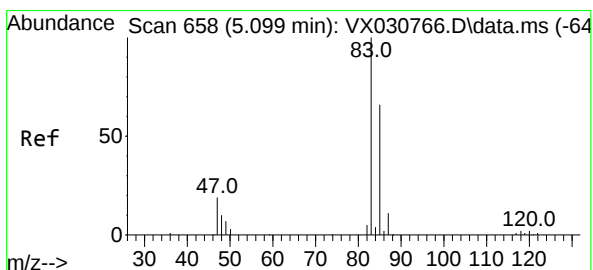
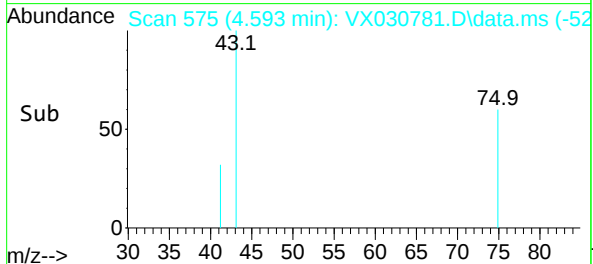
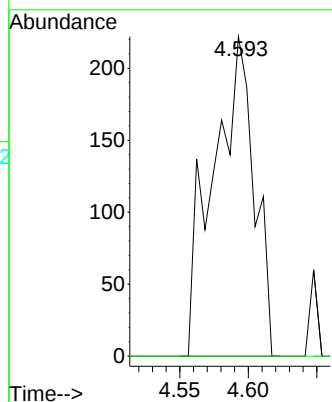
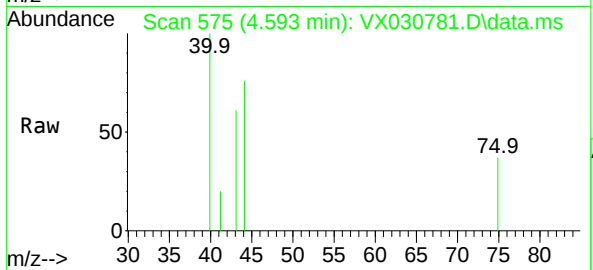




#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

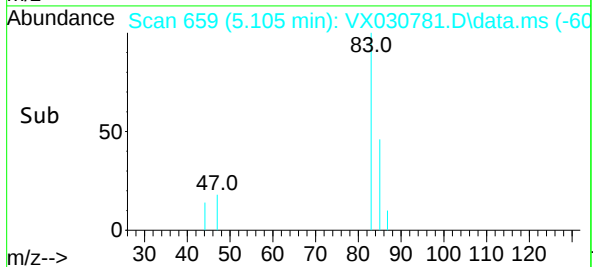
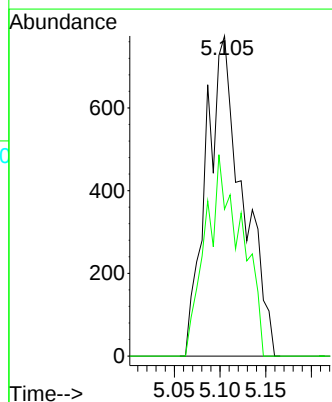
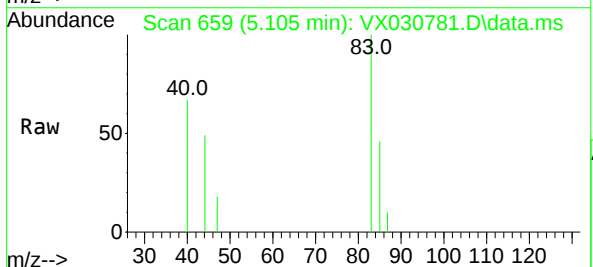
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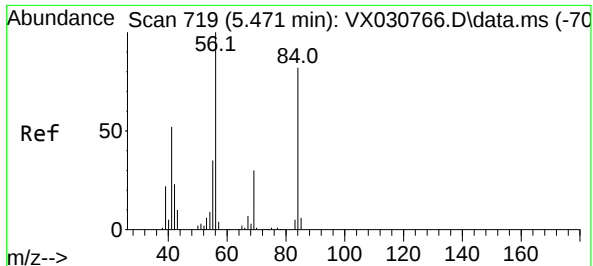
Tgt Ion: 43 Resp: 463
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#30
Chloroform
Concen: 0.487 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 83 Resp: 2149
Ion Ratio Lower Upper
83 100
85 45.9 51.5 77.3#

