

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
 Data File : VX045574.D
 Acq On : 03 Apr 2025 16:23
 Operator : JC/MD
 Sample : Q1711-06 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-56-040225-SIM

Quant Time: Apr 04 01:24:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

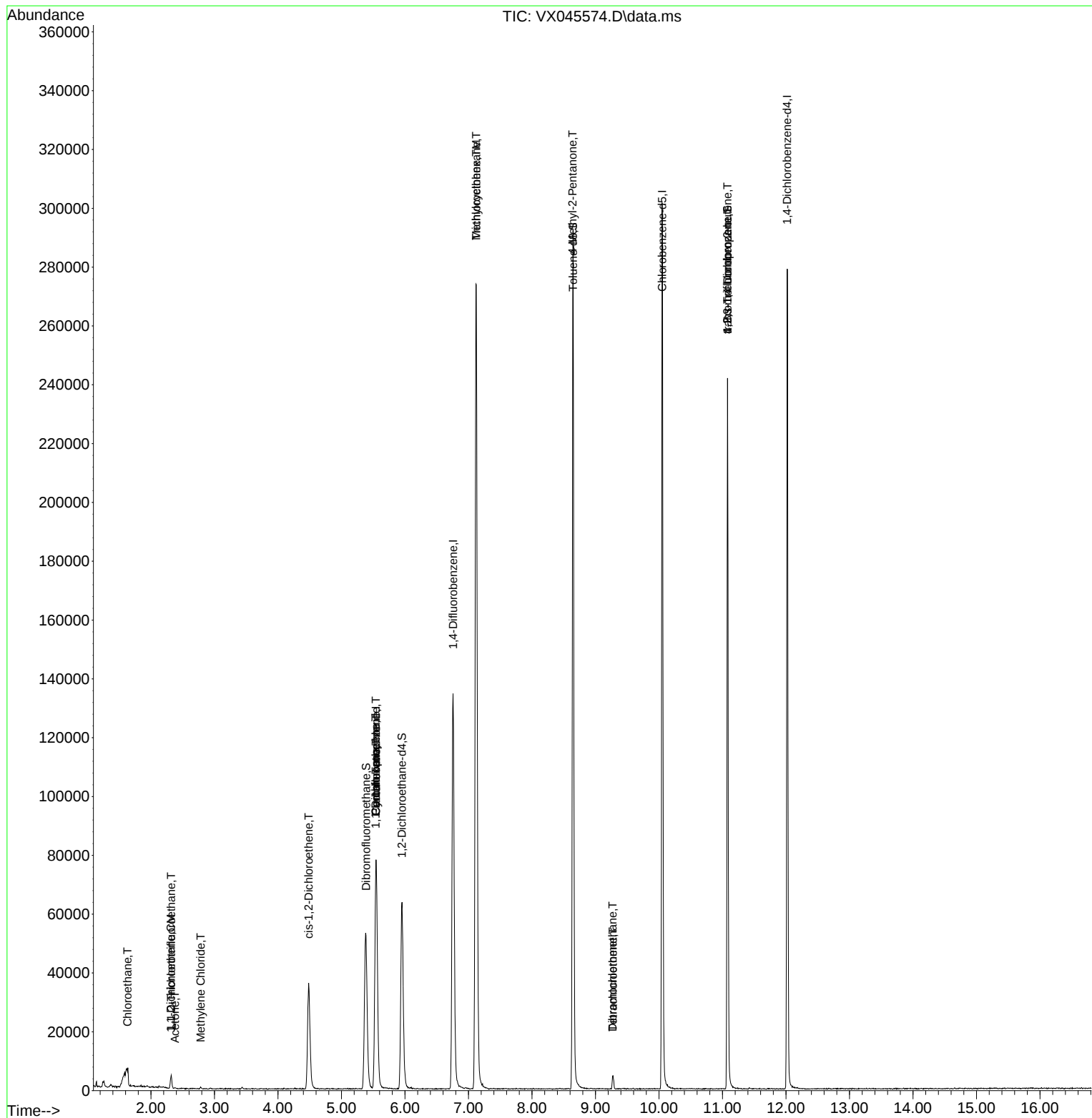
Internal Standards						
1) Pentafluorobenzene	5.544	168	66295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130082	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64522	53.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.440%	
35) Dibromofluoromethane	5.385	113	45865	49.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.380%	
50) Toluene-d8	8.647	98	163825	50.855	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	11.079	95	60476	51.539	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.080%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.630	64	134	0.271	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.319	101	1258	1.545	ug/l	95
12) 1,1-Dichloroethene	2.313	96	334	0.420	ug/l #	91
16) Acetone	2.380	43	373	0.749	ug/l #	47
20) Methylene Chloride	2.782	84	205	0.220	ug/l #	71
27) cis-1,2-Dichloroethene	4.483	96	21133	21.333	ug/l	90
31) Cyclohexane	5.544	56	2009	1.351	ug/l #	22
36) 1,1-Dichloropropene	5.538	75	6756	5.422	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7816	5.803	ug/l #	15
39) Methylcyclohexane	7.123	83	1563	1.023	ug/l #	1
44) Trichloroethene	7.123	130	101402	112.097	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	868	0.550	ug/l #	1
60) Dibromochloromethane	9.269	129	939	0.939	ug/l #	10
64) Tetrachloroethene	9.275	164	884	1.008	ug/l #	75
76) 1,2,3-Trichloropropane	11.079	75	35987	28.333	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35987	96.159	ug/l #	1

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

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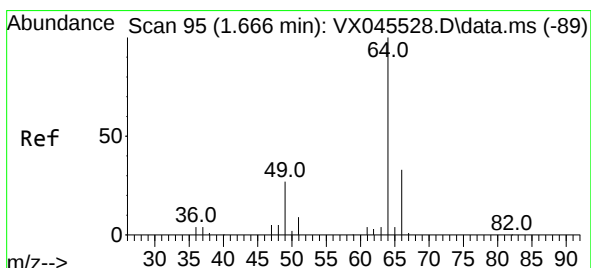
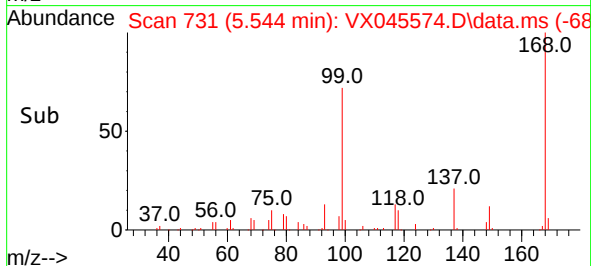
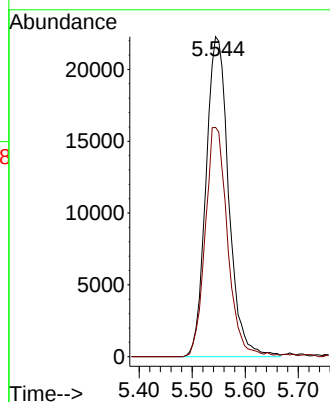
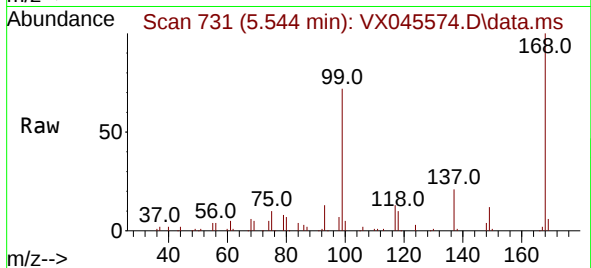




