

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030780.D
 Acq On : 25 Aug 2022 18:46
 Operator : JC/MD
 Sample : N4245-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20220816

Quant Time: Aug 26 02:41:23 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)

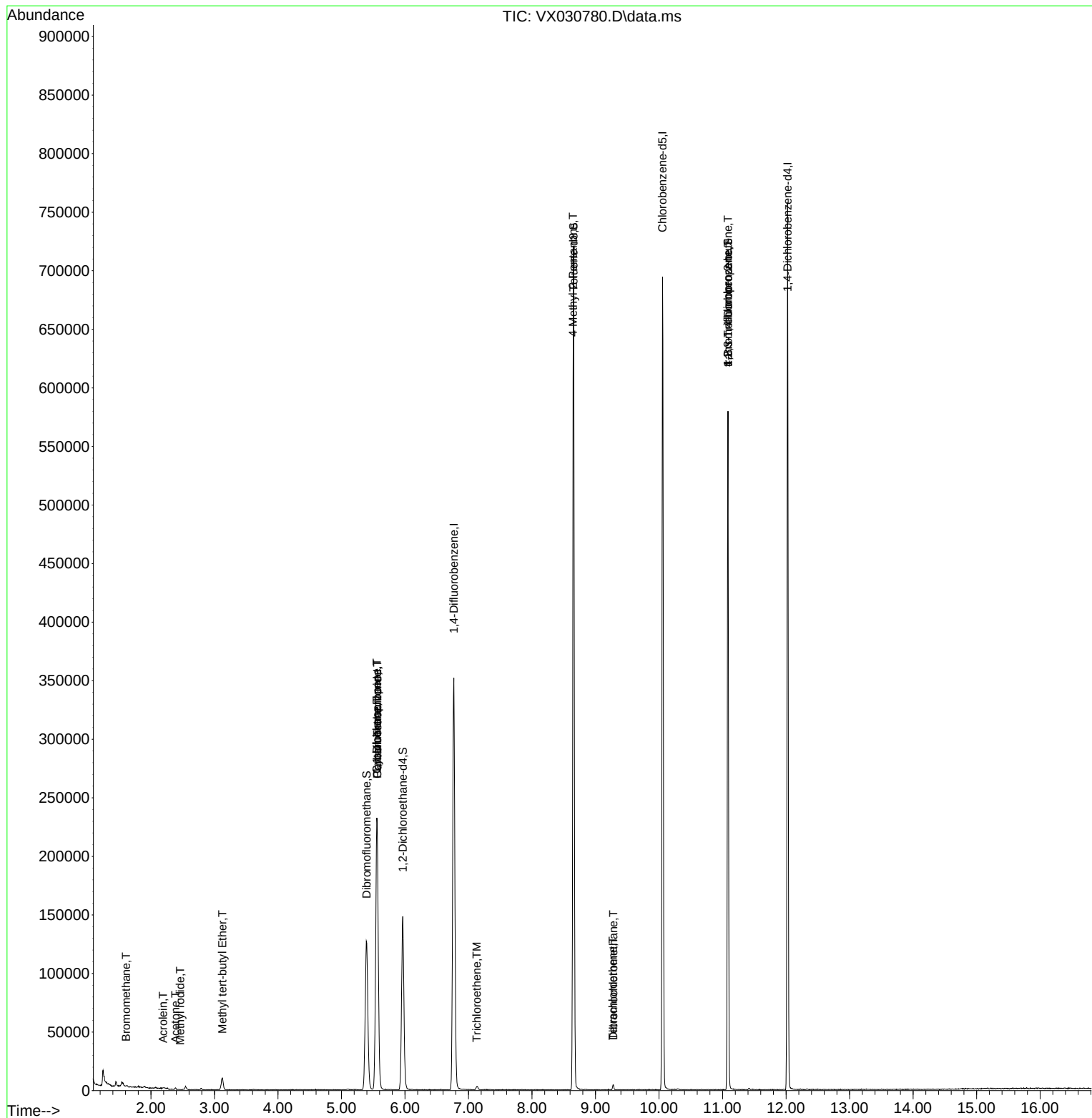
Internal Standards						
1) Pentafluorobenzene	5.562	168	221527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	371078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	135995	52.190	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	5.397	113	112585	49.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.740%			
50) Toluene-d8	8.653	98	433752	54.580	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.160%			
62) 4-Bromofluorobenzene	11.085	95	149326	50.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	378	Below Cal	#	77
4) Vinyl Chloride	1.526	62	45	Below Cal	#	47
5) Bromomethane	1.605	94	357	0.346	ug/l #	47
6) Chloroethane	1.660	64	296	Below Cal	#	41
10) Methyl Iodide	2.459	142	58	4.059	ug/l #	45
13) Acrolein	2.191	56	30	10.110	ug/l #	32
16) Acetone	2.386	43	1584	1.315	ug/l #	80
17) Carbon Disulfide	2.514	76	354	Below Cal	#	74
19) Methyl tert-butyl Ether	3.123	73	10685	1.537	ug/l	91
20) Methylene Chloride	2.788	84	540	Below Cal	#	88
31) Cyclohexane	5.556	56	4537	1.362	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17327	5.579	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21802	6.656	ug/l #	19
44) Trichloroethene	7.129	130	1211	0.451	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	1739	0.465	ug/l #	1
60) Dibromochloromethane	9.281	129	677	0.252	ug/l #	11
64) Tetrachloroethene	9.275	164	936	0.364	ug/l #	57
76) 1,2,3-Trichloropropane	11.085	75	75046	22.215	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	75046	71.674	ug/l #	13

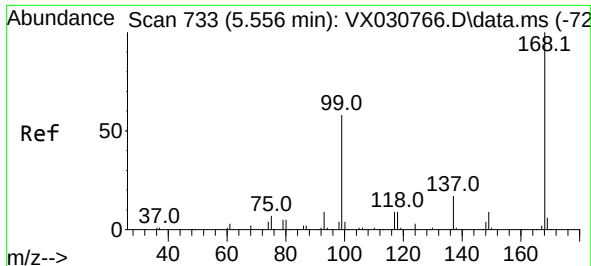
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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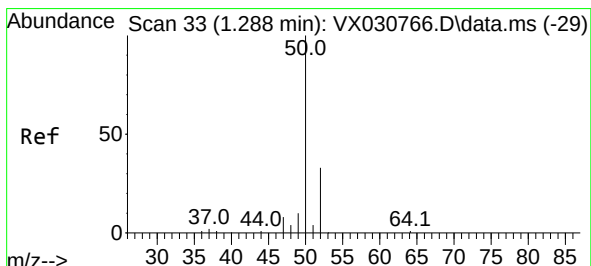
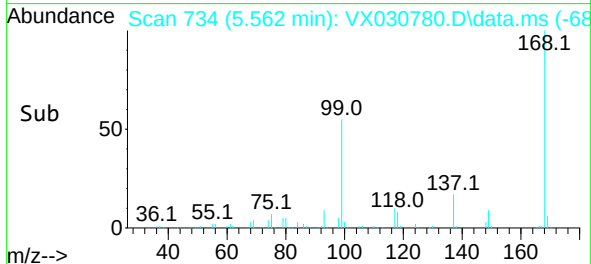
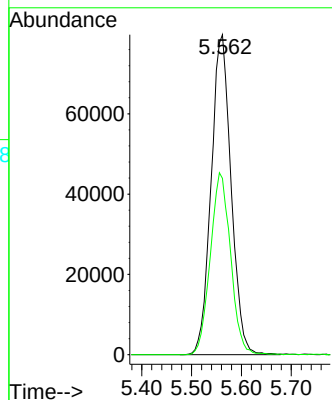
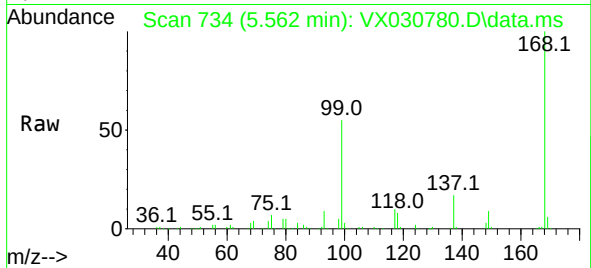