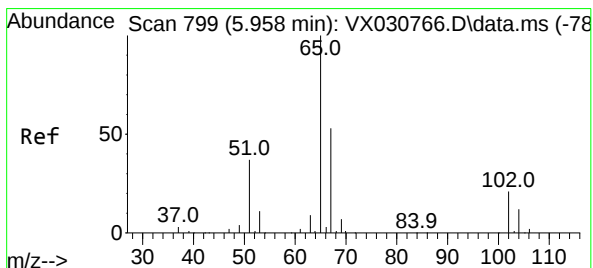
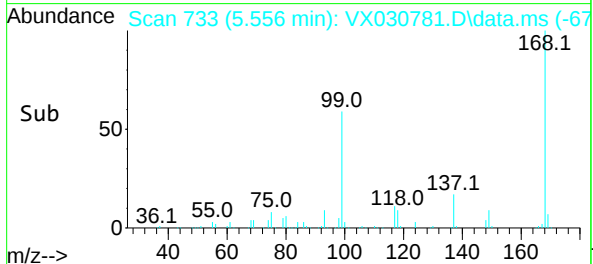
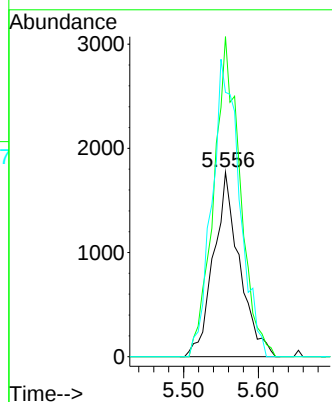
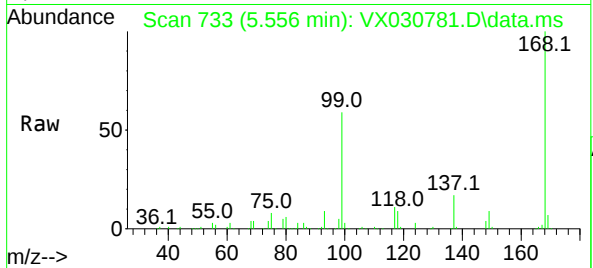




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

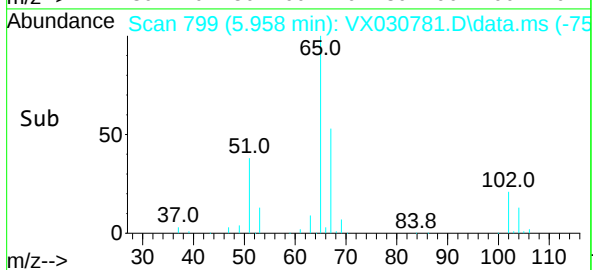
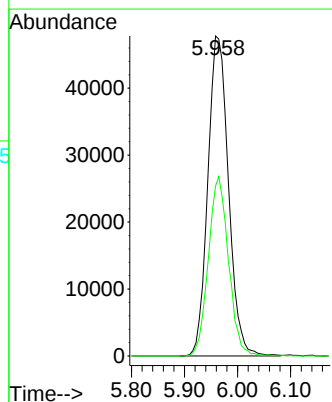
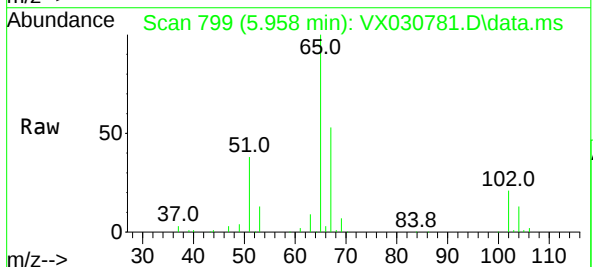
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

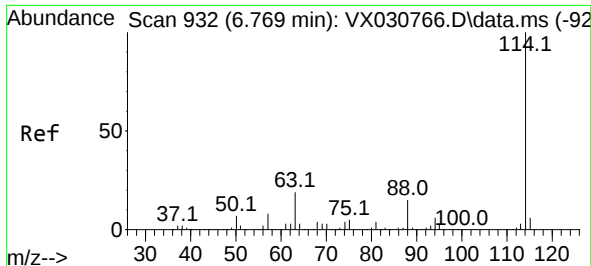
Tgt Ion: 56 Resp: 4284
Ion Ratio Lower Upper
56 100
69 173.5 25.4 38.0#
84 143.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.006 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 65 Resp: 129244
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6

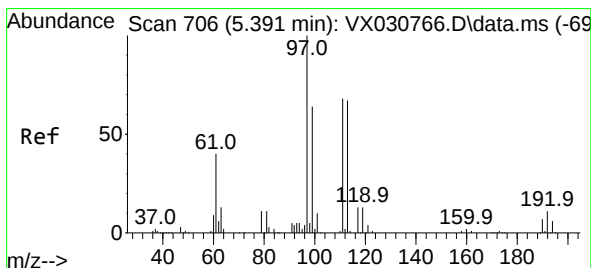
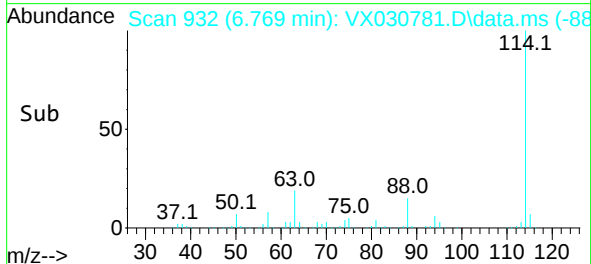
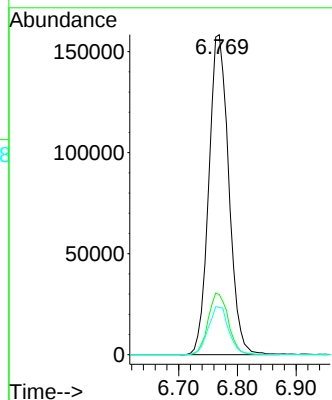
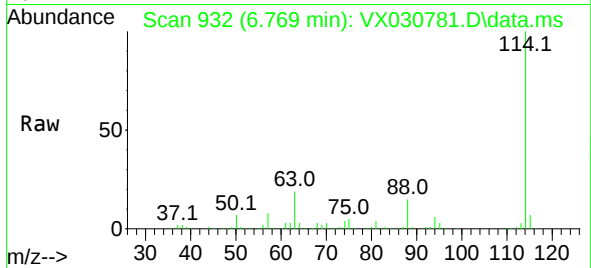




