

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045195.D
 Acq On : 10 Mar 2025 14:53
 Operator : JC/MD
 Sample : Q1500-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20250305

Quant Time: Mar 11 03:56:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

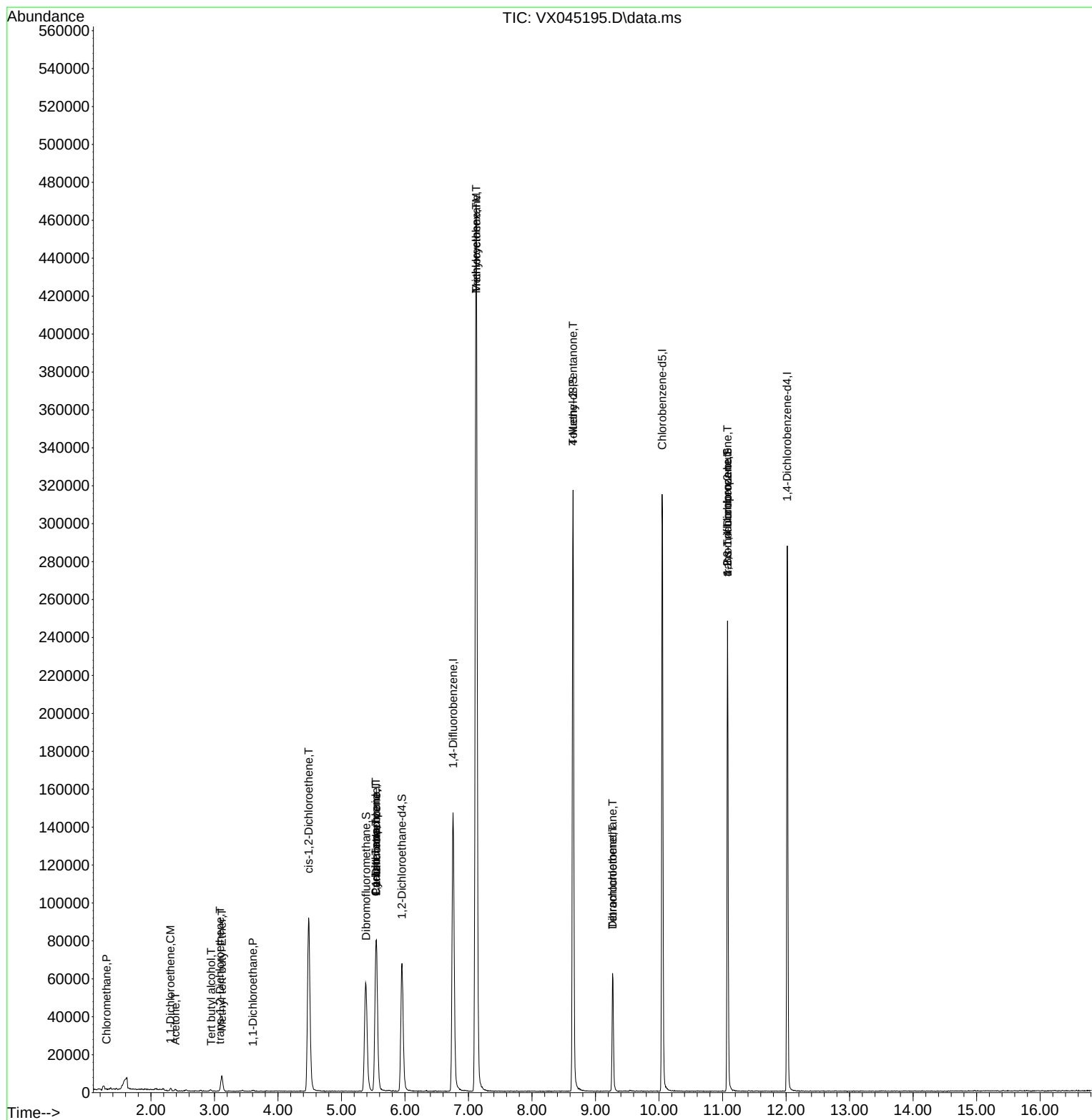
Internal Standards						
1) Pentafluorobenzene	5.550	168	74943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62897	52.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	5.385	113	51044	51.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	8.647	98	185339	51.635	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	62654	52.676	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.360%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	293	0.254	ug/l #	43
11) Tert butyl alcohol	2.947	59	80	0.354	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	433	0.470	ug/l #	79
16) Acetone	2.386	43	980	1.772	ug/l #	79
19) Methyl tert-butyl Ether	3.117	73	8469	2.741	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	249	0.274	ug/l #	65
24) 1,1-Dichloroethane	3.605	63	810	0.434	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	56193	50.035	ug/l	96
31) Cyclohexane	5.544	56	1976	1.218	ug/l #	20
36) 1,1-Dichloropropene	5.544	75	6841	5.038	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7808	5.664	ug/l #	16
39) Methylcyclohexane	7.123	83	2353	1.446	ug/l #	1
44) Trichloroethene	7.123	130	178887	177.682	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	819	0.471	ug/l #	1
60) Dibromochloromethane	9.269	129	11198	10.341	ug/l #	11
64) Tetrachloroethene	9.269	164	11463	13.058	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	34436	26.408	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34436	90.374	ug/l #	6

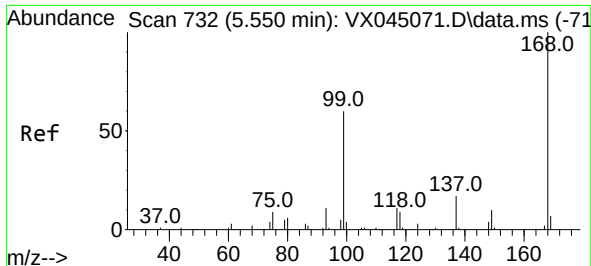
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

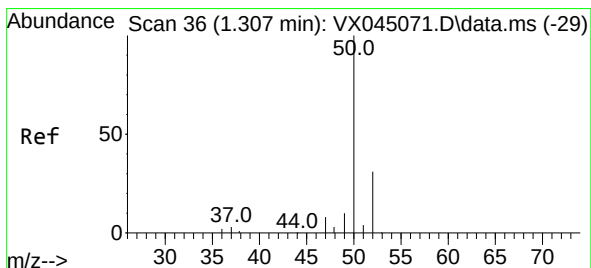
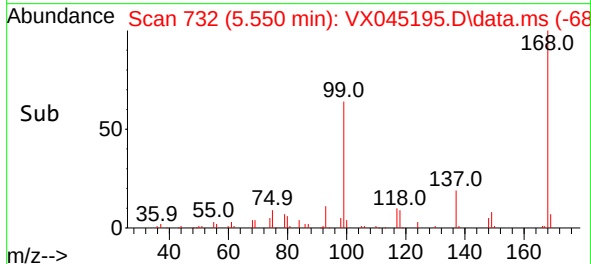
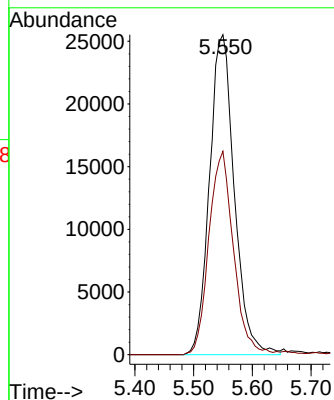
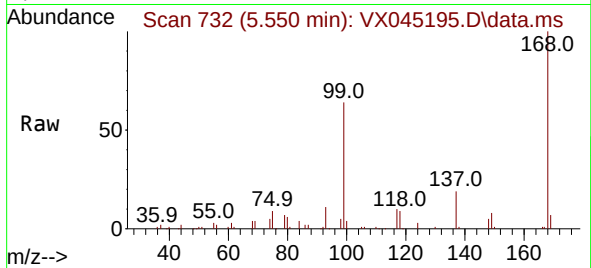




