

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045218.D
 Acq On : 11 Mar 2025 12:50
 Operator : JC/MD
 Sample : Q1500-07DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20250305DL

Quant Time: Mar 12 01:47:15 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)

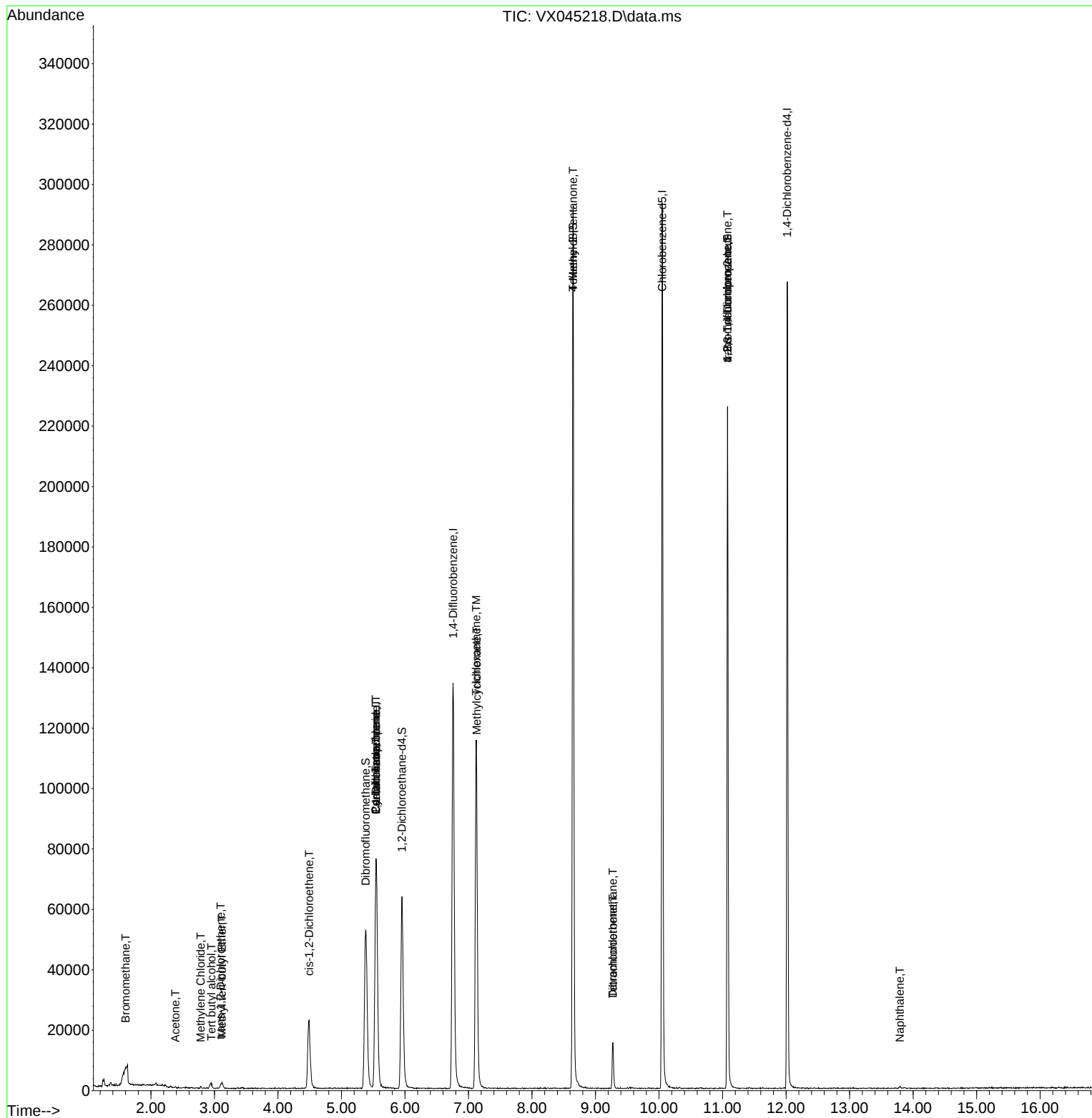
Internal Standards						
1) Pentafluorobenzene	5.544	168	69879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58225	52.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.760%	
35) Dibromofluoromethane	5.379	113	47072	51.407	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.820%	
50) Toluene-d8	8.647	98	171563	51.681	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	11.079	95	58778	53.433	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.860%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	185	0.441	ug/l #	76
11) Tert butyl alcohol	2.953	59	927	4.403	ug/l #	73
16) Acetone	2.386	43	408	0.791	ug/l	89
19) Methyl tert-butyl Ether	3.117	73	1927	0.669	ug/l #	75
20) Methylene Chloride	2.782	84	289	0.283	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	239	0.282	ug/l #	73
27) cis-1,2-Dichloroethene	4.489	96	14319	13.674	ug/l	94
31) Cyclohexane	5.544	56	1875	1.240	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6393	5.091	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7705	6.044	ug/l #	15
39) Methylcyclohexane	7.129	83	600	0.399	ug/l #	1
44) Trichloroethene	7.123	130	44154	47.421	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	957	0.596	ug/l #	1
60) Dibromochloromethane	9.275	129	3046	3.042	ug/l #	11
64) Tetrachloroethene	9.275	164	2960	3.559	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	32242	27.250	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32242	93.255	ug/l #	6
95) Naphthalene	13.792	128	819	0.223	ug/l #	69

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

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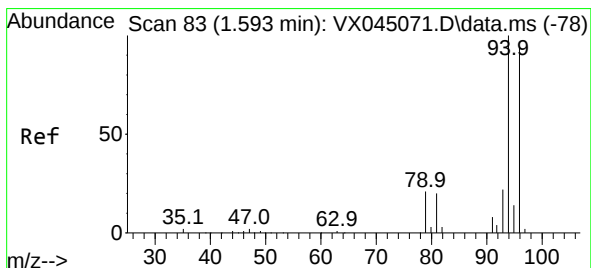
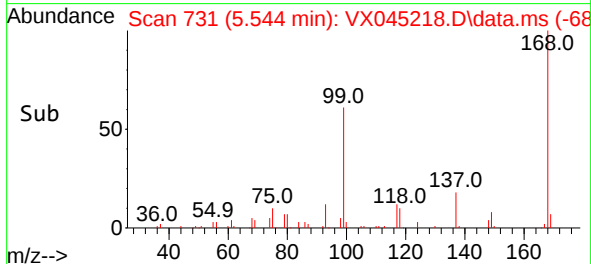
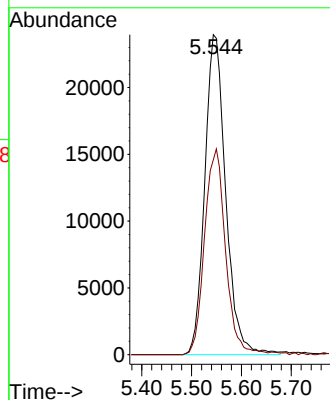
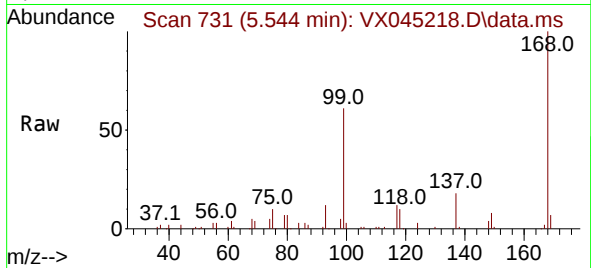