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

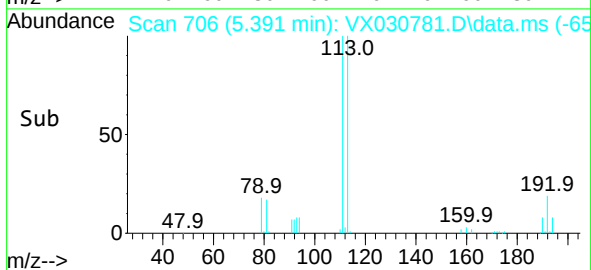
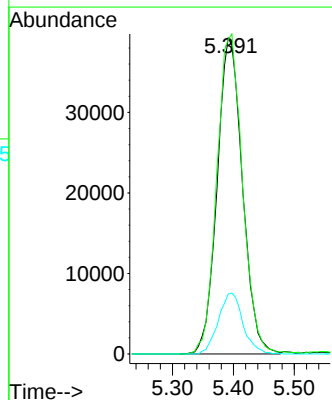
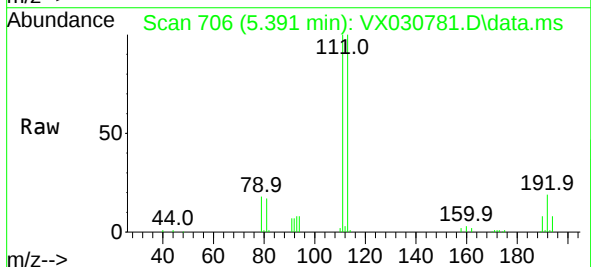
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

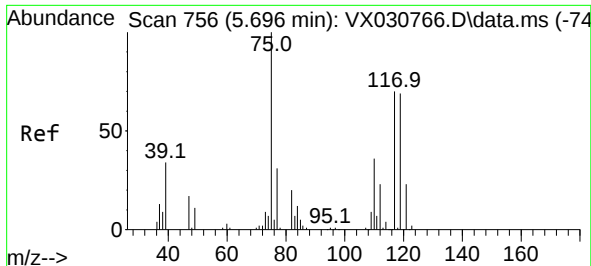
Tgt Ion:114 Resp: 373183
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.310 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion:113 Resp: 113093
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 18.8 14.8 22.2

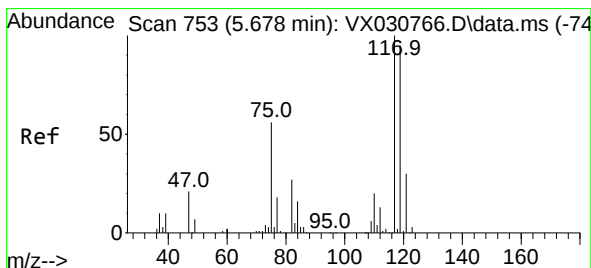
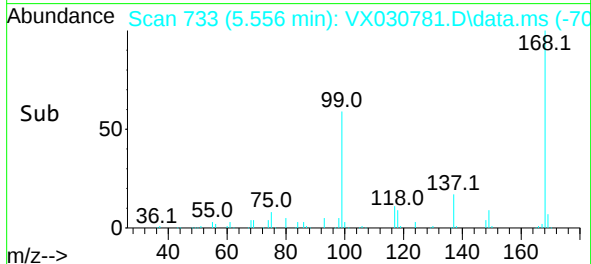
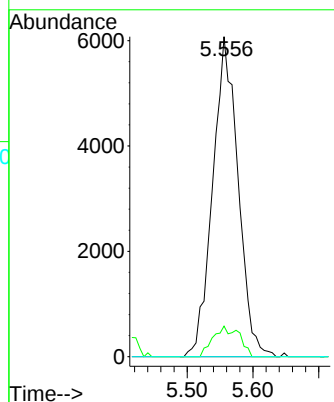
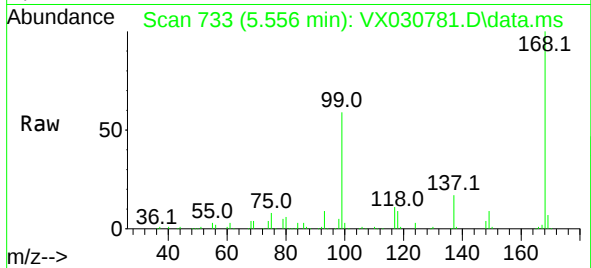