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

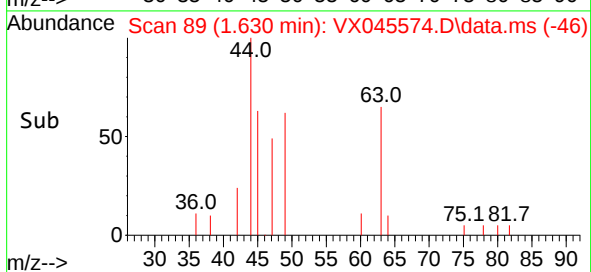
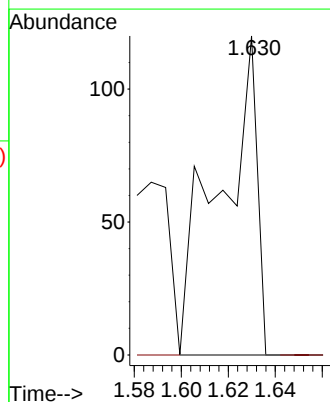
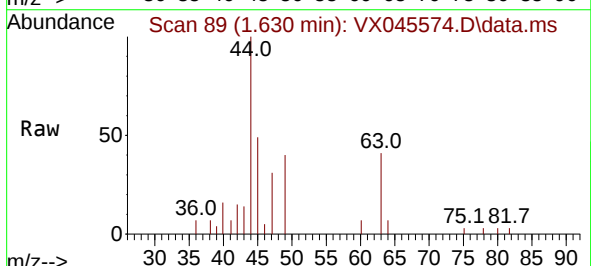
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

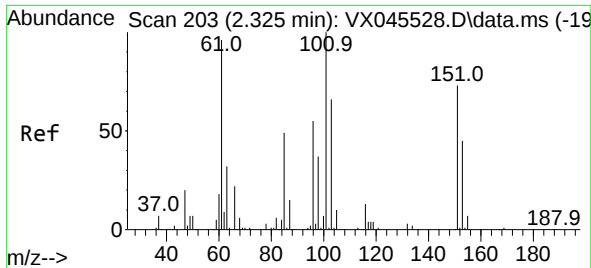
Tgt Ion:168 Resp: 66295
Ion Ratio Lower Upper
168 100
99 71.6 52.3 78.5



#6
Chloroethane
Concen: 0.271 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.036 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

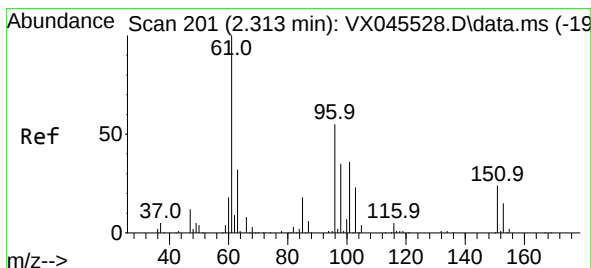
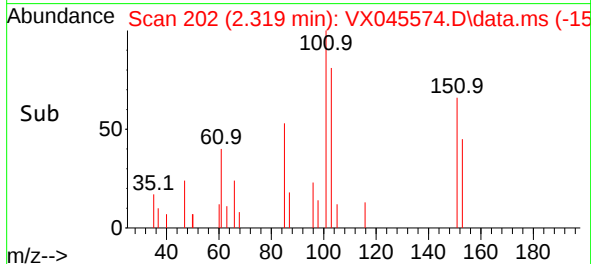
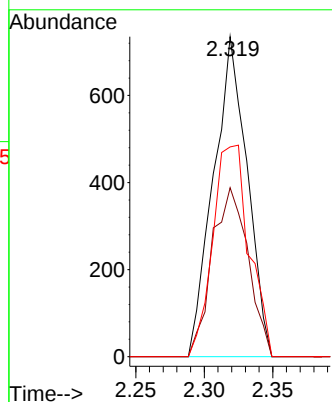
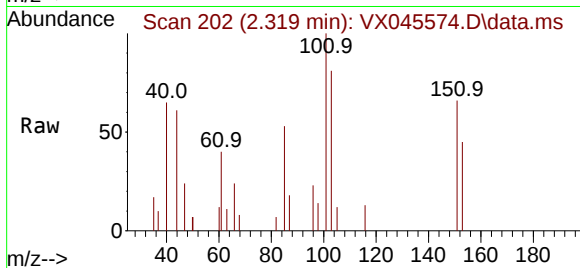




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.545 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

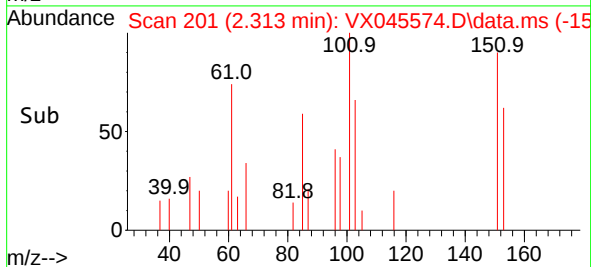
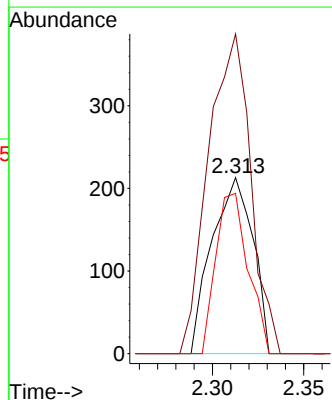
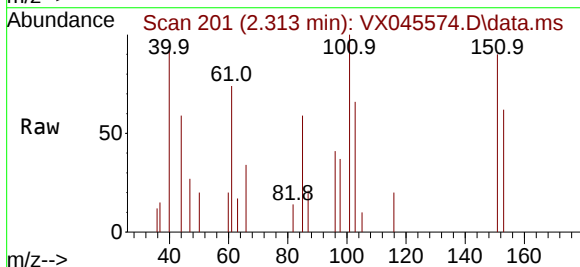
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

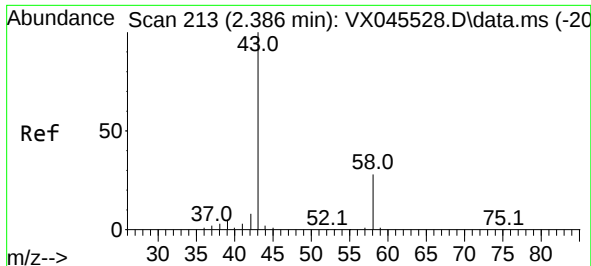
Tgt Ion:101 Resp: 1258
Ion Ratio Lower Upper
101 100
85 56.4 38.9 58.3
151 71.5 57.5 86.3