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

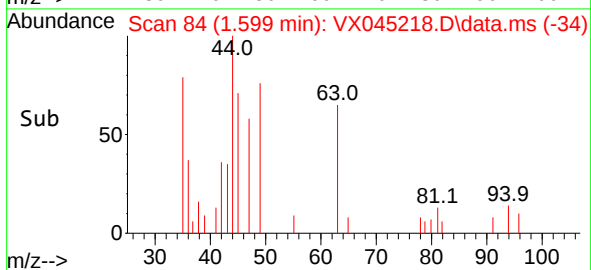
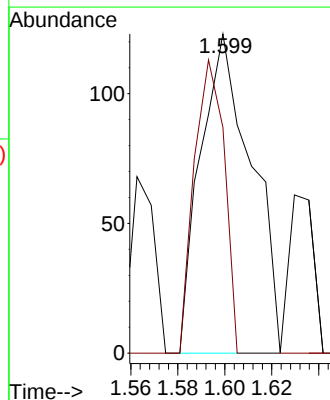
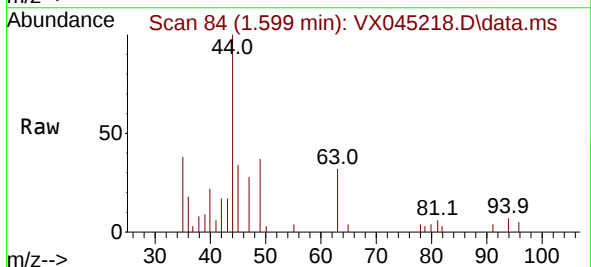
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

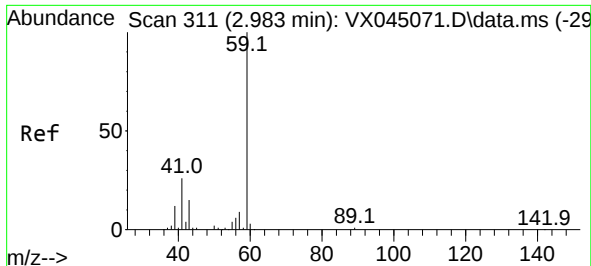
Tgt Ion:168 Resp: 69879
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4



#5
Bromomethane
Concen: 0.441 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 94 Resp: 185
Ion Ratio Lower Upper
94 100
96 70.7 75.0 112.4#

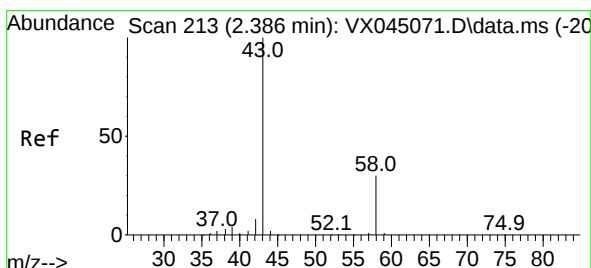
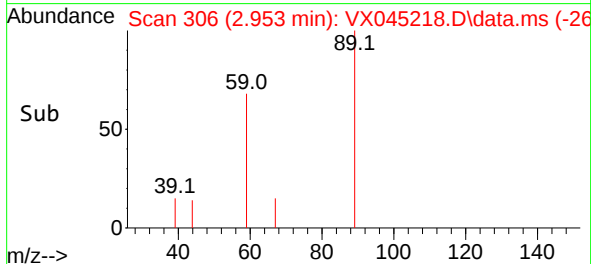
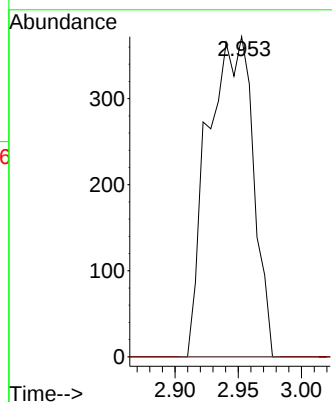
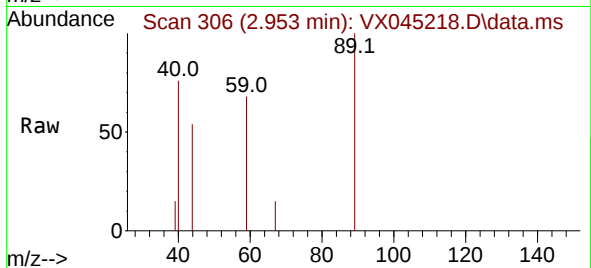




#11
Tert butyl alcohol
Concen: 4.403 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

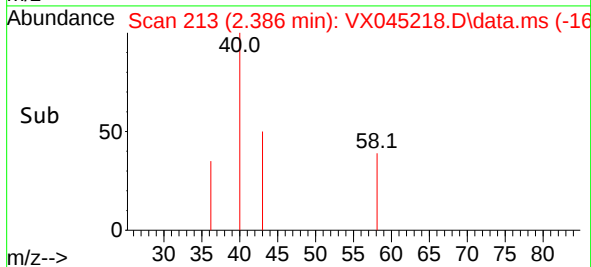
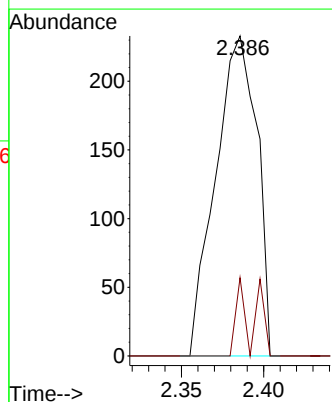
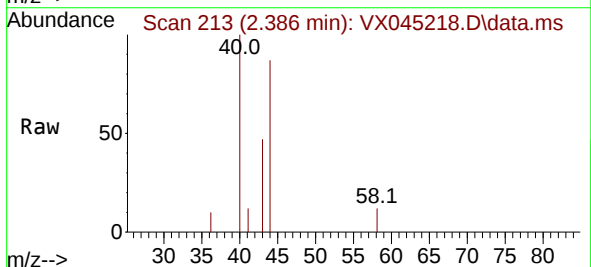
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

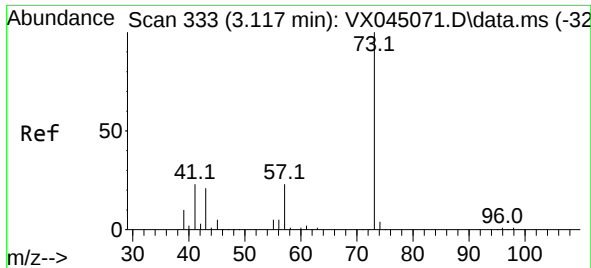
Tgt Ion: 59 Resp: 927
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 0.791 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 24.5 24.2 36.4

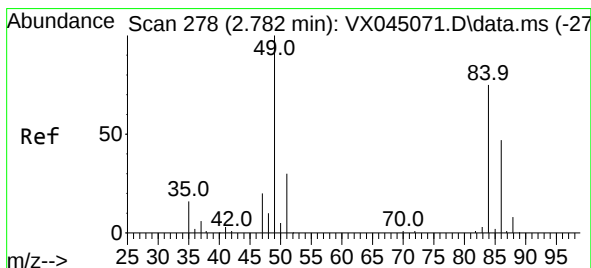
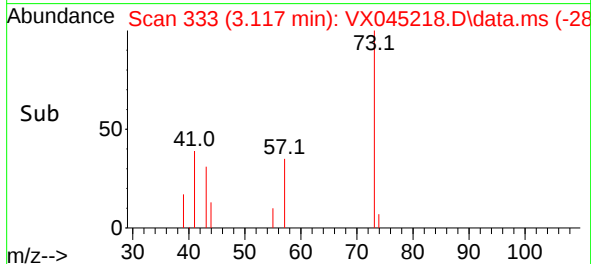
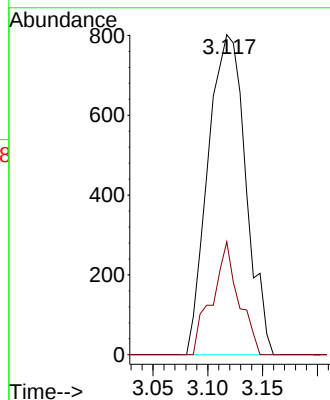
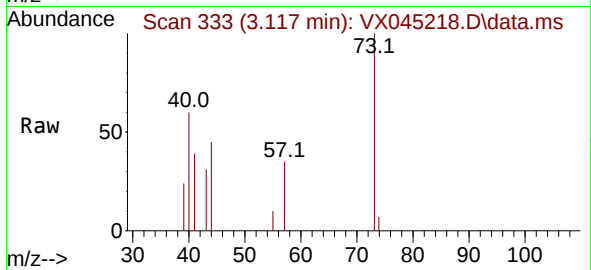




