

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082522\
 Data File : VX030783.D
 Acq On : 25 Aug 2022 19:57
 Operator : JC/MD
 Sample : N4245-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20220816

Quant Time: Aug 26 02:41:57 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)

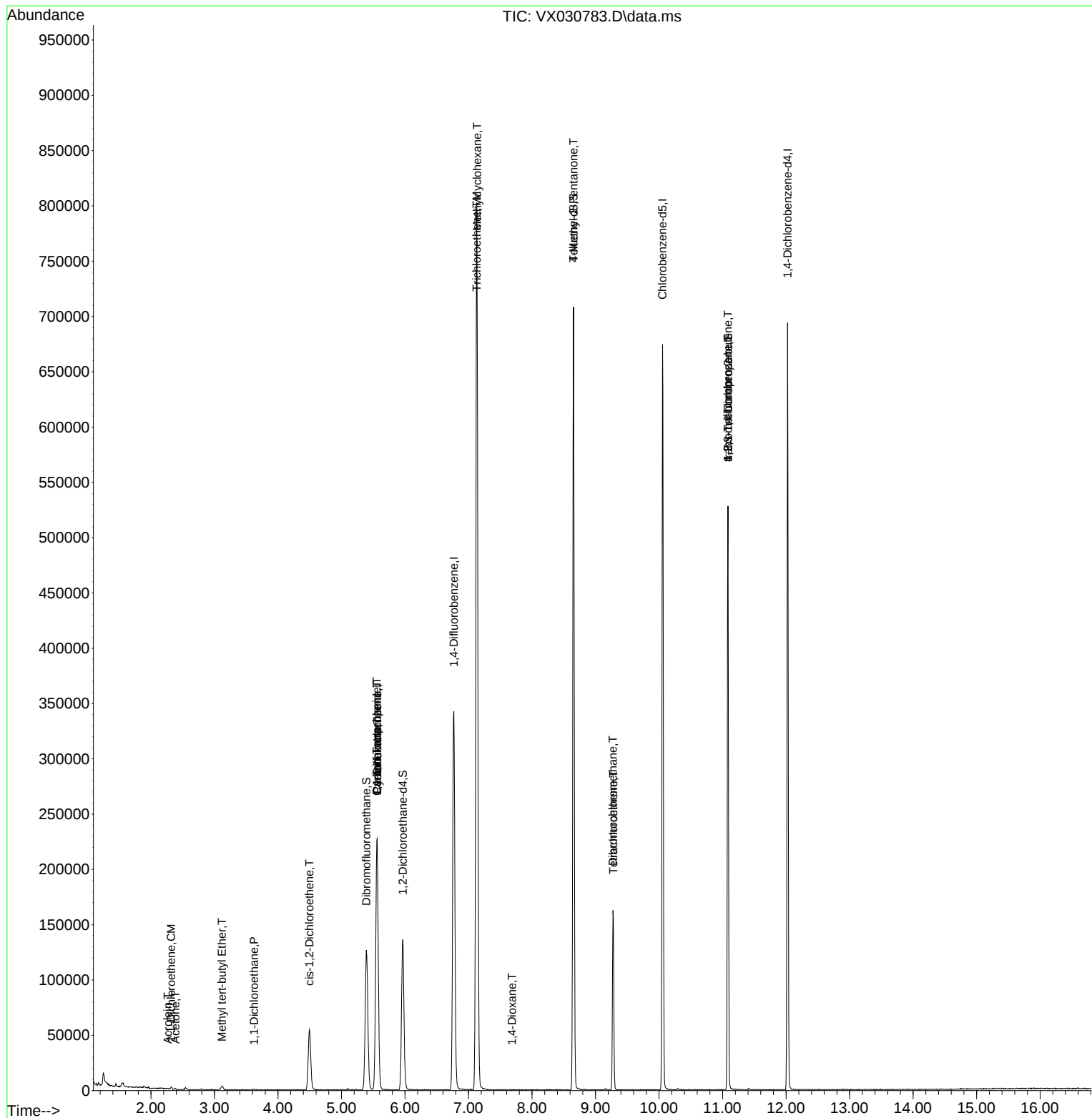
Internal Standards						
1) Pentafluorobenzene	5.562	168	216992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	316894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	130629	51.179	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.360%			
35) Dibromofluoromethane	5.391	113	113642	50.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	8.653	98	428966	54.444	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.880%			
62) 4-Bromofluorobenzene	11.085	95	141540	48.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	310	Below Cal	#	42
4) Vinyl Chloride	1.368	62	21	Below Cal	#	1
6) Chloroethane	1.666	64	213	Below Cal		94
12) 1,1-Dichloroethene	2.319	96	895	0.455	ug/l	91
13) Acrolein	2.264	56	49	10.148	ug/l	98
16) Acetone	2.386	43	1246	1.056	ug/l #	86
17) Carbon Disulfide	2.520	76	381	Below Cal	#	74
19) Methyl tert-butyl Ether	3.117	73	3618	0.531	ug/l #	88
20) Methylene Chloride	2.800	84	405	Below Cal	#	51
24) 1,1-Dichloroethane	3.623	63	1030	0.249	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	36604	14.023	ug/l	94
31) Cyclohexane	5.562	56	4112	1.260	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16633	5.402	ug/l #	48
38) Carbon Tetrachloride	5.556	117	20972	6.457	ug/l #	17
39) Methylcyclohexane	7.135	83	3512	0.953	ug/l #	1
44) Trichloroethene	7.129	130	319728	120.138	ug/l	100
49) 1,4-Dioxane	7.684	88	28	0.414	ug/l #	1
51) 4-Methyl-2-Pentanone	8.653	43	1651	0.446	ug/l #	1
60) Dibromochloromethane	9.275	129	31110	11.676	ug/l #	11
64) Tetrachloroethene	9.281	164	30414	12.184	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	68392	21.537	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	68392	69.488	ug/l #	13

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

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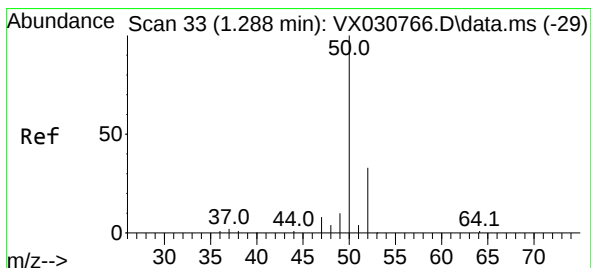
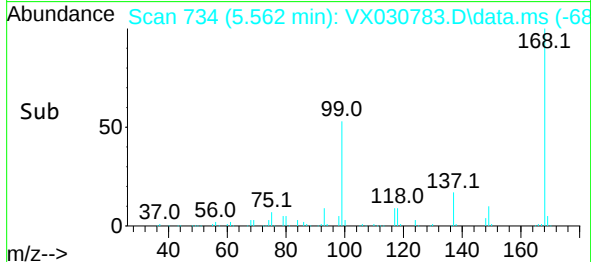
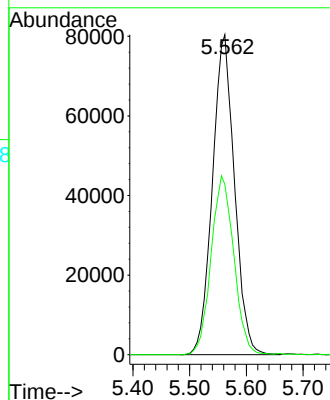
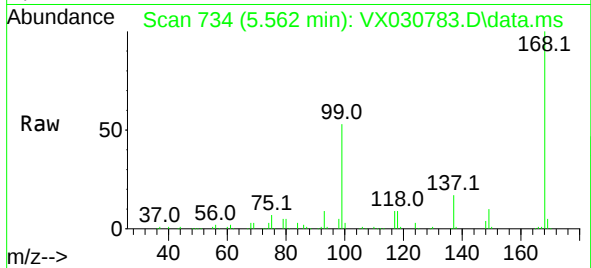




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

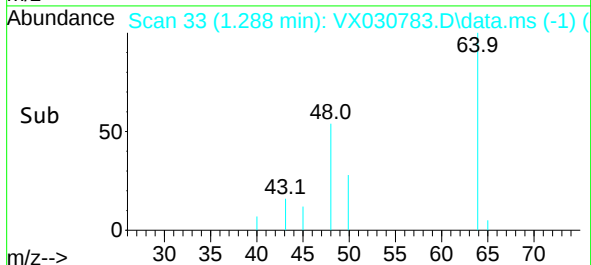
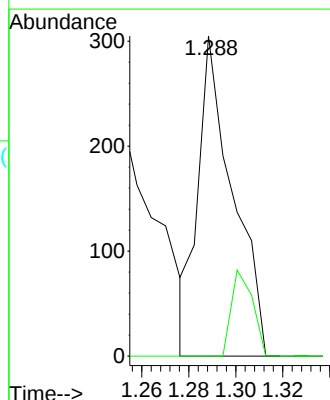
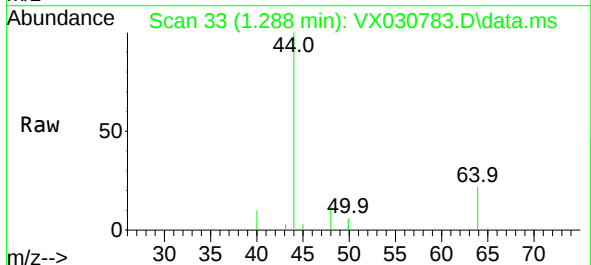
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