#12
1,1-Dichloroethene
Concen: 0.420 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 96 Resp: 334
Ion Ratio Lower Upper
96 100
61 181.7 145.7 218.5
98 91.1 51.6 77.4#

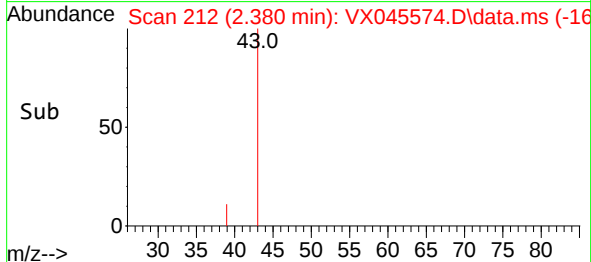
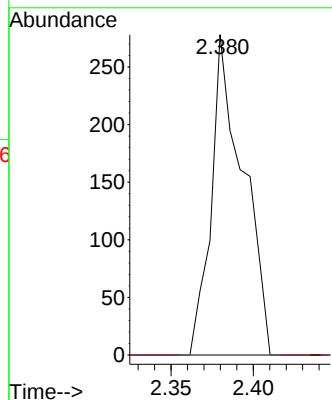
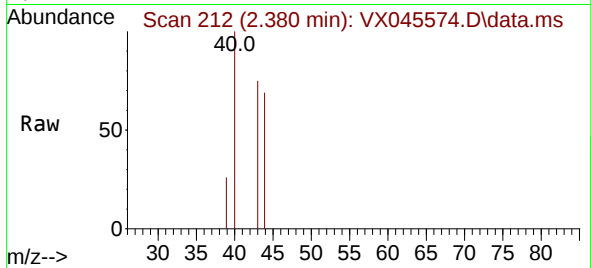




#16
Acetone
Concen: 0.749 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

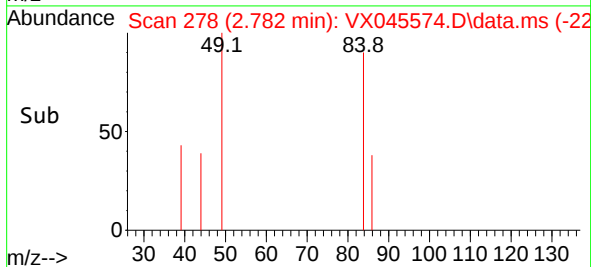
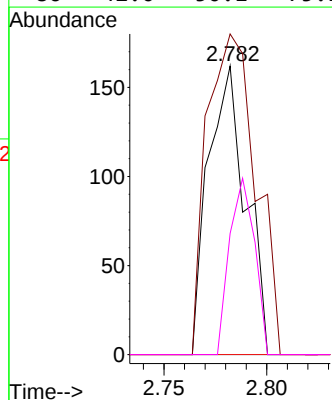
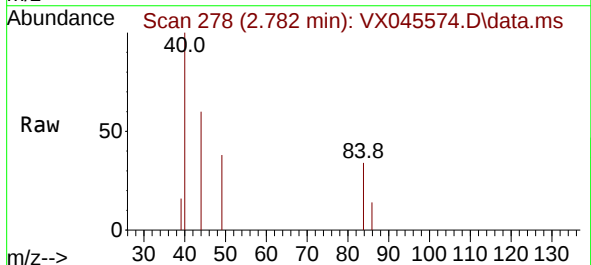
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

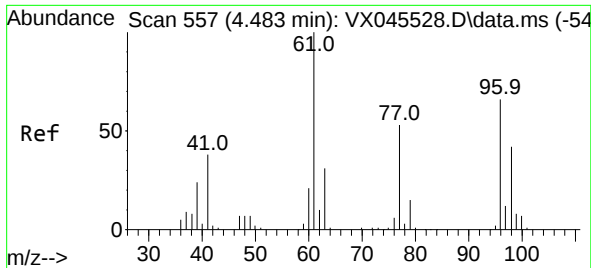
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 84 Resp: 205
Ion Ratio Lower Upper
84 100
49 111.1 107.5 161.3
51 0.0 33.0 49.6#
86 42.0 50.1 75.1#





#27

cis-1,2-Dichloroethene

Concen: 21.333 ug/l

RT: 4.483 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-56-040225-SIM

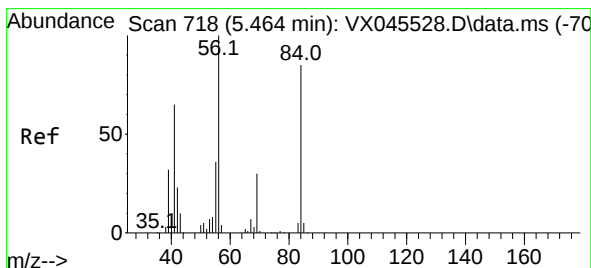
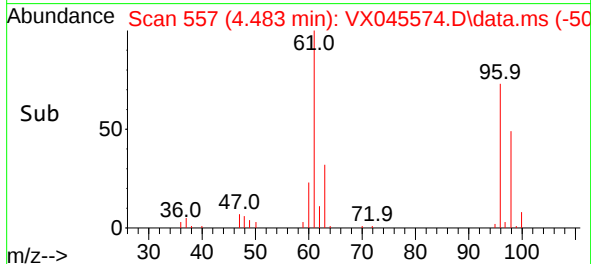
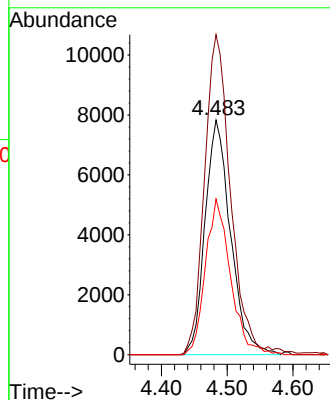
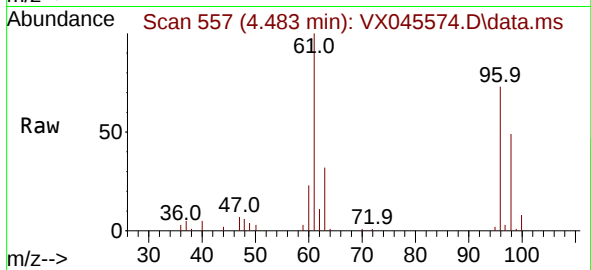
Tgt Ion: 96 Resp: 21133