#19
Methyl tert-butyl Ether
Concen: 0.669 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

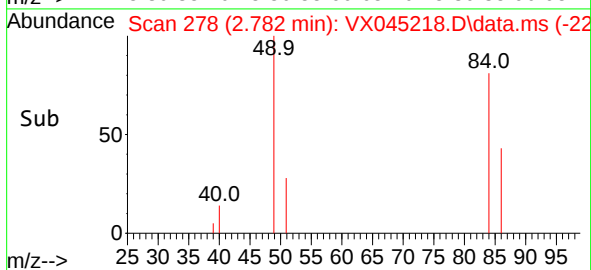
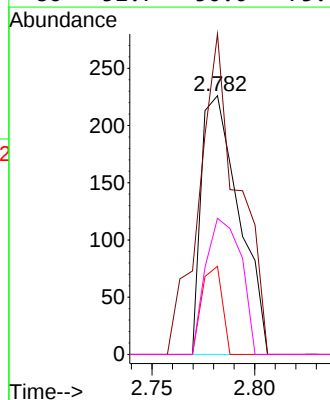
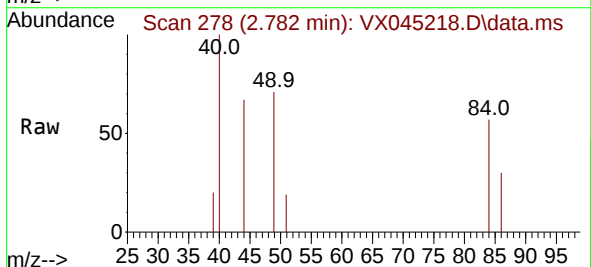
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

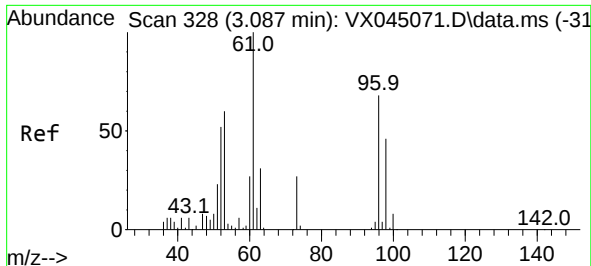
Tgt Ion: 73 Resp: 1927
Ion Ratio Lower Upper
73 100
57 35.3 18.5 27.7#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 84 Resp: 289
Ion Ratio Lower Upper
84 100
49 123.9 106.5 159.7
51 34.1 32.1 48.1
86 52.7 50.0 75.0

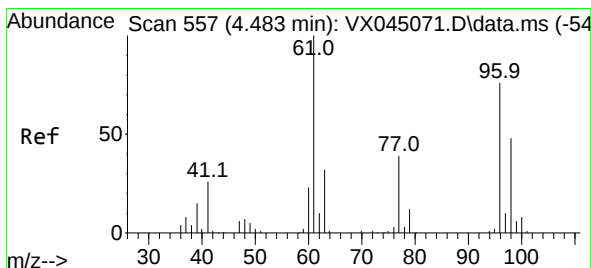
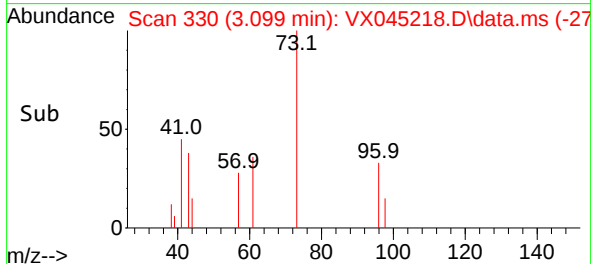
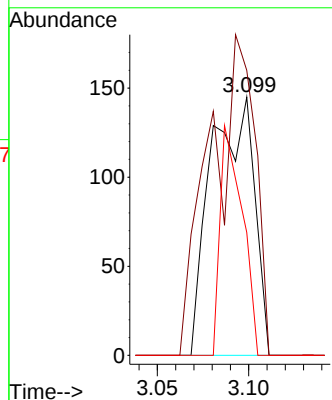
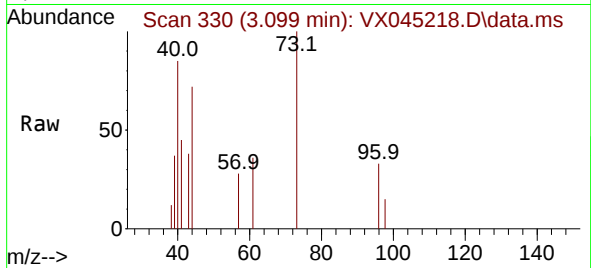




#21
trans-1,2-Dichloroethene
Concen: 0.282 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

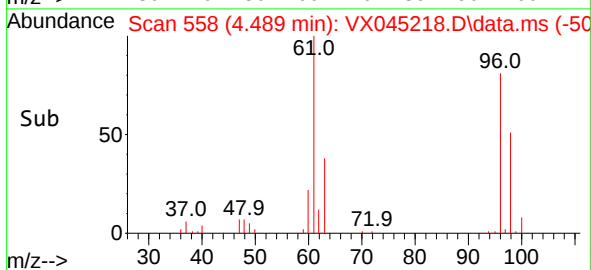
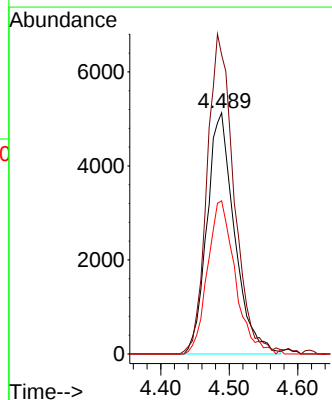
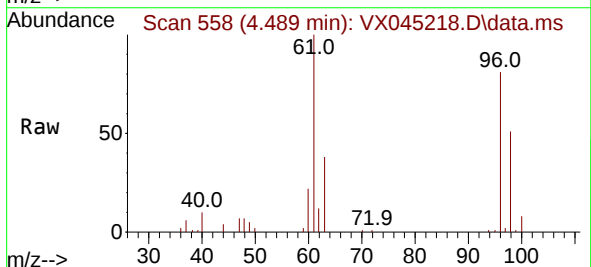
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

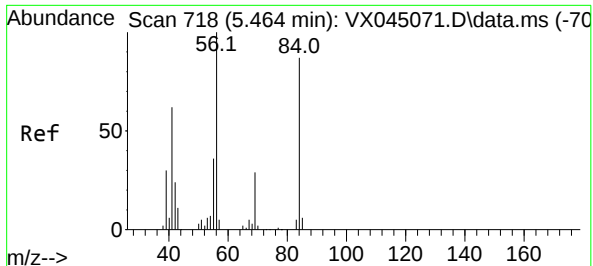
Tgt Ion: 96 Resp: 239
Ion Ratio Lower Upper
96 100
61 110.3 117.0 175.4#
98 47.6 53.4 80.2#