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

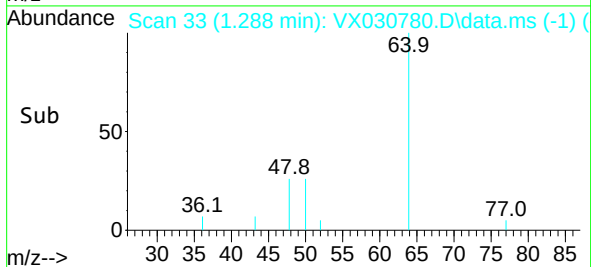
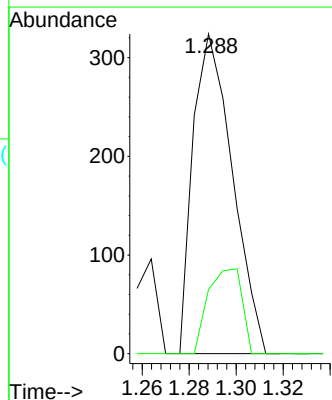
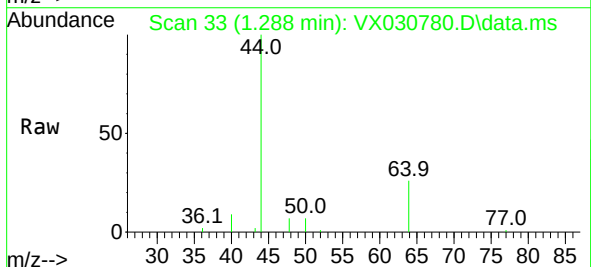
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

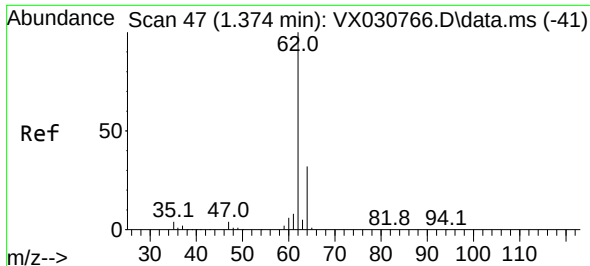
Tgt Ion:168 Resp: 221527
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 20.1 26.3 39.5#

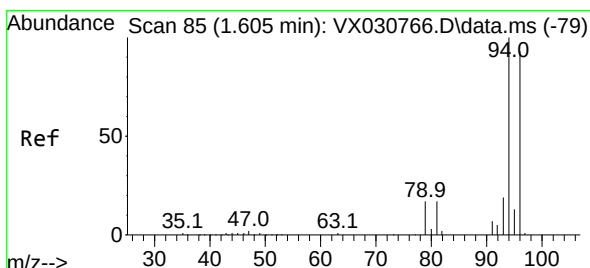
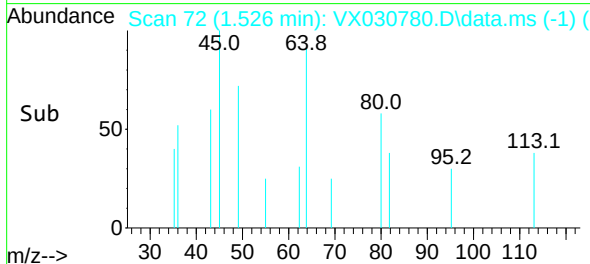
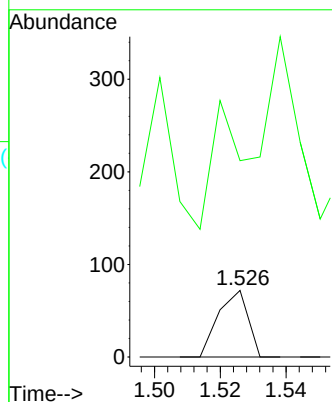
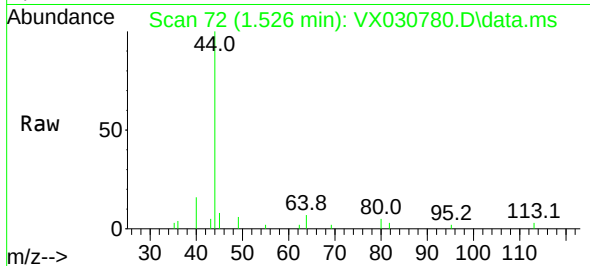




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.526 min Scan# 71
 Delta R.T. 0.152 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

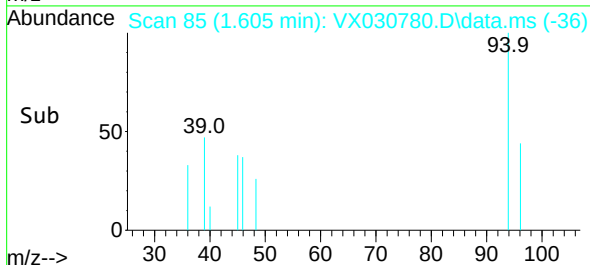
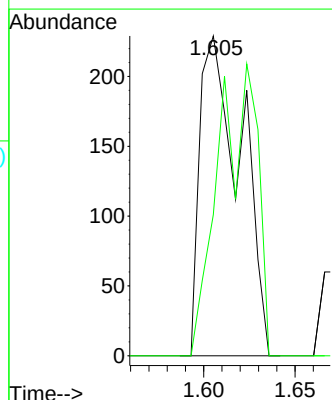
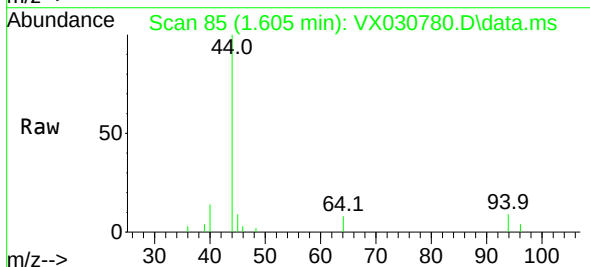
Instrument :
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 ClientSampleId :
 MW178S-20220816

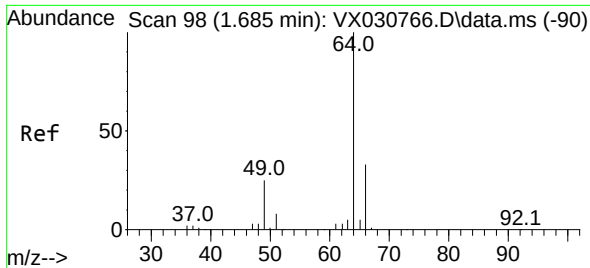
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 61.1 25.2 37.8#



#5
 Bromomethane
 Concen: 0.346 ug/l
 RT: 1.605 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

Tgt Ion: 94 Resp: 357
 Ion Ratio Lower Upper
 94 100
 96 44.1 76.9 115.3#

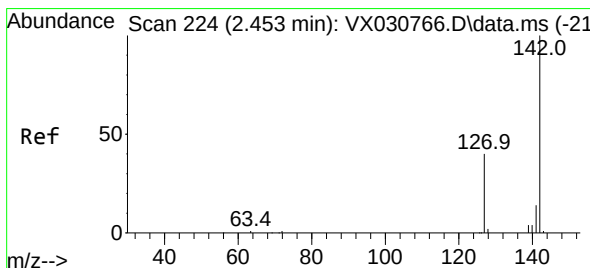
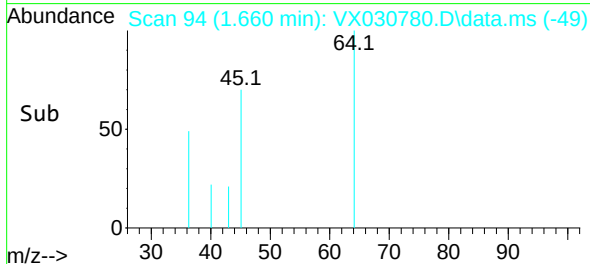
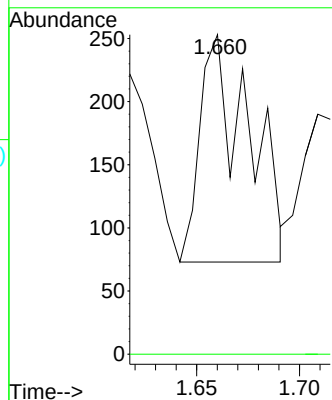
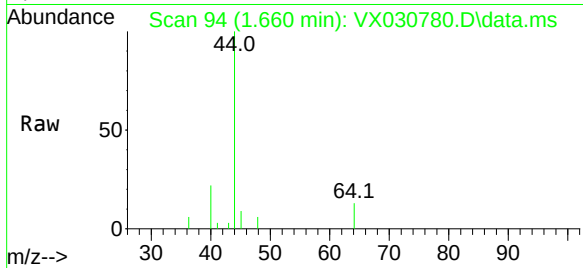