Ion Ratio Lower Upper

96 100

61 139.9 0.0 313.2

98 65.3 0.0 126.4



#31

Cyclohexane

Concen: 1.351 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

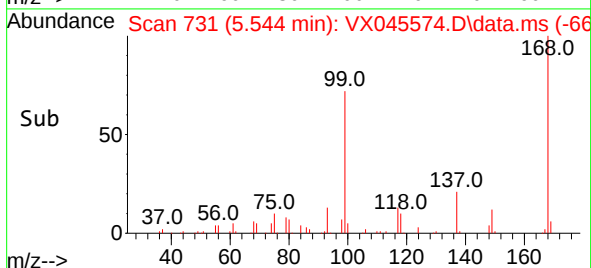
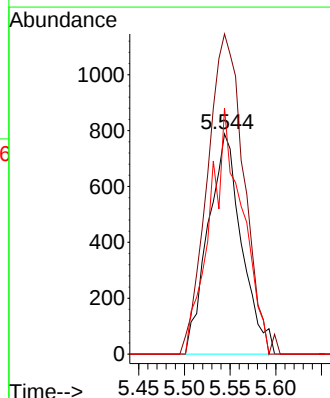
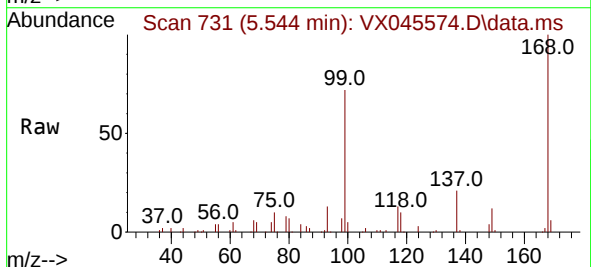
Tgt Ion: 56 Resp: 2009

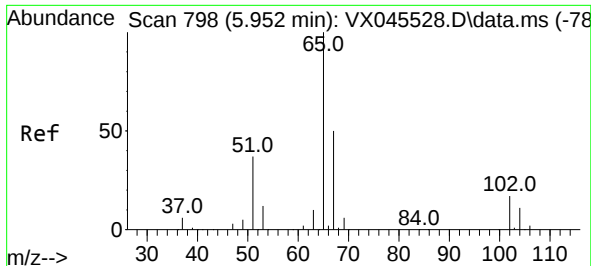
Ion Ratio Lower Upper

56 100

69 145.4 23.6 35.4#

84 111.7 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.220 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

Instrument :

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ClientSampleId :

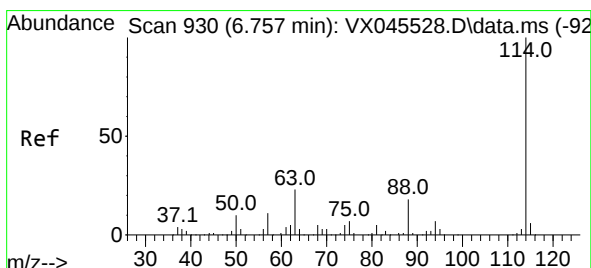
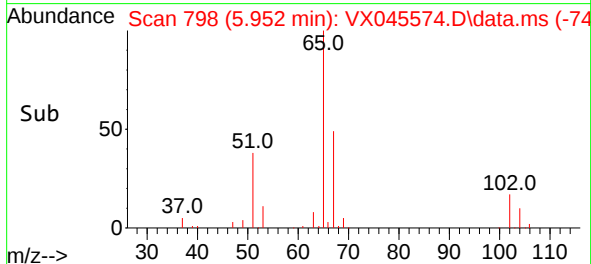
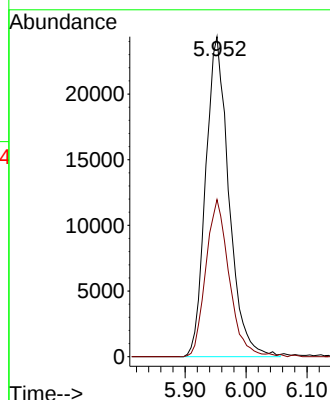
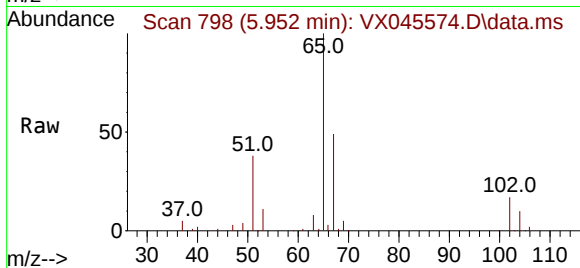
MW-17B-56-040225-SIM

Tgt Ion: 65 Resp: 64522

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

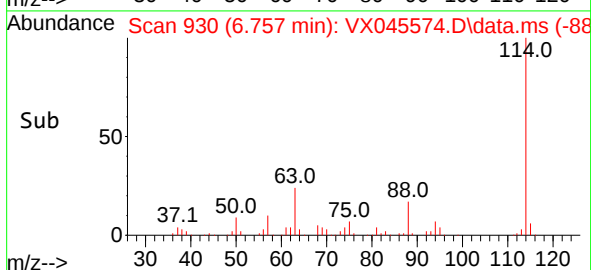
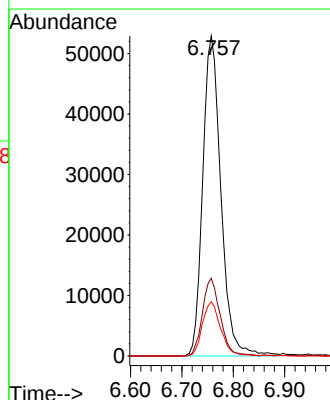
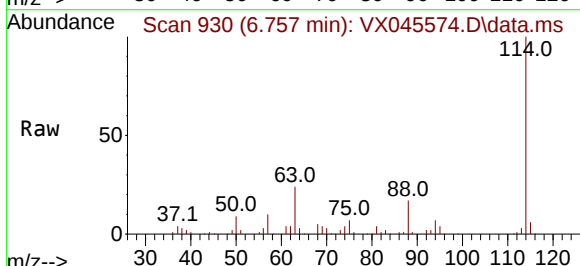
Tgt Ion: 114 Resp: 130082

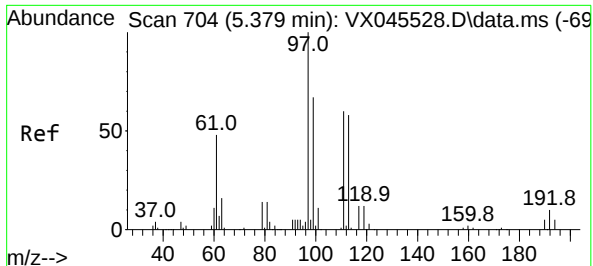
Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.8

88 16.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.695 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045574.D