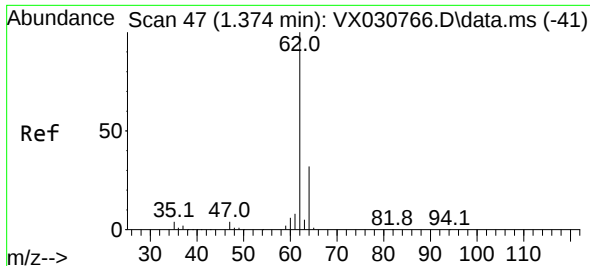
Tgt Ion:168 Resp: 216992
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

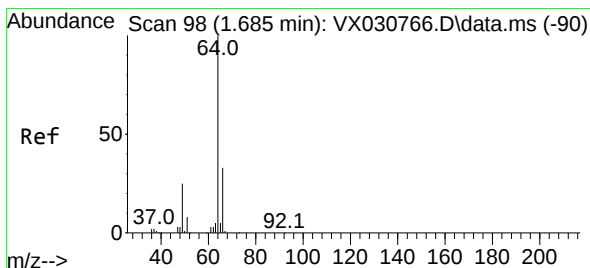
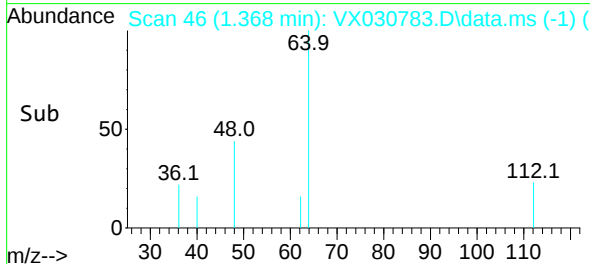
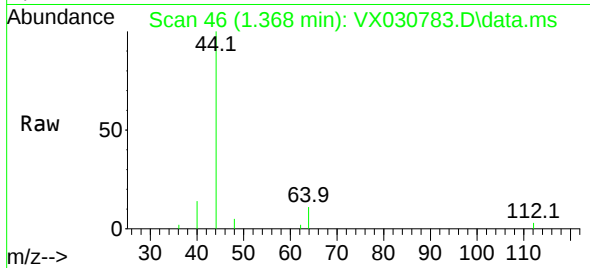




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.368 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX030783.D
 Acq: 25 Aug 2022 19:57

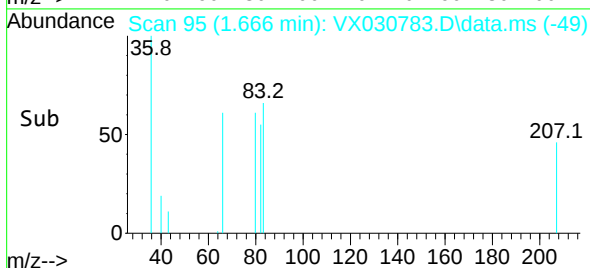
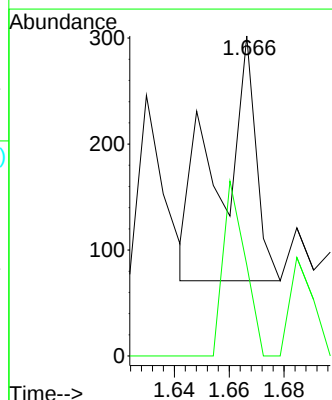
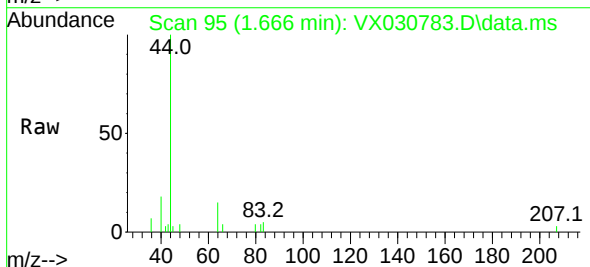
Instrument :
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 ClientSampleId :
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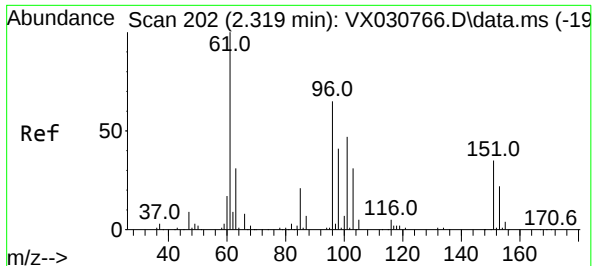
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 180.7 25.2 37.8#



#6
 Chloroethane
 Concen: Below Cal
 RT: 1.666 min Scan# 95
 Delta R.T. -0.019 min
 Lab File: VX030783.D
 Acq: 25 Aug 2022 19:57

Tgt Ion: 64 Resp: 213
 Ion Ratio Lower Upper
 64 100
 66 37.2 27.2 40.8

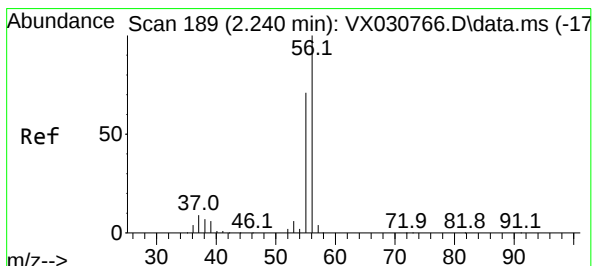
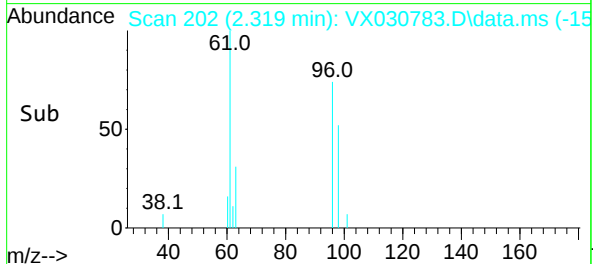
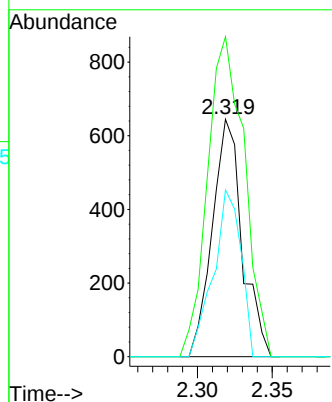
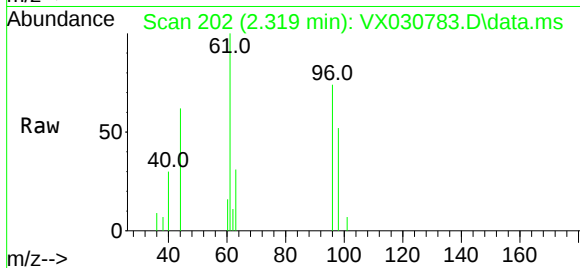




#12
1,1-Dichloroethene
Concen: 0.455 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

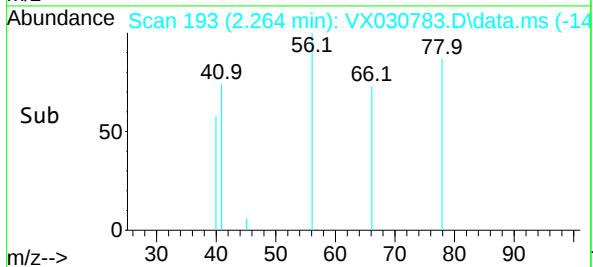
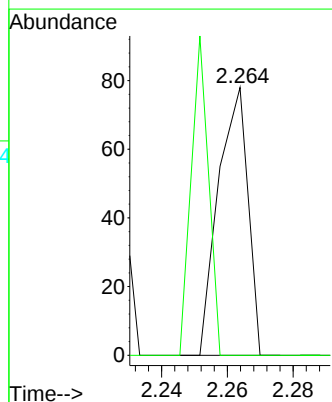
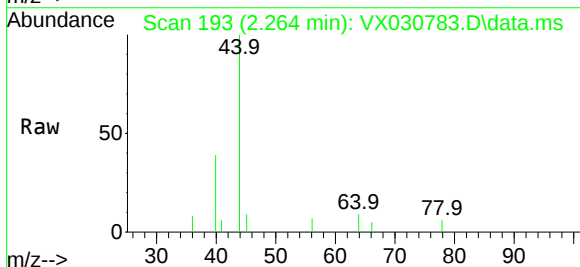
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