#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

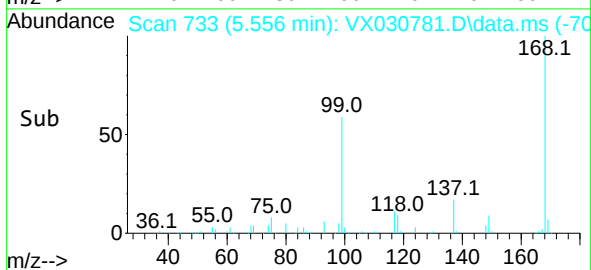
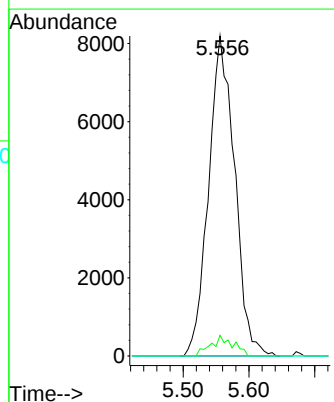
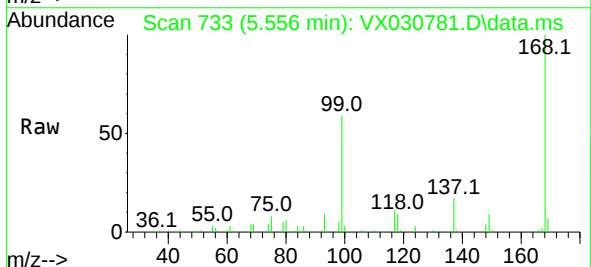
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

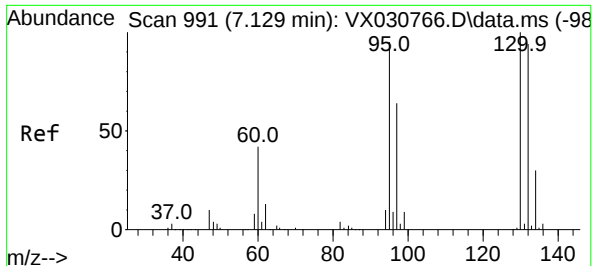
Tgt Ion: 75 Resp: 16304
Ion Ratio Lower Upper
75 100
110 9.8 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.854 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 117 Resp: 22578
Ion Ratio Lower Upper
117 100
119 6.4 74.1 111.1#
121 0.0 25.8 38.8#

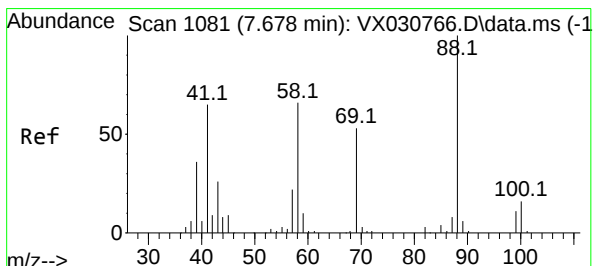
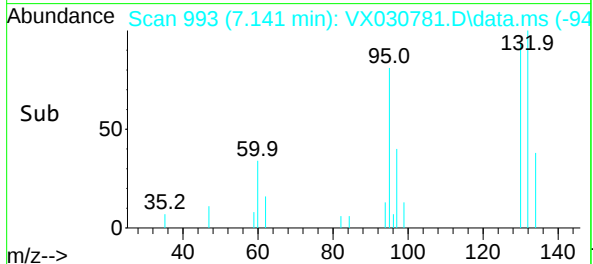
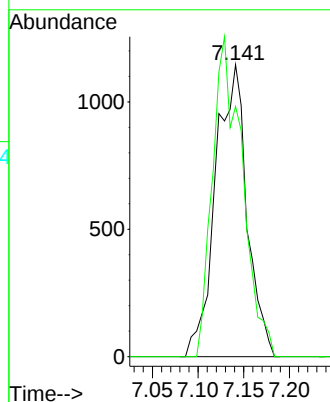
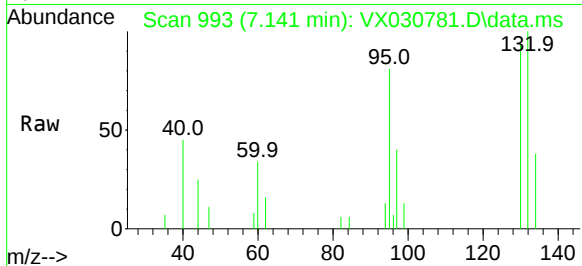




#44
Trichloroethene
Concen: 1.015 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