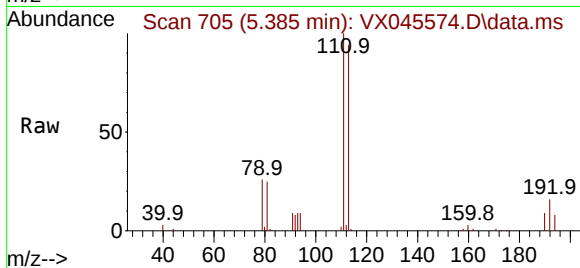
Acq: 03 Apr 2025 16:23

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-56-040225-SIM



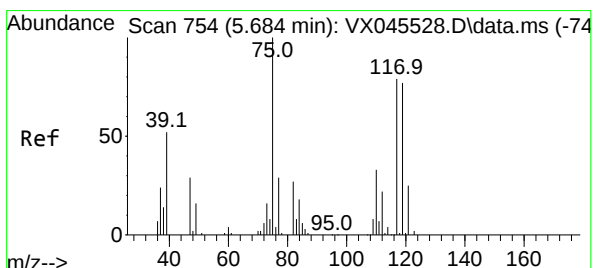
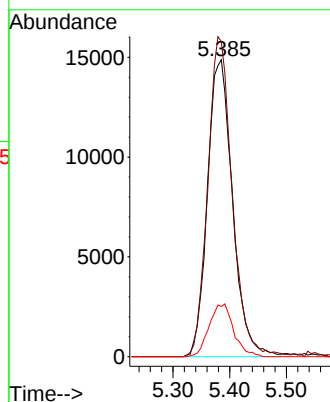
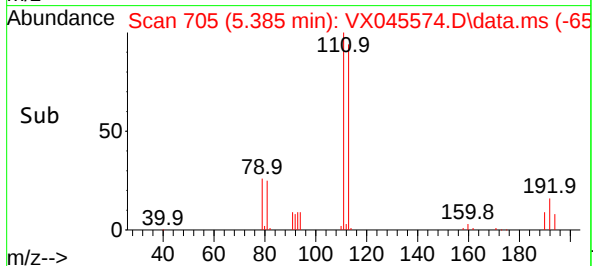
Tgt Ion:113 Resp: 45865

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.6

192 17.3 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.422 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

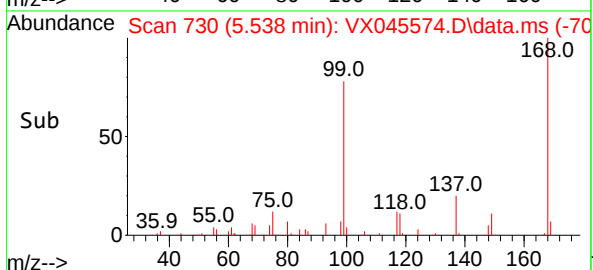
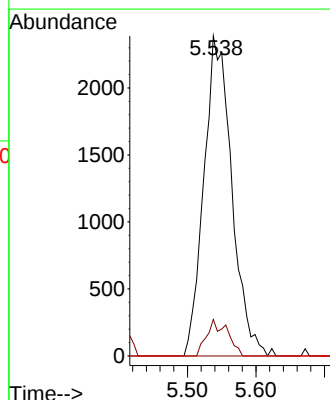
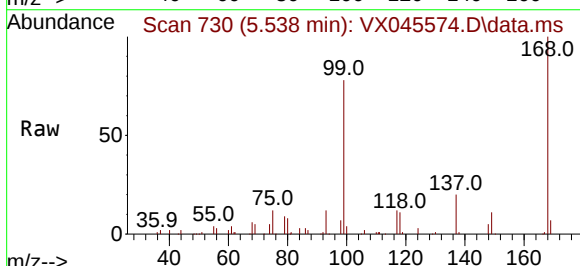
Tgt Ion: 75 Resp: 6756

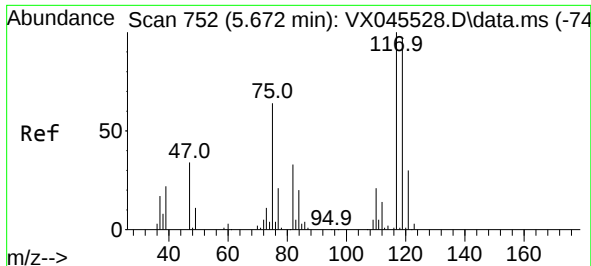
Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

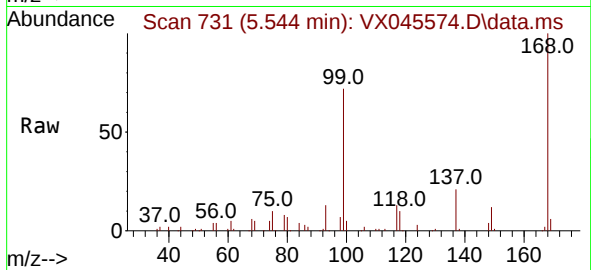
77 0.0 25.0 37.4#



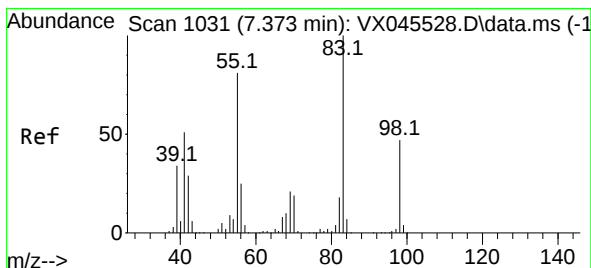
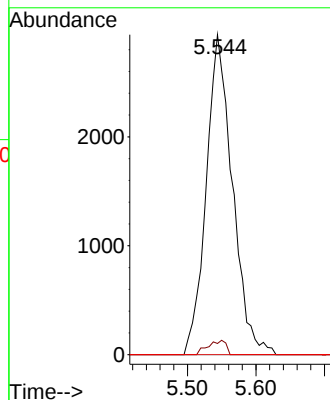
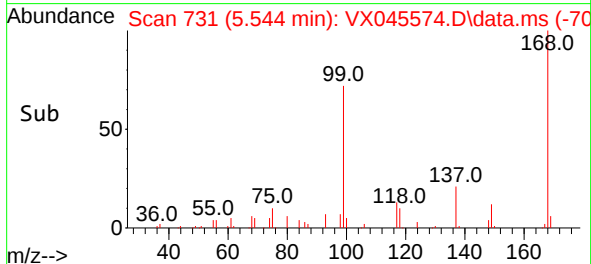


#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

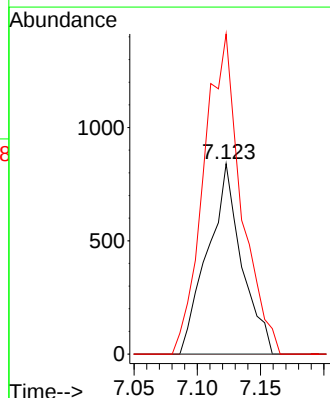
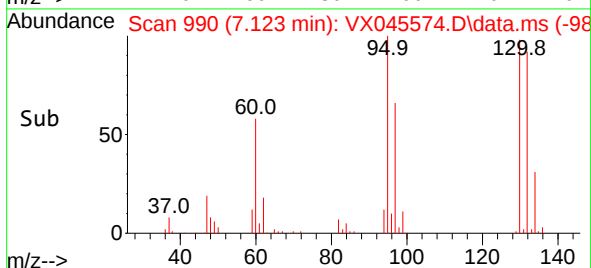
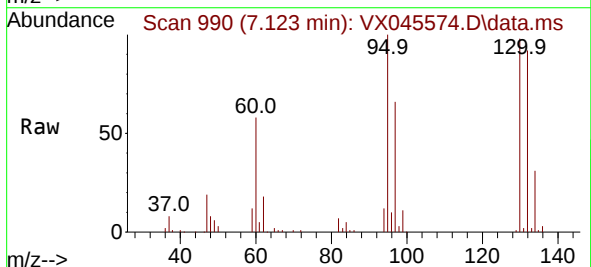