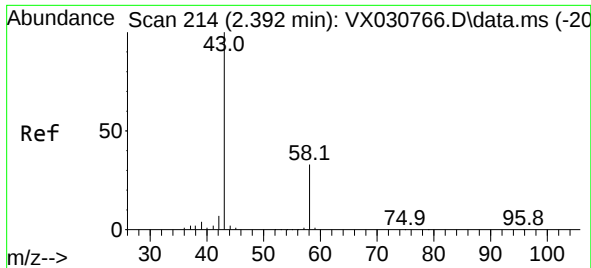
Tgt Ion: 96 Resp: 895
Ion Ratio Lower Upper
96 100
61 134.7 117.4 176.0
98 70.2 52.2 78.4



#13
Acrolein
Concen: 10.148 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.024 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 69.4 56.6 84.8

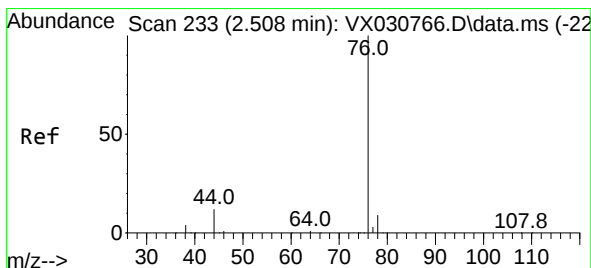
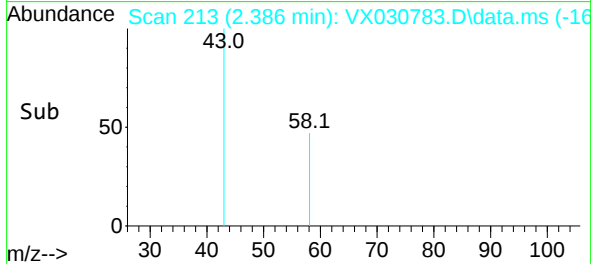
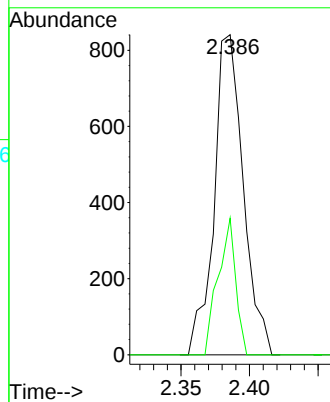
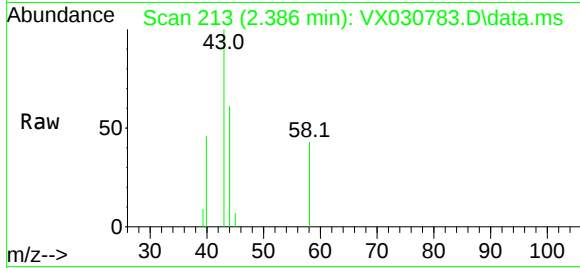




#16
Acetone
Concen: 1.056 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

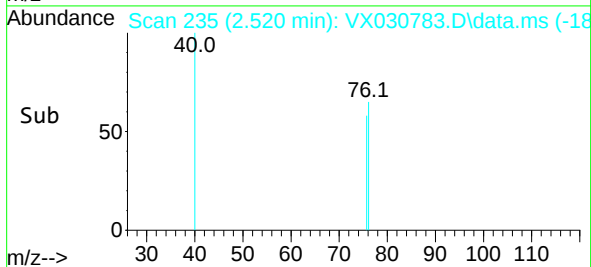
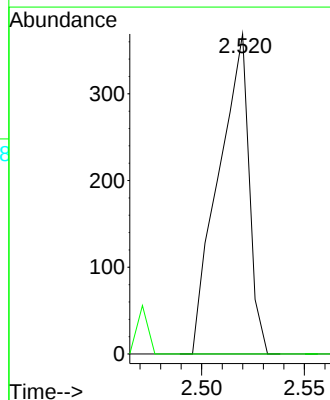
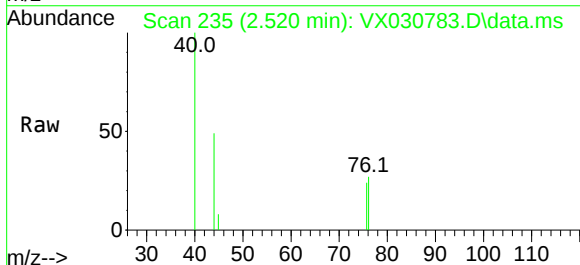
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

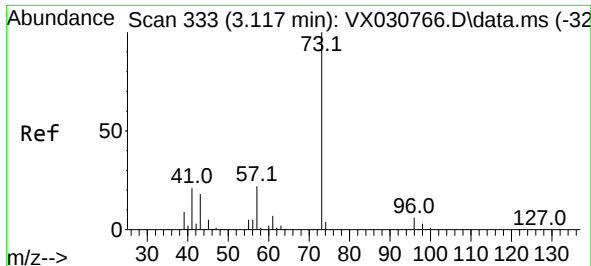
Tgt Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
58 42.7 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 76 Resp: 381
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

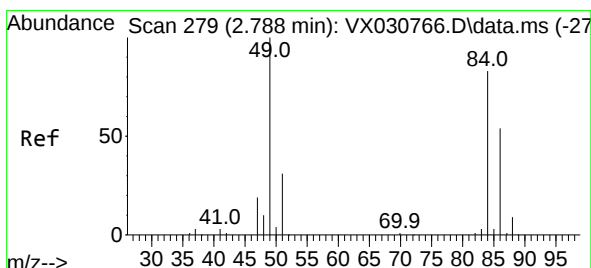
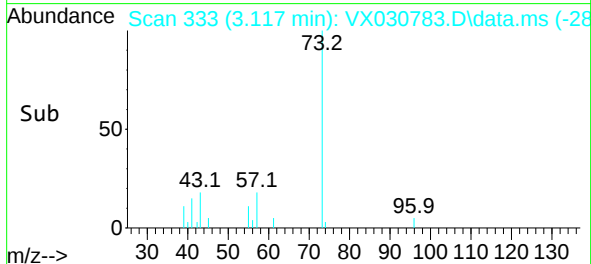
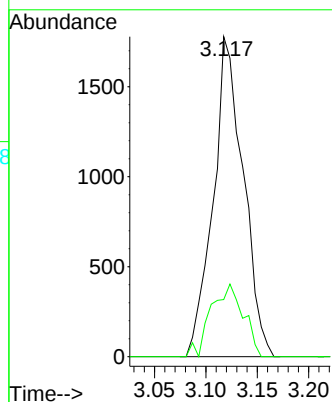
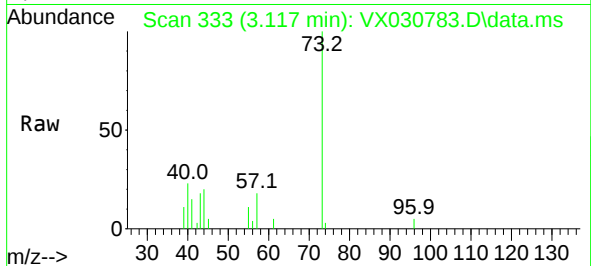




#19
Methyl tert-butyl Ether
Concen: 0.531 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

