

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040325\
 Data File : VX045575.D
 Acq On : 03 Apr 2025 16:47
 Operator : JC/MD
 Sample : Q1711-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-040225

Quant Time: Apr 04 01:25:19 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)

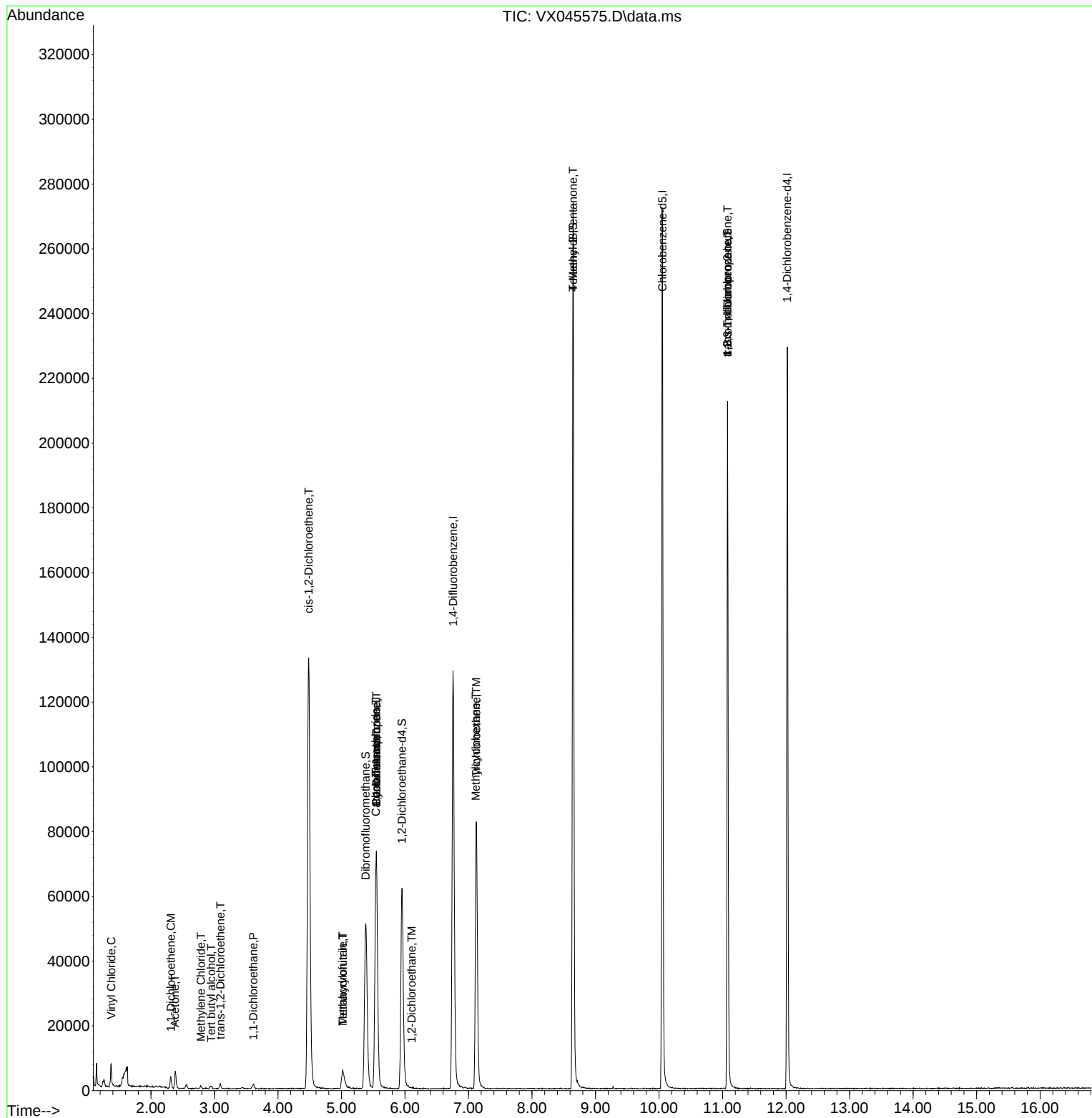
Internal Standards						
1) Pentafluorobenzene	5.550	168	64116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62586	53.378	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	5.379	113	44291	51.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	8.647	98	153765	51.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.079	95	53724	49.144	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.280%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	4299	4.769	ug/l	96
11) Tert butyl alcohol	2.946	59	406	2.577	ug/l #	72
12) 1,1-Dichloroethene	2.312	96	997	1.295	ug/l	88
16) Acetone	2.379	43	5722	11.885	ug/l	95
20) Methylene Chloride	2.788	84	317	0.352	ug/l #	72
21) trans-1,2-Dichloroethene	3.093	96	620	0.788	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	1874	1.152	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	81070	84.620	ug/l	90
29) Tetrahydrofuran	5.019	42	5635	12.332	ug/l	96
31) Cyclohexane	5.550	56	1930	1.342	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	6308	5.433	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7305	5.822	ug/l #	16
39) Methylcyclohexane	7.116	83	454	0.319	ug/l #	1
41) Methacrylonitrile	5.019	41	3656	4.736	ug/l #	52
42) 1,2-Dichloroethane	6.104	62	322	0.220	ug/l #	78
44) Trichloroethene	7.122	130	30963	36.740	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	862	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31268	29.272	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31268	99.345	ug/l #	1