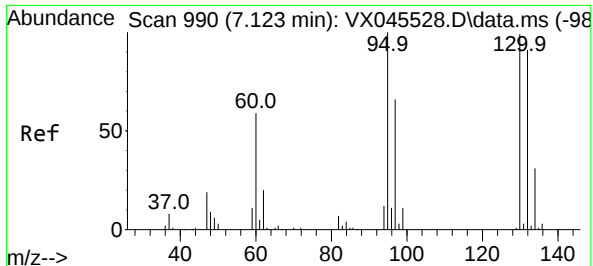
Tgt Ion:117 Resp: 7816
Ion Ratio Lower Upper
117 100
119 3.5 76.9 115.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.023 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 83 Resp: 1563
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 168.2 37.4 56.0#

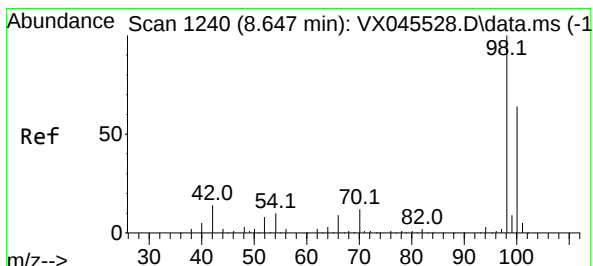
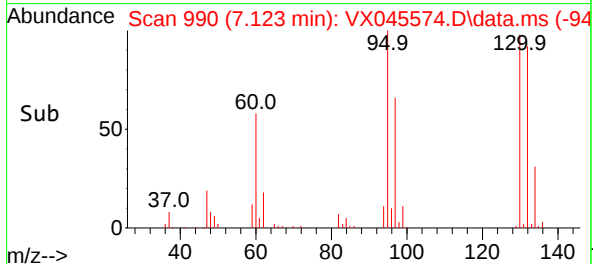
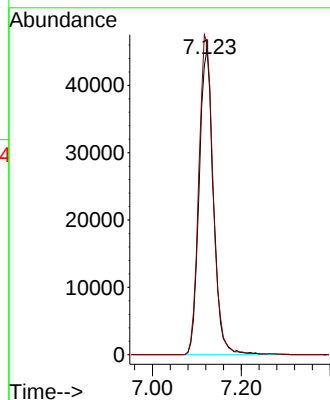
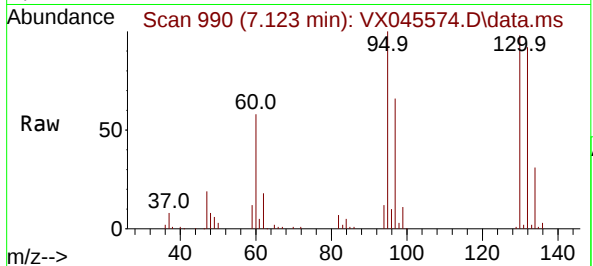




#44
Trichloroethene
Concen: 112.097 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

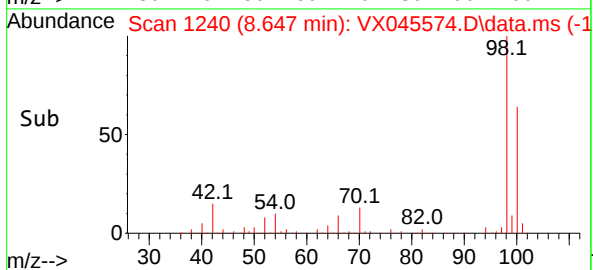
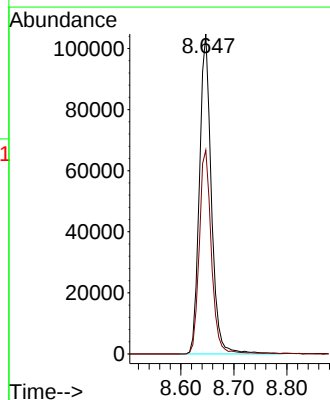
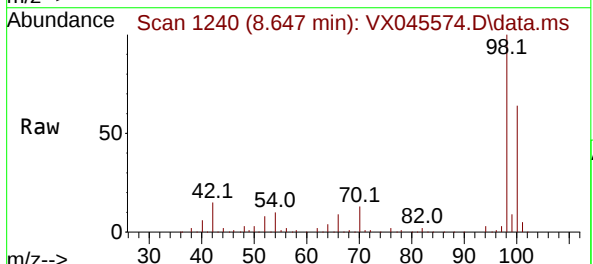
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

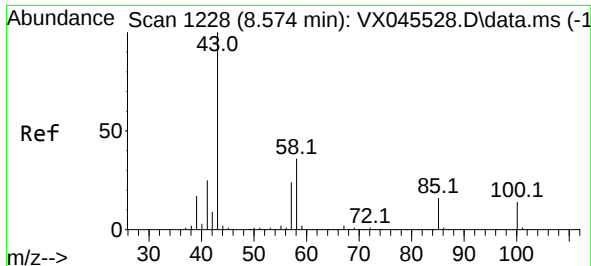
Tgt Ion:130 Resp: 101402
Ion Ratio Lower Upper
130 100
95 102.1 0.0 202.0



#50
Toluene-d8
Concen: 50.855 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 98 Resp: 163825
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

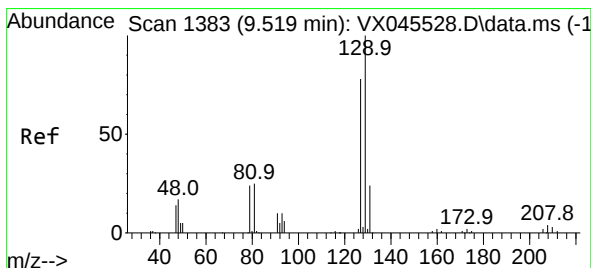
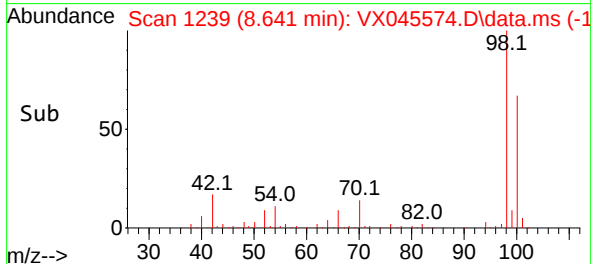
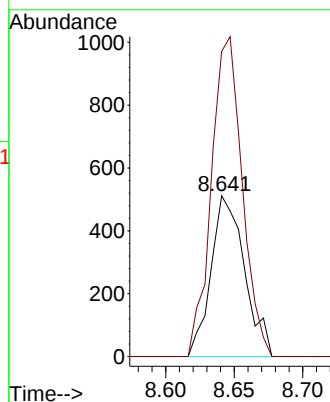
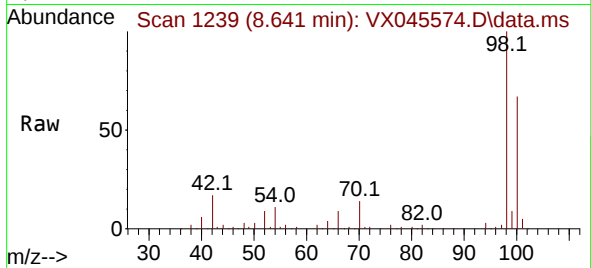




