

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045194.D
 Acq On : 10 Mar 2025 14:29
 Operator : JC/MD
 Sample : Q1500-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20250305

Quant Time: Mar 11 03:56:04 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)

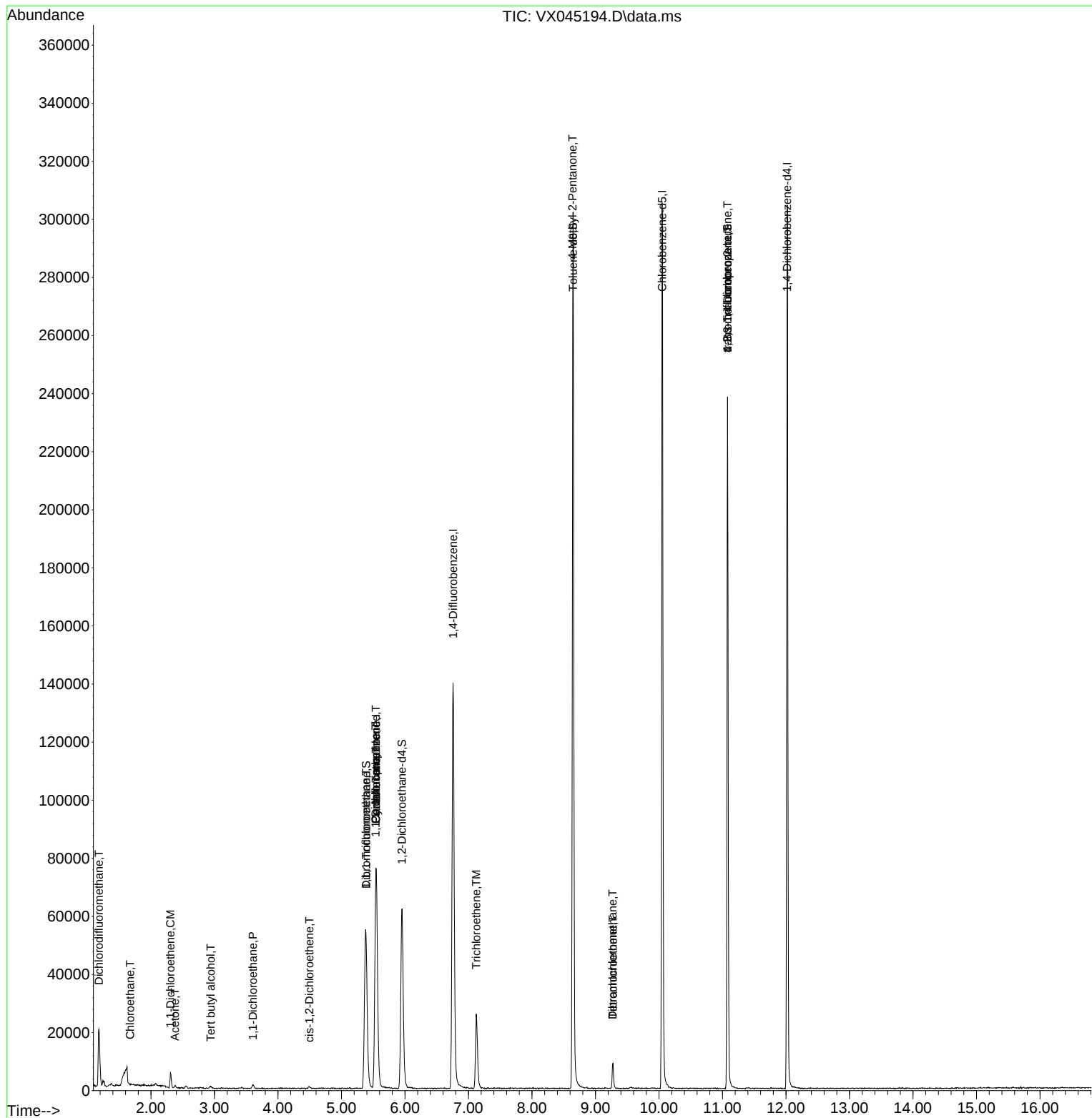
Internal Standards						
1) Pentafluorobenzene	5.544	168	70271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58640	52.462	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.920%	
35) Dibromofluoromethane	5.385	113	48480	51.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.320%	
50) Toluene-d8	8.647	98	175387	51.057	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	11.079	95	62634	55.024	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	477	0.539	ug/l	76
6) Chloroethane	1.673	64	106	0.214	ug/l #	41
11) Tert butyl alcohol	2.941	59	232	1.096	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	1331	1.541	ug/l	94
16) Acetone	2.380	43	771	1.487	ug/l	96
24) 1,1-Dichloroethane	3.605	63	1643	0.938	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	341	0.324	ug/l	82
31) Cyclohexane	5.544	56	1938	1.274	ug/l #	24
32) 1,1,1-Trichloroethane	5.385	97	553	0.393	ug/l #	51
36) 1,1-Dichloropropene	5.538	75	6624	5.098	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7633	5.786	ug/l #	15
44) Trichloroethene	7.123	130	9818	10.190	ug/l	93
51) 4-Methyl-2-Pentanone	8.641	43	951	0.572	ug/l #	1
60) Dibromochloromethane	9.269	129	1703	1.643	ug/l #	11
64) Tetrachloroethene	9.275	164	1767	2.073	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	34022	24.946	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34022	85.371	ug/l #	6

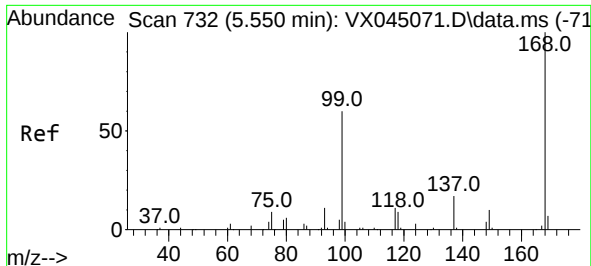
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
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MSVOA_X
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MW179D2-20250305

Quant Time: Mar 11 03:56:04 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

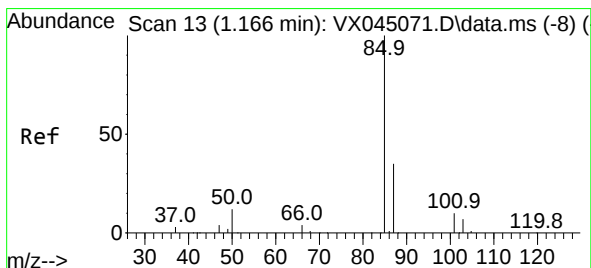
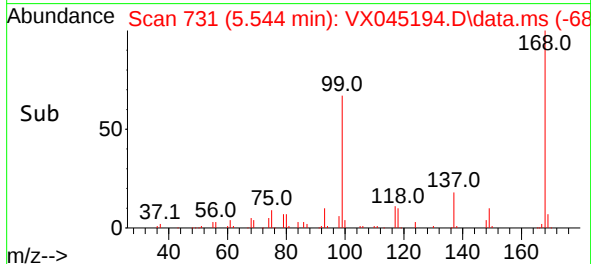
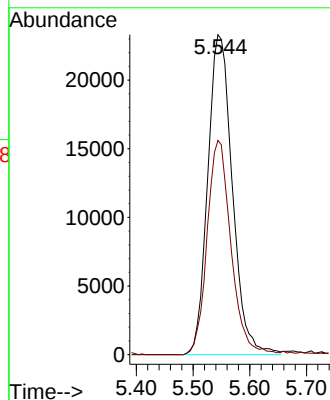
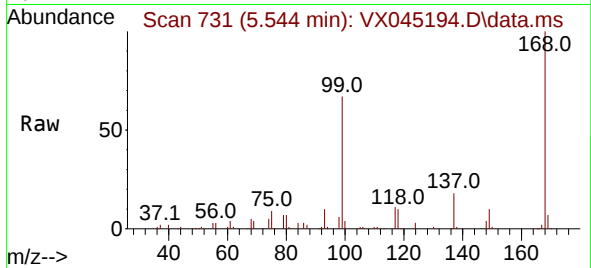