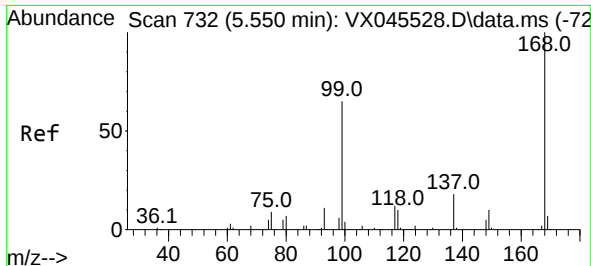
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 04 01:25:19 2025
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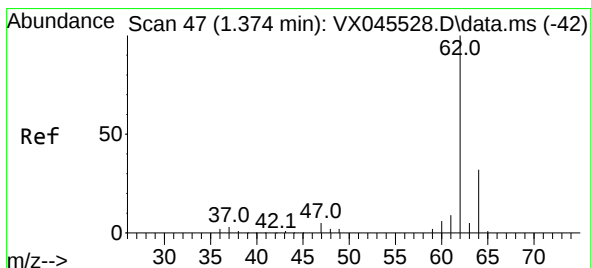
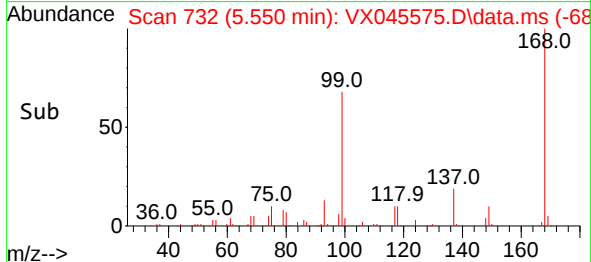
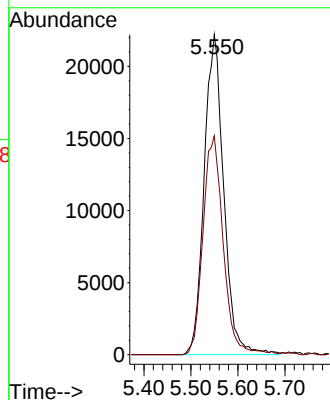
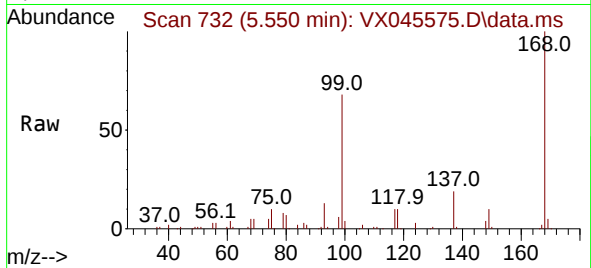