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

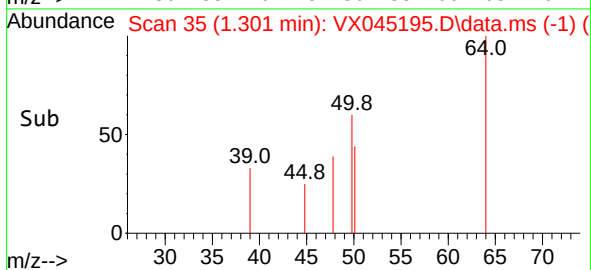
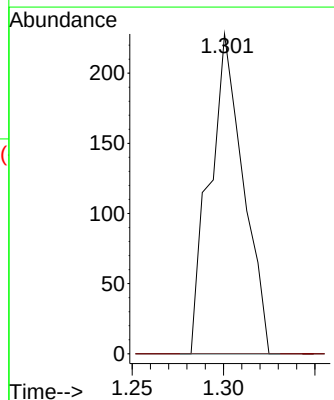
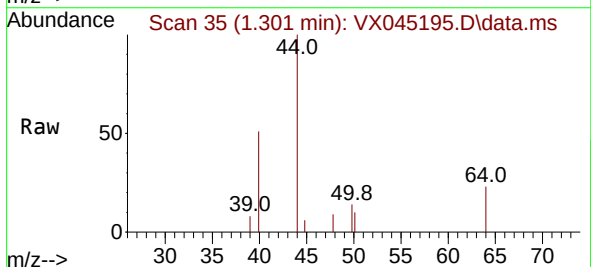
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

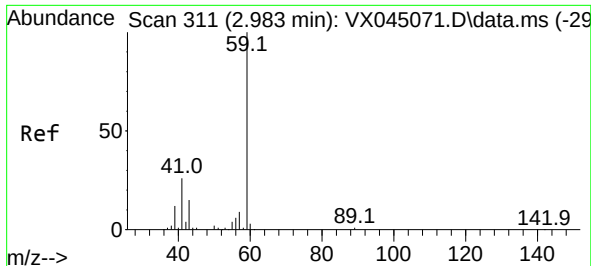
Tgt Ion:168 Resp: 74943
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.354 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

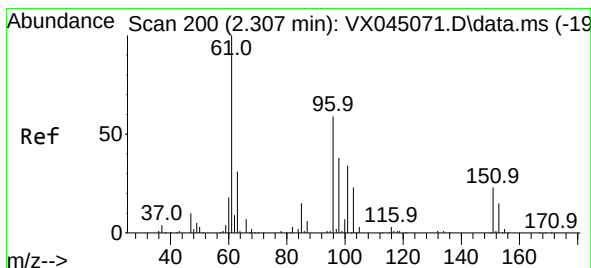
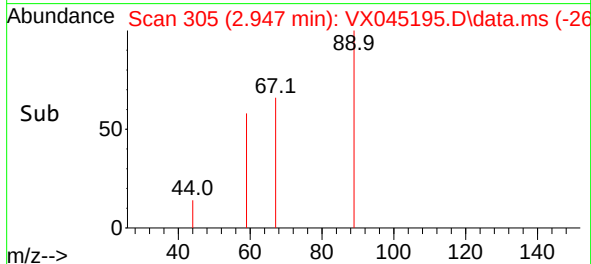
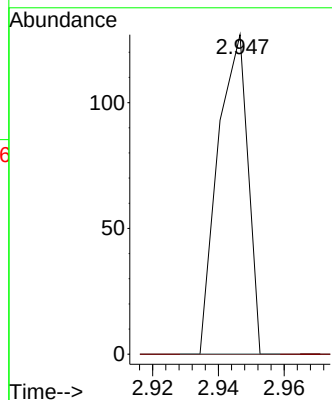
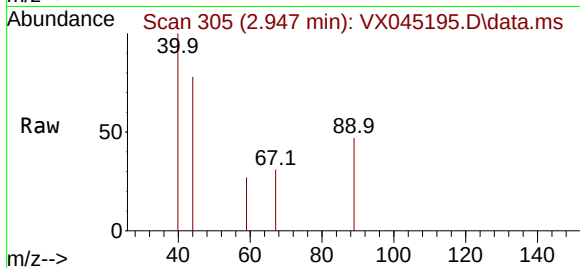
MW179D-20250305

Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.470 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

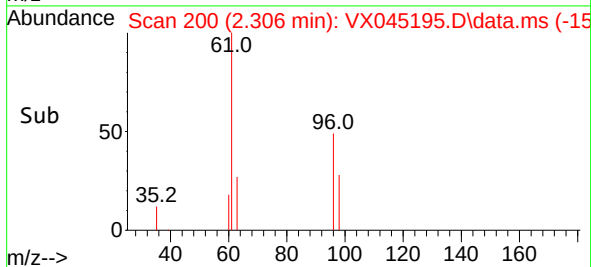
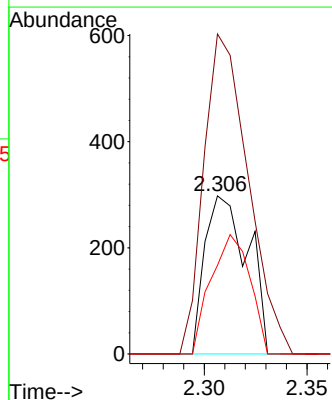
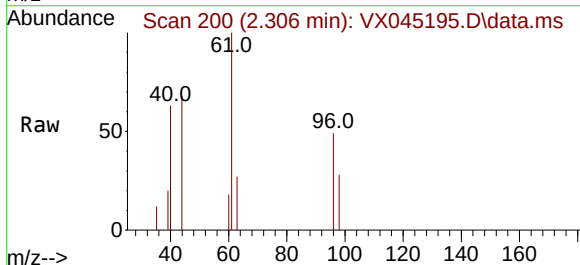
Tgt Ion: 96 Resp: 433