#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

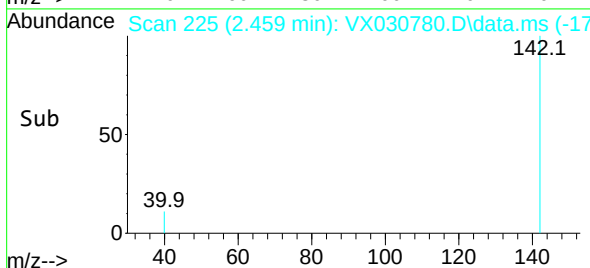
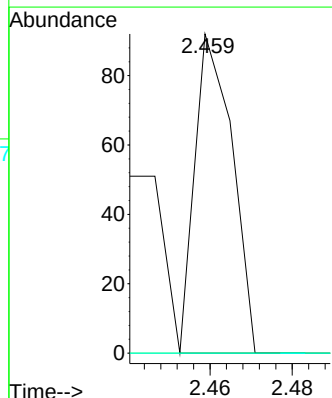
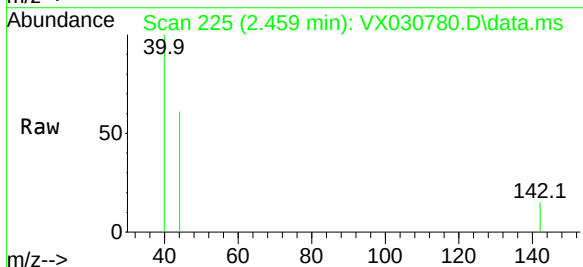
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

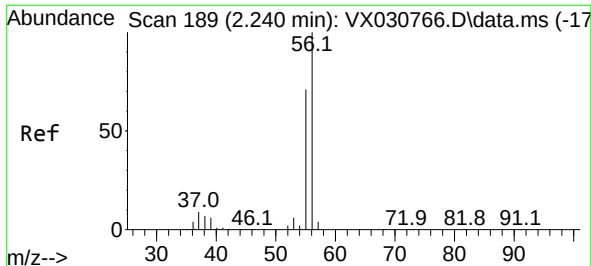
Tgt Ion: 64 Resp: 296
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.059 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion: 142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

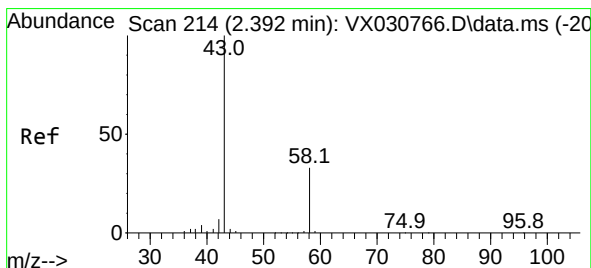
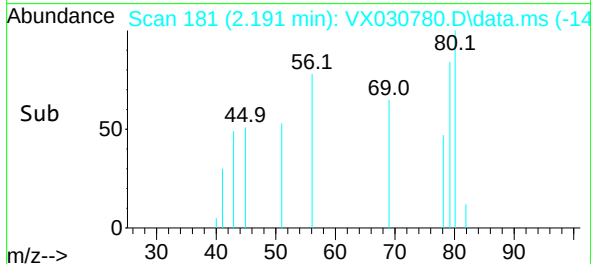
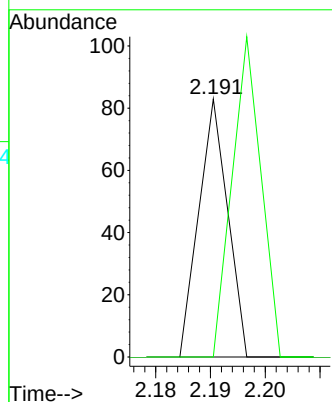
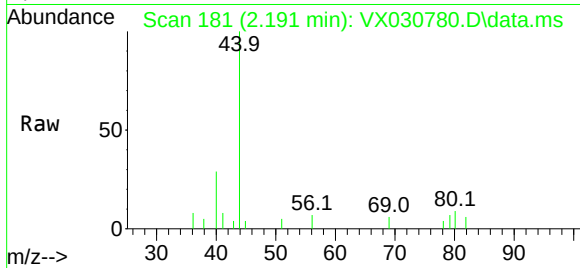




#13
Acrolein
Concen: 10.110 ug/l
RT: 2.191 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

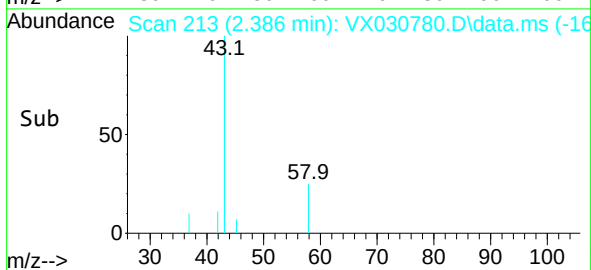
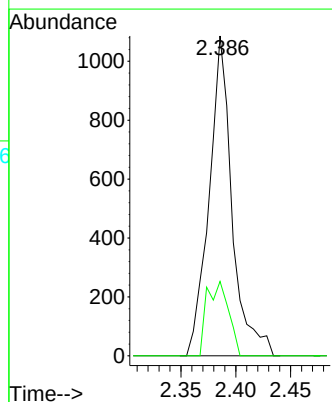
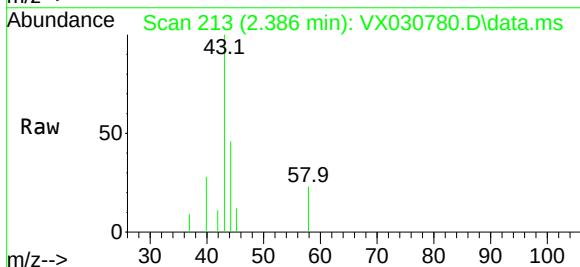
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

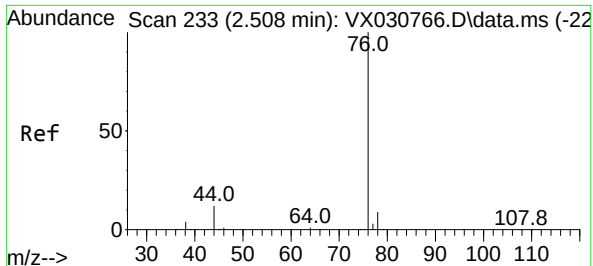
Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 126.7 56.6 84.8#



#16
Acetone
Concen: 1.315 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
58 23.3 27.7 41.5#