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

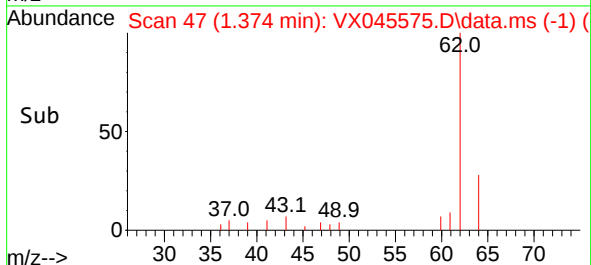
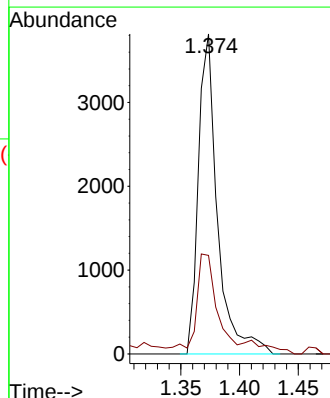
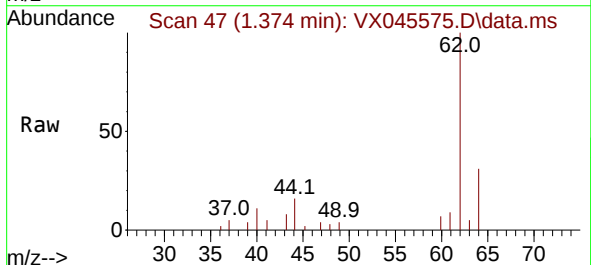
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

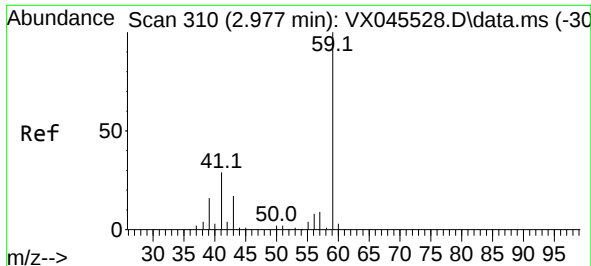
Tgt Ion:168 Resp: 64116
Ion Ratio Lower Upper
168 100
99 68.4 52.3 78.5



#4
Vinyl Chloride
Concen: 4.769 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 62 Resp: 4299
Ion Ratio Lower Upper
62 100
64 29.4 25.5 38.3

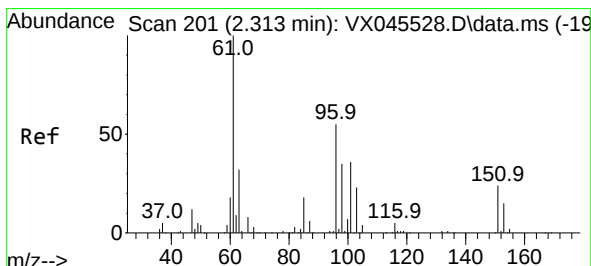
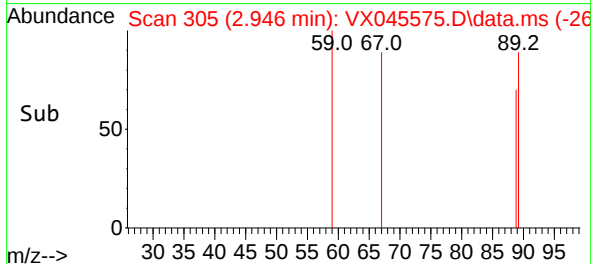
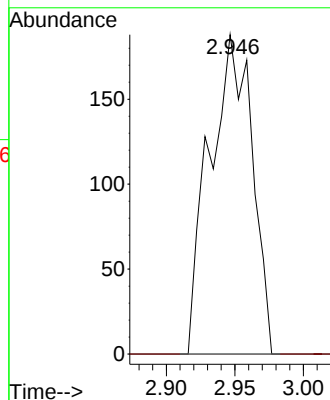
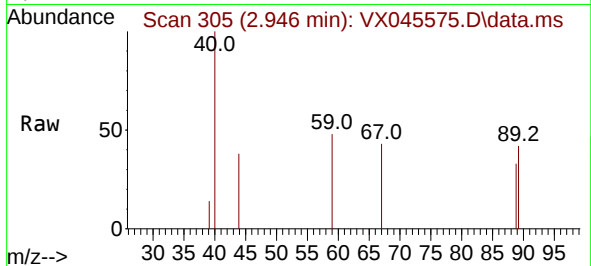