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

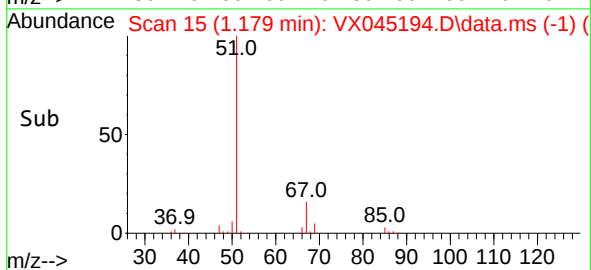
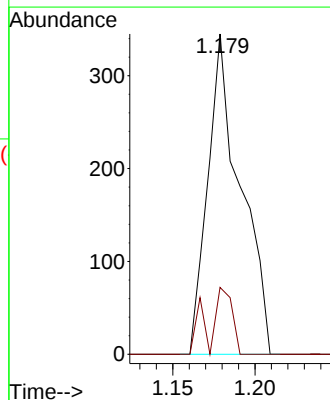
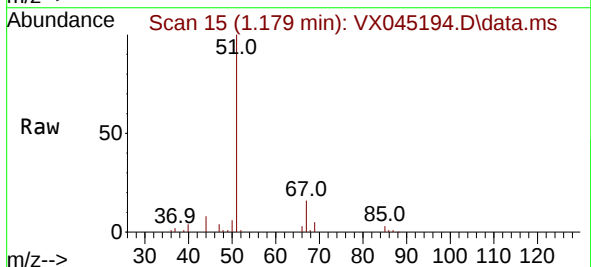
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

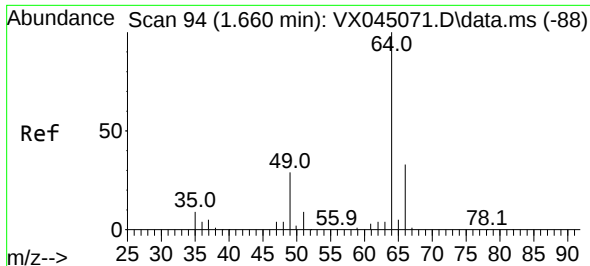
Tgt Ion:168 Resp: 70271
Ion Ratio Lower Upper
168 100
99 67.0 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.539 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.012 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 85 Resp: 477
Ion Ratio Lower Upper
85 100
87 20.9 17.4 52.3

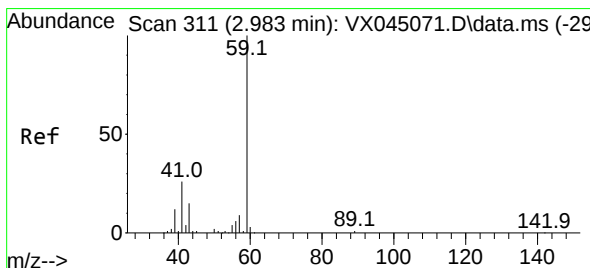
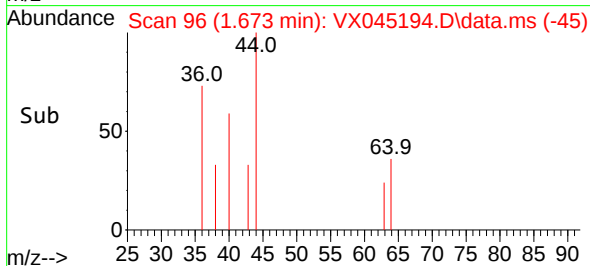
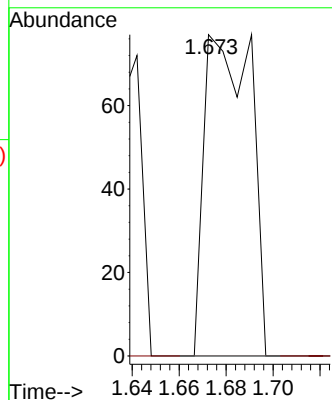
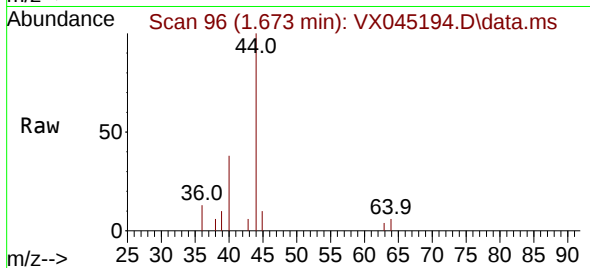




#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.673 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

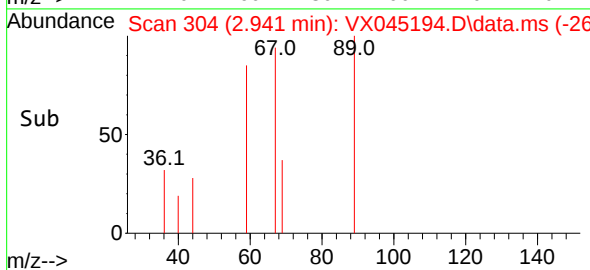
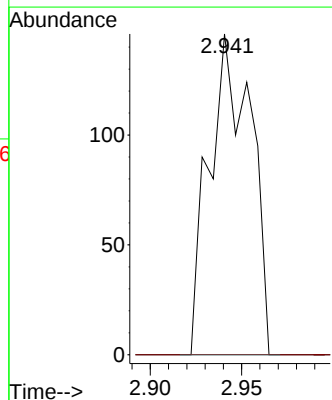
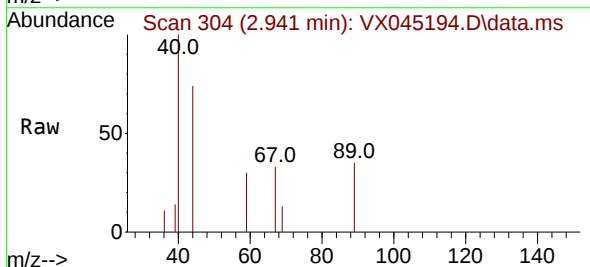
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

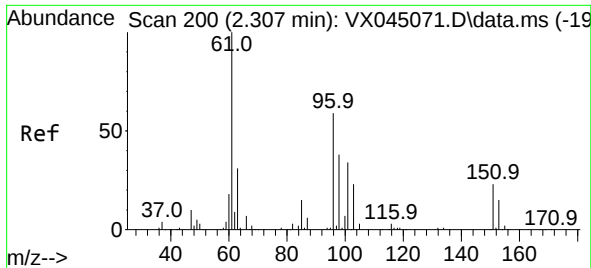
Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 1.096 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.541 ug/l