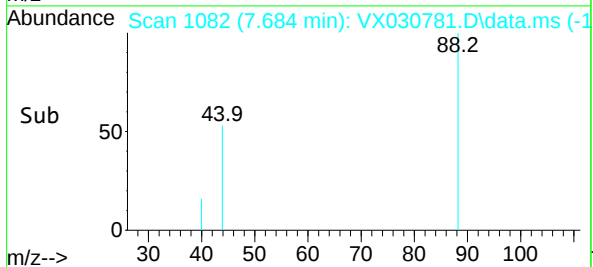
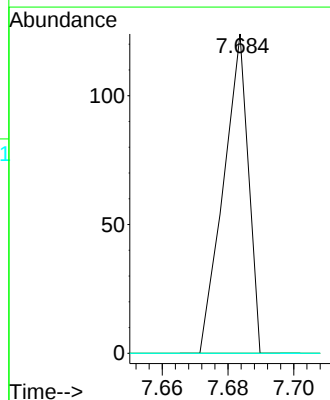
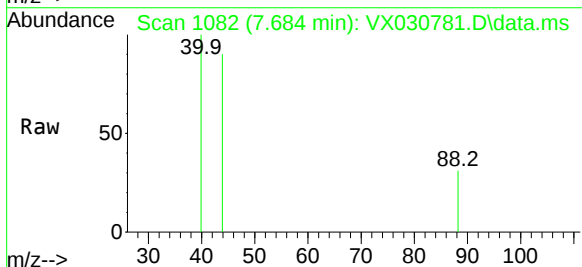
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

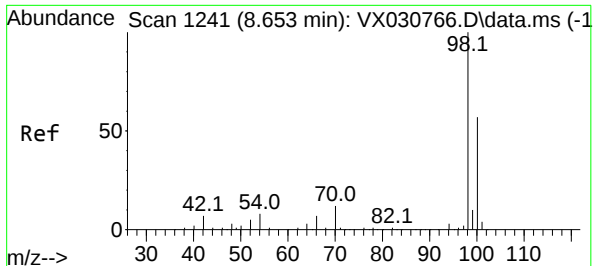
Tgt Ion:130 Resp: 2740
Ion Ratio Lower Upper
130 100
95 85.7 0.0 194.8



#49
1,4-Dioxane
Concen: 0.948 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

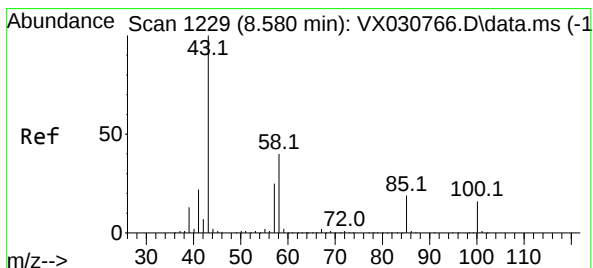
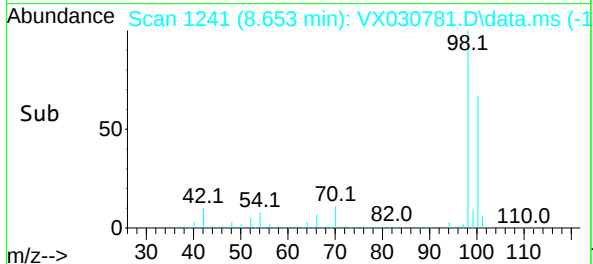
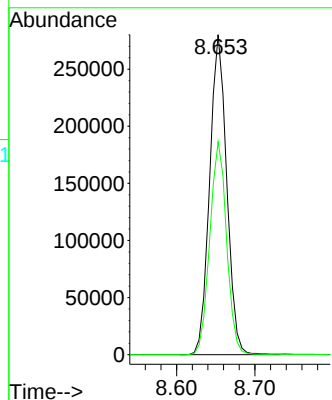
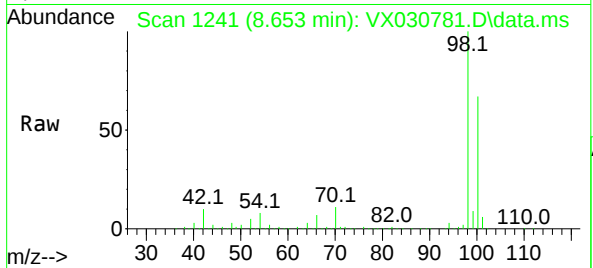




#50
Toluene-d8
Concen: 52.977 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

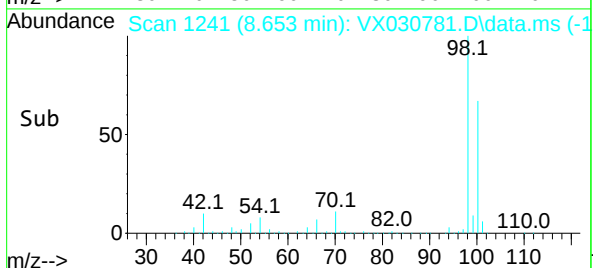
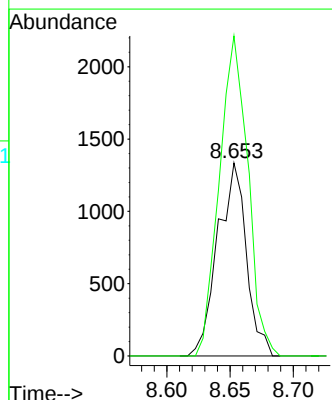
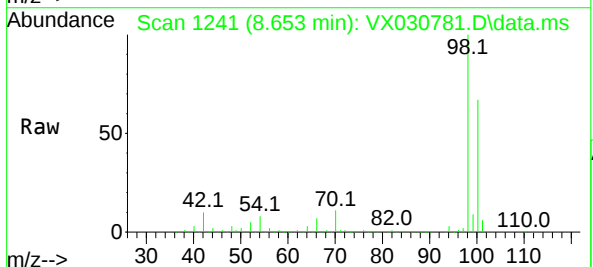
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