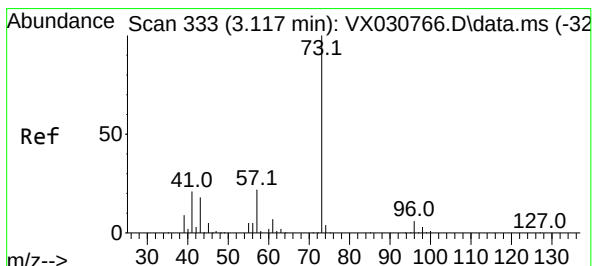
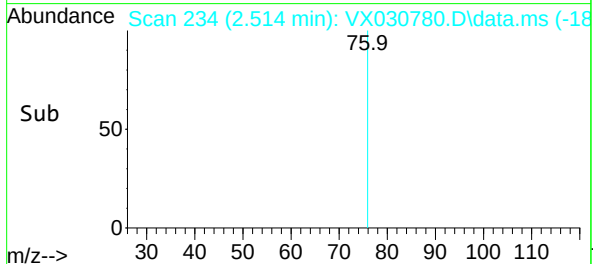
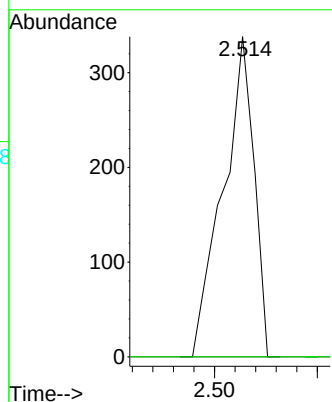
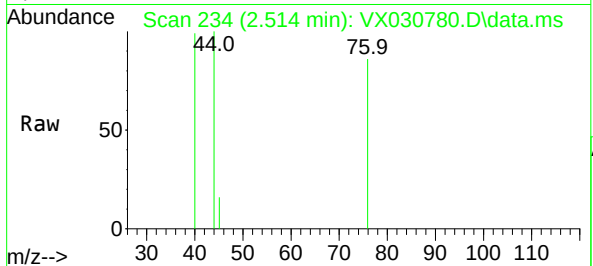




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

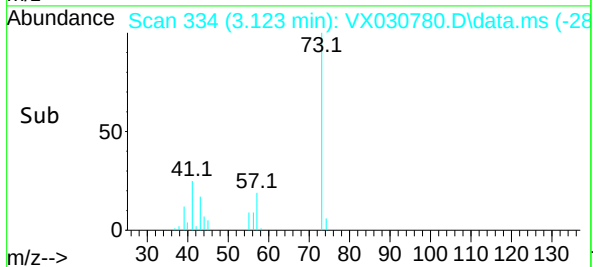
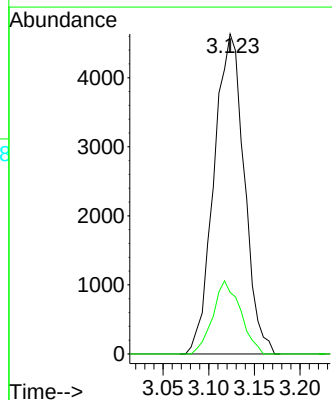
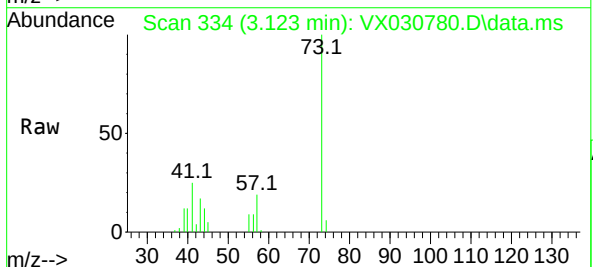
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

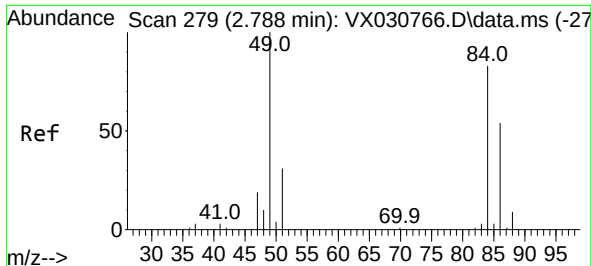
Tgt Ion: 76 Resp: 354
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#19
Methyl tert-butyl Ether
Concen: 1.537 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

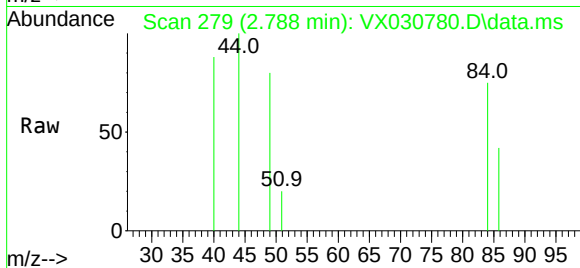
Tgt Ion: 73 Resp: 10685
Ion Ratio Lower Upper
73 100
57 19.2 19.0 28.6



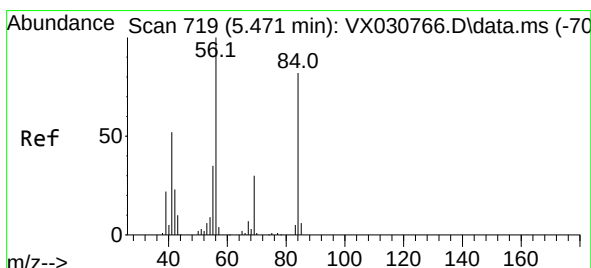
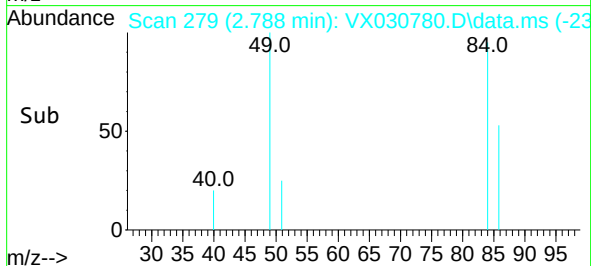
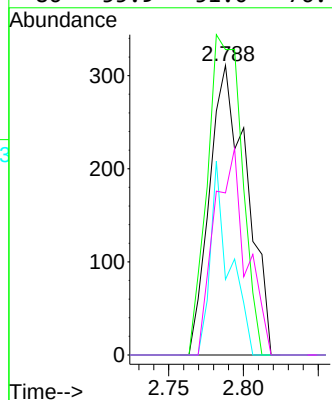


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Instrument :
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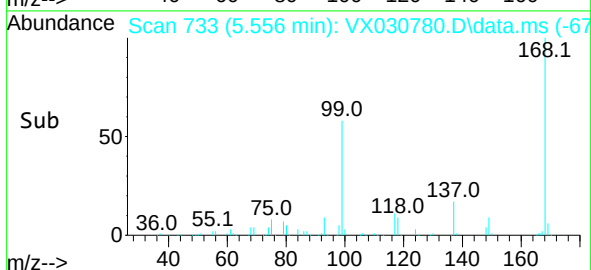
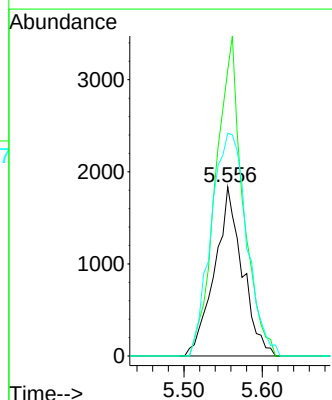
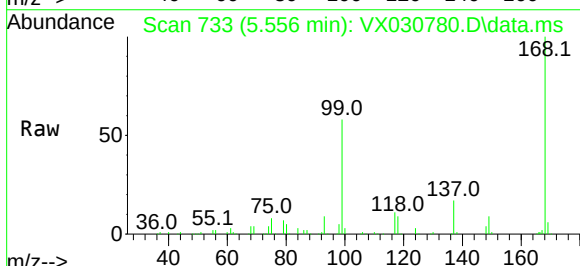


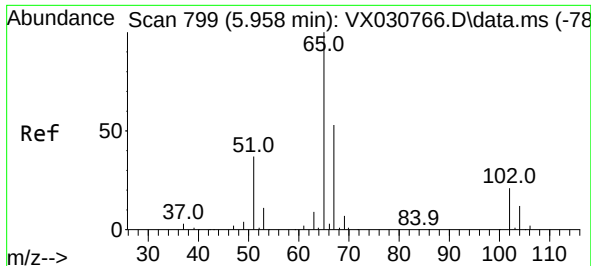
Tgt Ion:	84	Resp:	540
Ion	Ratio	Lower	Upper
84	100		
49	105.5	93.8	140.6
51	26.0	29.4	44.0#
86	55.9	51.0	76.4