RT: 2.307 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX045194.D

Acq: 10 Mar 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20250305

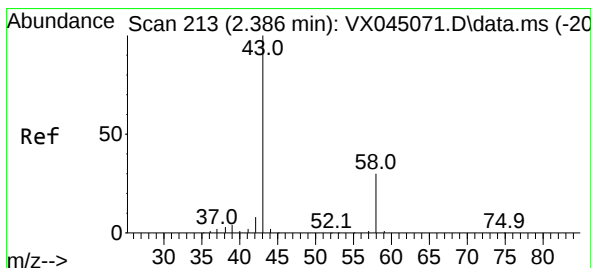
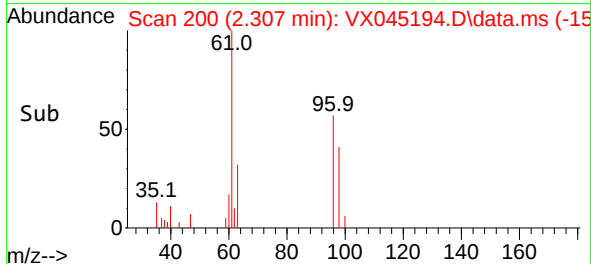
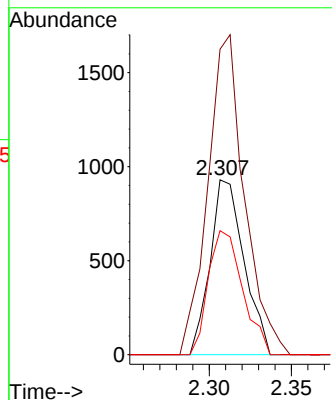
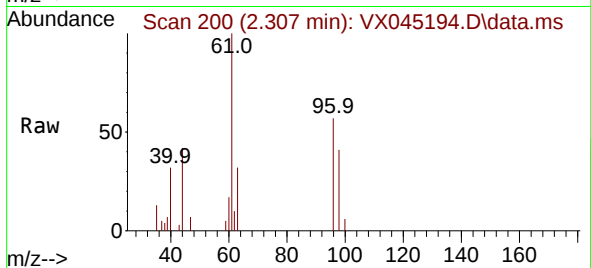
Tgt Ion: 96 Resp: 1331

Ion Ratio Lower Upper

96 100

61 174.7 134.6 202.0

98 71.0 51.0 76.6



#16

Acetone

Concen: 1.487 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045194.D

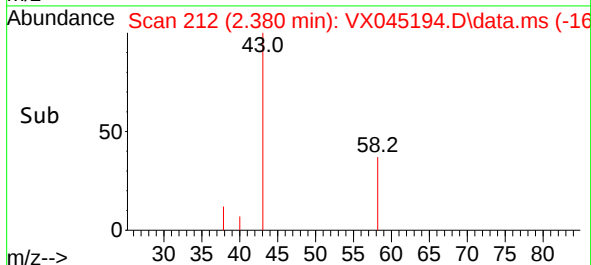
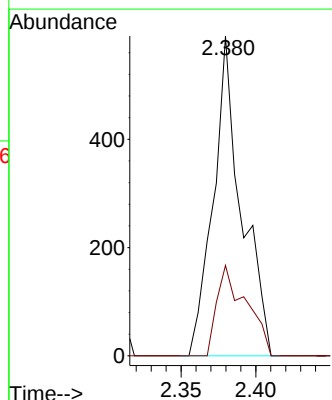
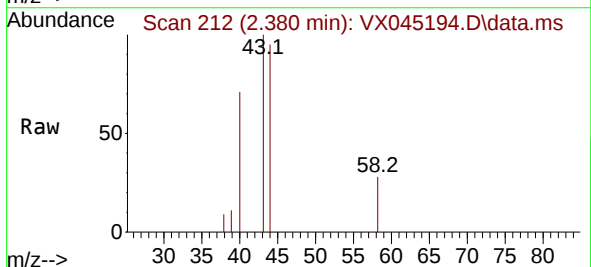
Acq: 10 Mar 2025 14:29

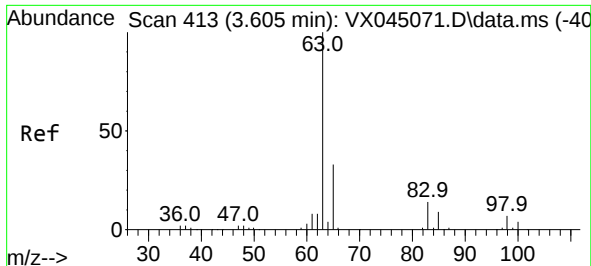
Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 28.3 24.2 36.4

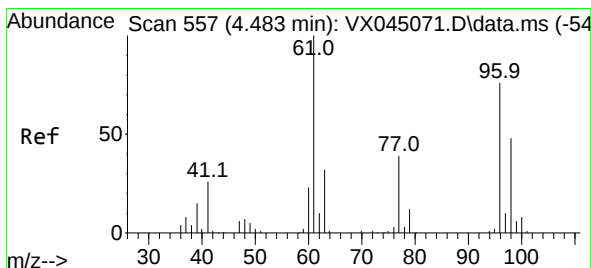
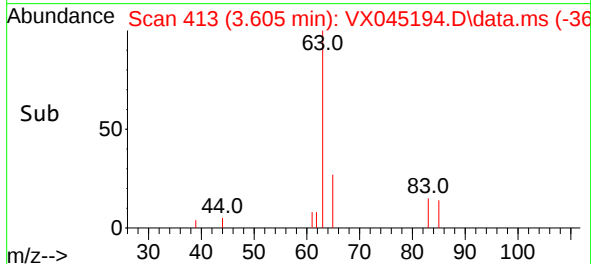
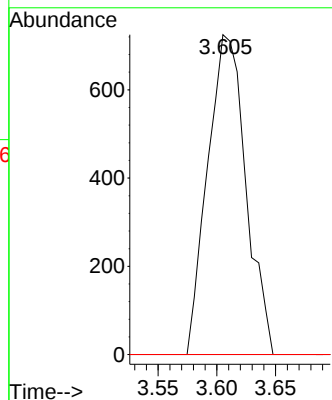
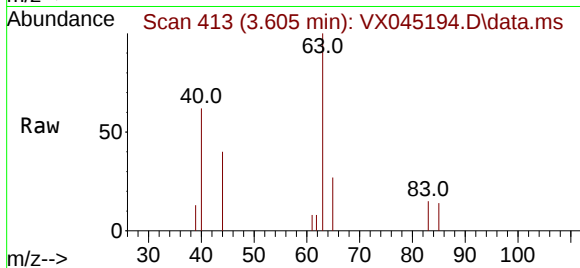




#24
 1,1-Dichloroethane
 Concen: 0.938 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX045194.D
 Acq: 10 Mar 2025 14:29

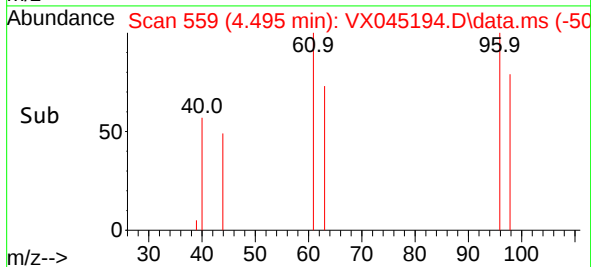
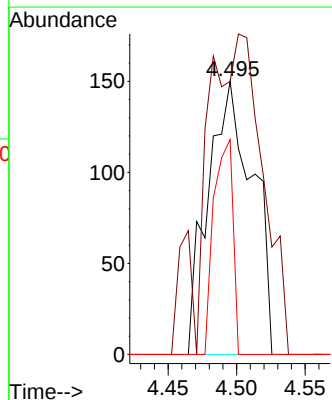
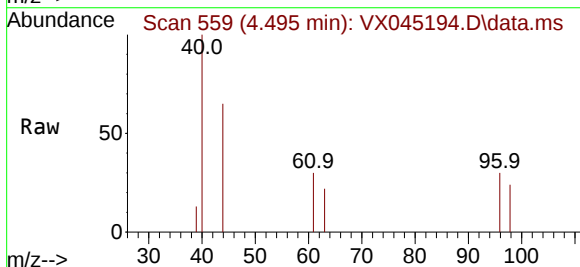
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20250305