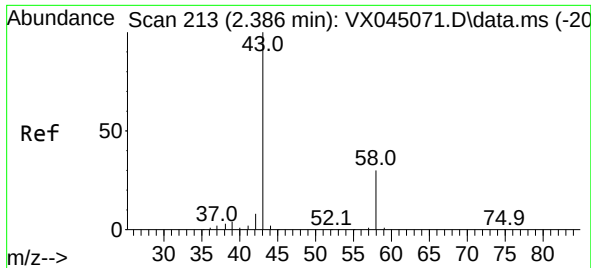
Ion Ratio Lower Upper

96 100

61 202.3 134.6 202.0#

98 56.0 51.0 76.6

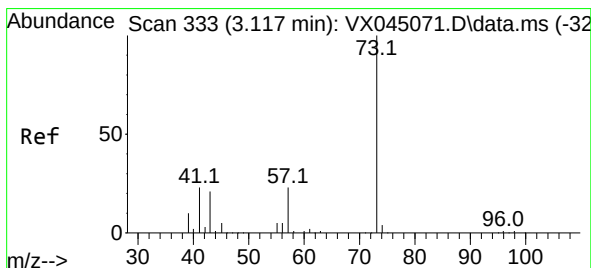
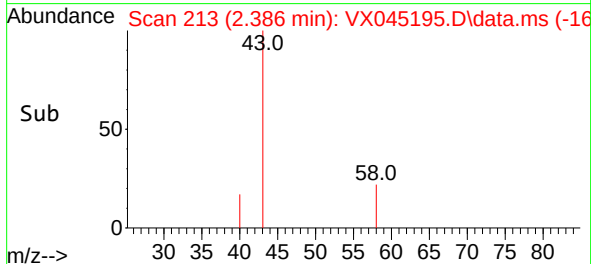
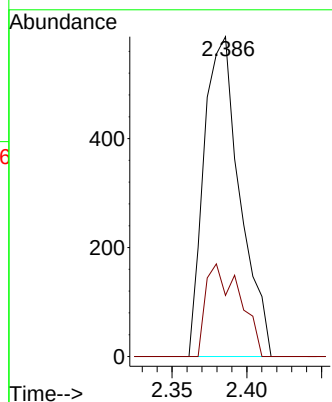
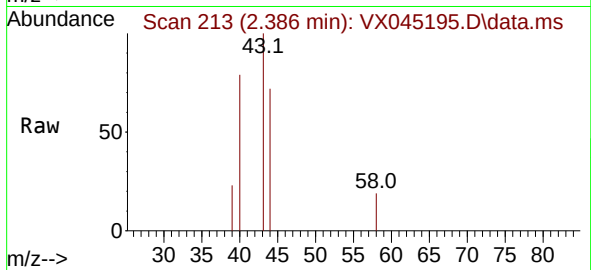




#16
Acetone
Concen: 1.772 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

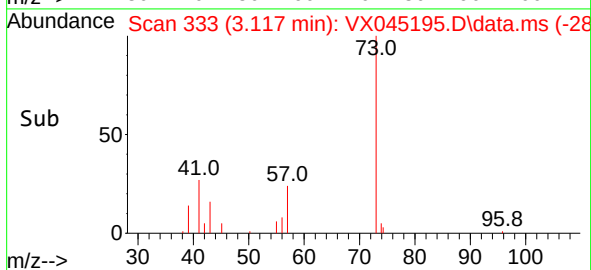
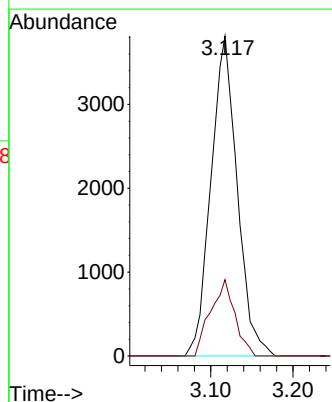
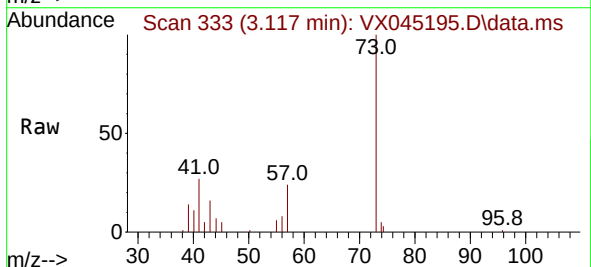
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

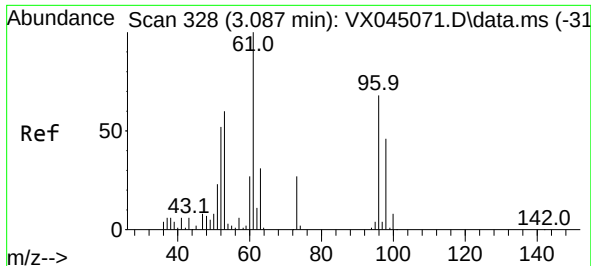
Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
58 19.1 24.2 36.4#



#19
Methyl tert-butyl Ether
Concen: 2.741 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 73 Resp: 8469
Ion Ratio Lower Upper
73 100
57 23.9 18.5 27.7

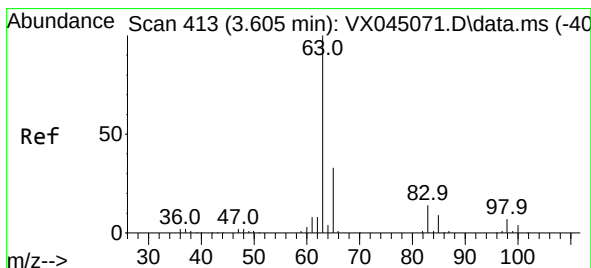
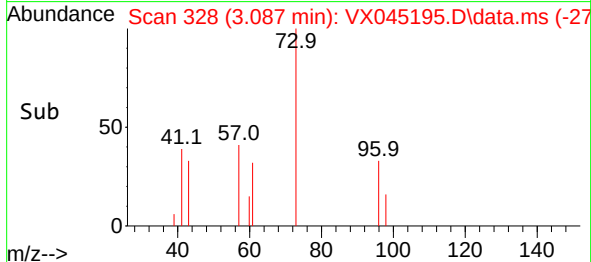
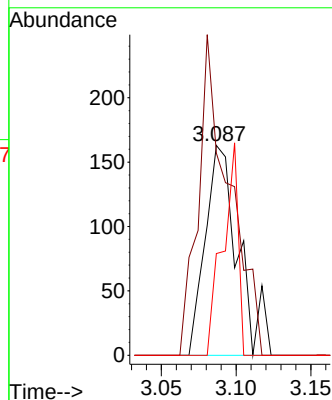
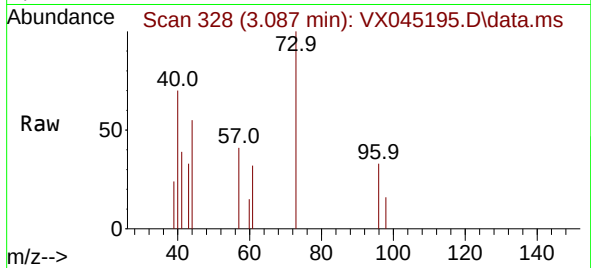




#21
trans-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

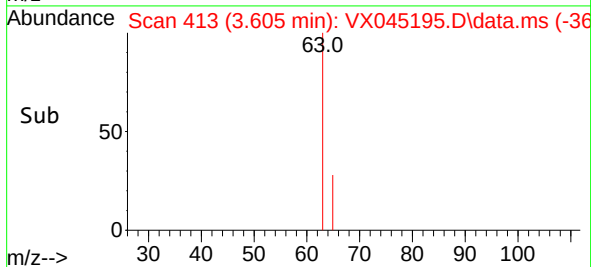
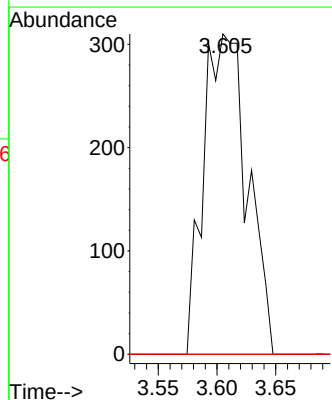
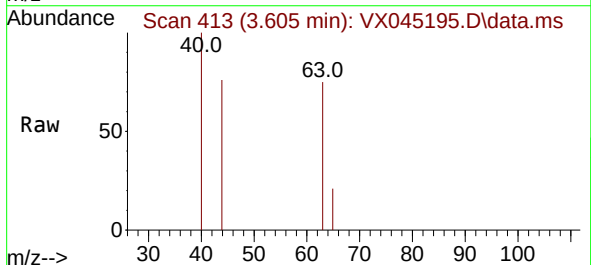
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

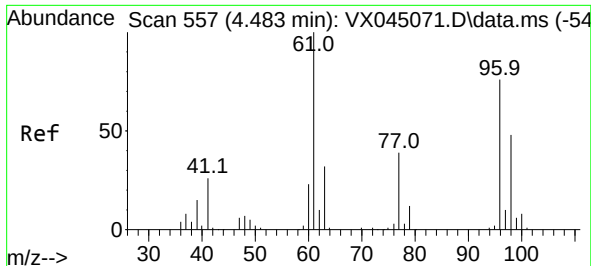
Tgt Ion: 96 Resp: 249
Ion Ratio Lower Upper
96 100
61 96.3 117.0 175.4#
98 48.5 53.4 80.2#