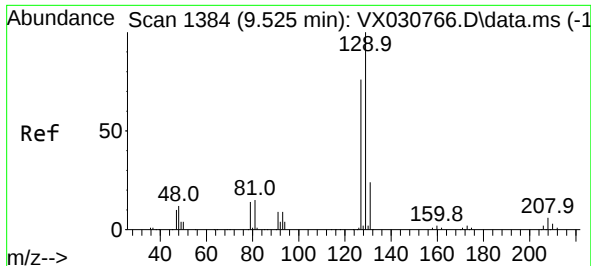
Tgt Ion: 98 Resp: 423399
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
58 165.2 31.4 47.2#

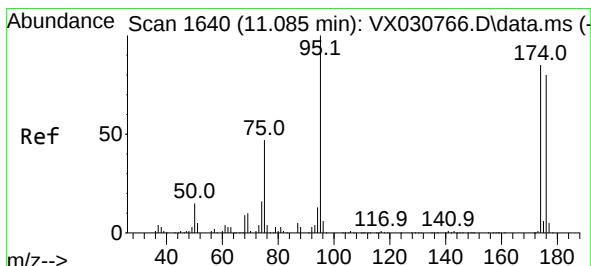
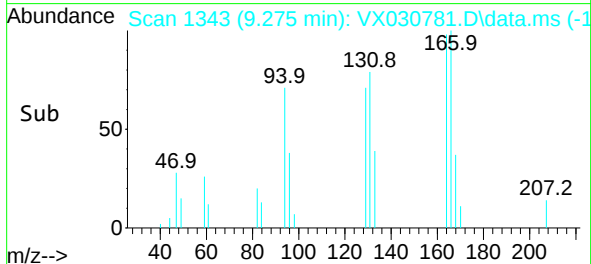
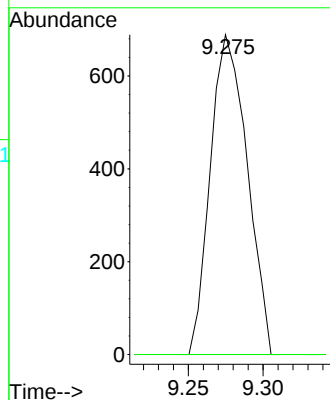
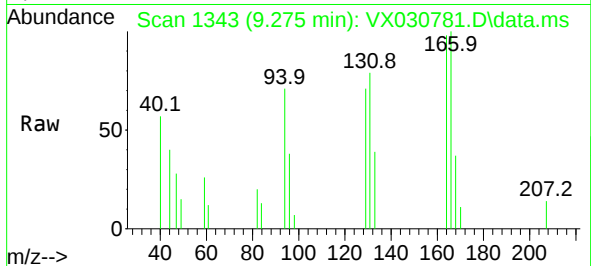




#60
Dibromochloromethane
Concen: 0.436 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

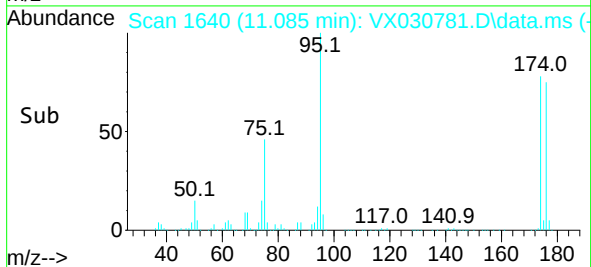
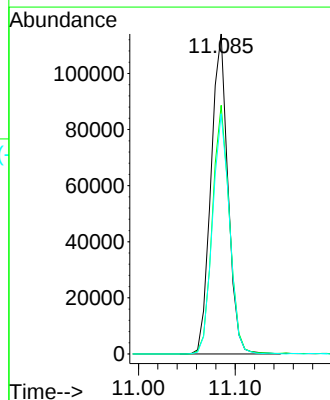
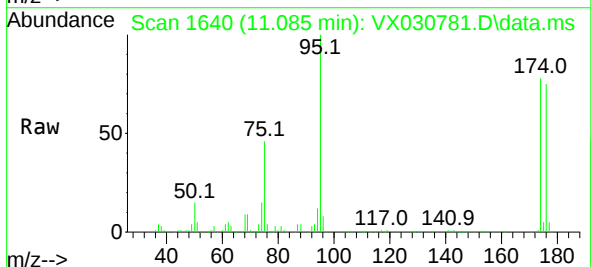
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