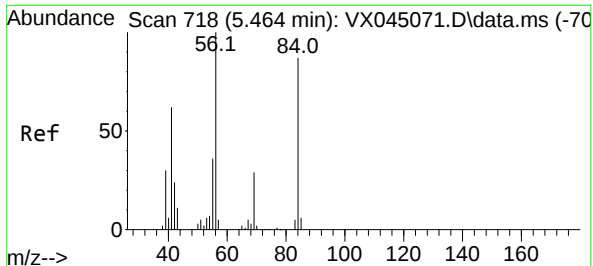
Tgt Ion: 63 Resp: 1643
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.324 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: VX045194.D
 Acq: 10 Mar 2025 14:29

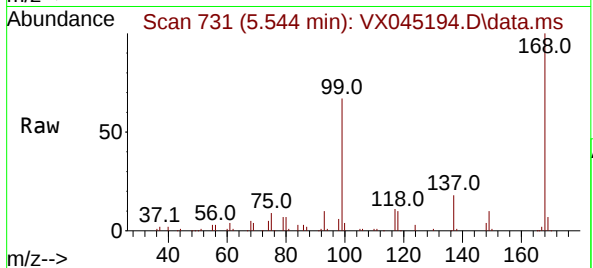
Tgt Ion: 96 Resp: 341
 Ion Ratio Lower Upper
 96 100
 61 151.6 0.0 283.2
 98 33.4 0.0 128.0



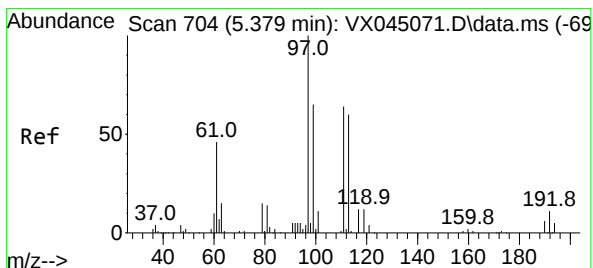
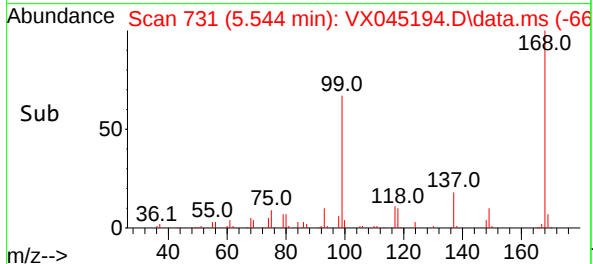
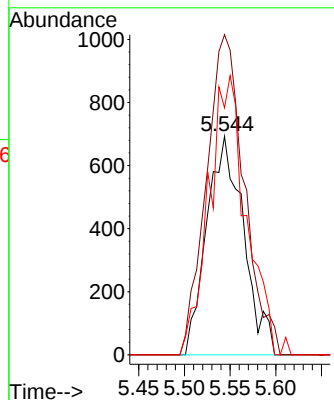


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

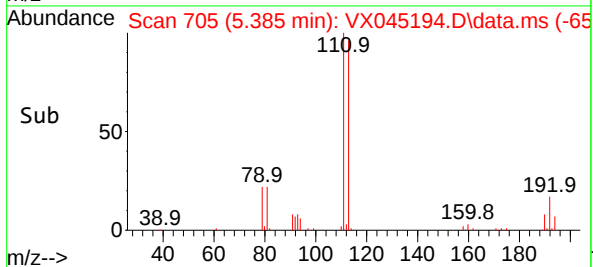
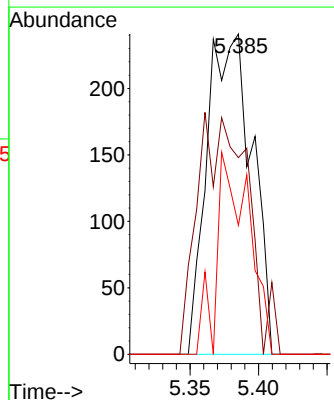
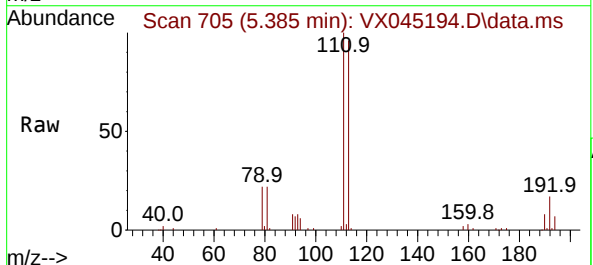


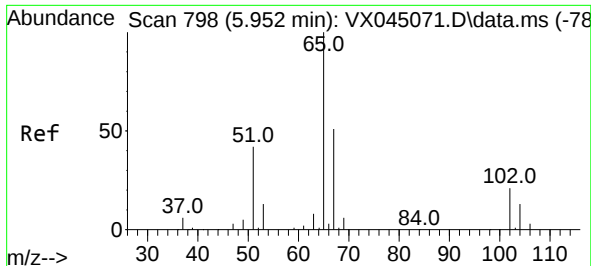
Tgt Ion: 56 Resp: 1938
Ion Ratio Lower Upper
56 100
69 146.5 23.4 35.2#
84 113.0 69.4 104.2#



#32
1,1,1-Trichloroethane
Concen: 0.393 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 97 Resp: 553
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 45.4 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 52.462 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045194.D

Acq: 10 Mar 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

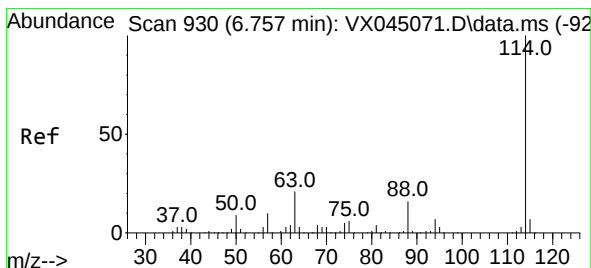
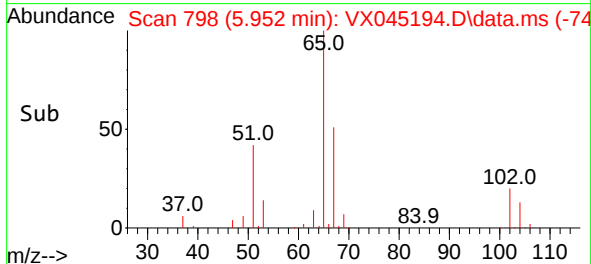
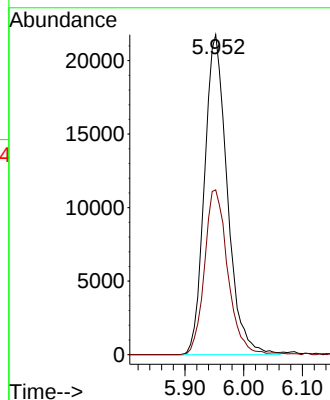
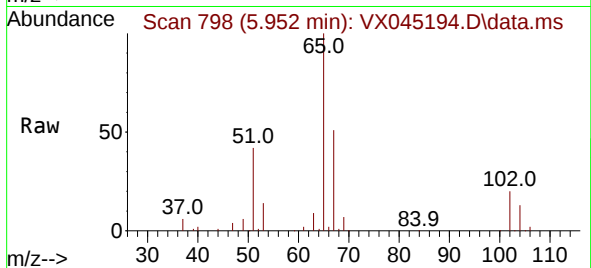
MW179D2-20250305