#24
1,1-Dichloroethane
Concen: 0.434 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 63 Resp: 810
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 50.035 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20250305

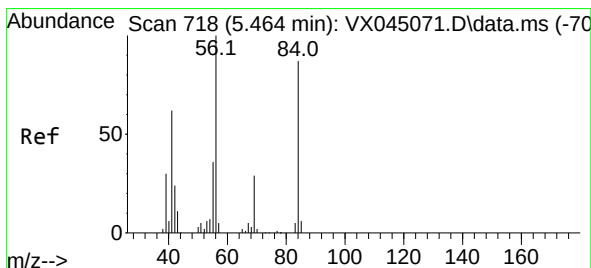
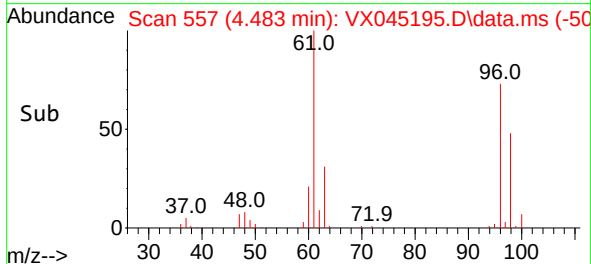
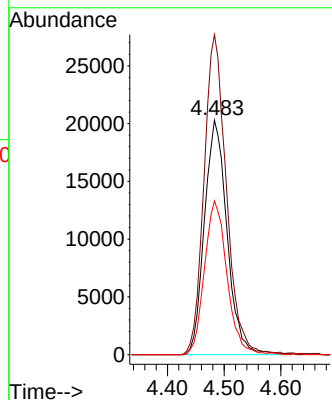
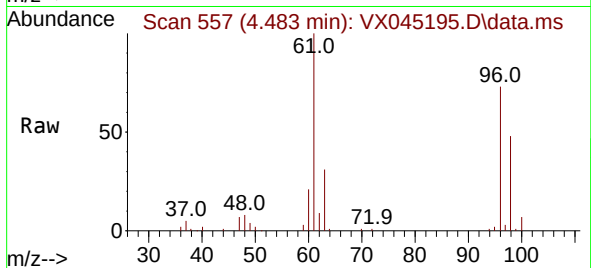
Tgt Ion: 96 Resp: 56193

Ion Ratio Lower Upper

96 100

61 135.0 0.0 283.2

98 65.2 0.0 128.0



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

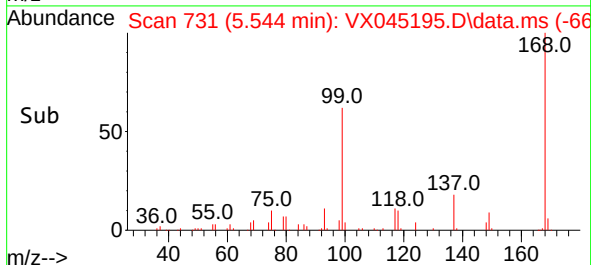
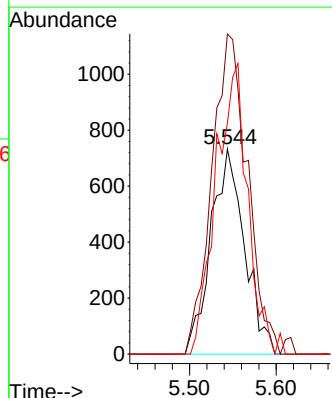
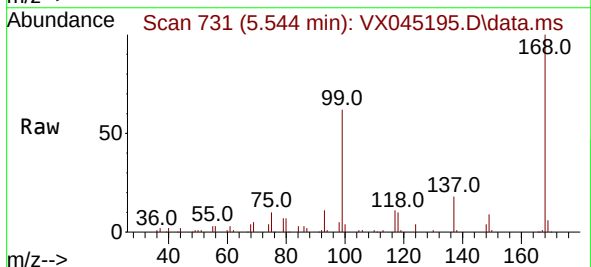
Tgt Ion: 56 Resp: 1976

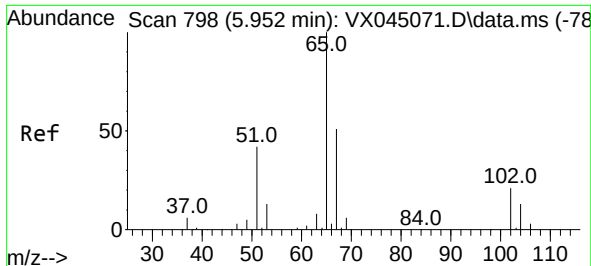
Ion Ratio Lower Upper

56 100

69 156.1 23.4 35.2#

84 112.4 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.762 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

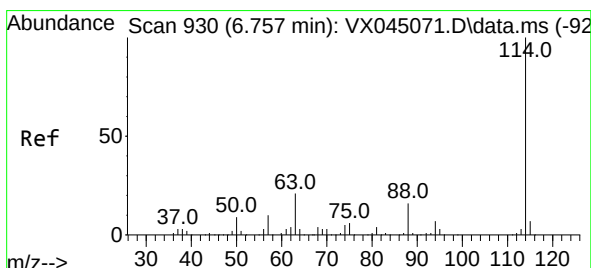
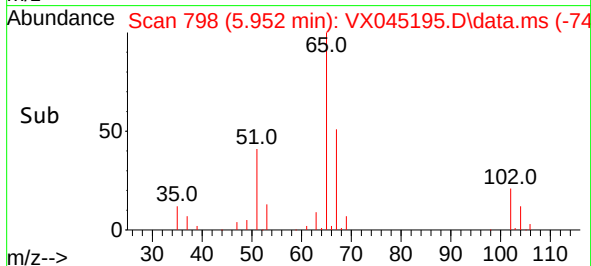
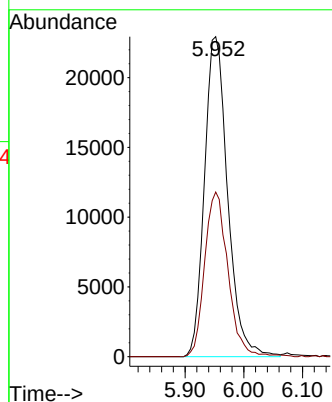
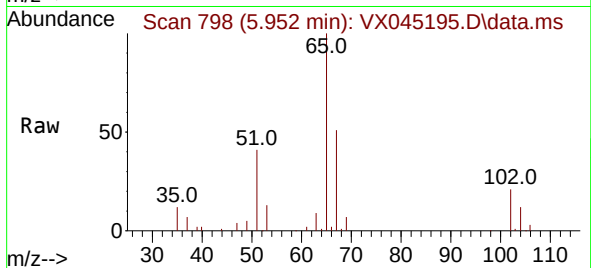
MW179D-20250305