#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

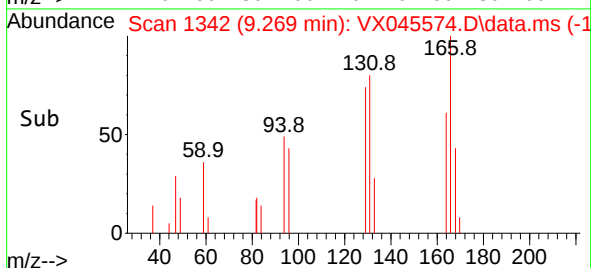
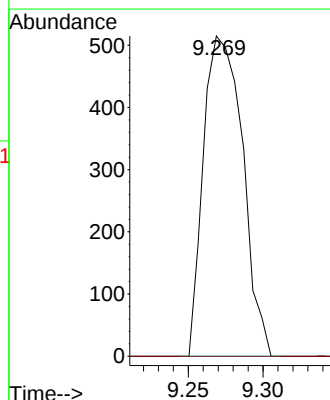
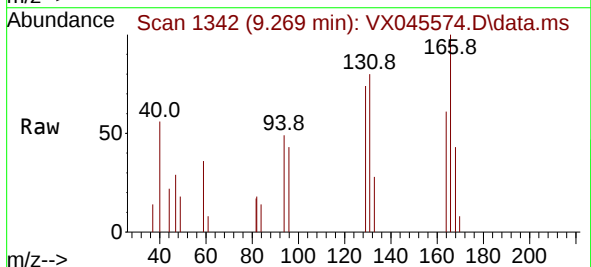
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

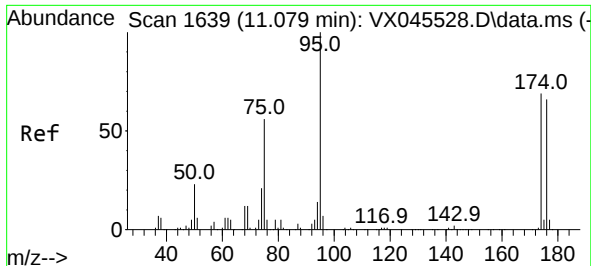
Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 183.6 28.5 42.7#



#60
Dibromochloromethane
Concen: 0.939 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 129 Resp: 939
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

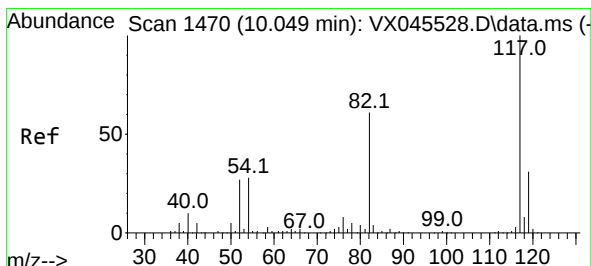
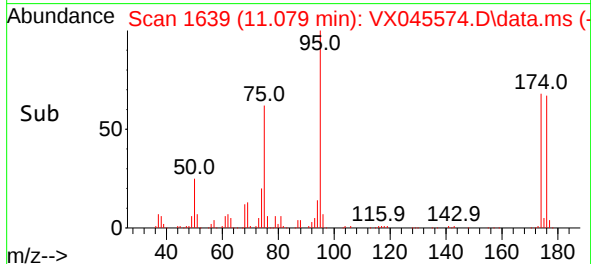
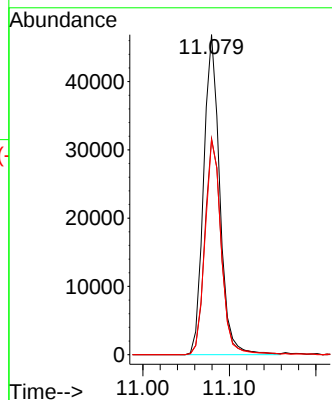
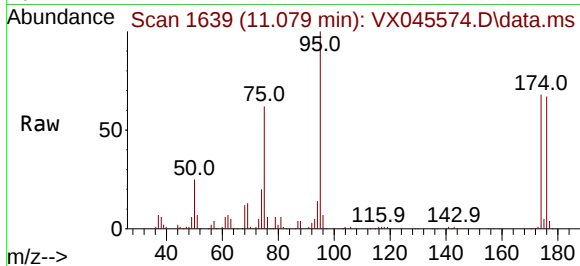




#62
4-Bromofluorobenzene
Concen: 51.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

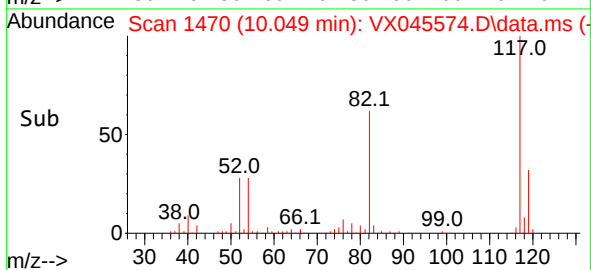
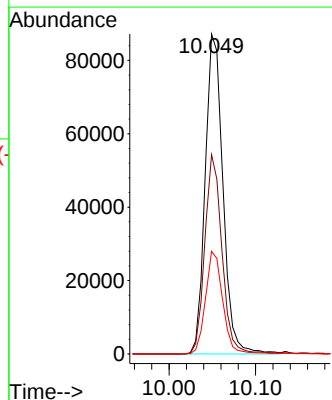
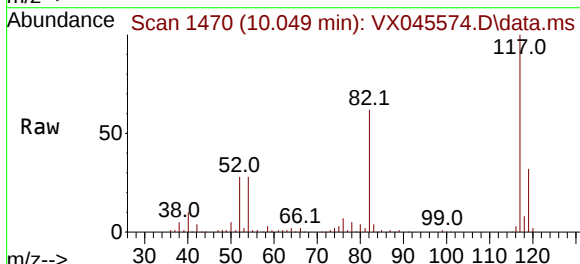
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

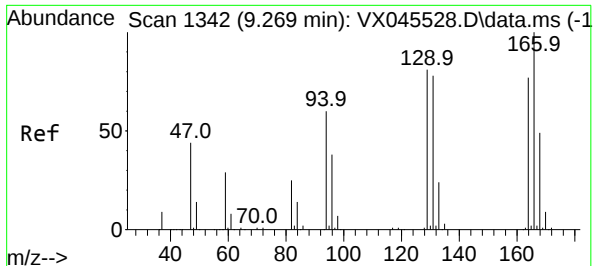
Tgt Ion: 95 Resp: 60476
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.8
176 67.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion: 117 Resp: 124205
Ion Ratio Lower Upper
117 100
82 62.3 49.2 73.8
119 32.1 25.1 37.7