Tgt Ion: 65 Resp: 58640

Ion Ratio Lower Upper

65 100

67 52.5 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: VX045194.D

Acq: 10 Mar 2025 14:29

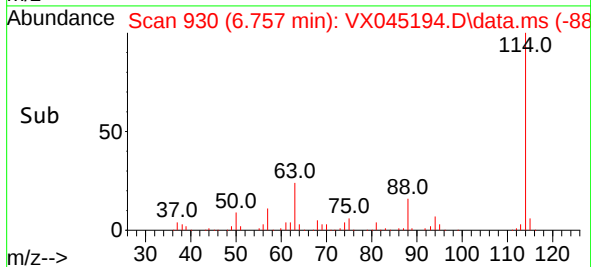
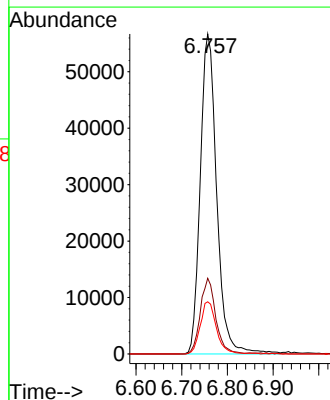
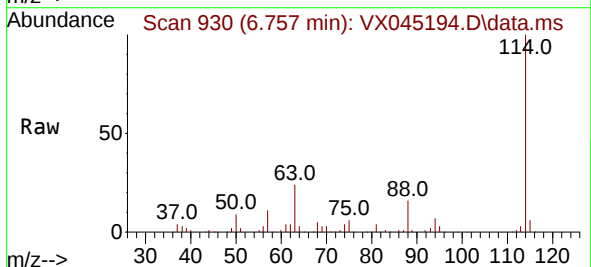
Tgt Ion: 114 Resp: 141703

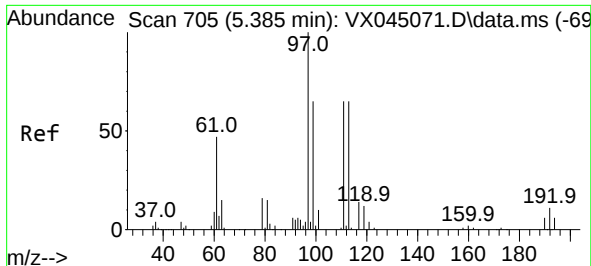
Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.8

88 16.3 0.0 32.8

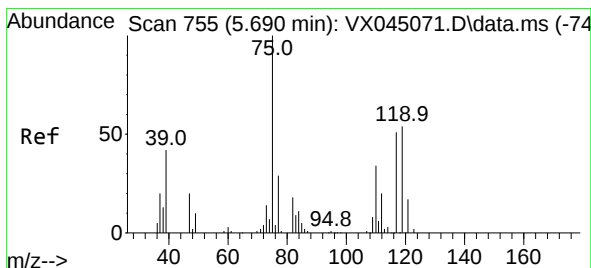
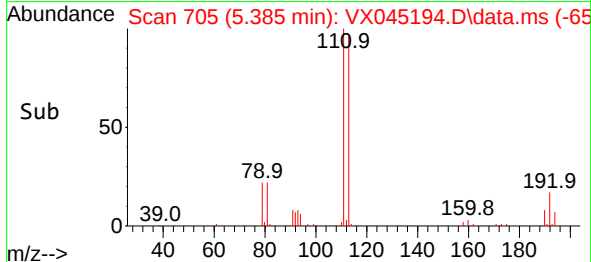
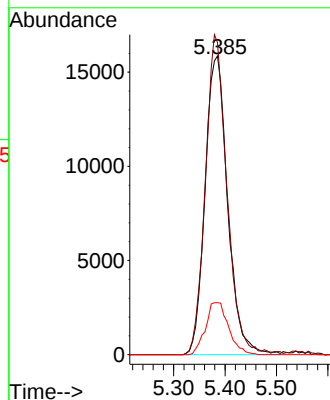
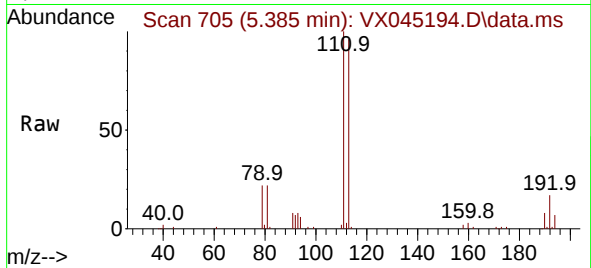




#35
Dibromofluoromethane
Concen: 51.165 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

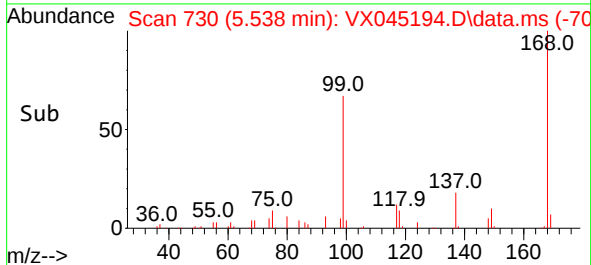
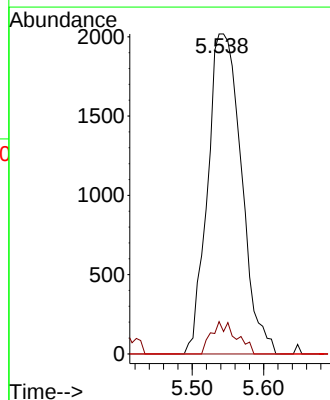
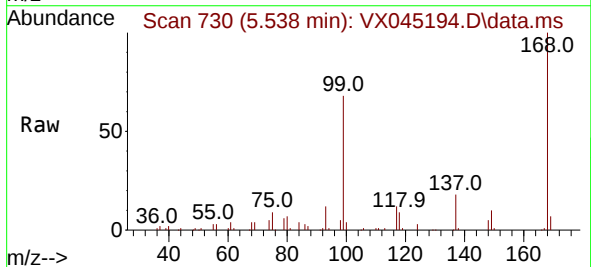
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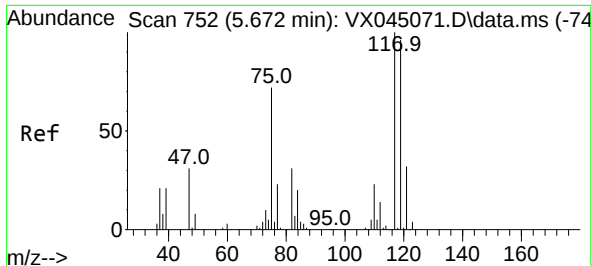
Tgt Ion:113 Resp: 48480
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 17.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

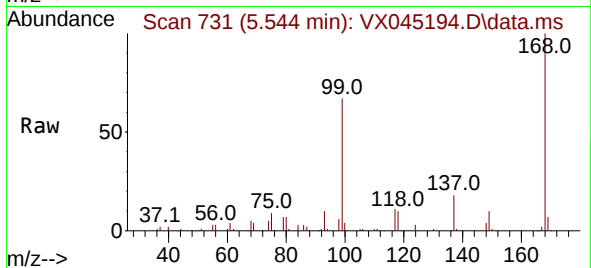
Tgt Ion: 75 Resp: 6624
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.6#
77 0.0 24.5 36.7#