Tgt Ion: 65 Resp: 62897

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

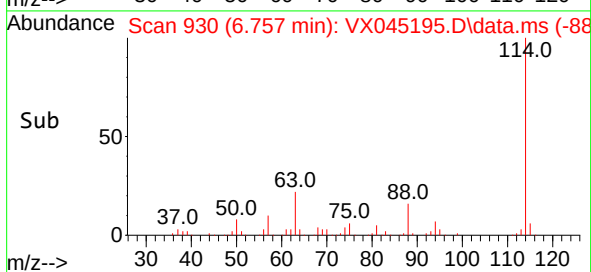
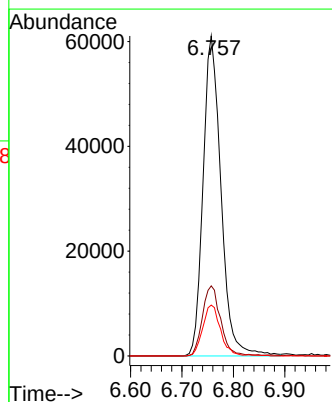
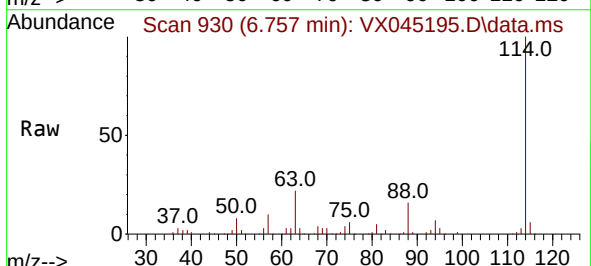
Tgt Ion: 114 Resp: 148068

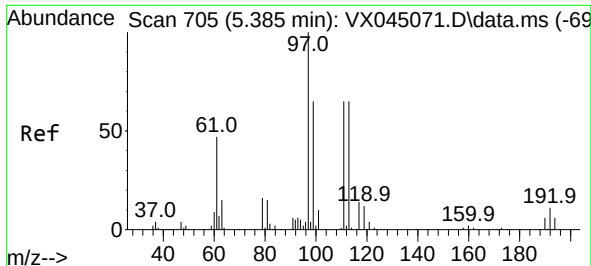
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.9 0.0 32.8

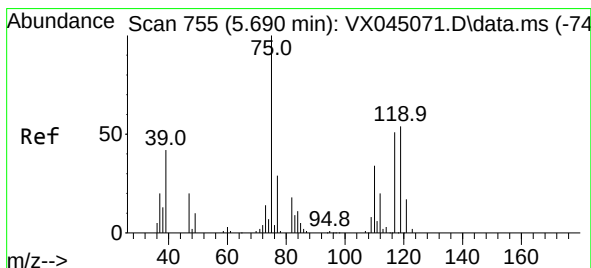
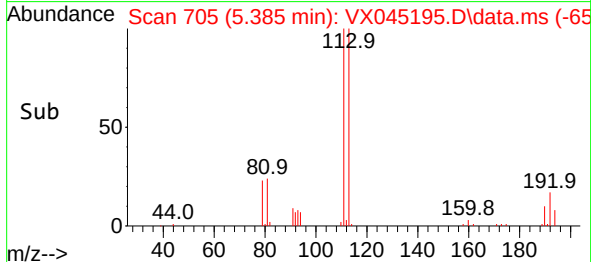
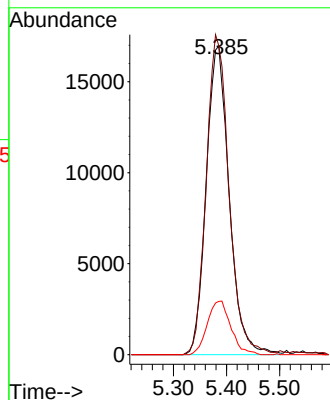
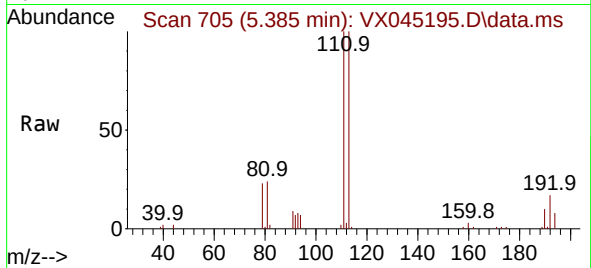




#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

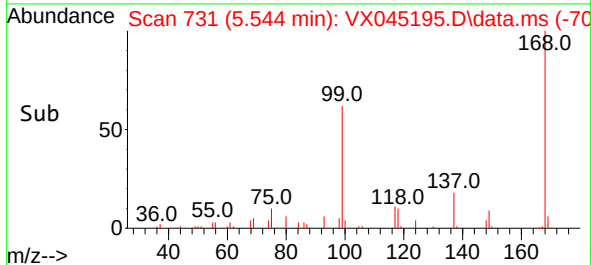
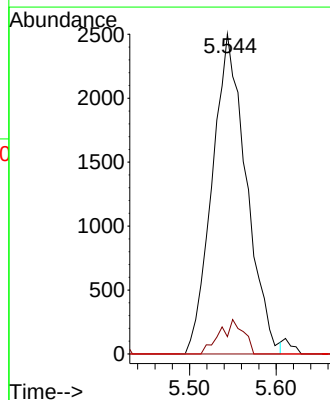
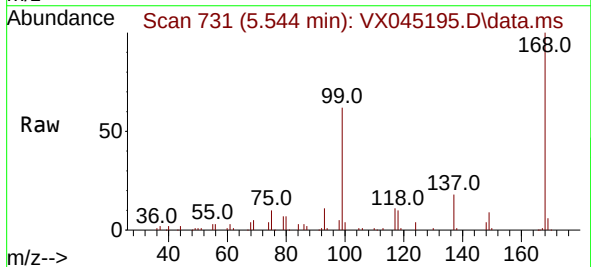
Instrument :
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MW179D-20250305

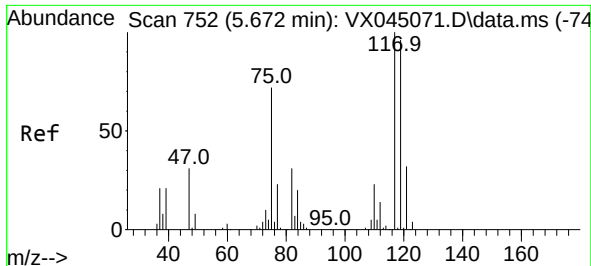
Tgt Ion:113 Resp: 51044
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

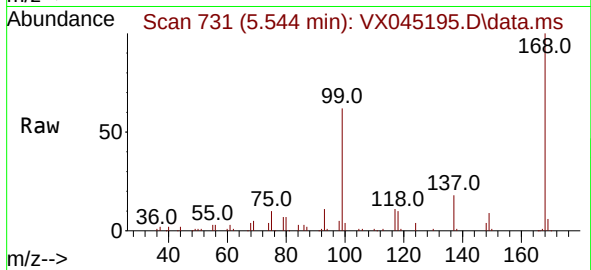
Tgt Ion: 75 Resp: 6841
Ion Ratio Lower Upper
75 100
110 7.5 16.9 50.6#
77 0.0 24.5 36.7#



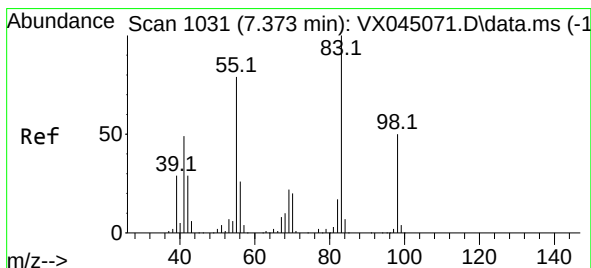
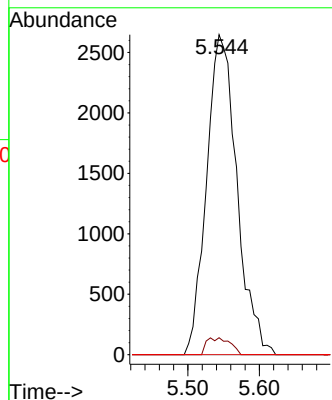
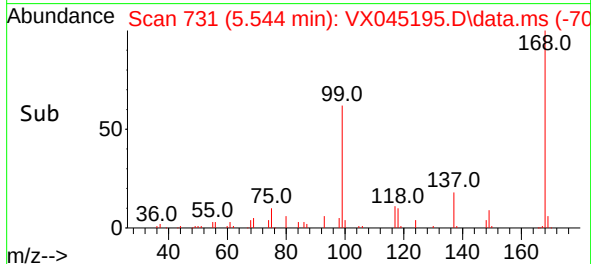