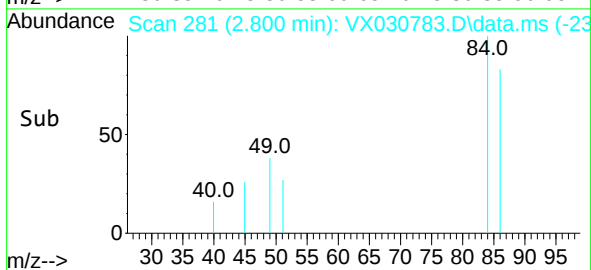
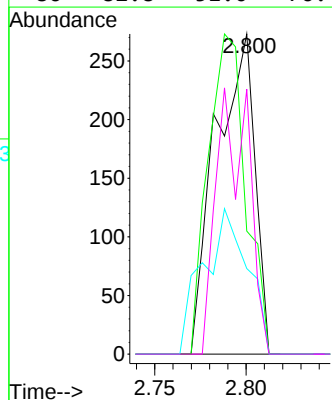
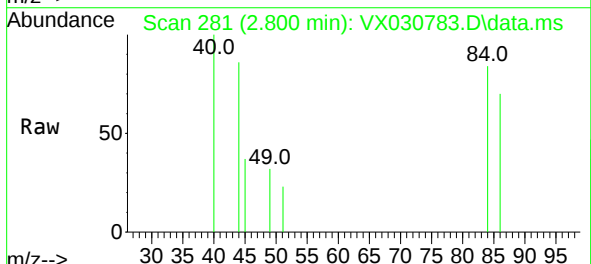
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ClientSampleId :
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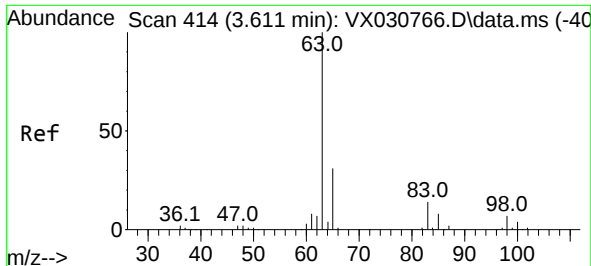
Tgt Ion: 73 Resp: 3618
Ion Ratio Lower Upper
73 100
57 17.9 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 84 Resp: 405
Ion Ratio Lower Upper
84 100
49 38.5 93.8 140.6#
51 26.7 29.4 44.0#
86 82.8 51.0 76.4#

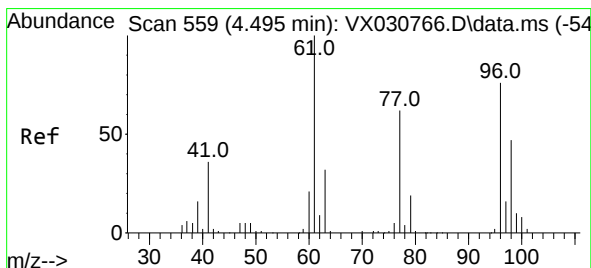
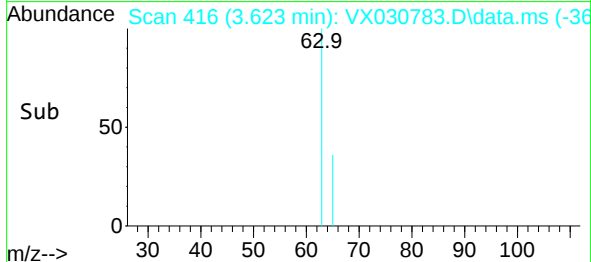
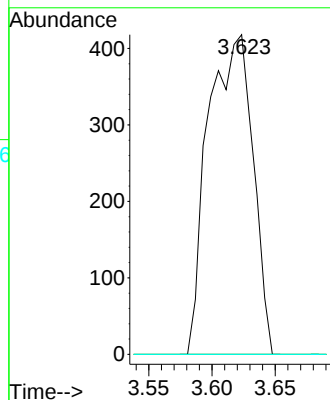
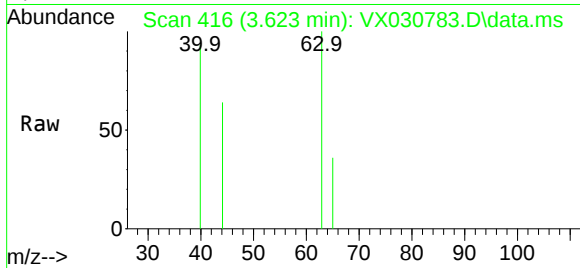




#24
1,1-Dichloroethane
Concen: 0.249 ug/l
RT: 3.623 min Scan# 414
Delta R.T. 0.012 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

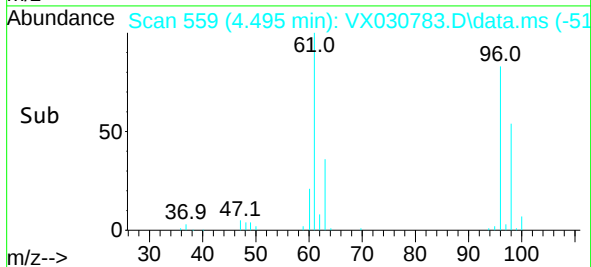
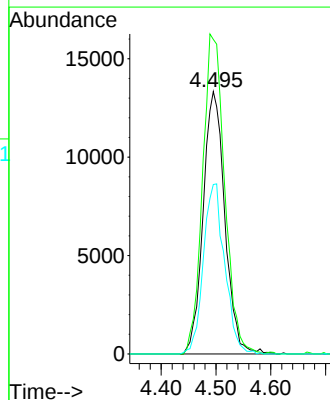
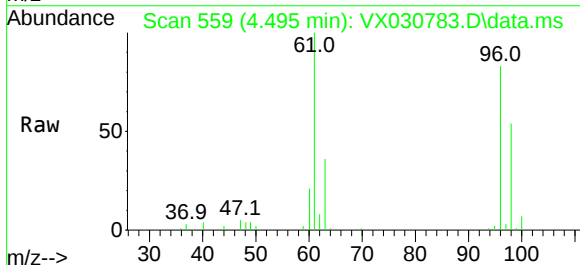
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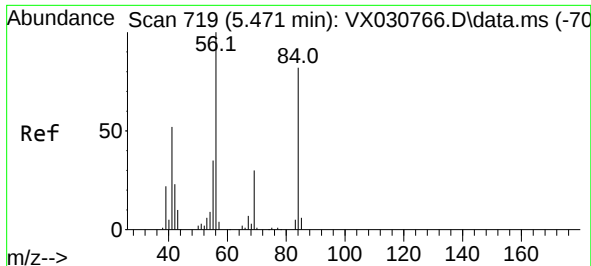
Tgt Ion: 63 Resp: 1030
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 14.023 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 96 Resp: 36604
Ion Ratio Lower Upper
96 100
61 124.0 0.0 270.0
98 63.7 0.0 127.8

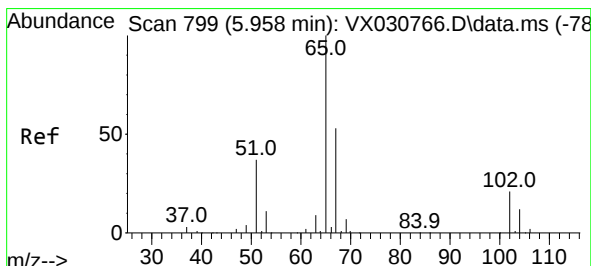
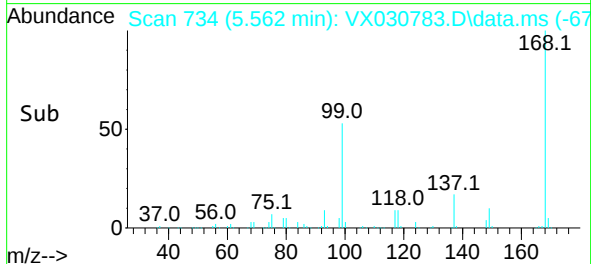
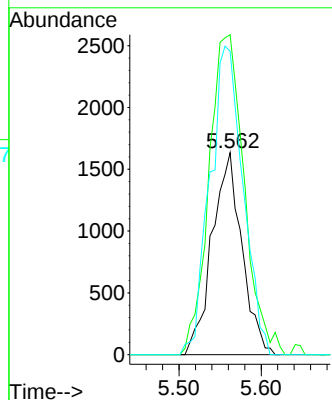
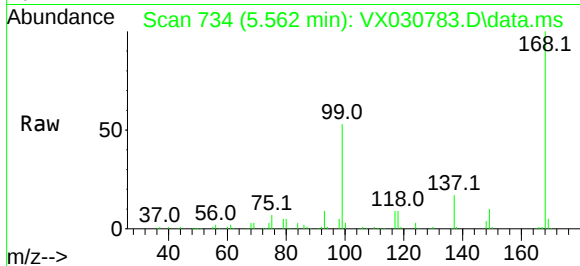