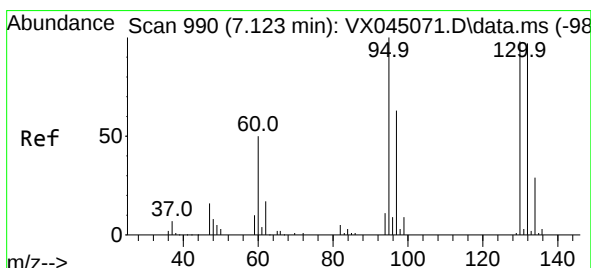
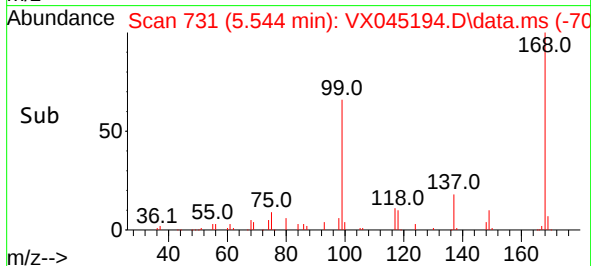
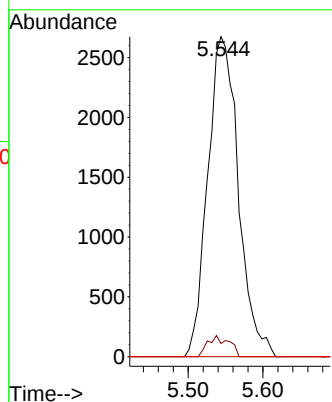


#38
Carbon Tetrachloride
Concen: 5.786 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

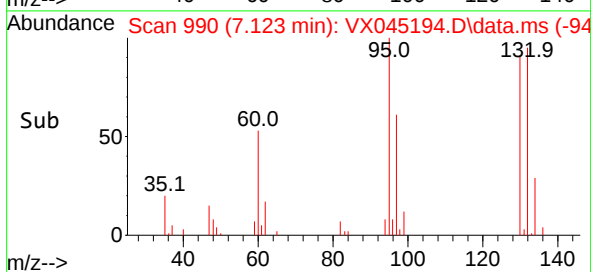
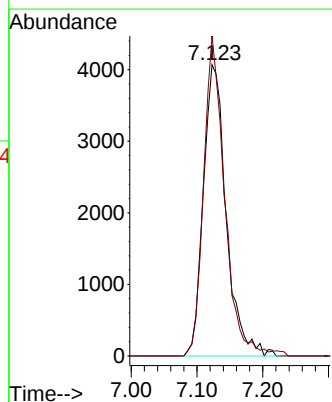
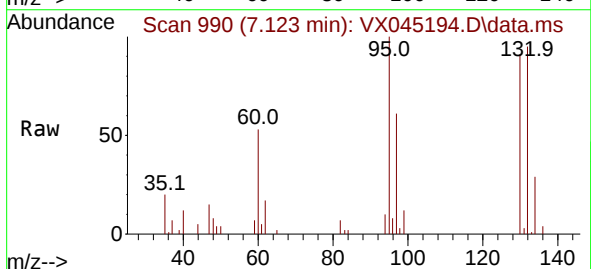


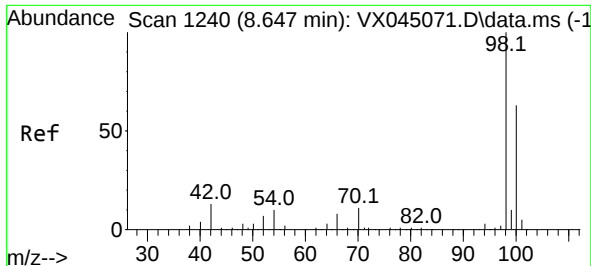
Tgt Ion:117 Resp: 7633
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 25.5 38.3#



#44
Trichloroethene
Concen: 10.190 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion:130 Resp: 9818
Ion Ratio Lower Upper
130 100
95 109.9 0.0 205.0

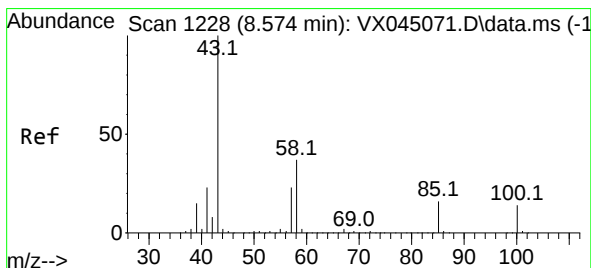
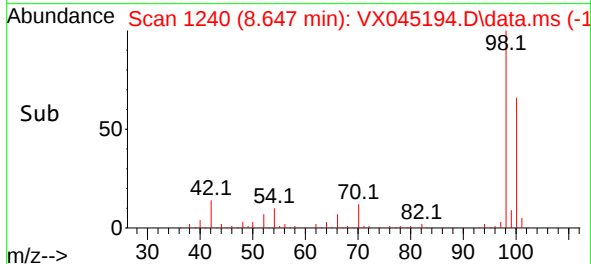
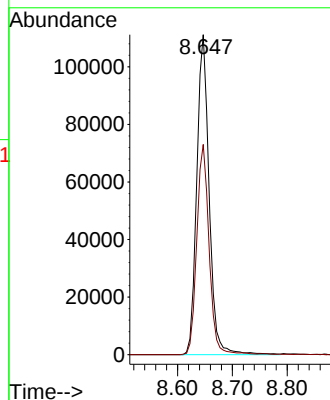
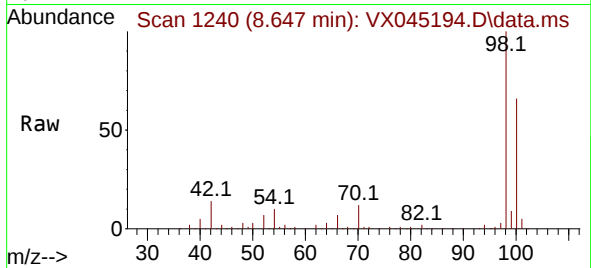




#50
Toluene-d8
Concen: 51.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

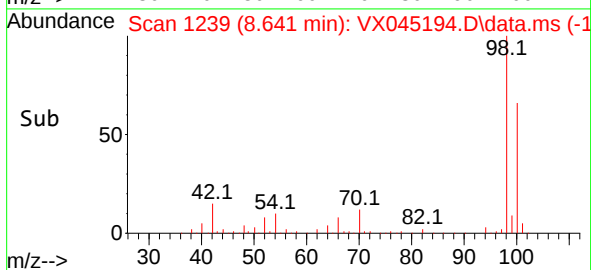
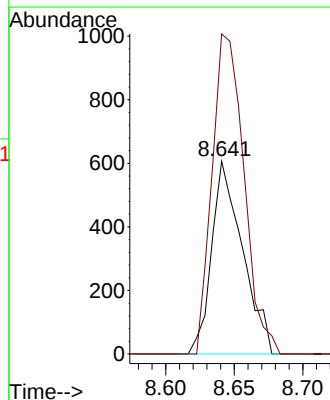
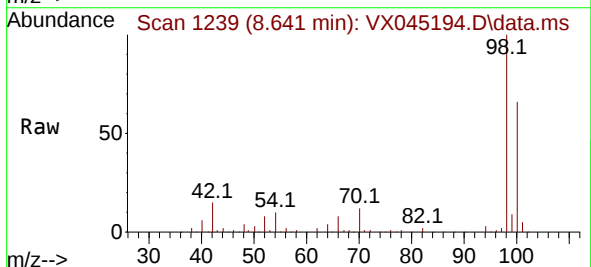
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