#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

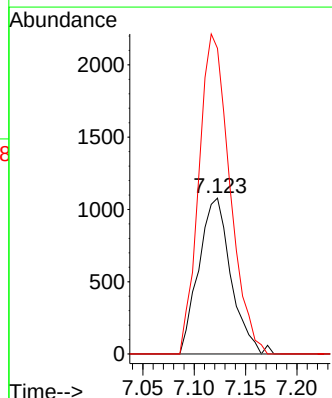
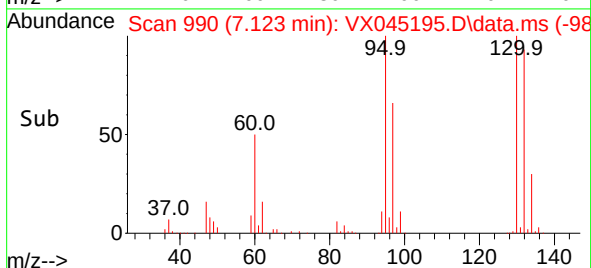
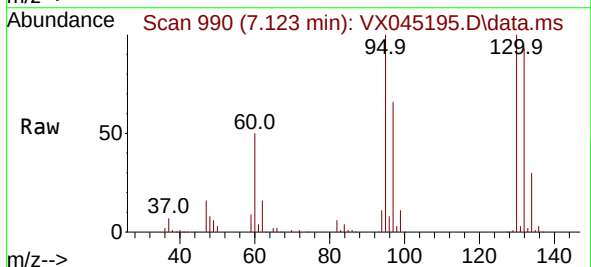


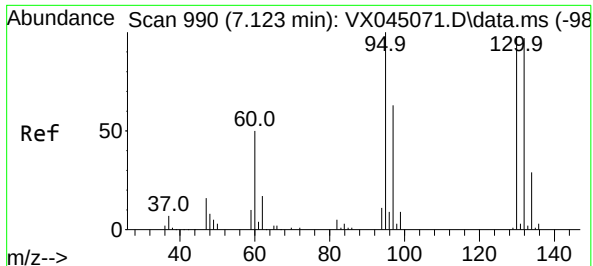
Tgt Ion:117 Resp: 7808
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.446 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 83 Resp: 2353
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 196.1 39.7 59.5#

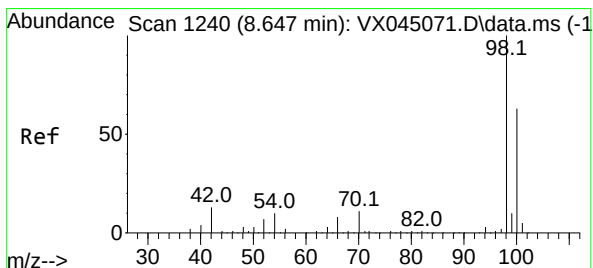
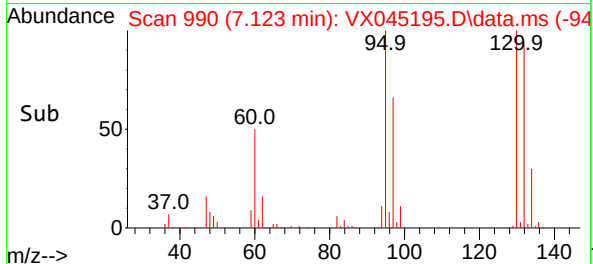
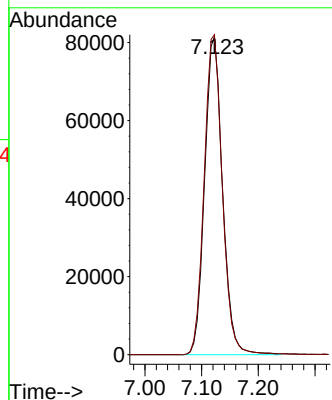
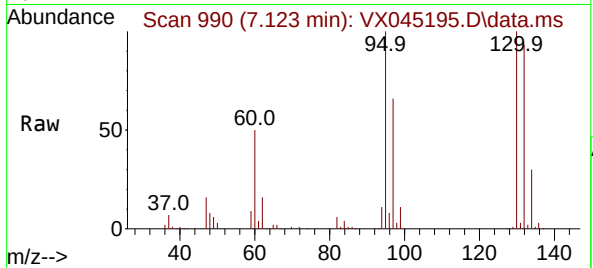




#44
Trichloroethene
Concen: 177.682 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

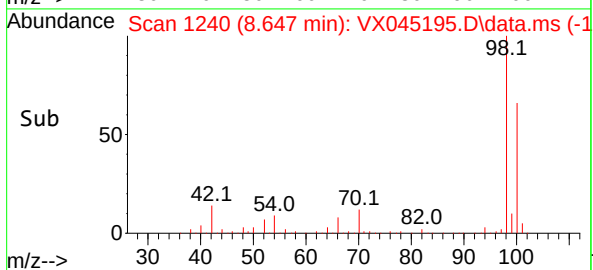
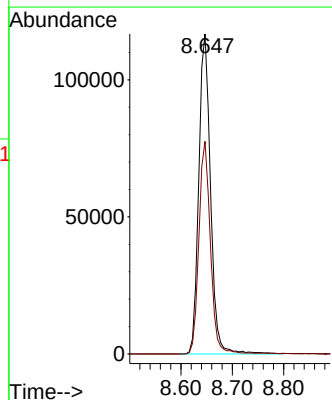
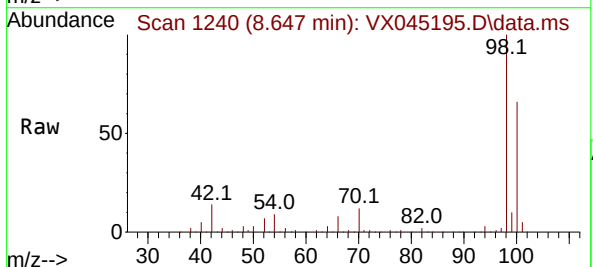
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

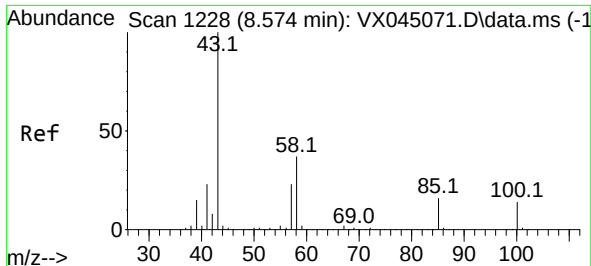
Tgt Ion:130 Resp: 178887
Ion Ratio Lower Upper
130 100
95 100.5 0.0 205.0



#50
Toluene-d8
Concen: 51.635 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 98 Resp: 185339
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