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion:	56	Resp:	4537
Ion	Ratio	Lower	Upper
56	100		
69	168.9	25.4	38.0#
84	131.8	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 52.190 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030780.D

Acq: 25 Aug 2022 18:46

Instrument :

MSVOA_X

ClientSampleId :

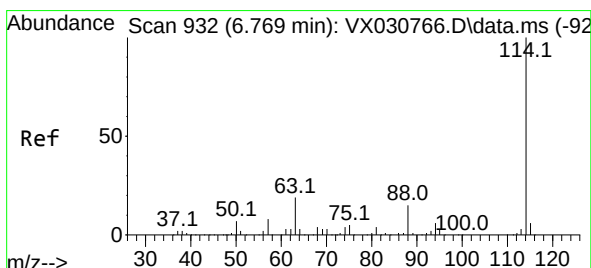
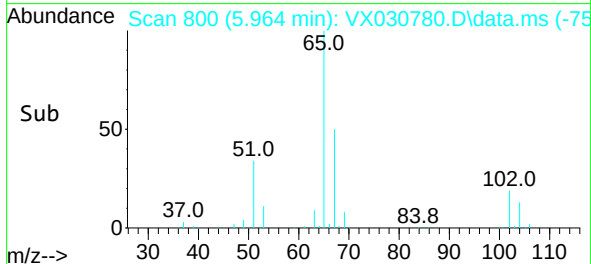
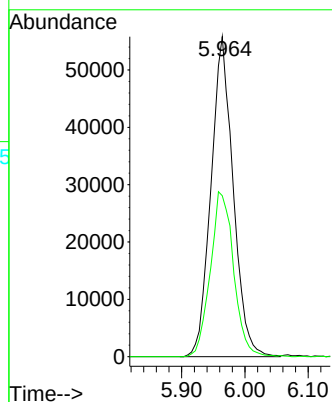
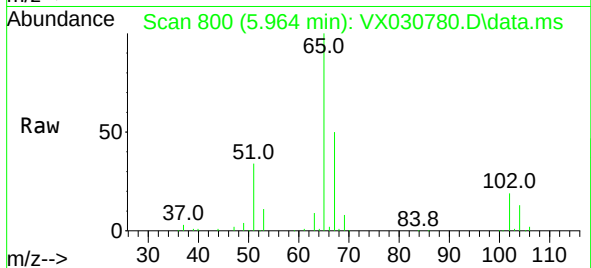
MW178S-20220816

Tgt Ion: 65 Resp: 135995

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030780.D

Acq: 25 Aug 2022 18:46

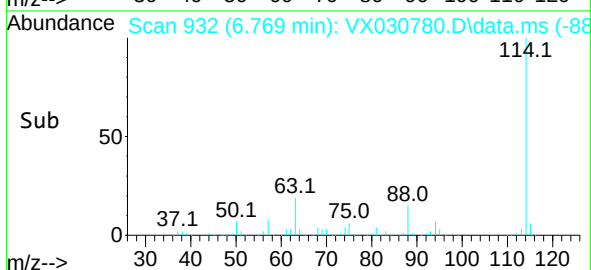
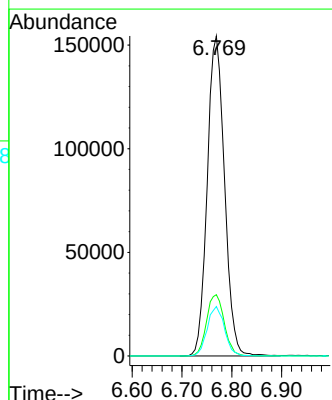
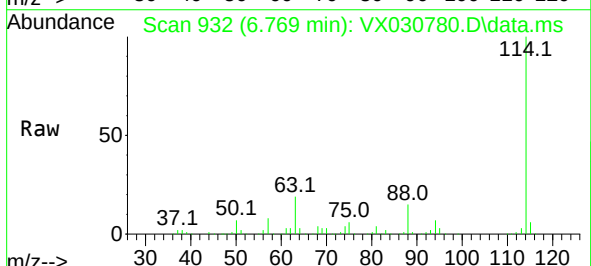
Tgt Ion: 114 Resp: 371078

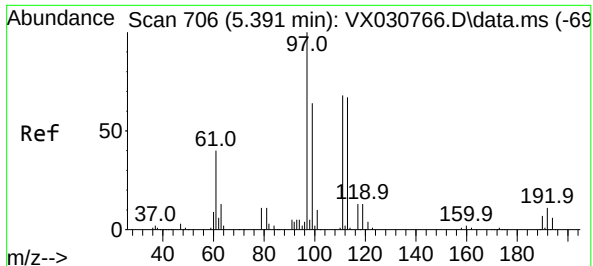
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.5 0.0 31.8

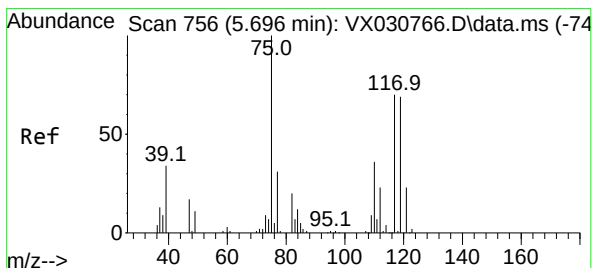
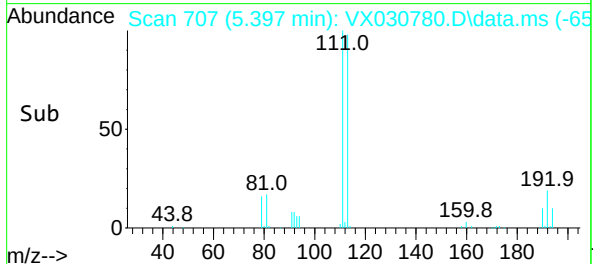
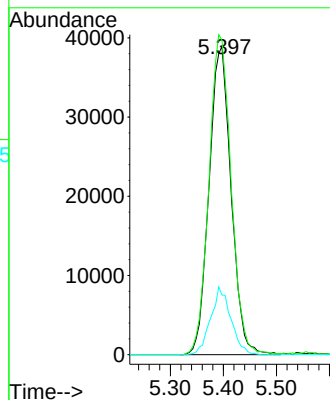
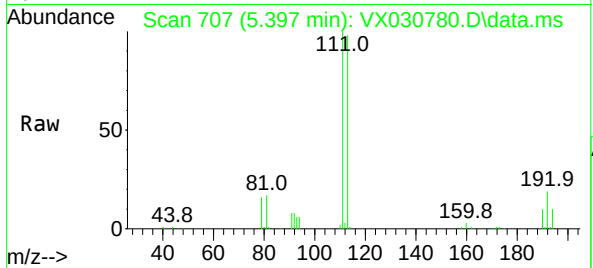




#35
Dibromofluoromethane
Concen: 49.367 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

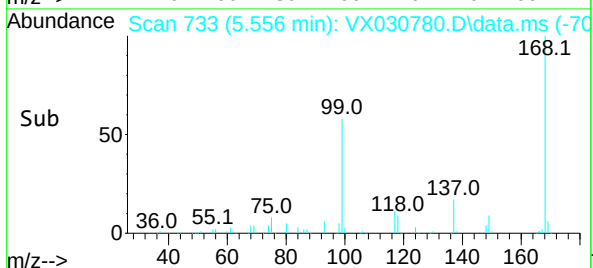
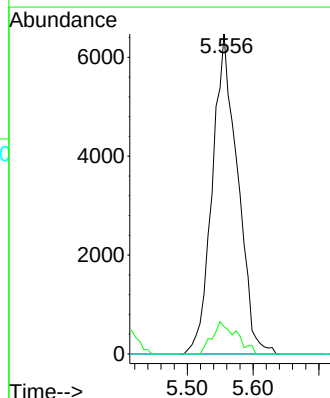
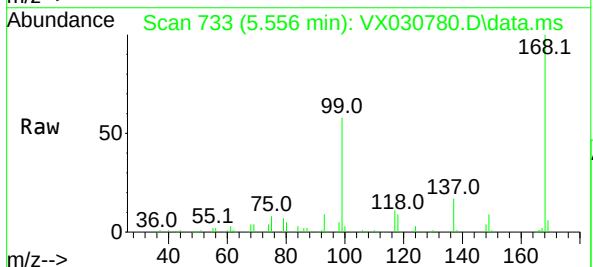
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