#11
Tert butyl alcohol
Concen: 2.577 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.031 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

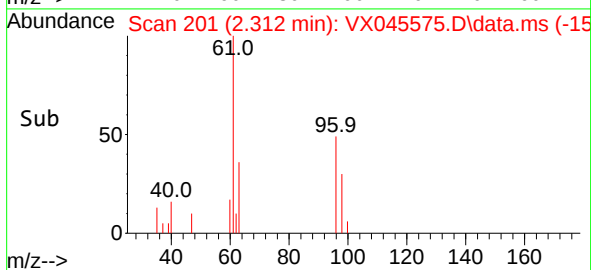
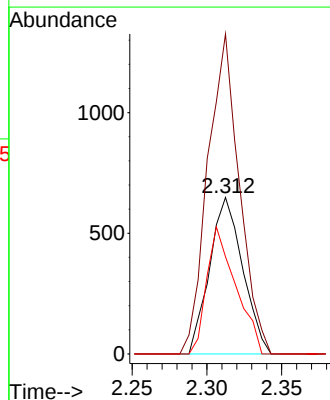
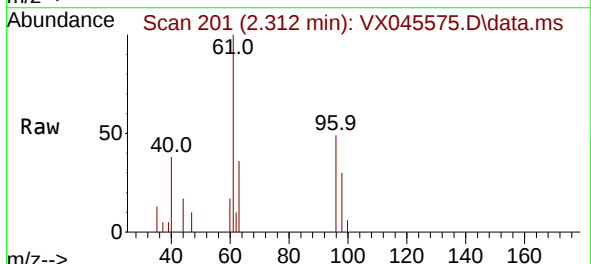
Instrument :
MSVOA_X
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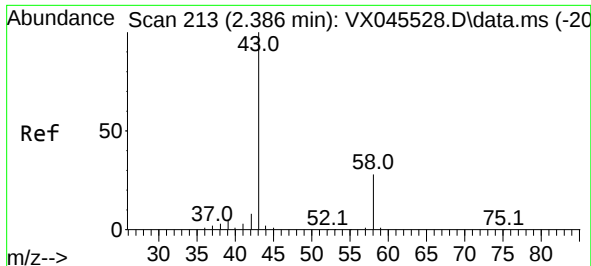
Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 1.295 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 96 Resp: 997
Ion Ratio Lower Upper
96 100
61 204.6 145.7 218.5
98 62.2 51.6 77.4

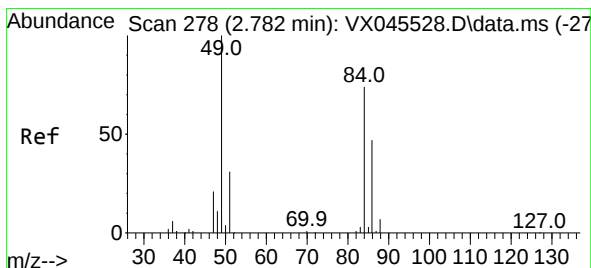
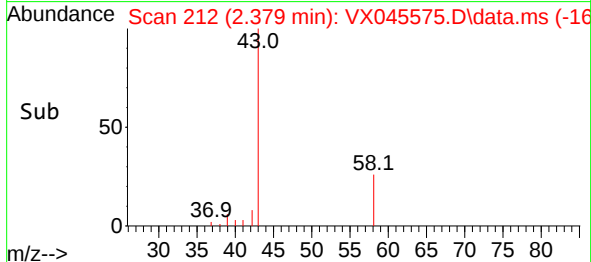
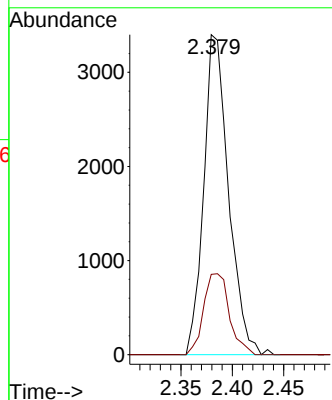
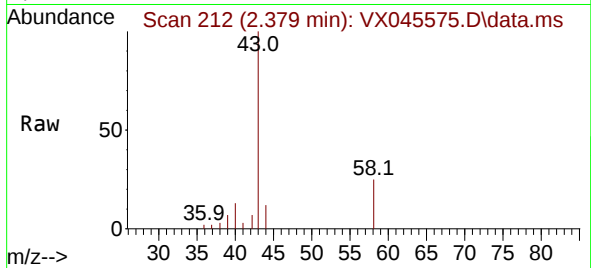