#27
cis-1,2-Dichloroethene
Concen: 13.674 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 96 Resp: 14319
Ion Ratio Lower Upper
96 100
61 130.3 0.0 283.2
98 63.8 0.0 128.0

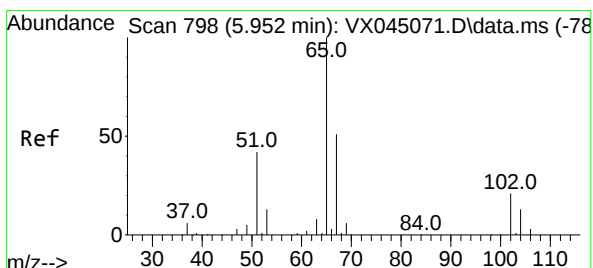
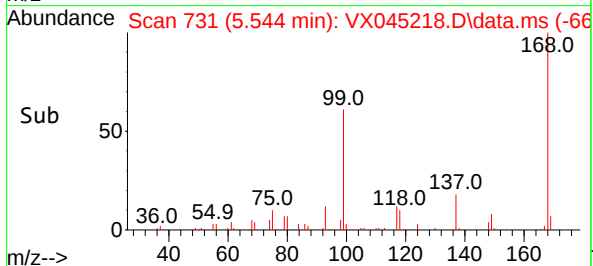
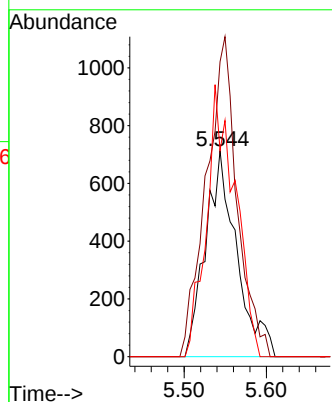
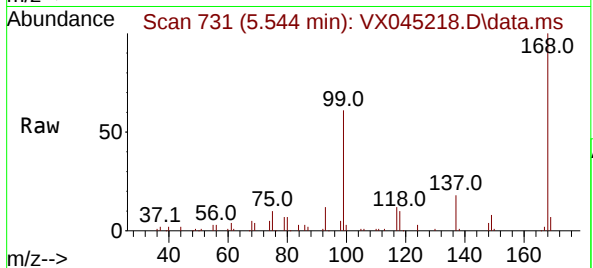




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

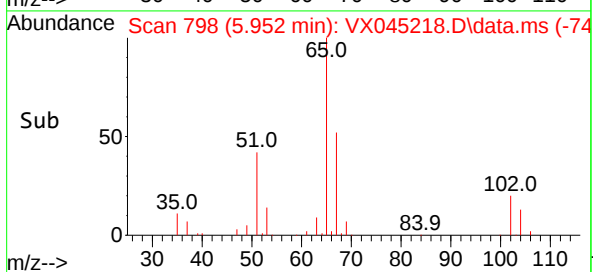
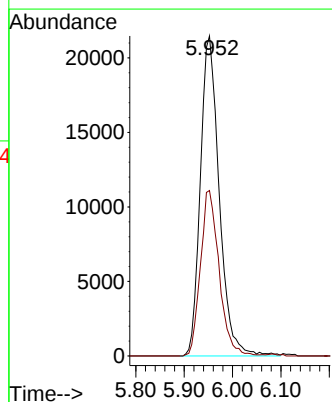
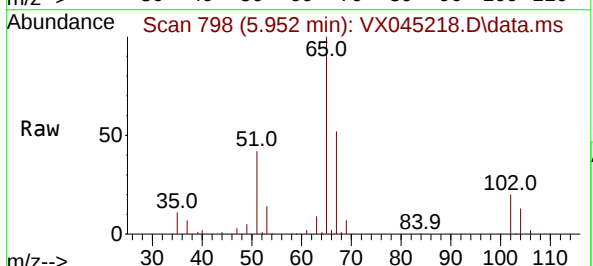
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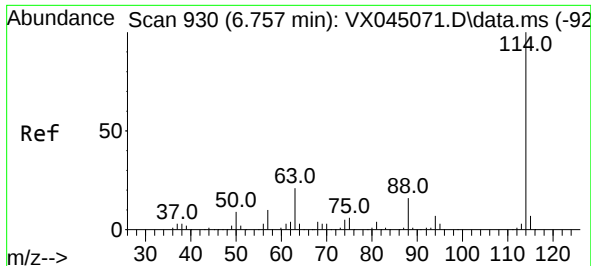
Tgt Ion: 56 Resp: 1875
Ion Ratio Lower Upper
56 100
69 143.0 23.4 35.2#
84 100.0 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.383 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 65 Resp: 58225
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2

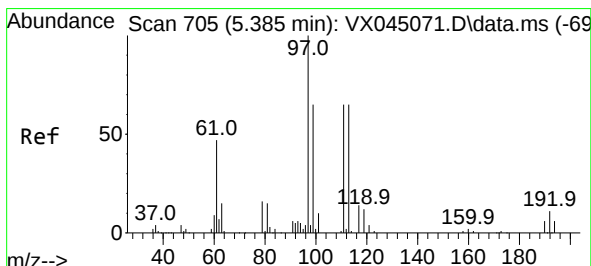
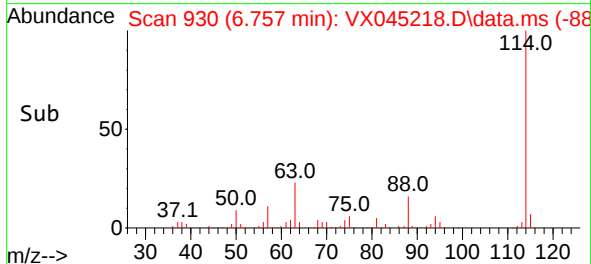
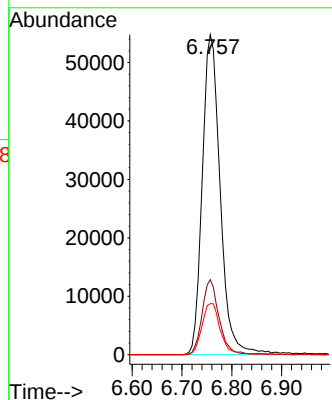
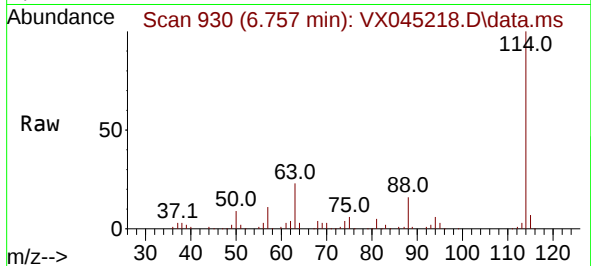