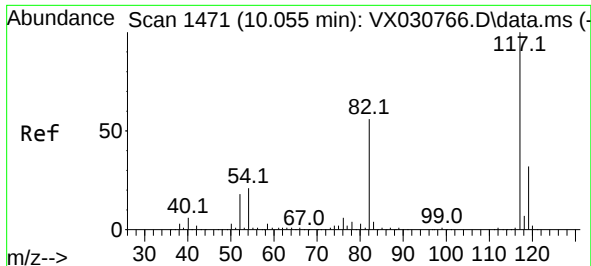
Tgt Ion:129 Resp: 1179
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.851 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion: 95 Resp: 139404
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.0
176 75.2 0.0 146.0

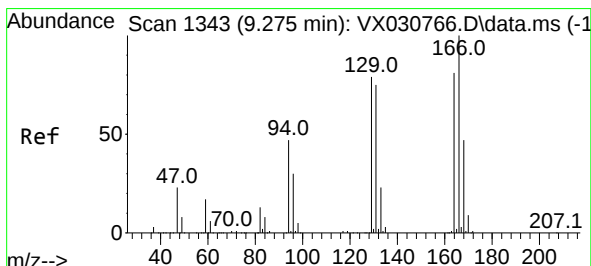
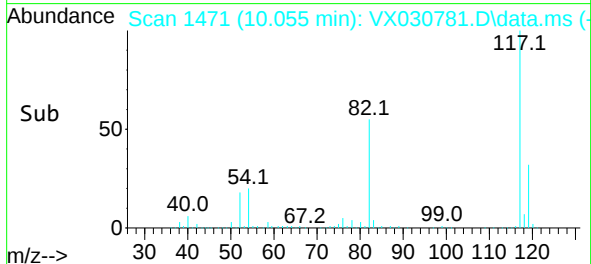
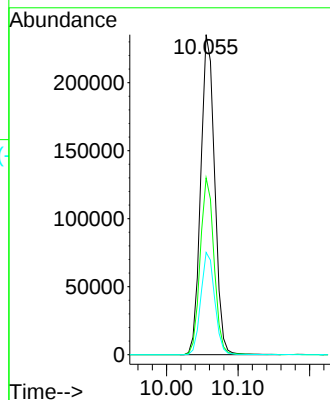
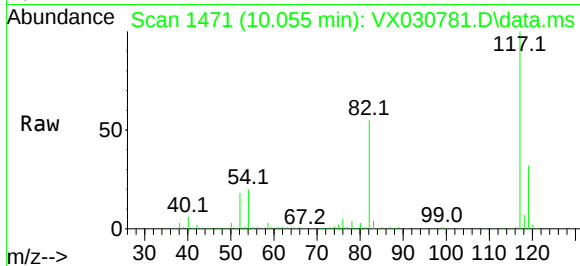




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

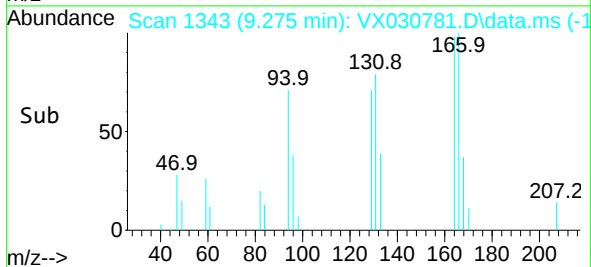
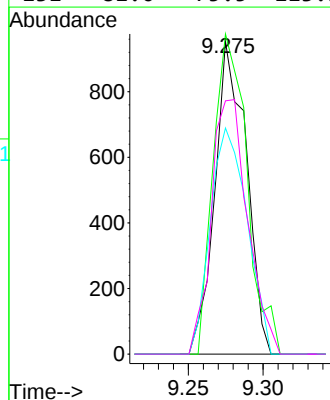
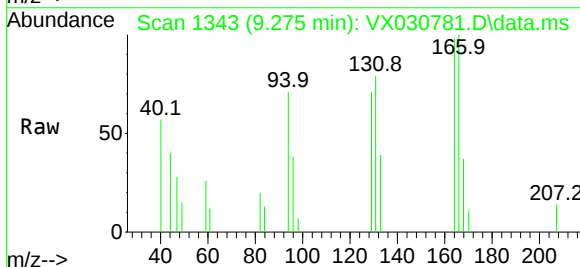
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

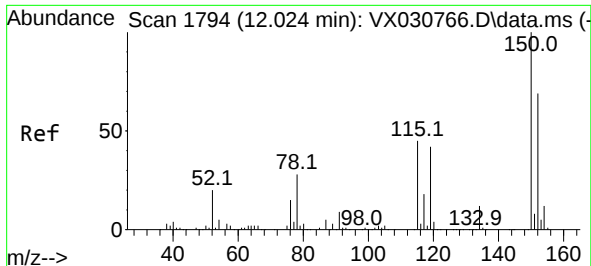
Tgt Ion:117 Resp: 318081
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.555 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030781.D
Acq: 25 Aug 2022 19:09

Tgt Ion:164 Resp: 1390
Ion Ratio Lower Upper
164 100
166 102.4 98.2 147.4
129 72.3 80.8 121.2#
131 81.0 75.5 113.3