#16
Acetone
Concen: 11.885 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

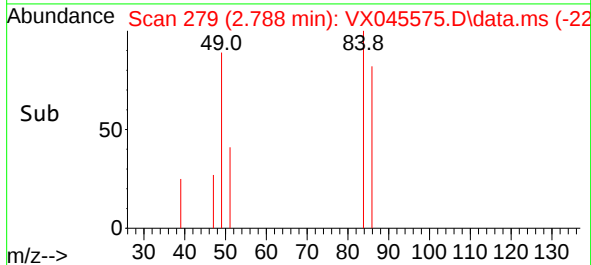
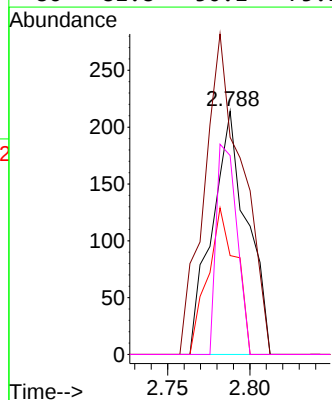
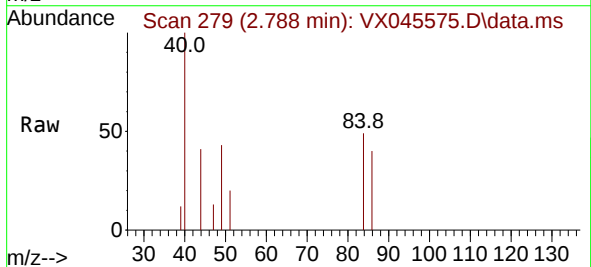
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

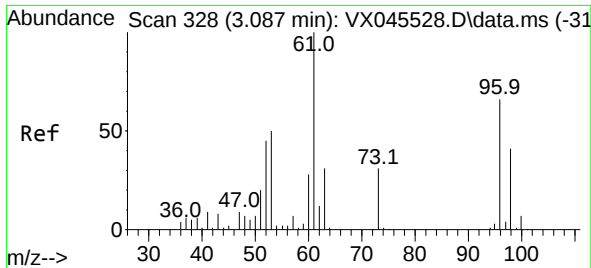
Tgt Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
58 25.1 22.3 33.5



#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 84 Resp: 317
Ion Ratio Lower Upper
84 100
49 89.3 107.5 161.3#
51 40.7 33.0 49.6
86 81.8 50.1 75.1#