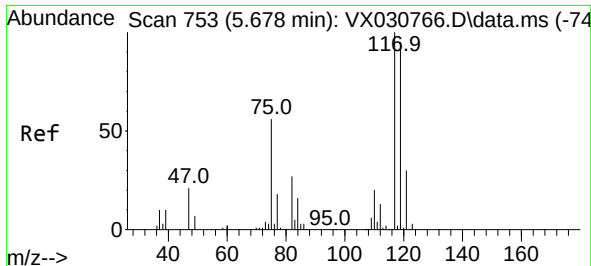
Tgt Ion:113 Resp: 112585
Ion Ratio Lower Upper
113 100
111 104.7 83.2 124.8
192 20.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.579 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

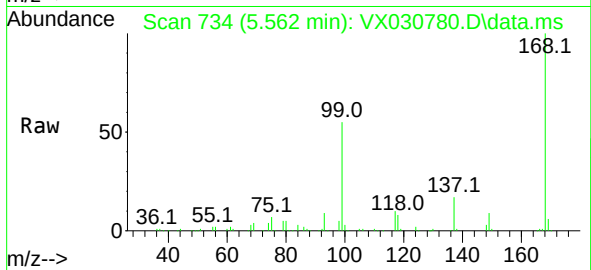
Tgt Ion: 75 Resp: 17327
Ion Ratio Lower Upper
75 100
110 9.7 19.3 57.9#
77 0.0 24.4 36.6#



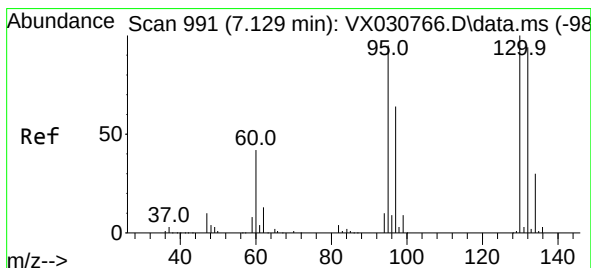
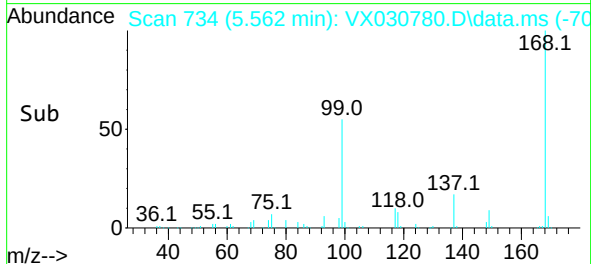
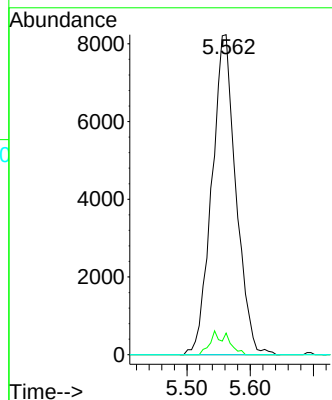


#38
Carbon Tetrachloride
Concen: 6.656 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

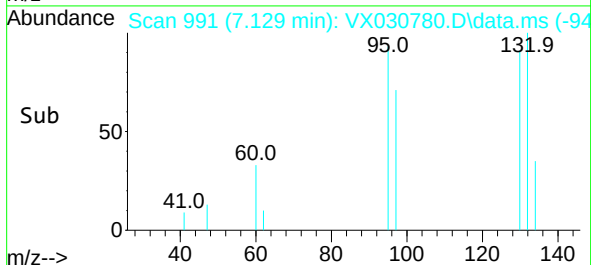
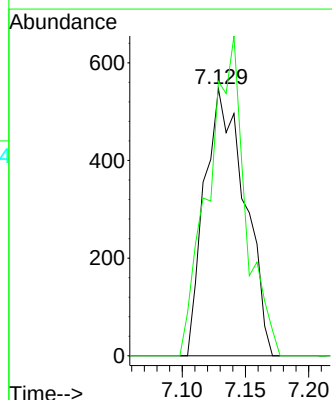
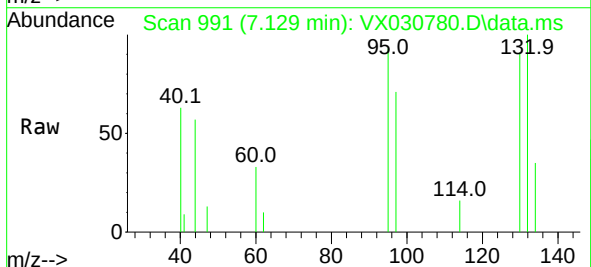


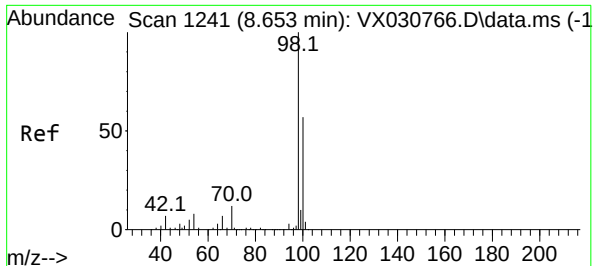
Tgt Ion:117 Resp: 21802
Ion Ratio Lower Upper
117 100
119 6.7 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.451 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion:130 Resp: 1211
Ion Ratio Lower Upper
130 100
95 102.7 0.0 194.8

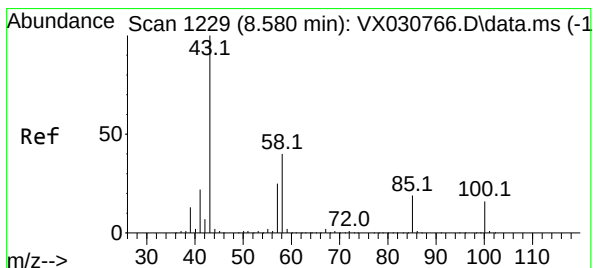
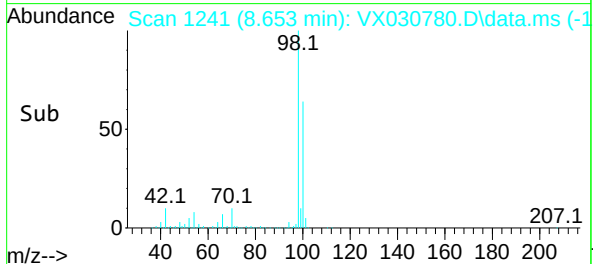
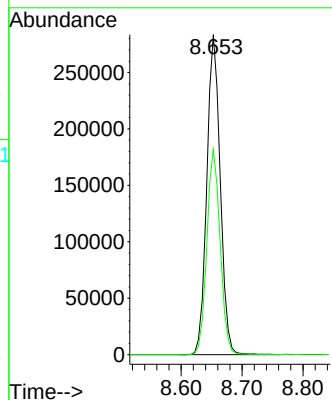
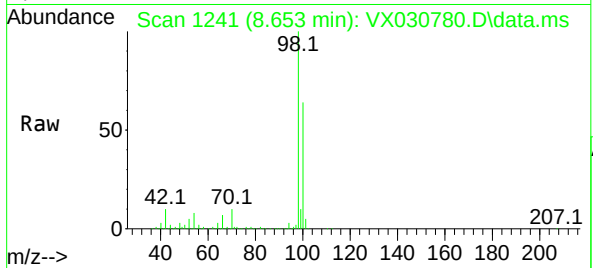




#50
Toluene-d8
Concen: 54.580 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