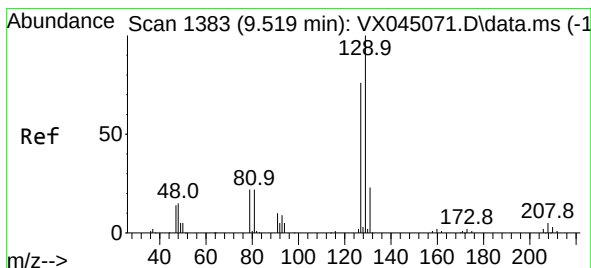
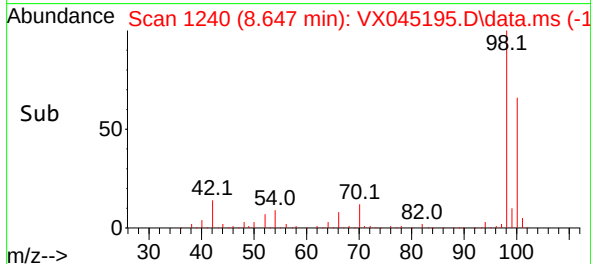
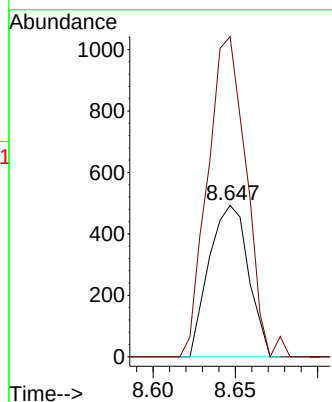
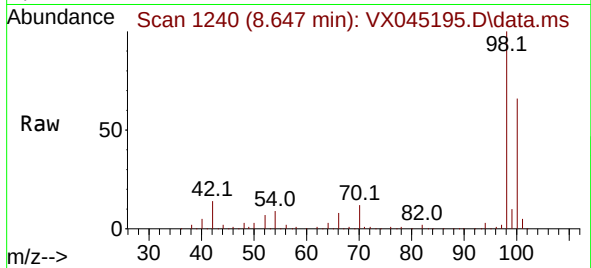




#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

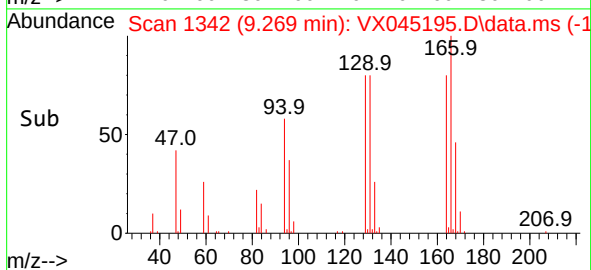
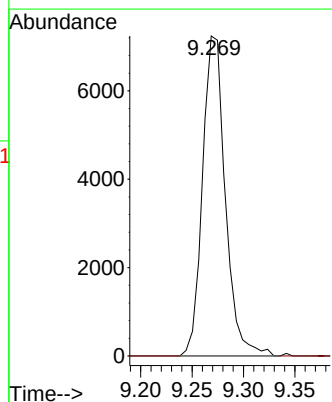
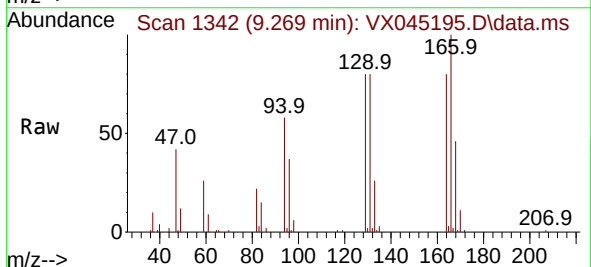
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

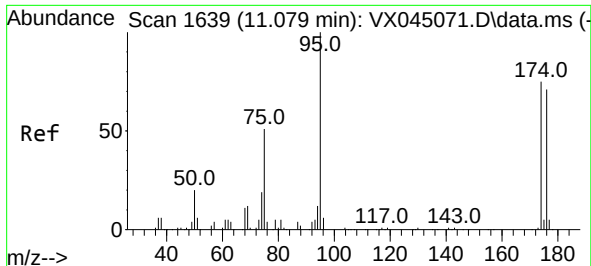
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
58 207.6 29.2 43.8#



#60
Dibromochloromethane
Concen: 10.341 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 129 Resp: 11198
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 52.676 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20250305

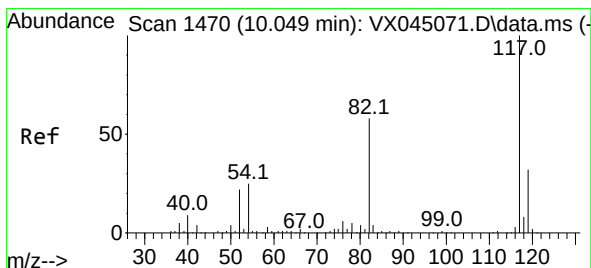
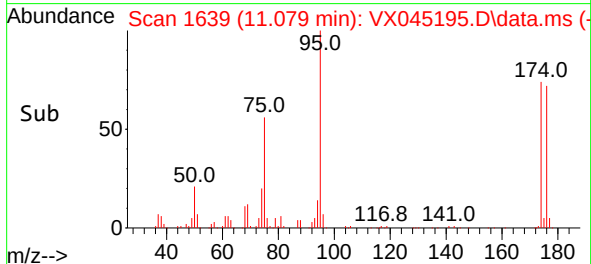
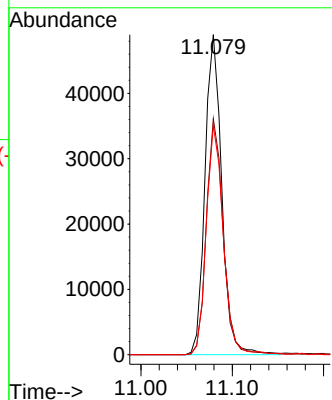
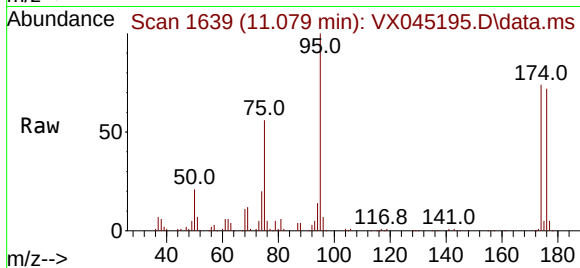
Tgt Ion: 95 Resp: 62654

Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.2

176 72.5 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045195.D

Acq: 10 Mar 2025 14:53

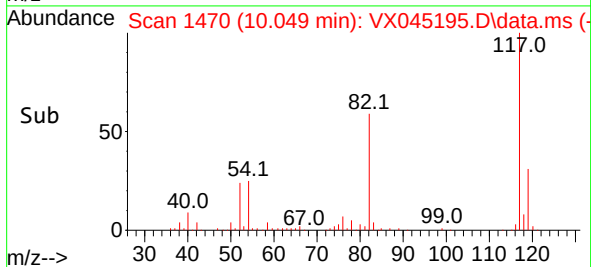
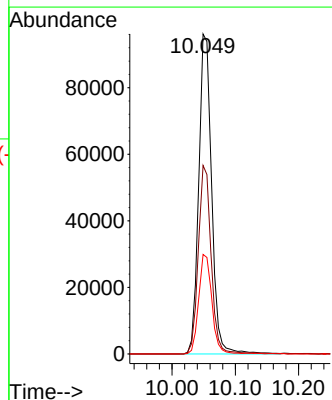
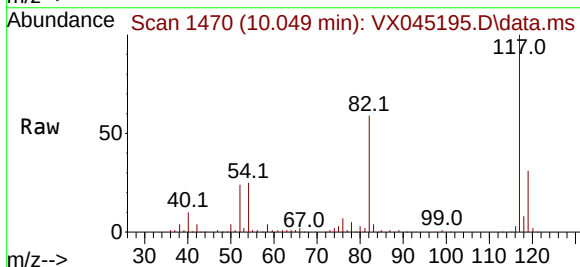
Tgt Ion: 117 Resp: 137062