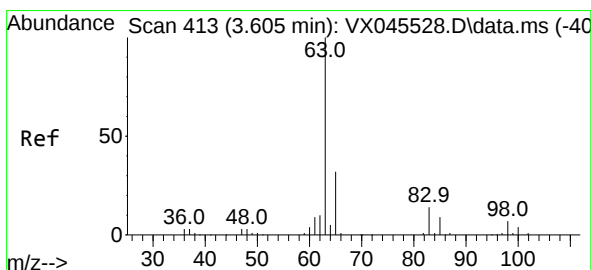
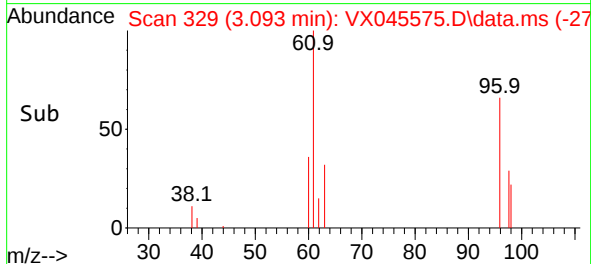
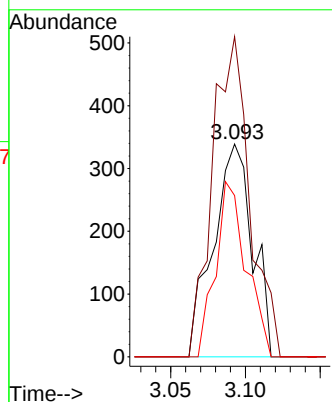
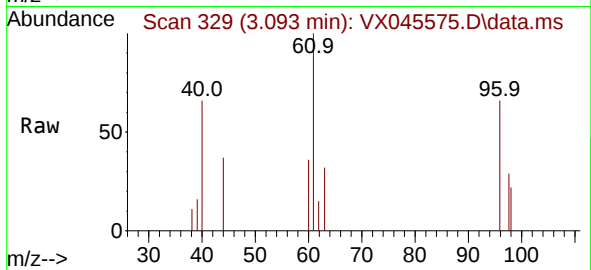




#21
trans-1,2-Dichloroethene
Concen: 0.788 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

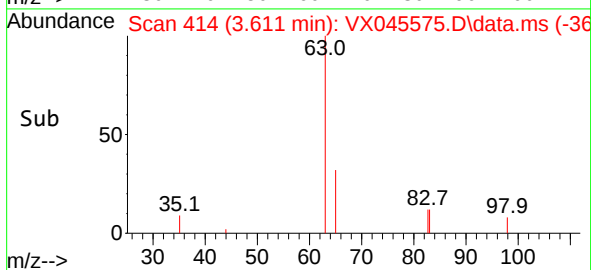
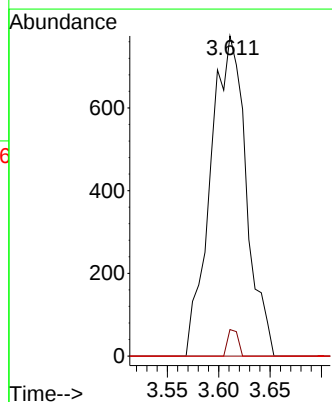
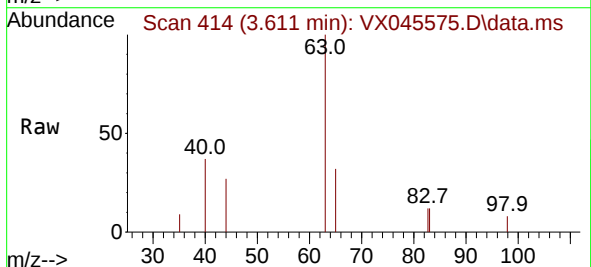
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

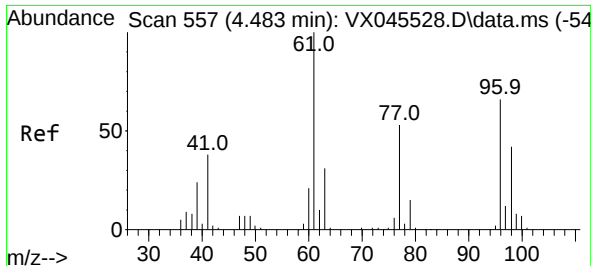
Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 150.4 121.0 181.6
98 75.8 49.7 74.5#



#24
1,1-Dichloroethane
Concen: 1.152 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 63 Resp: 1874
Ion Ratio Lower Upper
63 100
98 8.3 3.4 10.1
100 0.0 2.2 6.6#