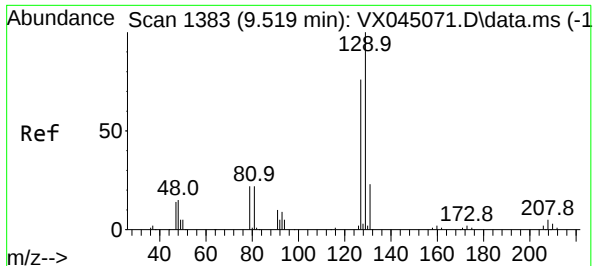
Tgt Ion: 98 Resp: 175387
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 171.3 29.2 43.8#





#60

Dibromochloromethane

Concen: 1.643 ug/l

RT: 9.269 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX045194.D

Acq: 10 Mar 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

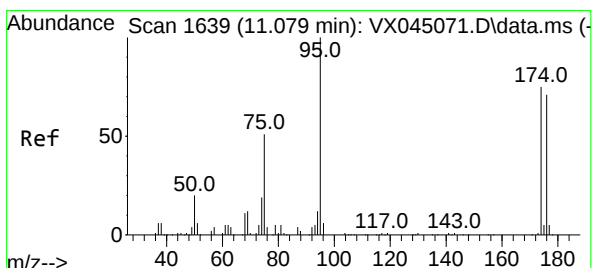
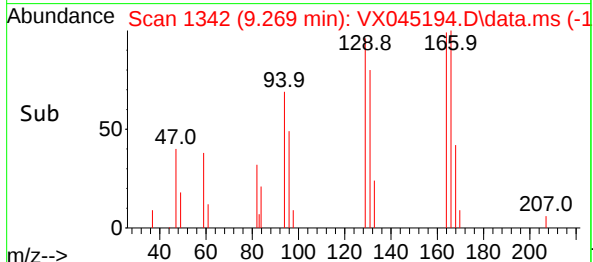
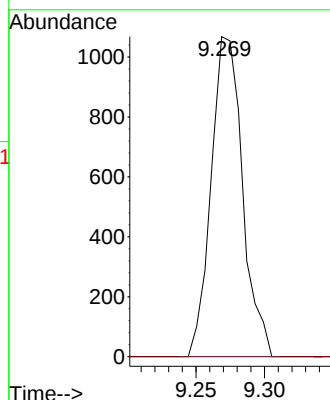
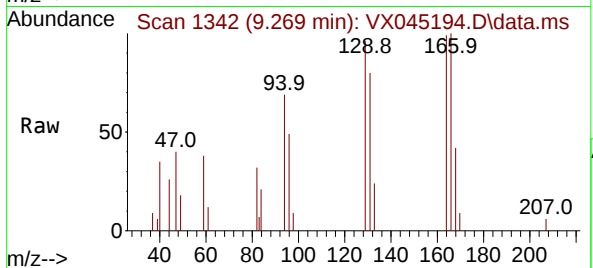
MW179D2-20250305

Tgt Ion:129 Resp: 1703

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 55.024 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045194.D

Acq: 10 Mar 2025 14:29

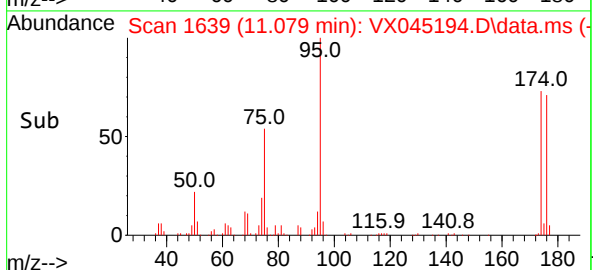
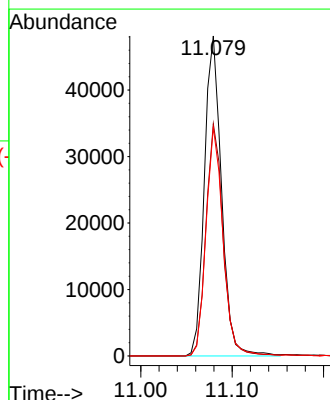
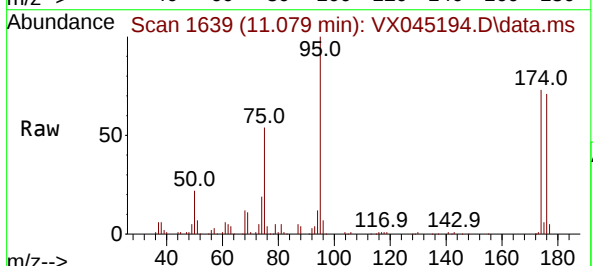
Tgt Ion: 95 Resp: 62634

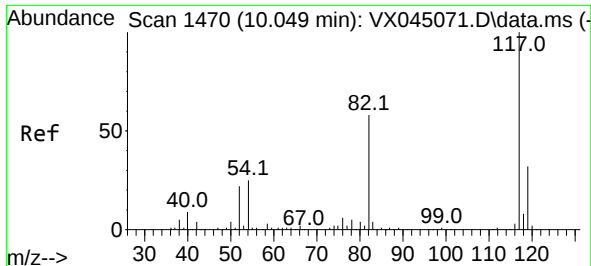
Ion Ratio Lower Upper

95 100

174 72.8 0.0 148.2

176 70.8 0.0 141.4

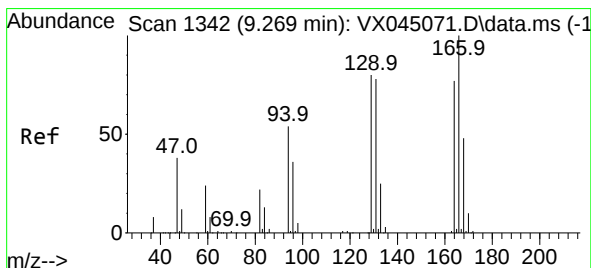
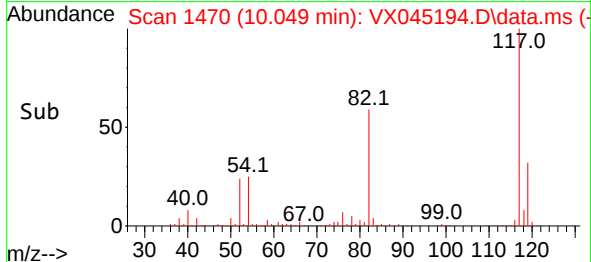
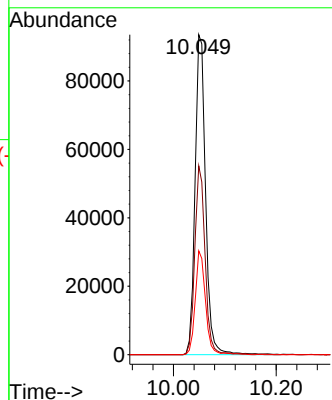
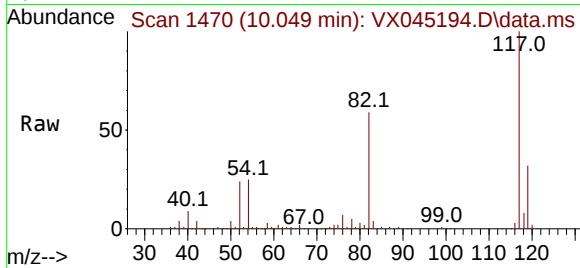