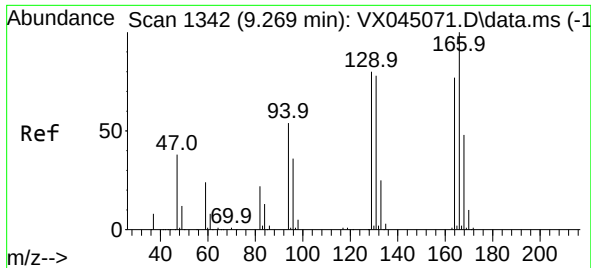
Ion Ratio Lower Upper

117 100

82 58.9 46.3 69.5

119 31.1 25.7 38.5

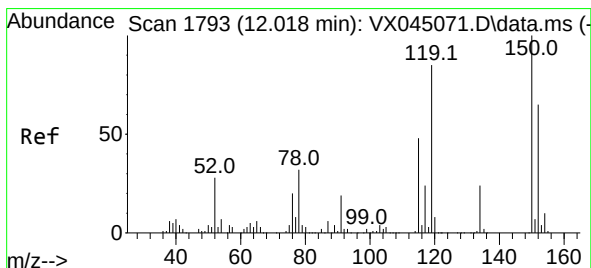
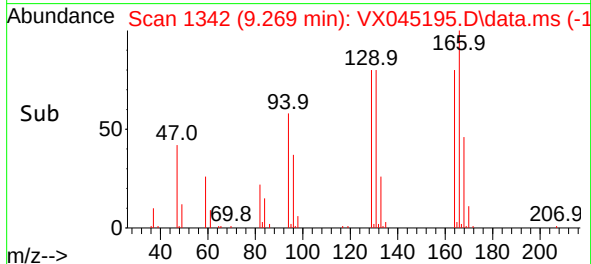
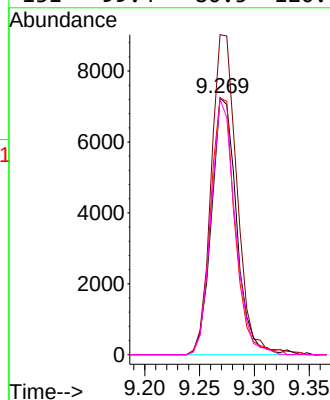
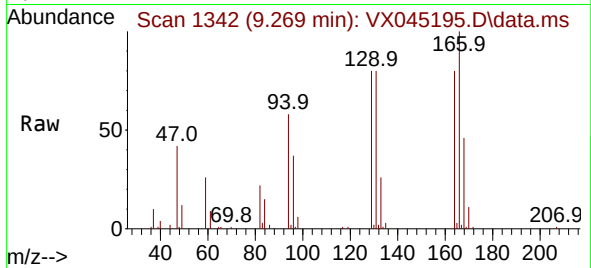




#64
Tetrachloroethene
Concen: 13.058 ug/l
RT: 9.269 min Scan# 11463
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

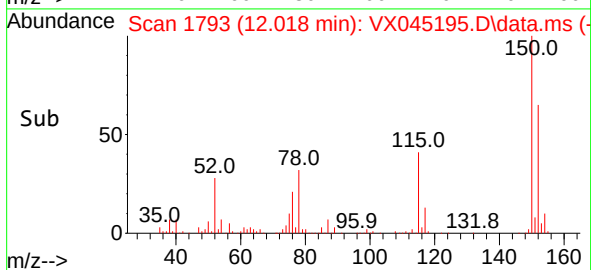
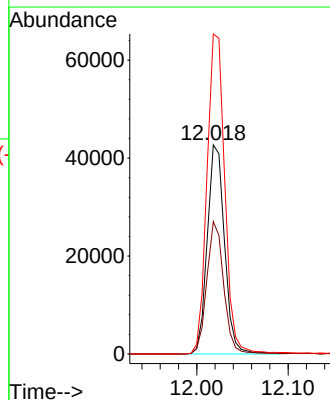
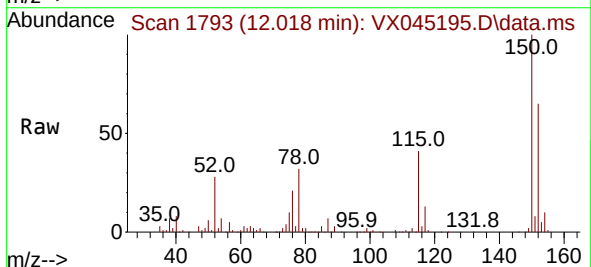
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

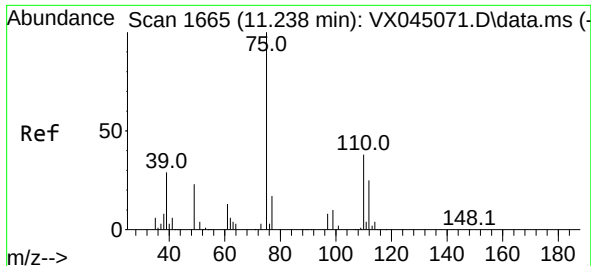
Tgt Ion:164	Resp:	11463
Ion	Ratio	Lower Upper
164	100	
166	124.5	103.6 155.4
129	99.9	82.7 124.1
131	99.4	80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion:152	Resp:	56025
Ion	Ratio	Lower Upper
152	100	
115	62.1	44.2 132.6
150	158.4	0.0 349.0

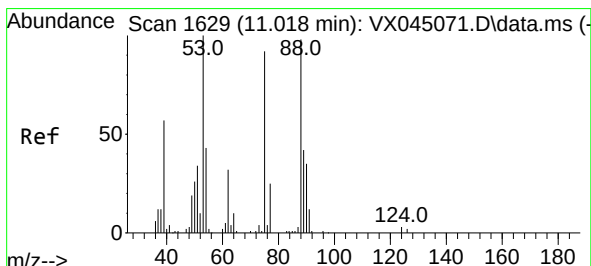
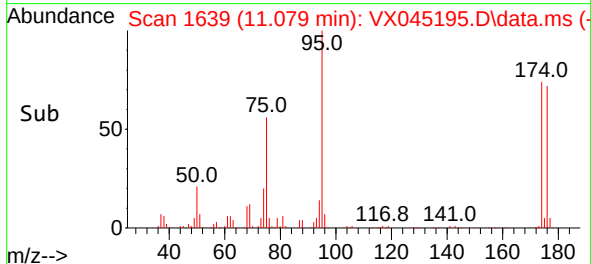
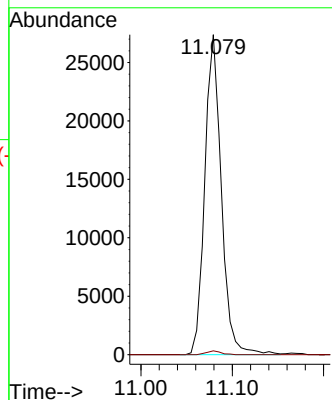
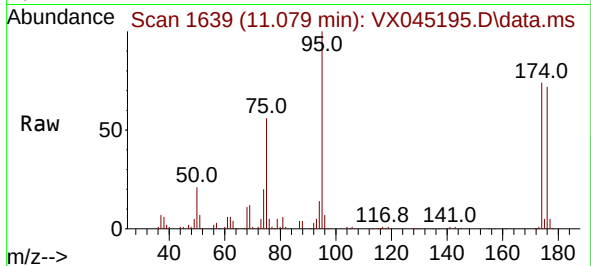




#76
1,2,3-Trichloropropane
Concen: 26.408 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion: 75 Resp: 34436
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.374 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 75 Resp: 34436
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