#27

cis-1,2-Dichloroethene

Concen: 84.620 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045575.D

Acq: 03 Apr 2025 16:47

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-040225

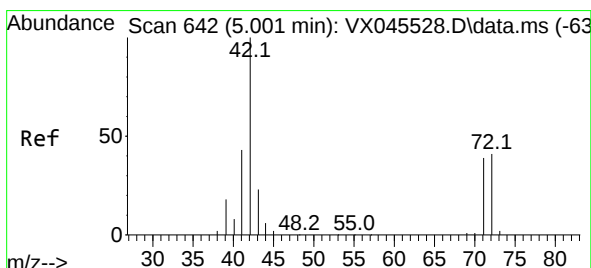
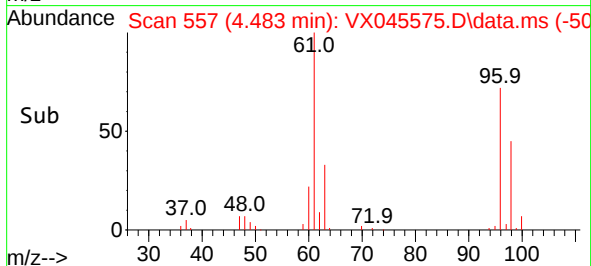
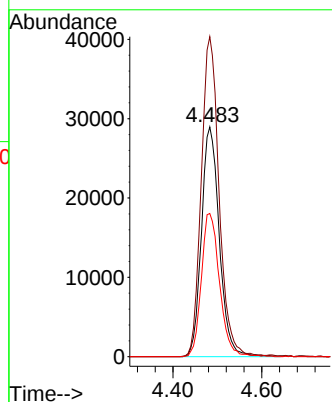
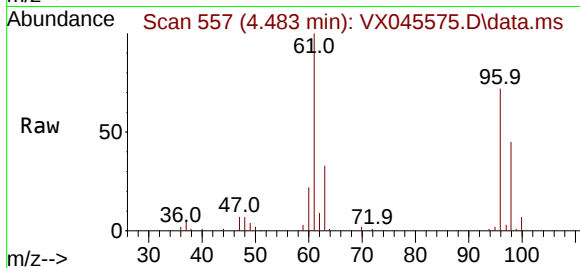
Tgt Ion: 96 Resp: 81070

Ion Ratio Lower Upper

96 100

61 139.0 0.0 313.2

98 63.5 0.0 126.4



#29

Tetrahydrofuran

Concen: 12.332 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX045575.D

Acq: 03 Apr 2025 16:47

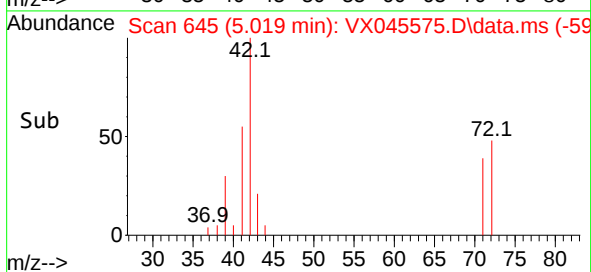
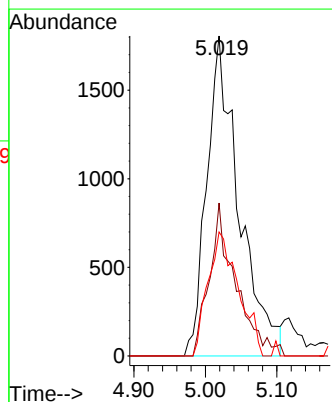
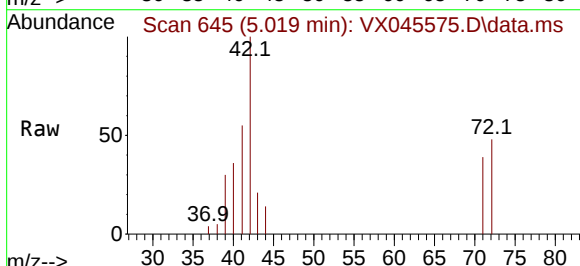
Tgt Ion: 42 Resp: 5635