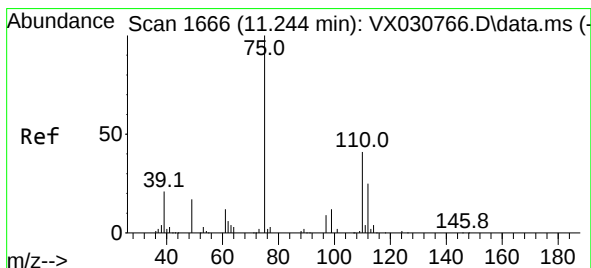
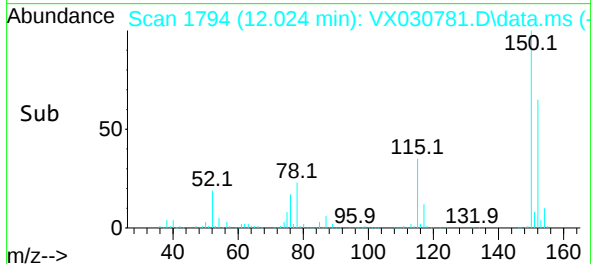
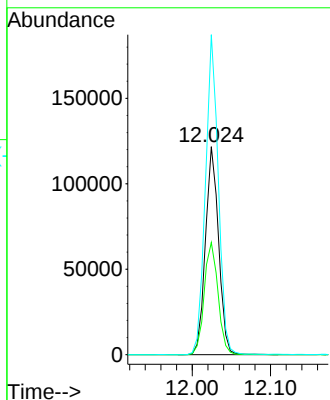
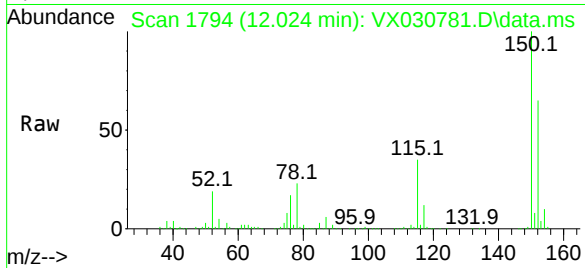




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX030781.D
 Acq: 25 Aug 2022 19:09

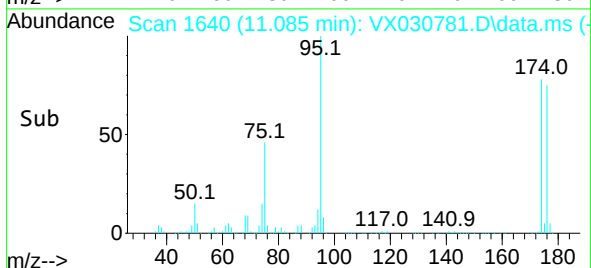
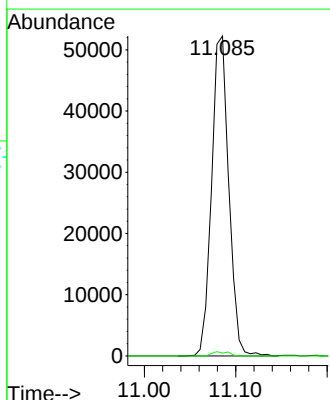
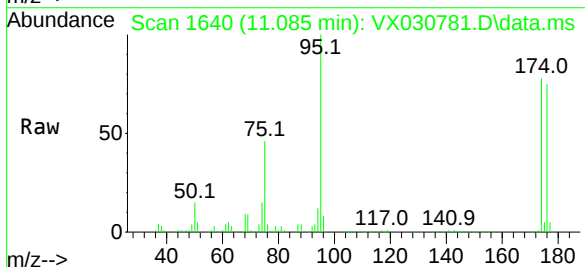
Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20220816

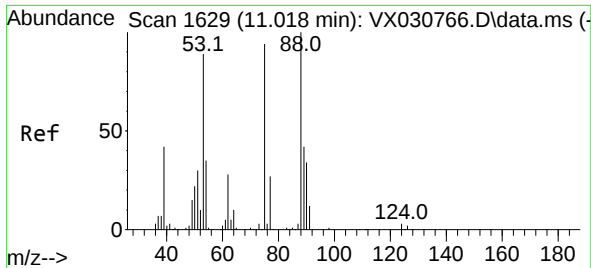
Tgt Ion:152 Resp: 141669
 Ion Ratio Lower Upper
 152 100
 115 56.4 40.5 121.5
 150 150.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.986 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030781.D
 Acq: 25 Aug 2022 19:09

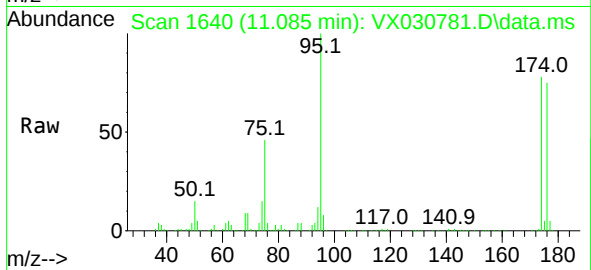
Tgt Ion: 75 Resp: 68240
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.937 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030781.D
 Acq: 25 Aug 2022 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20220816



Tgt Ion: 75 Resp: 68240
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