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

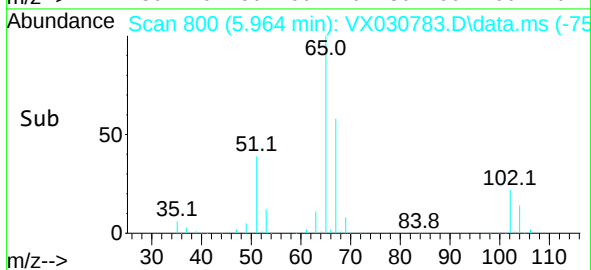
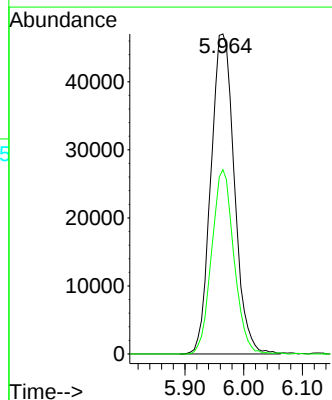
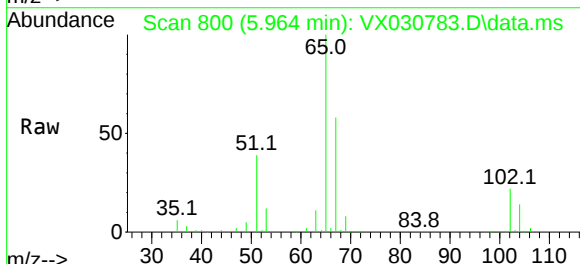
Instrument :
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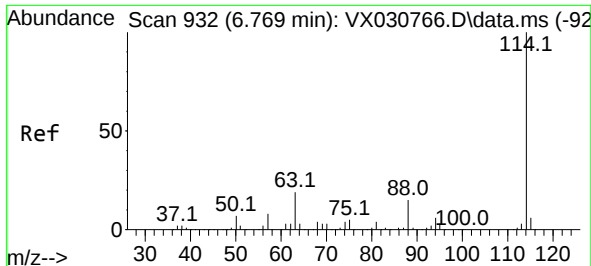
Tgt Ion: 56 Resp: 4112
Ion Ratio Lower Upper
56 100
69 158.3 25.4 38.0#
84 150.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 51.179 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 65 Resp: 130629
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6

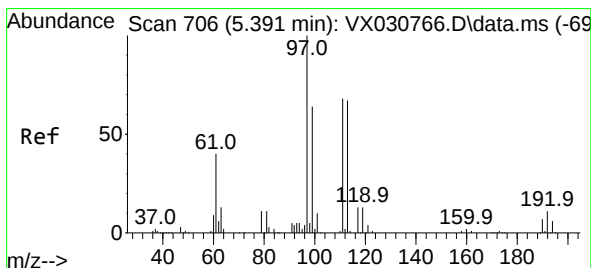
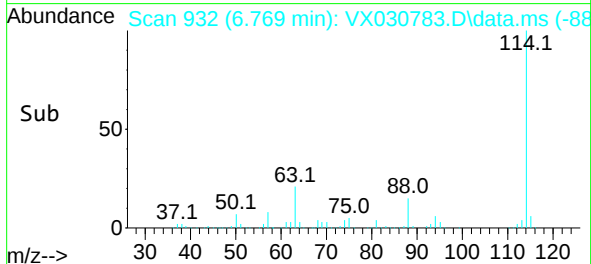
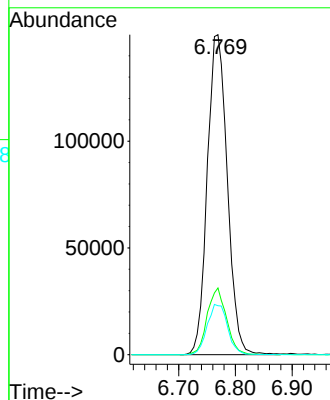
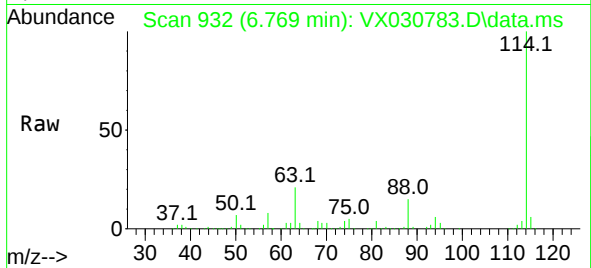




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

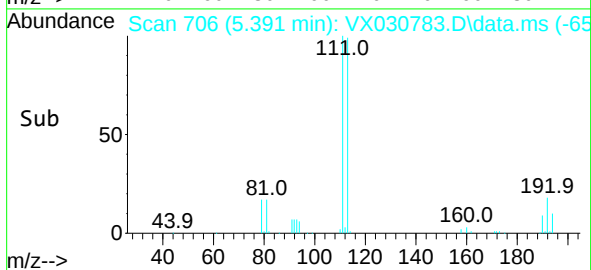
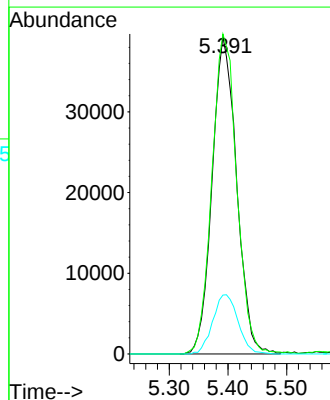
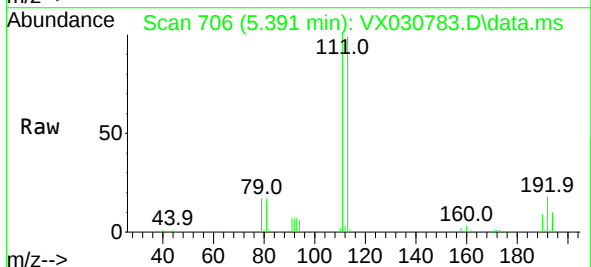
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

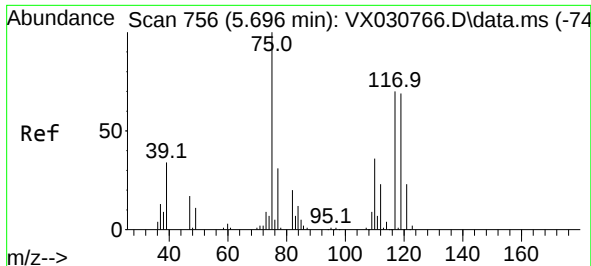
Tgt Ion:114 Resp: 367904
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.4
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.260 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion:113 Resp: 113642
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 19.3 14.8 22.2

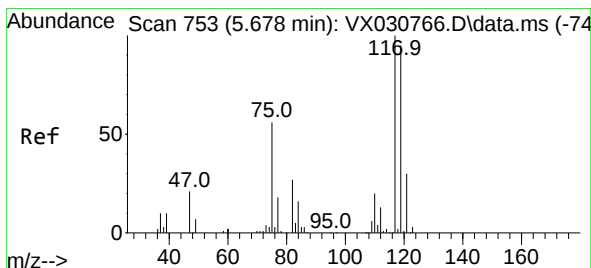
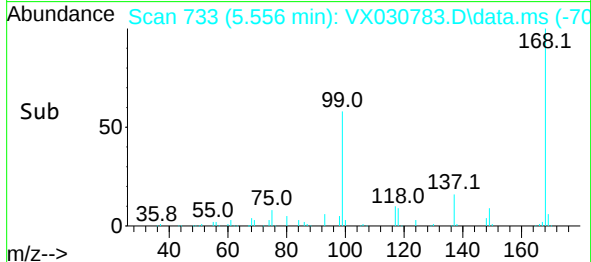
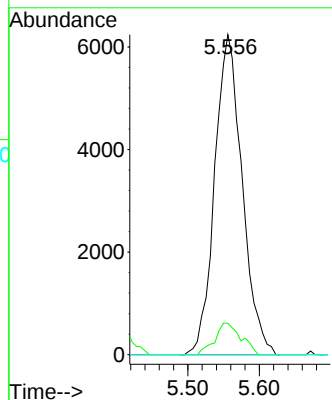
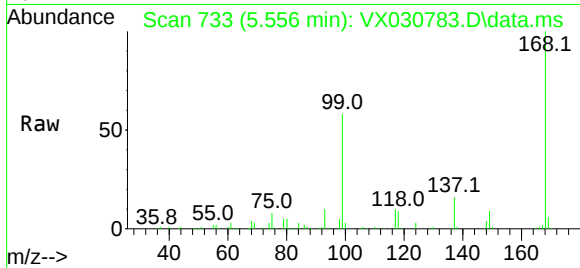




#36
1,1-Dichloropropene
Concen: 5.402 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