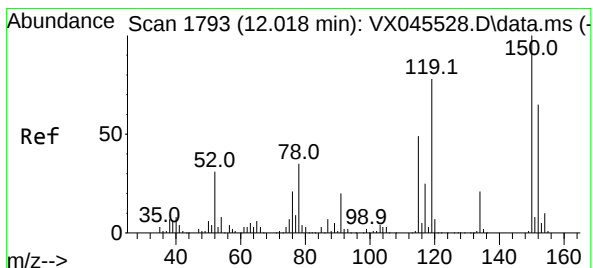
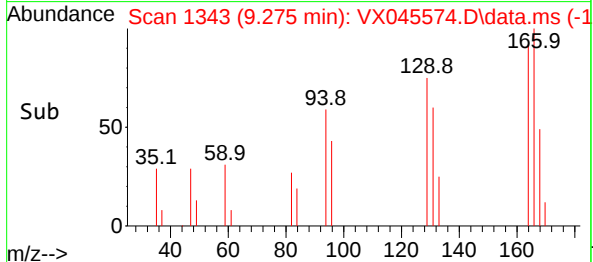
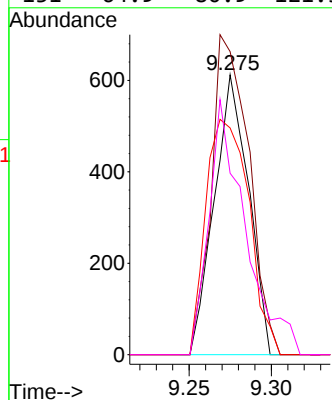
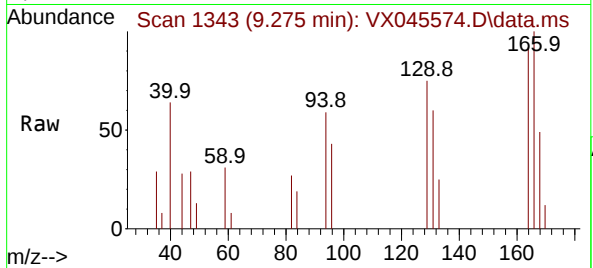




#64
Tetrachloroethene
Concen: 1.008 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

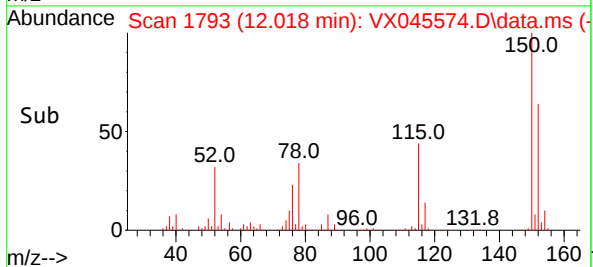
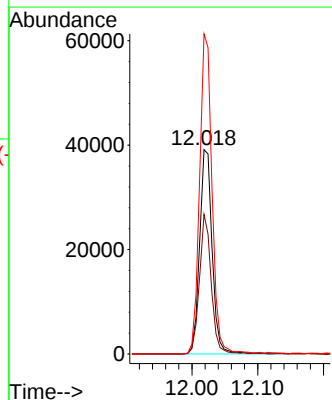
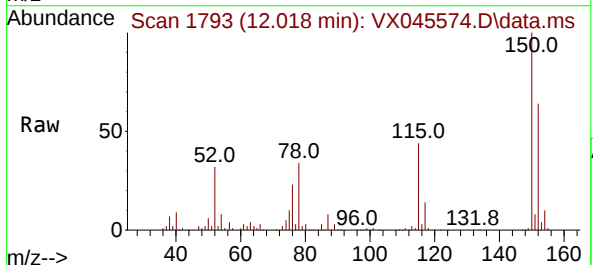
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-56-040225-SIM

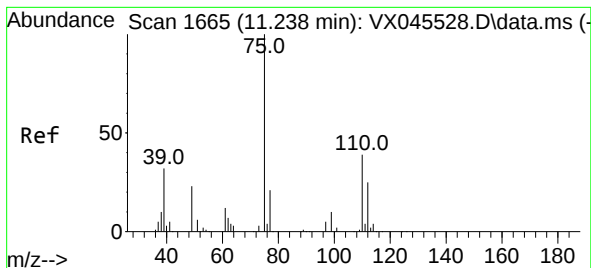
Tgt Ion:164 Resp: 884
Ion Ratio Lower Upper
164 100
166 108.3 103.8 155.8
129 81.0 84.3 126.5#
131 64.9 80.9 121.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045574.D
Acq: 03 Apr 2025 16:23

Tgt Ion:152 Resp: 52071
Ion Ratio Lower Upper
152 100
115 63.9 46.9 140.7
150 154.7 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.333 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

Instrument :

MSVOA_X

ClientSampleId :

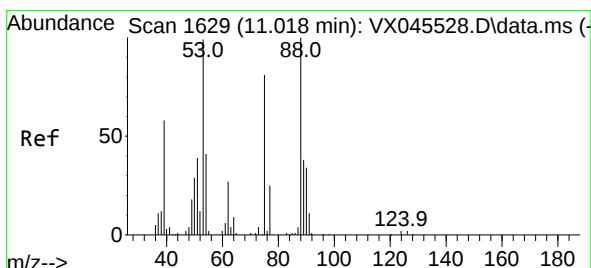
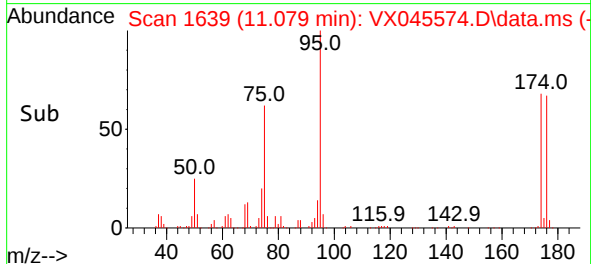
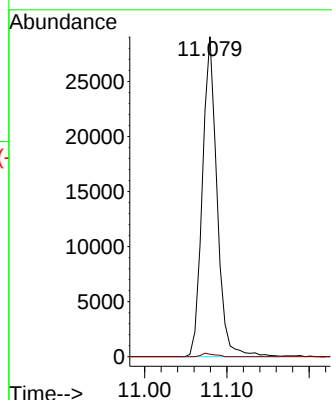
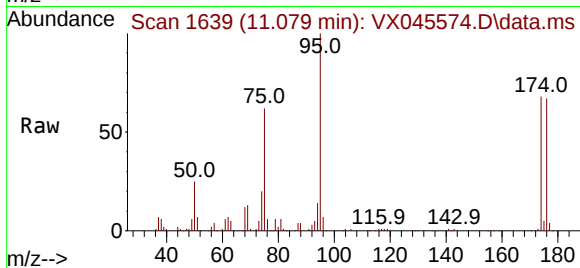
MW-17B-56-040225-SIM

Tgt Ion: 75 Resp: 35987

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.159 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045574.D

Acq: 03 Apr 2025 16:23

Tgt Ion: 75 Resp: 35987

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