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

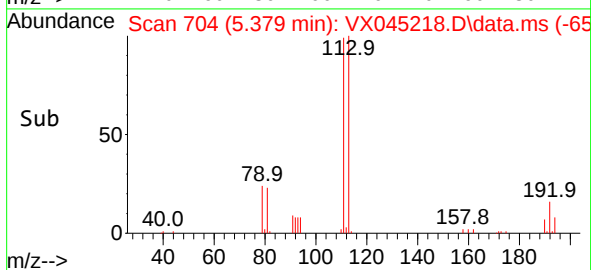
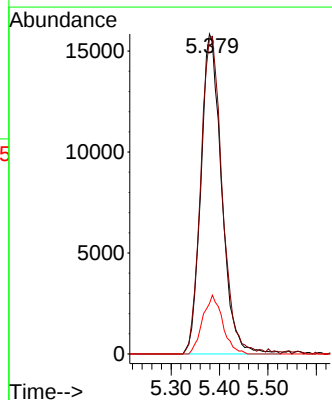
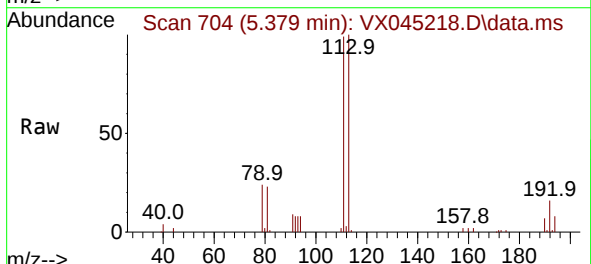
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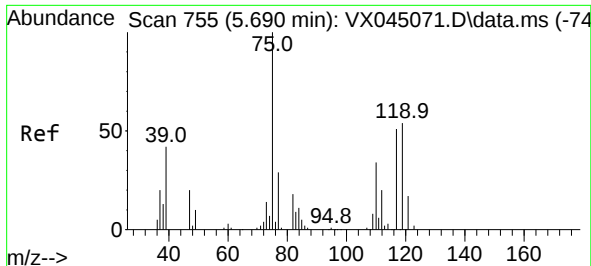
Tgt Ion:114 Resp: 136939
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.407 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion:113 Resp: 47072
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 17.7 14.3 21.5

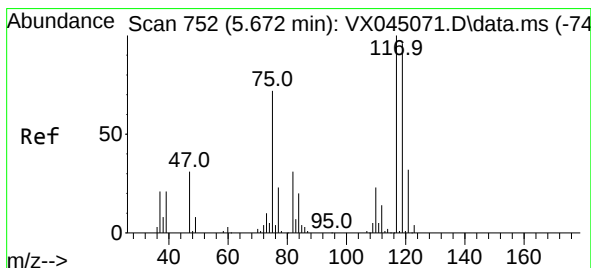
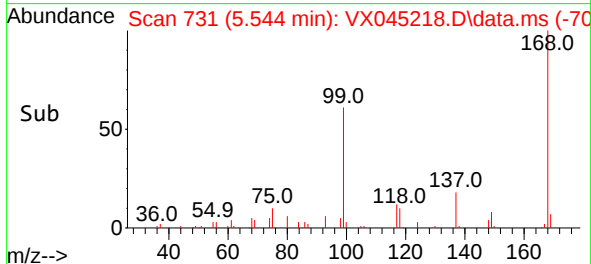
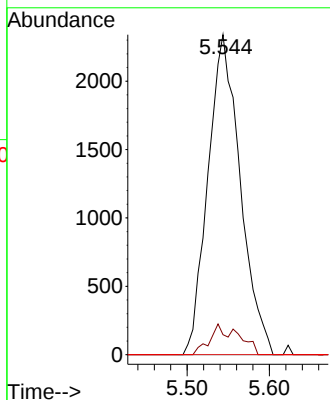
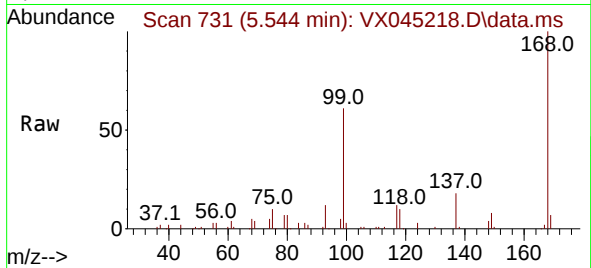




#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

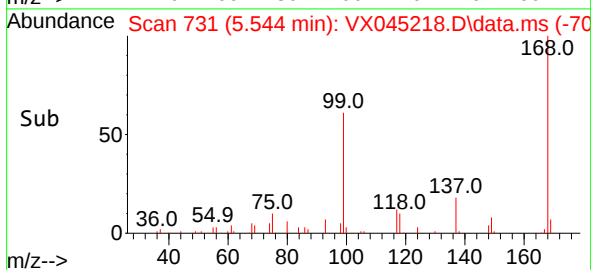
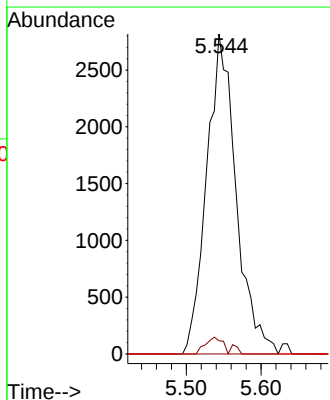
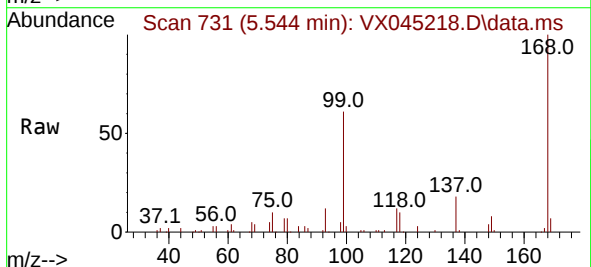
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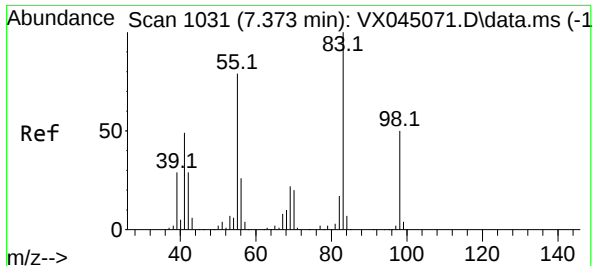
Tgt Ion: 75 Resp: 6393
Ion Ratio Lower Upper
75 100
110 4.8 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.044 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 117 Resp: 7705
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.399 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.244 min

Lab File: VX045218.D

Acq: 11 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20250305DL

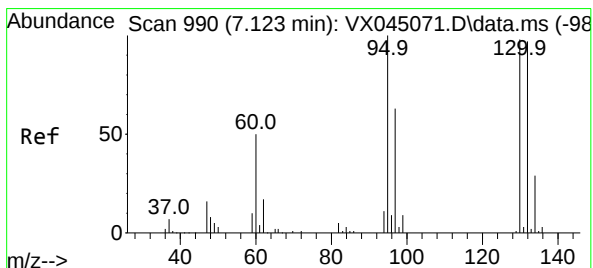
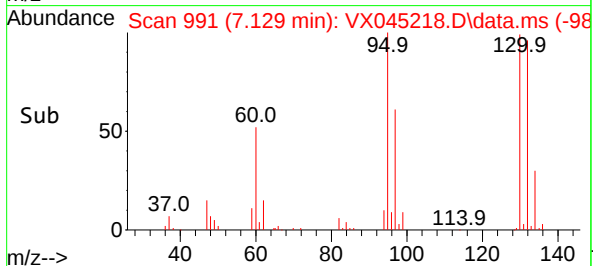
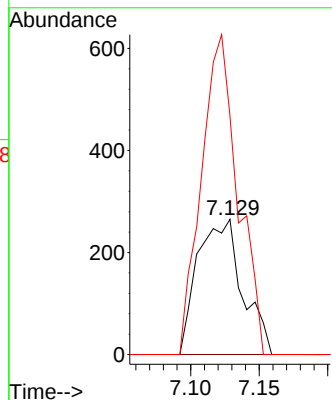
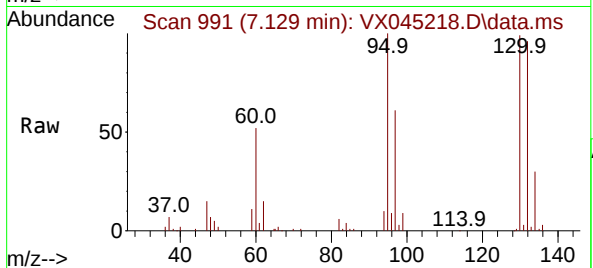
Tgt Ion: 83 Resp: 600