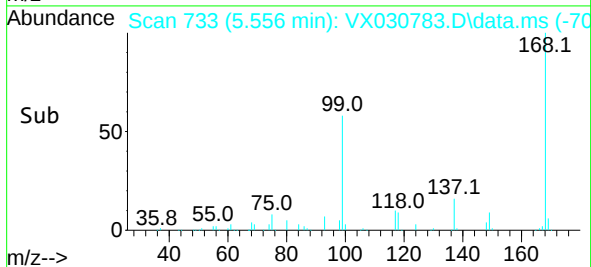
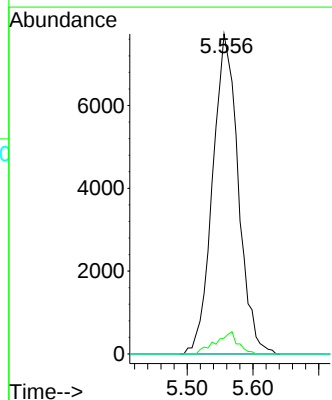
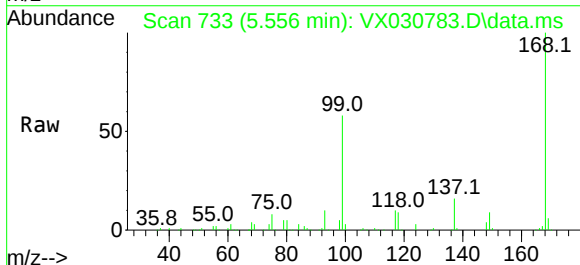
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

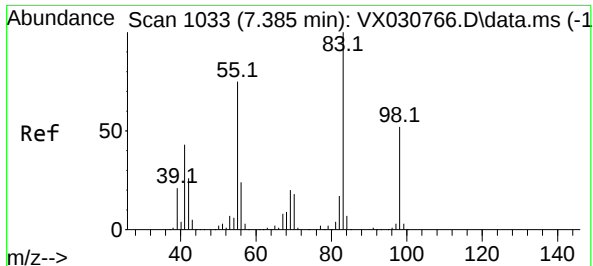
Tgt Ion: 75 Resp: 16633
Ion Ratio Lower Upper
75 100
110 9.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 117 Resp: 20972
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#

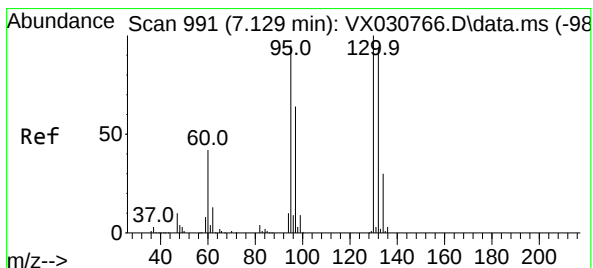
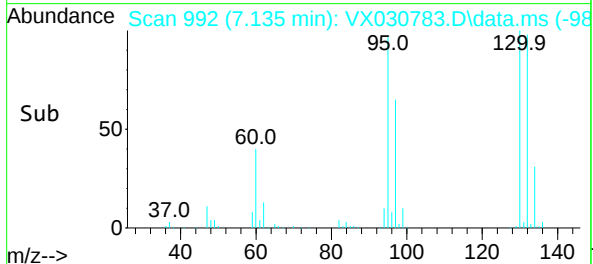
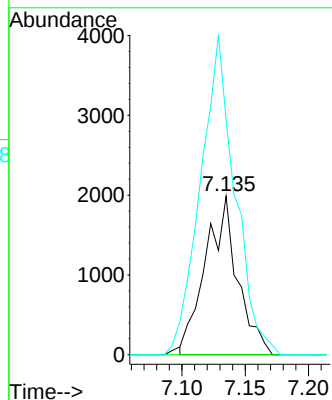
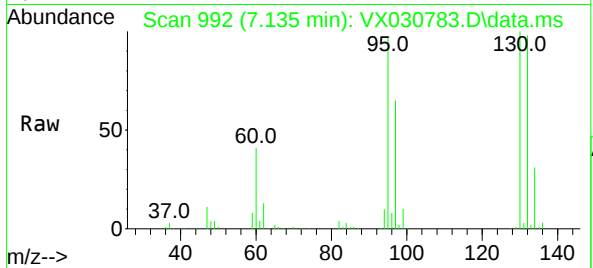




#39
Methylcyclohexane
Concen: 0.953 ug/l
RT: 7.135 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

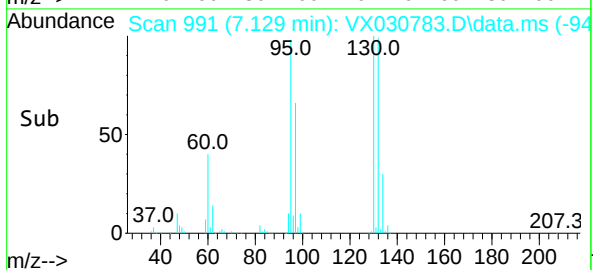
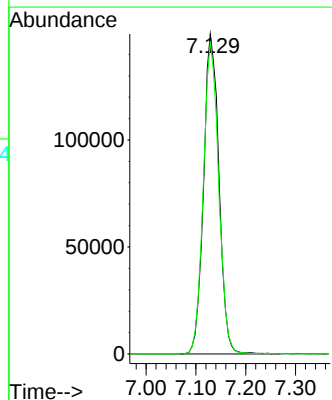
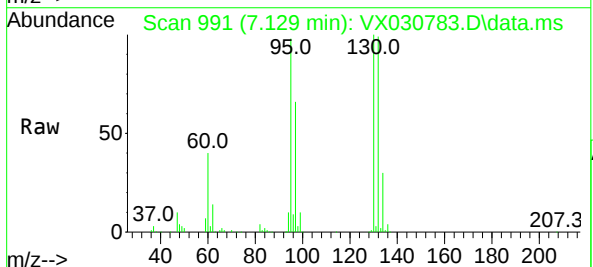
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

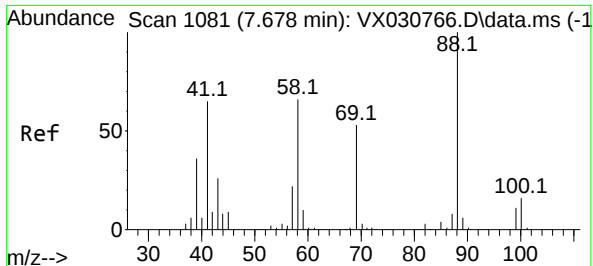
Tgt Ion: 83 Resp: 3512
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 148.1 36.5 54.7#



#44
Trichloroethene
Concen: 120.138 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion:130 Resp: 319728
Ion Ratio Lower Upper
130 100
95 97.6 0.0 194.8





#49

1,4-Dioxane

Concen: 0.414 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.006 min

Lab File: VX030783.D

Acq: 25 Aug 2022 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20220816

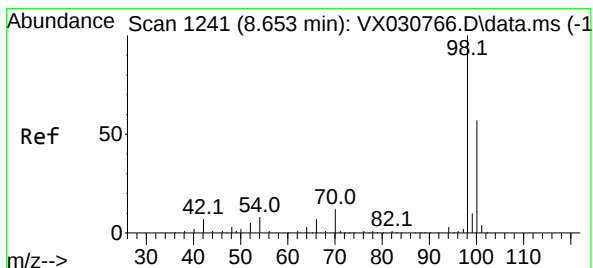
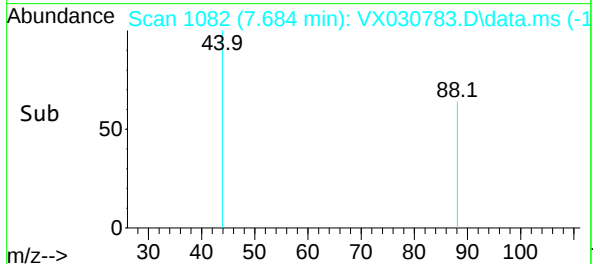
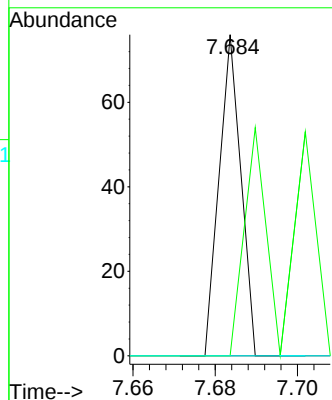
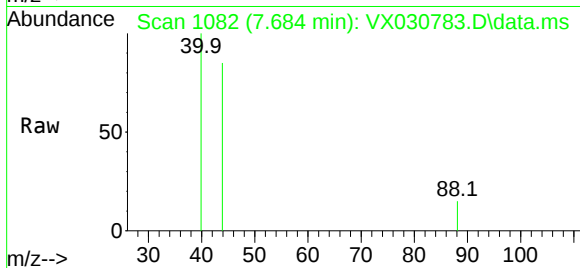
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 139.3 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 54.444 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030783.D