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

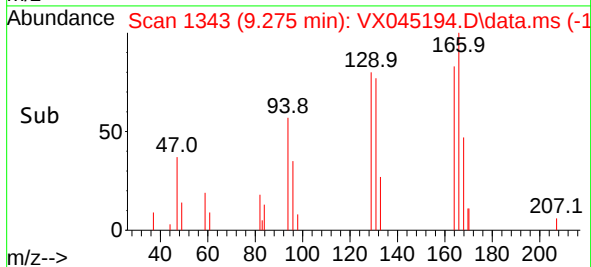
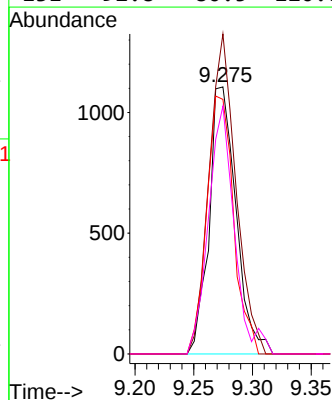
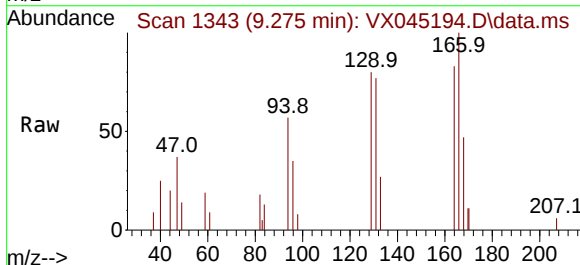
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

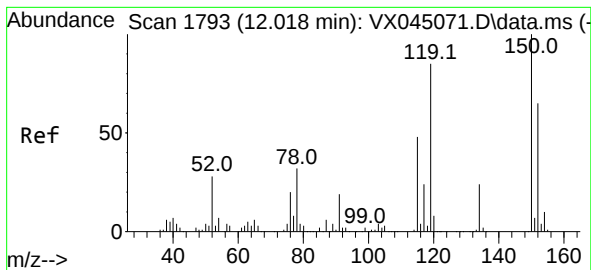
Tgt Ion:117 Resp: 133082
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 2.073 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion:164 Resp: 1767
Ion Ratio Lower Upper
164 100
166 119.8 103.6 155.4
129 95.3 82.7 124.1
131 92.8 80.5 120.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045194.D

Acq: 10 Mar 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20250305

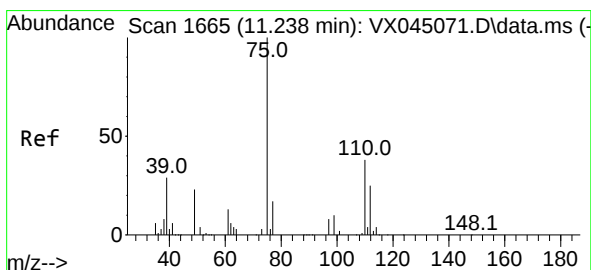
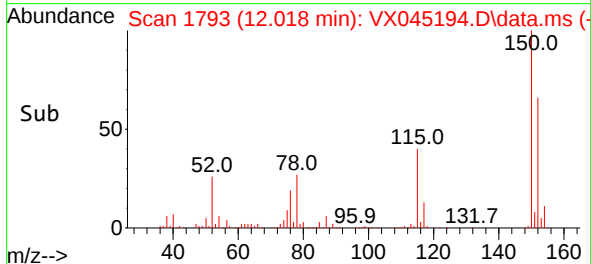
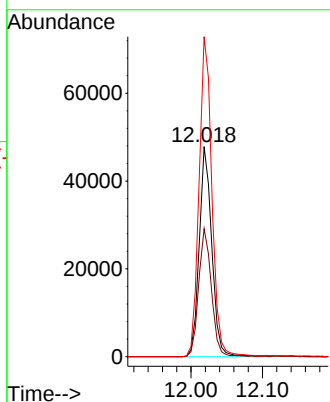
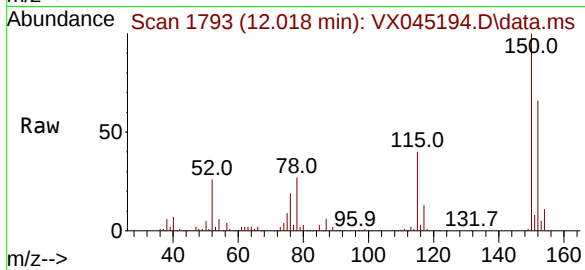
Tgt Ion:152 Resp: 58595

Ion Ratio Lower Upper

152 100

115 61.6 44.2 132.6

150 155.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 24.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045194.D

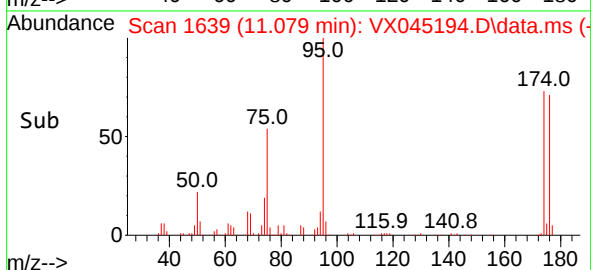
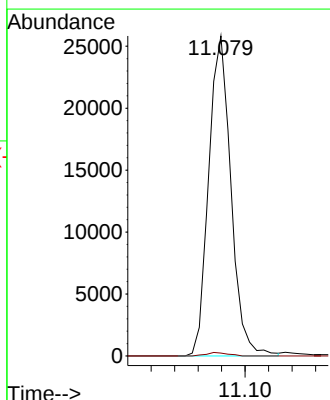
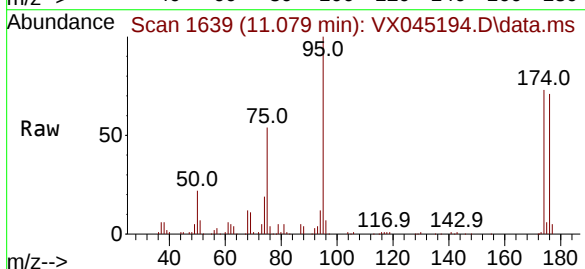
Acq: 10 Mar 2025 14:29

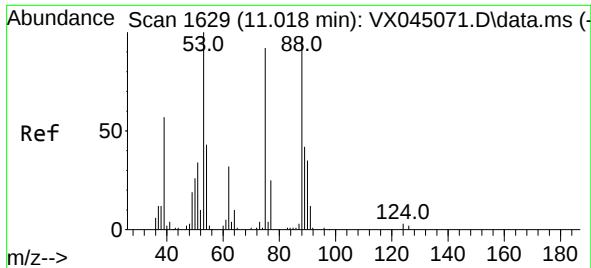
Tgt Ion: 75 Resp: 34022

Ion Ratio Lower Upper

75 100

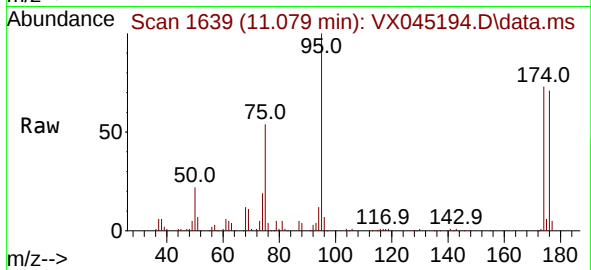
77 1.0 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.371 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305



Tgt Ion: 75 Resp: 34022
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