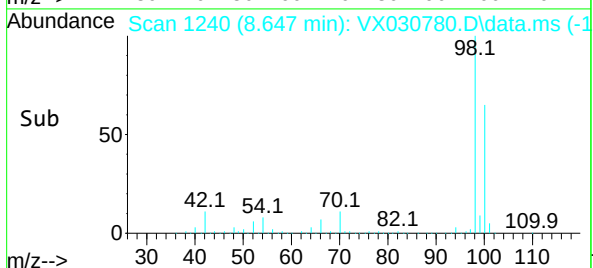
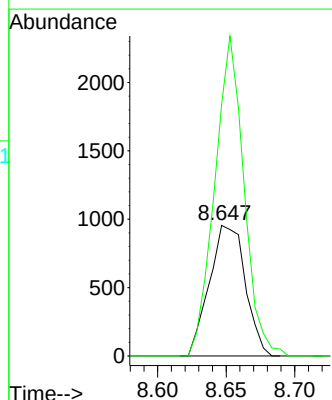
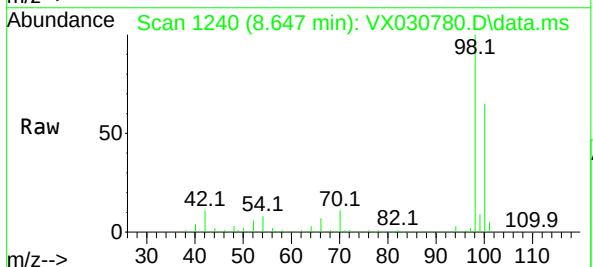
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

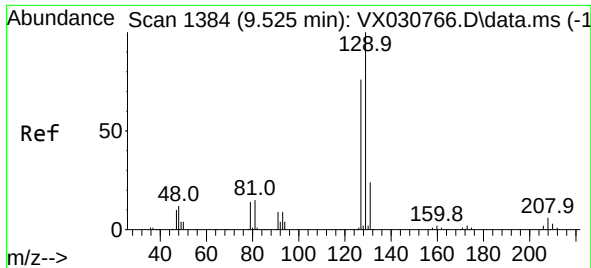
Tgt Ion: 98 Resp: 433752
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.465 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 199.7 31.4 47.2#

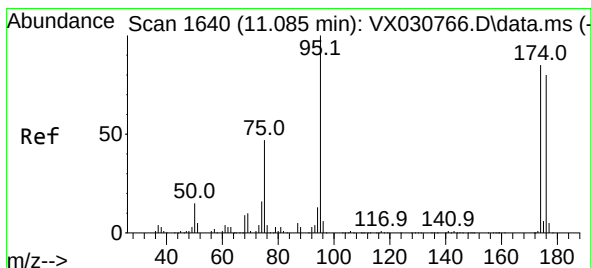
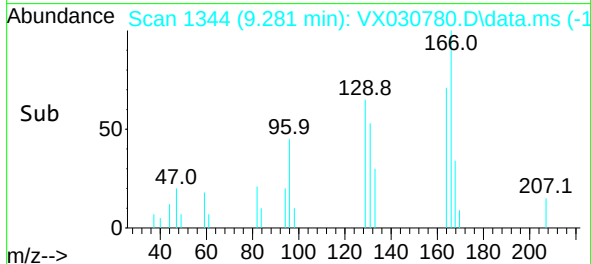
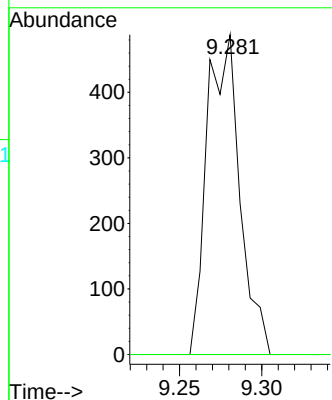
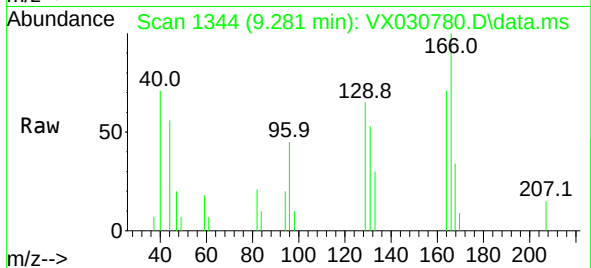




#60
 Dibromochloromethane
 Concen: 0.252 ug/l
 RT: 9.281 min Scan# 11
 Delta R.T. -0.244 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

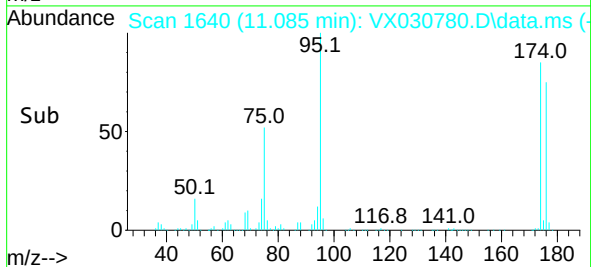
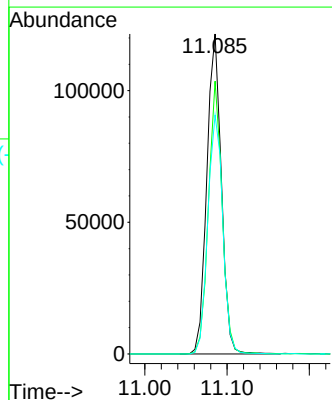
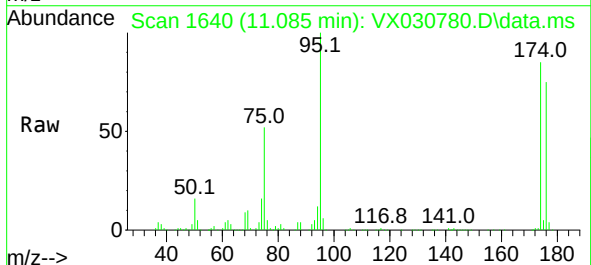
Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20220816

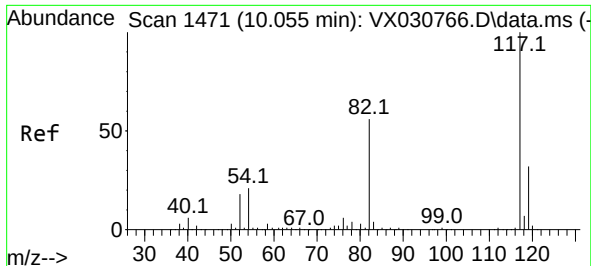
Tgt Ion:129 Resp: 677
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 50.470 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

Tgt Ion: 95 Resp: 149326
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 149.0
 176 76.6 0.0 146.0

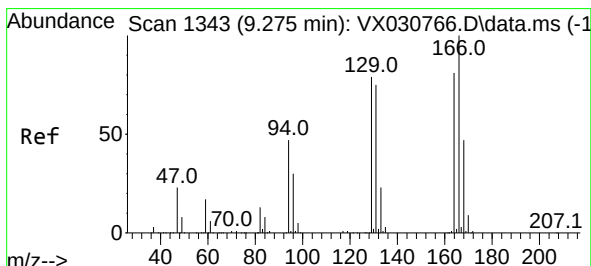
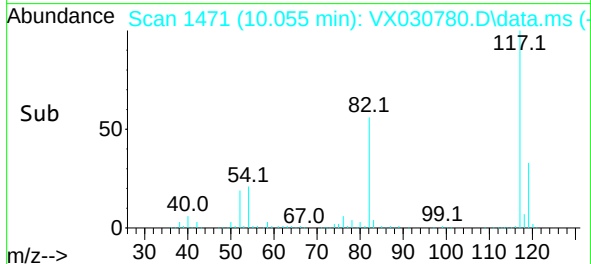
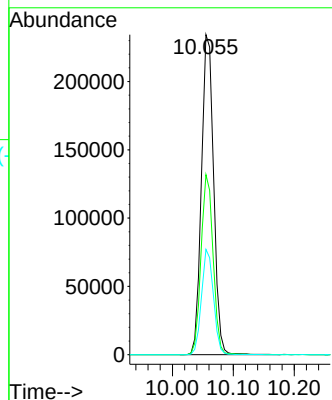
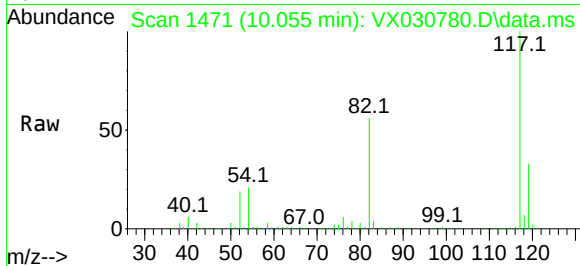