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 176.6 39.7 59.5#



#44

Trichloroethene

Concen: 47.421 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045218.D

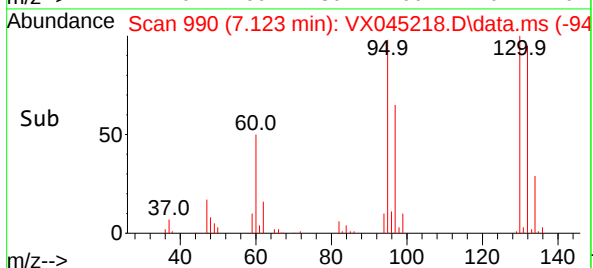
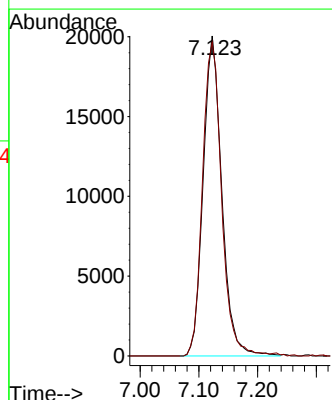
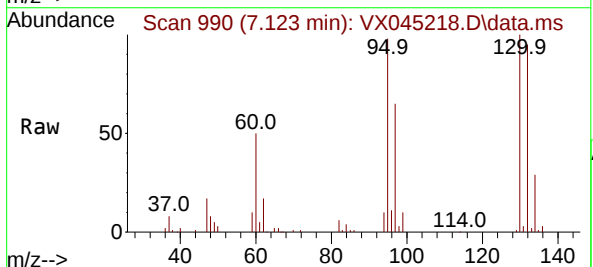
Acq: 11 Mar 2025 12:50

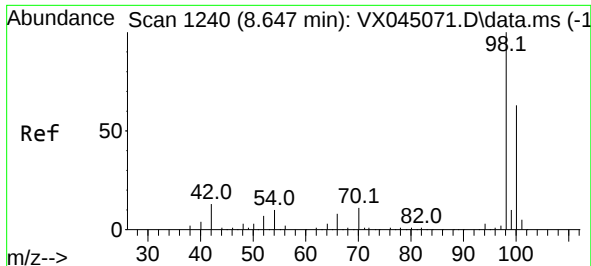
Tgt Ion:130 Resp: 44154

Ion Ratio Lower Upper

130 100

95 98.0 0.0 205.0

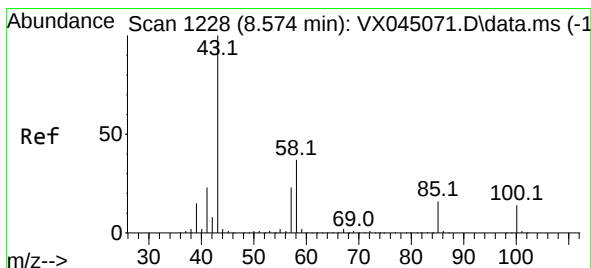
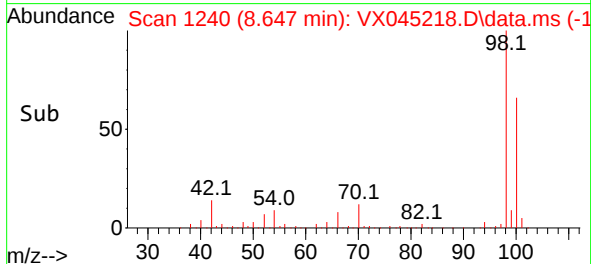
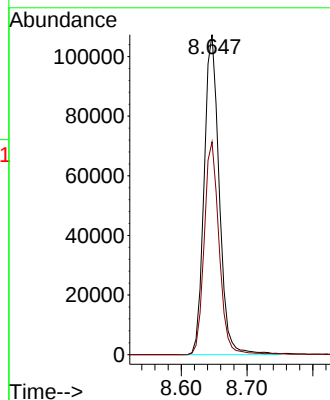
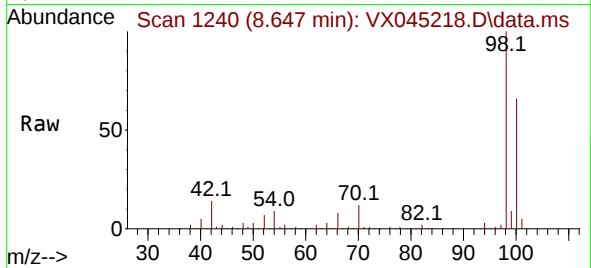




#50
Toluene-d8
Concen: 51.681 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

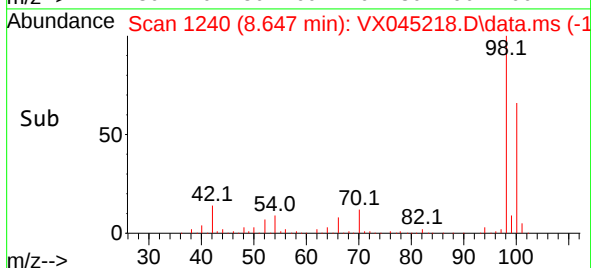
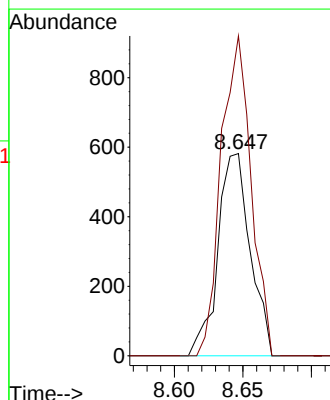
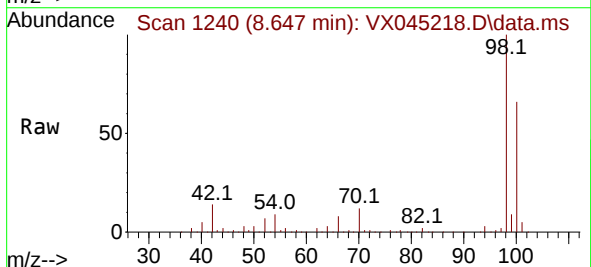
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

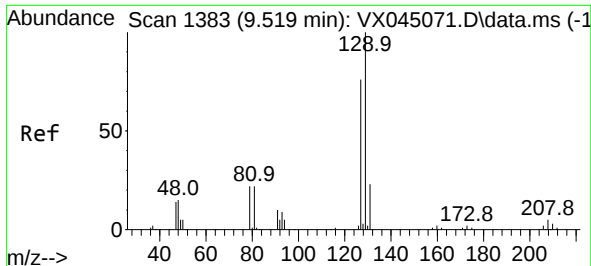
Tgt Ion: 98 Resp: 171563
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.596 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 146.3 29.2 43.8#