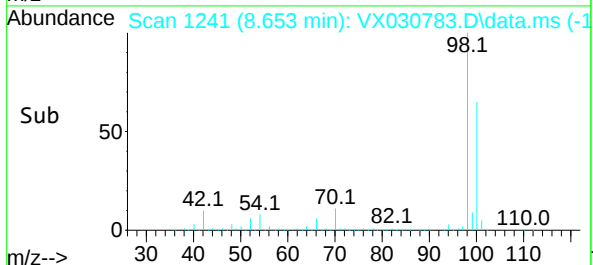
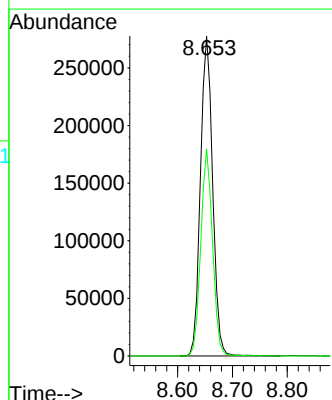
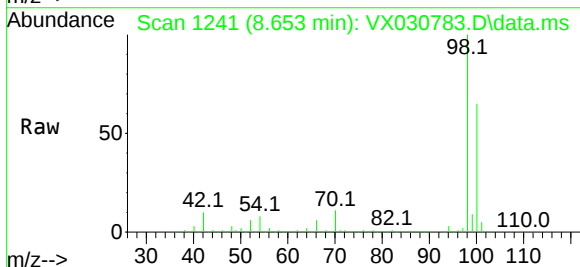
Acq: 25 Aug 2022 19:57

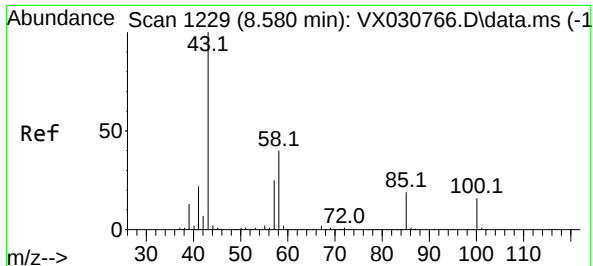
Tgt Ion: 98 Resp: 428966

Ion Ratio Lower Upper

98 100

100 62.5 52.3 78.5

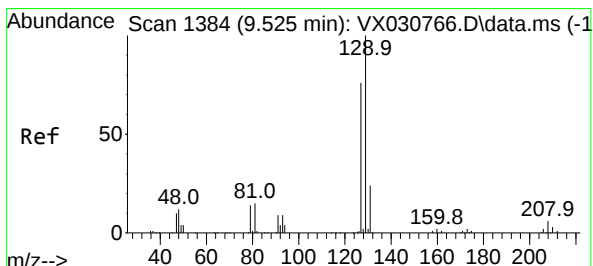
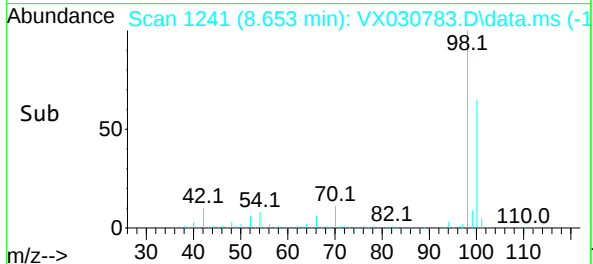
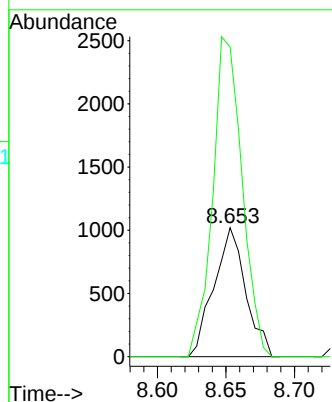
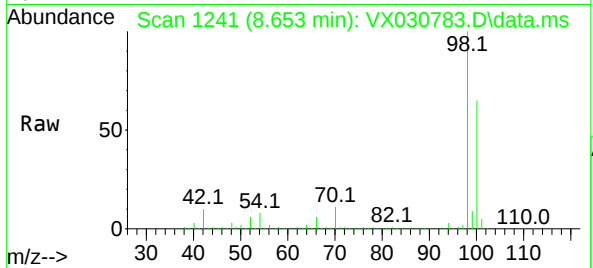




#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

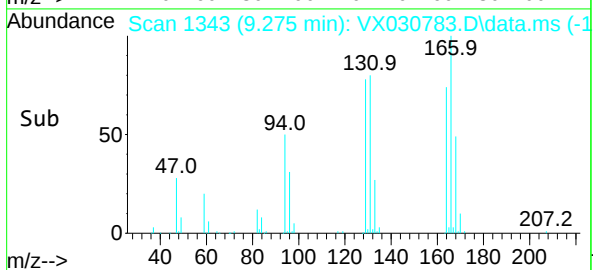
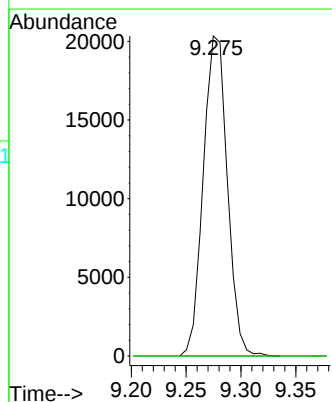
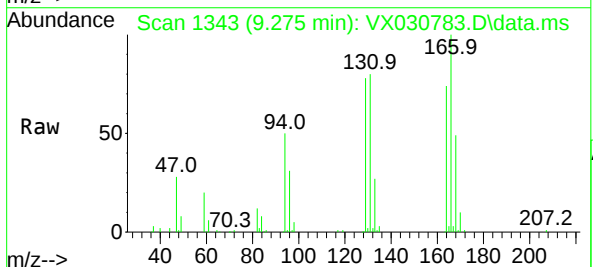
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

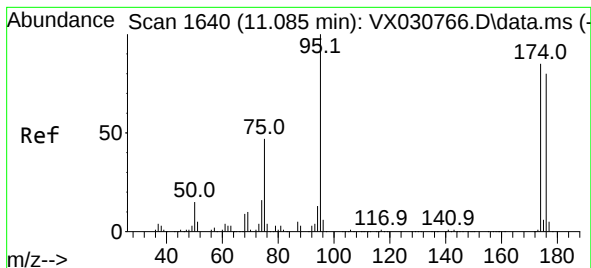
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 228.5 31.4 47.2#



#60
Dibromochloromethane
Concen: 11.676 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 129 Resp: 31110
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

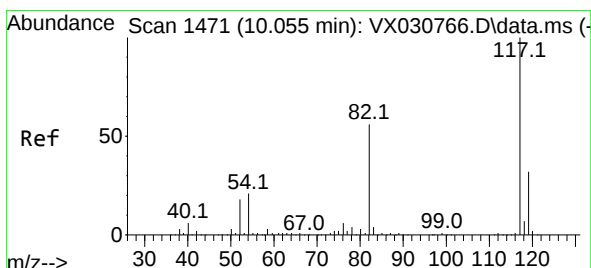
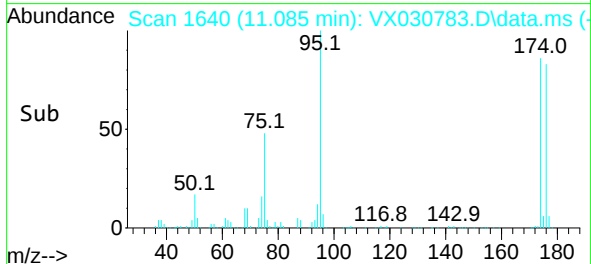
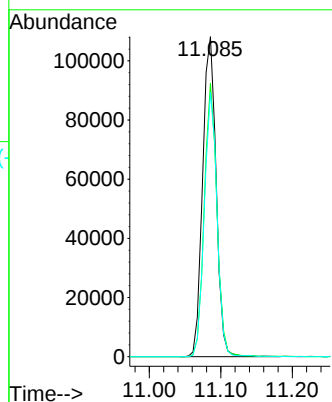
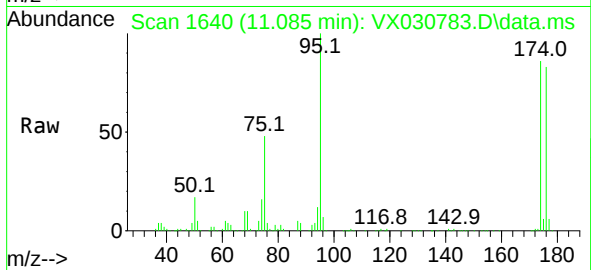




#62
4-Bromofluorobenzene
Concen: 48.251 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