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

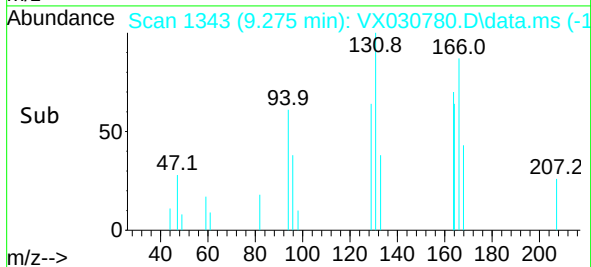
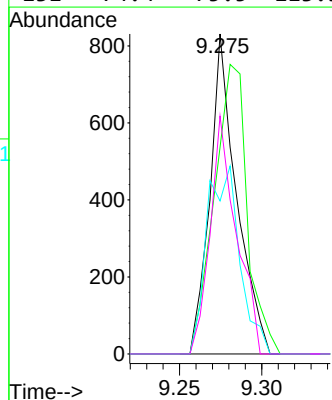
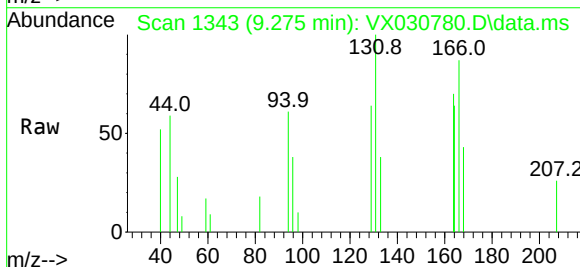
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20220816

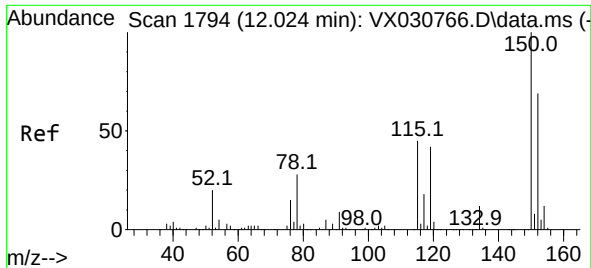
Tgt Ion:117 Resp: 326620
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 32.9 25.4 38.2



#64
Tetrachloroethene
Concen: 0.364 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030780.D
Acq: 25 Aug 2022 18:46

Tgt Ion:164 Resp: 936
Ion Ratio Lower Upper
164 100
166 64.6 98.2 147.4#
129 47.8 80.8 121.2#
131 74.4 75.5 113.3#

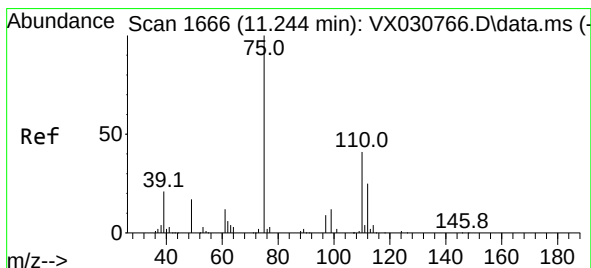
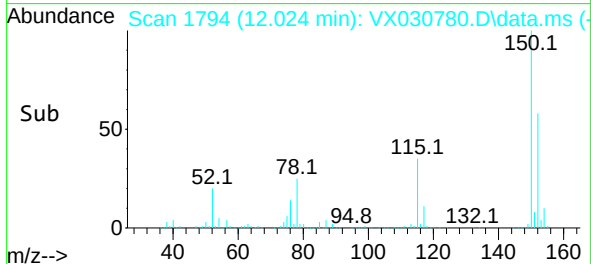
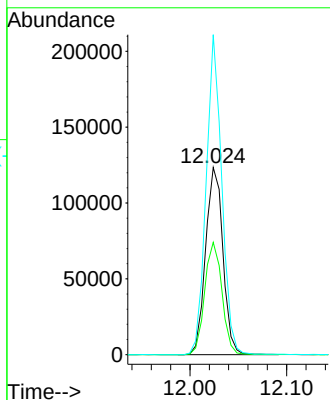
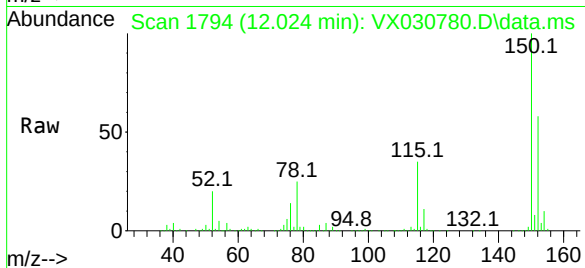




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

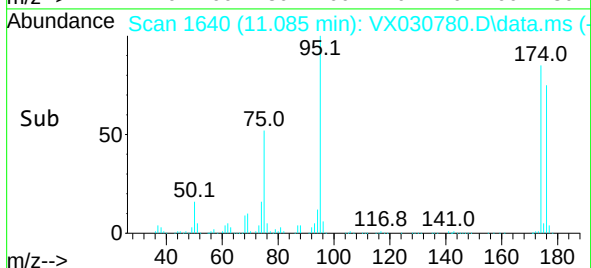
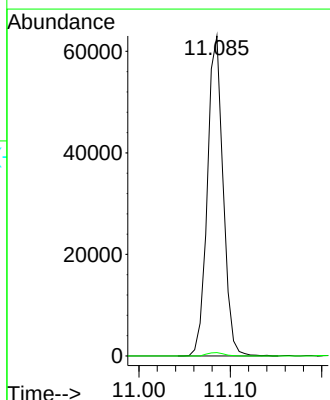
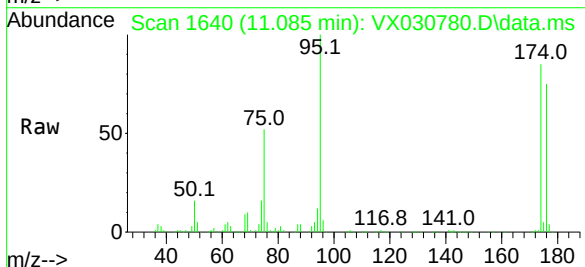
Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20220816

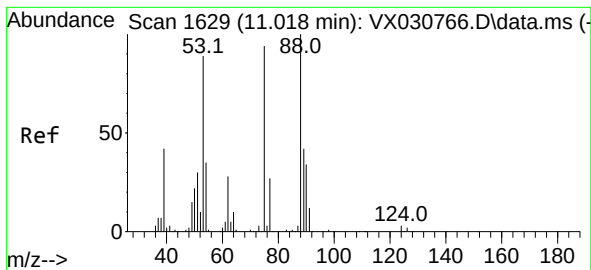
Tgt Ion:152 Resp: 154196
 Ion Ratio Lower Upper
 152 100
 115 60.0 40.5 121.5
 150 154.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.215 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

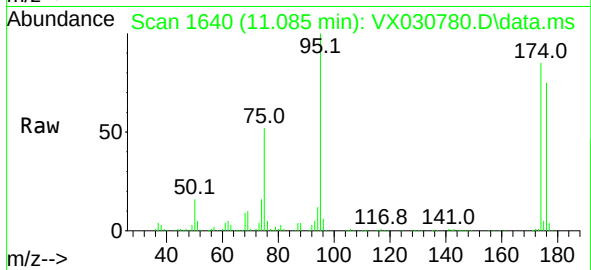
Tgt Ion: 75 Resp: 75046
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.674 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030780.D
 Acq: 25 Aug 2022 18:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20220816



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