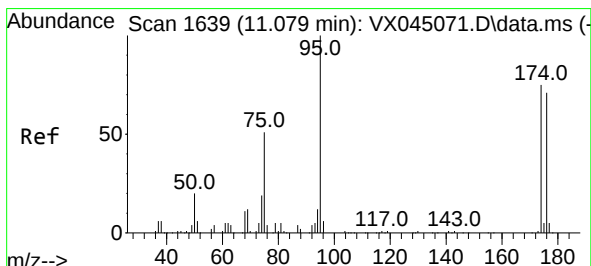
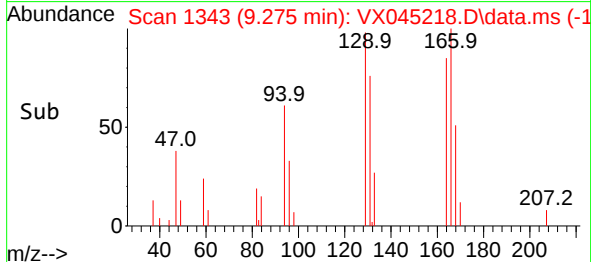
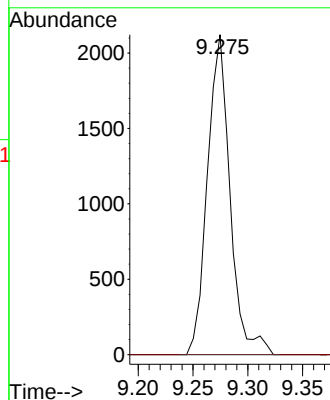
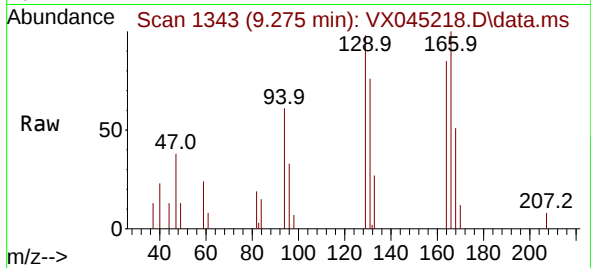




#60
Dibromochloromethane
Concen: 3.042 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

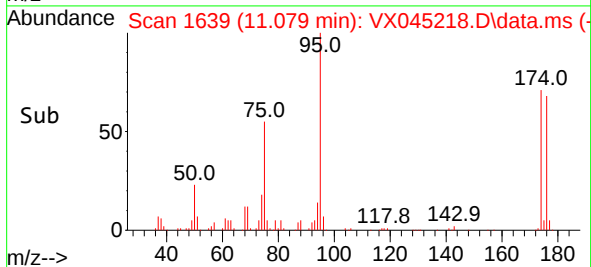
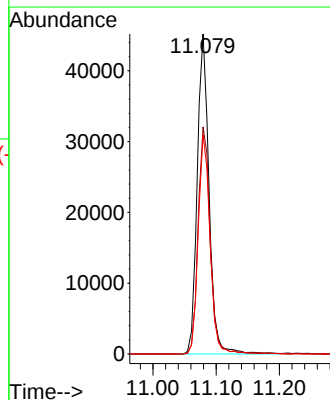
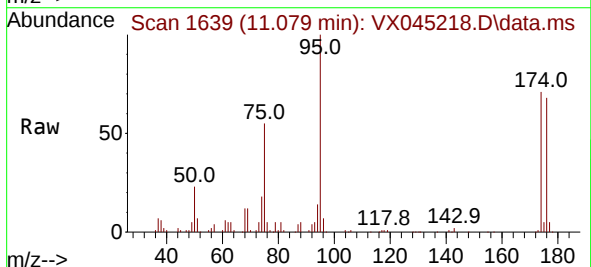
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

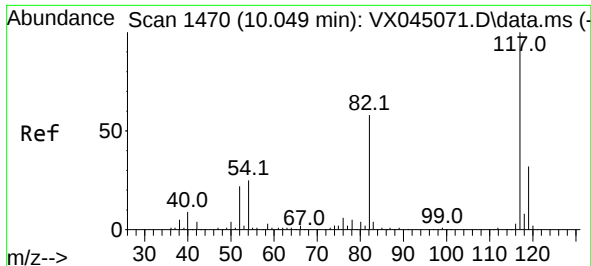
Tgt Ion:129 Resp: 3046
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.433 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 95 Resp: 58778
Ion Ratio Lower Upper
95 100
174 72.6 0.0 148.2
176 68.6 0.0 141.4

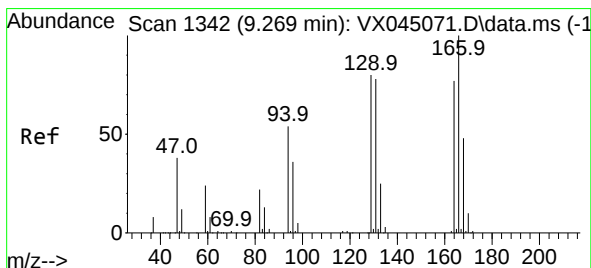
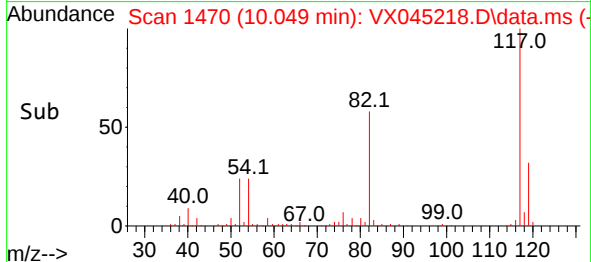
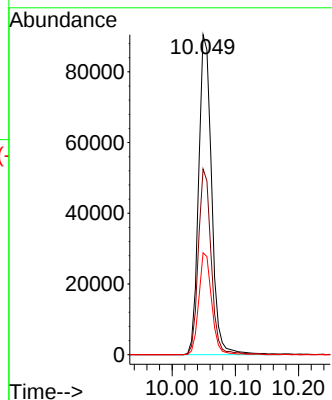
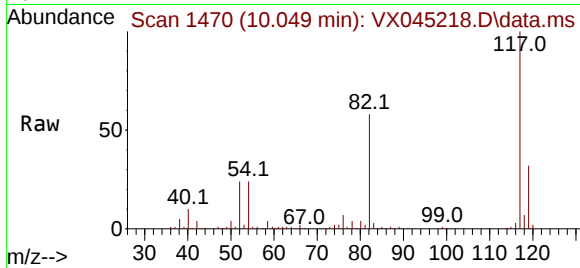




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

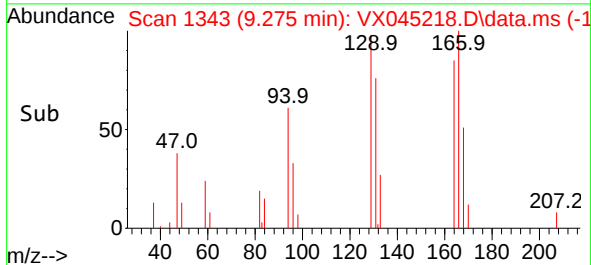
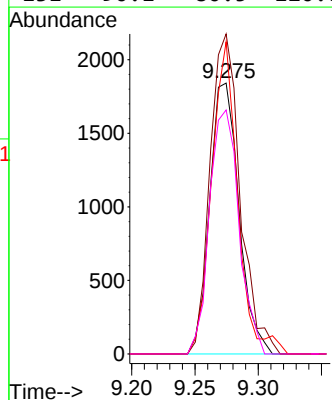
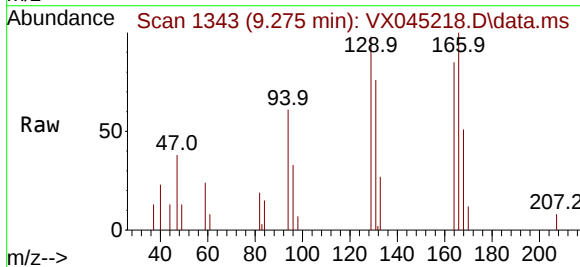
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