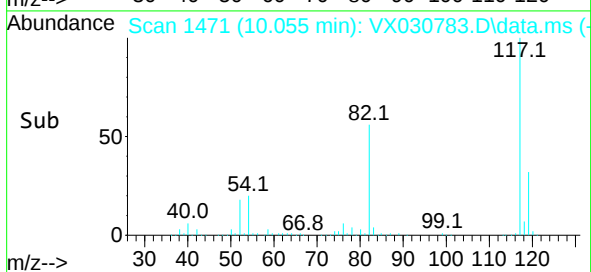
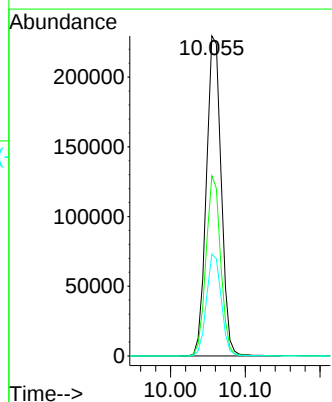
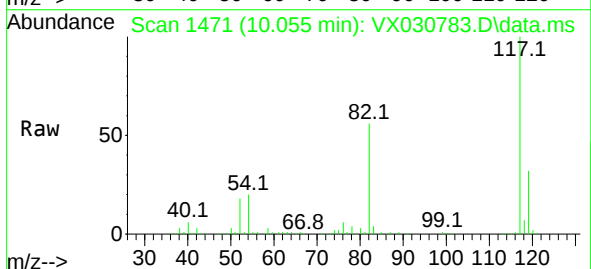
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

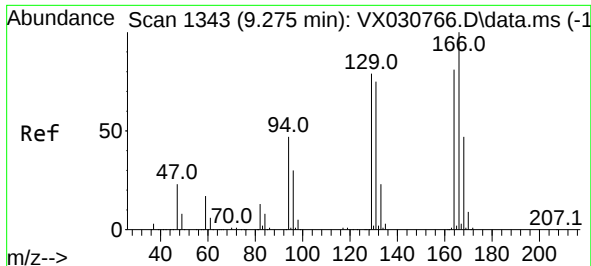
Tgt Ion: 95 Resp: 141540
Ion Ratio Lower Upper
95 100
174 80.3 0.0 149.0
176 78.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 117 Resp: 316894
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 31.8 25.4 38.2

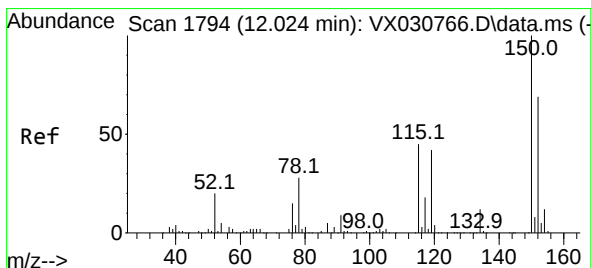
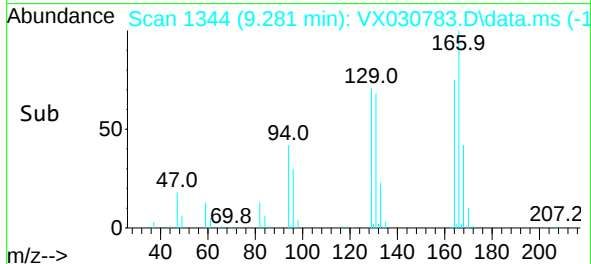
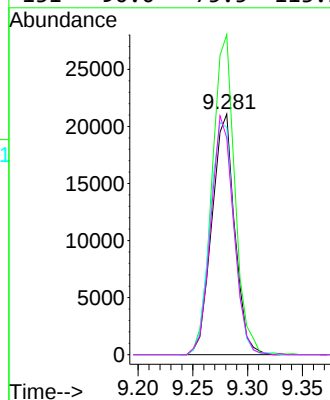
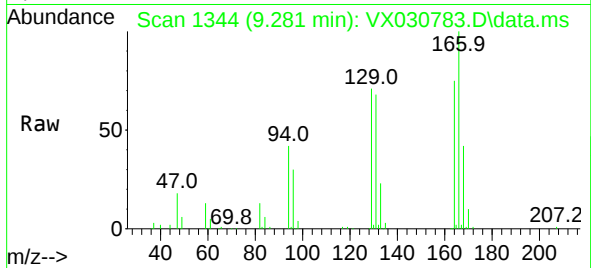




#64
Tetrachloroethene
Concen: 12.184 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

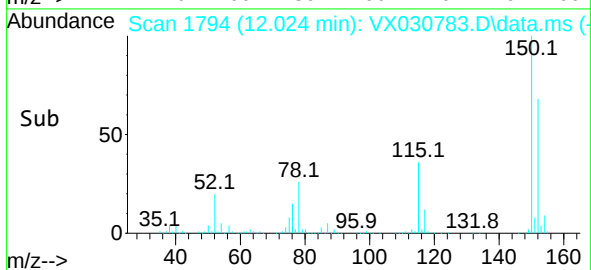
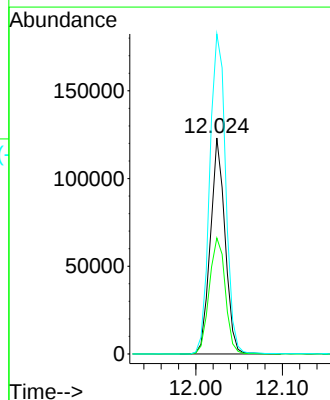
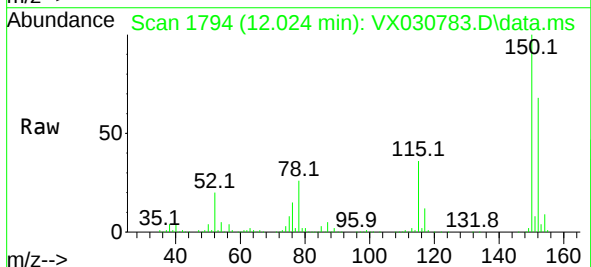
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

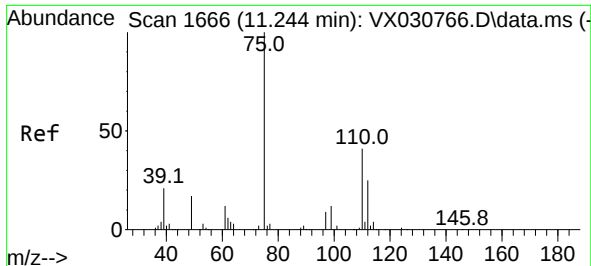
Tgt Ion:164	Resp:	30414
Ion	Ratio	Lower Upper
164	100	
166	133.0	98.2 147.4
129	94.5	80.8 121.2
131	90.0	75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion:152	Resp:	144944
Ion	Ratio	Lower Upper
152	100	
115	58.5	40.5 121.5
150	160.8	0.0 347.0

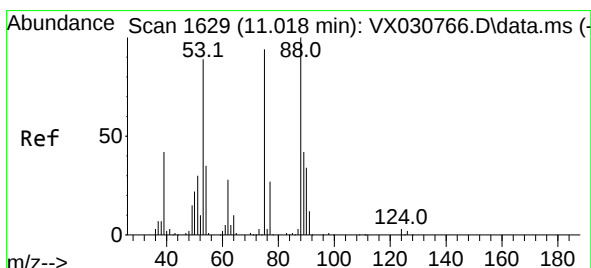
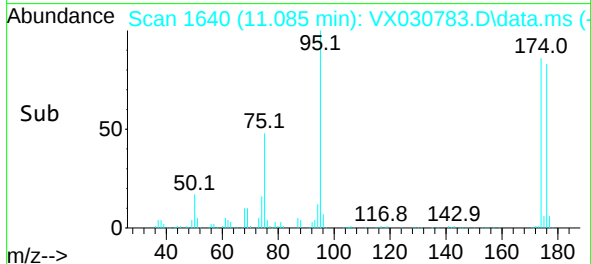
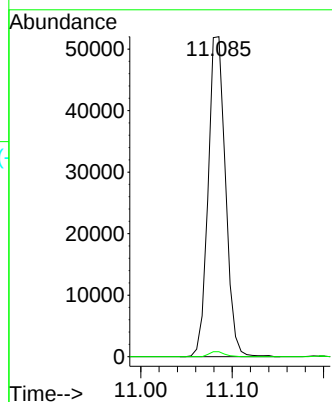
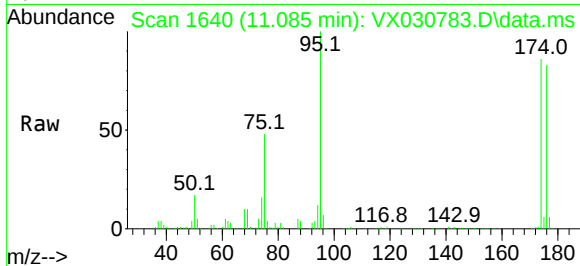




#76
1,2,3-Trichloropropane
Concen: 21.537 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

Tgt Ion: 75 Resp: 68392
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.488 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030783.D
Acq: 25 Aug 2022 19:57

Tgt Ion: 75 Resp: 68392
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