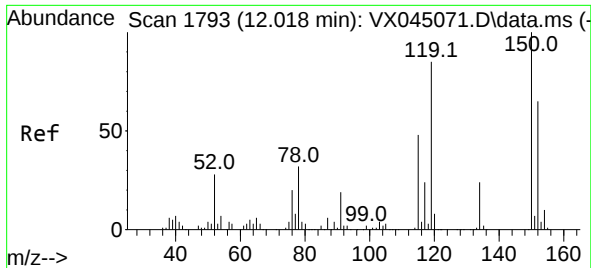
Tgt Ion:117 Resp: 129865
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 3.559 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion:164 Resp: 2960
Ion Ratio Lower Upper
164 100
166 118.1 103.6 155.4
129 115.3 82.7 124.1
131 90.1 80.5 120.7

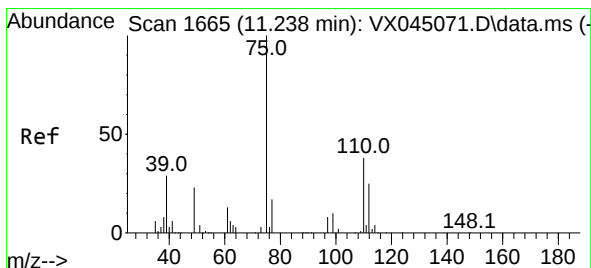
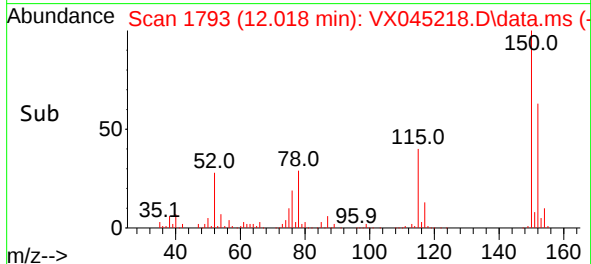
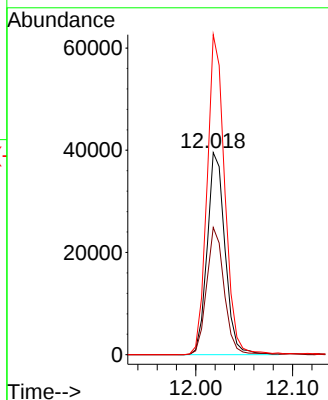
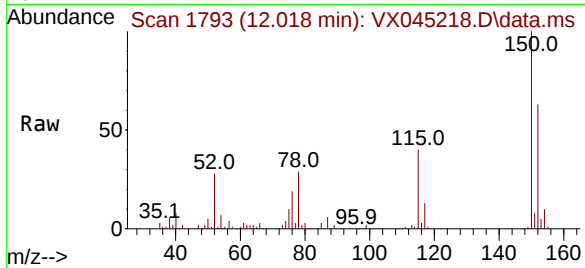




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045218.D
 Acq: 11 Mar 2025 12:50

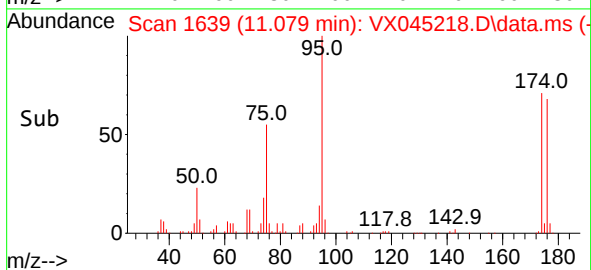
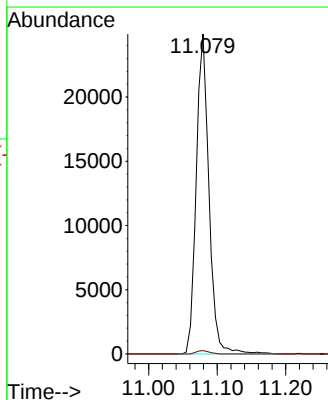
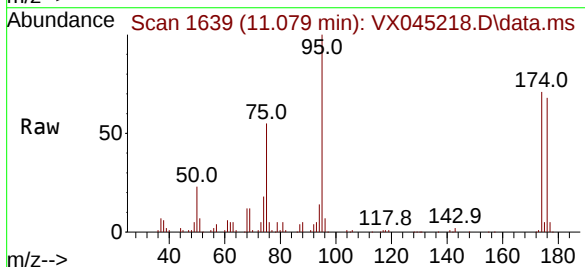
Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20250305DL

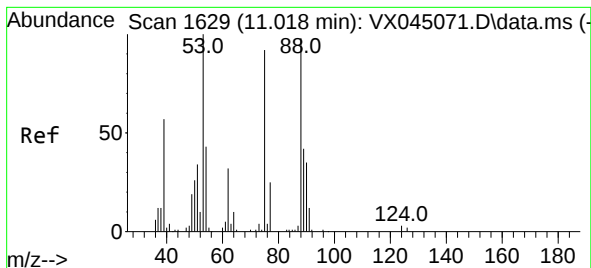
Tgt Ion:152 Resp: 50835
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.2 132.6
 150 157.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.250 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045218.D
 Acq: 11 Mar 2025 12:50

Tgt Ion: 75 Resp: 32242
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#

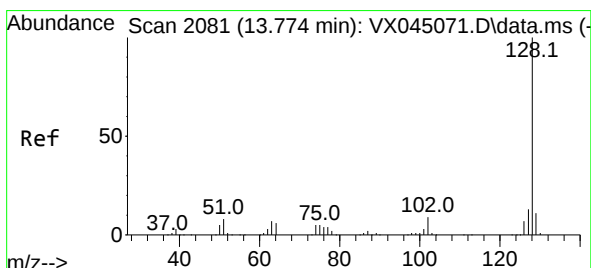
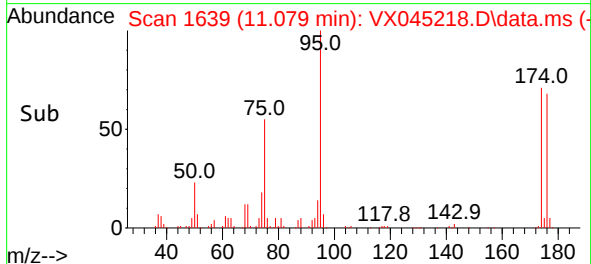
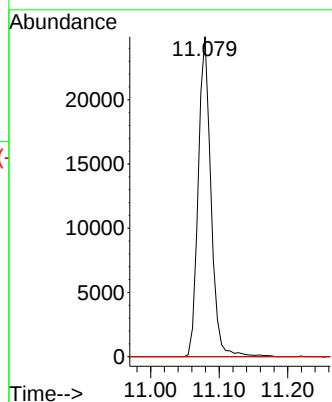
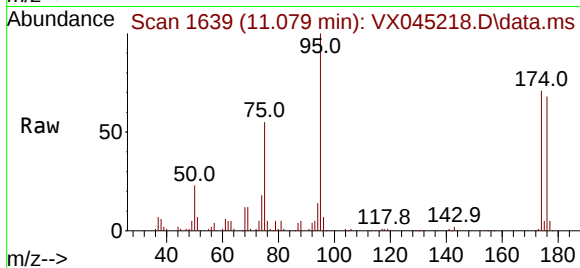




#81
trans-1,4-Dichloro-2-butene
Concen: 93.255 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion: 75 Resp: 32242
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 0.223 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 128 Resp: 819
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