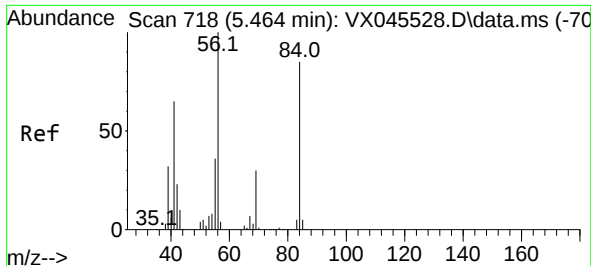
Ion Ratio Lower Upper

42 100

72 39.4 33.4 50.0

71 36.8 31.4 47.0

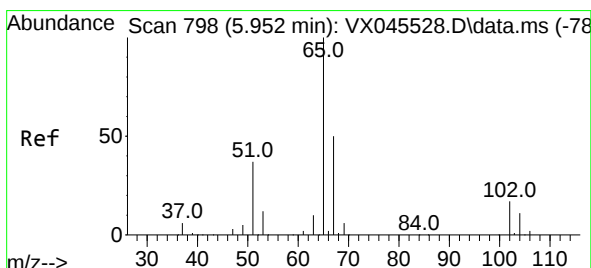
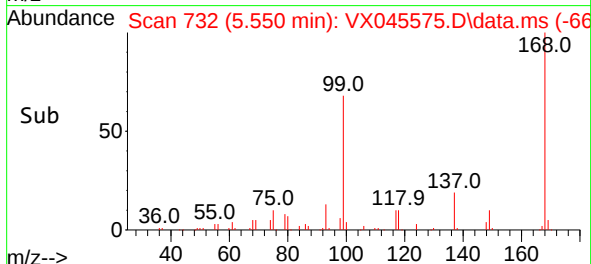
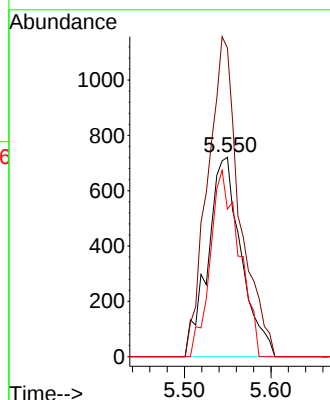
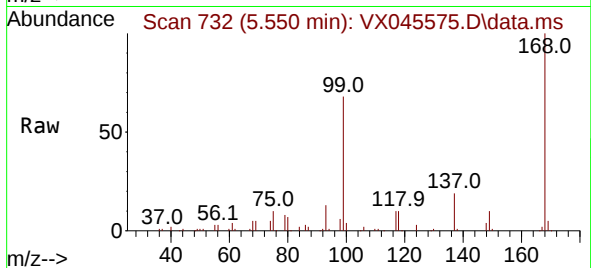




#31
Cyclohexane
Concen: 1.342 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

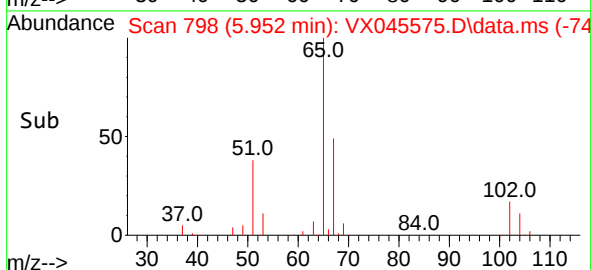
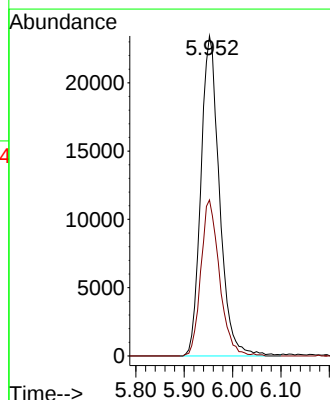
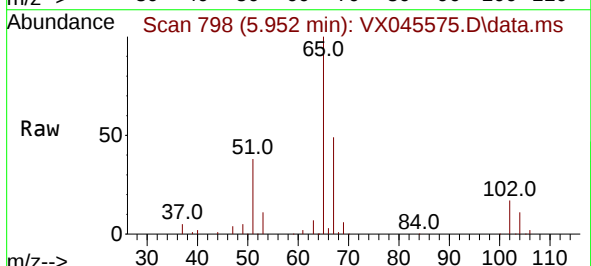
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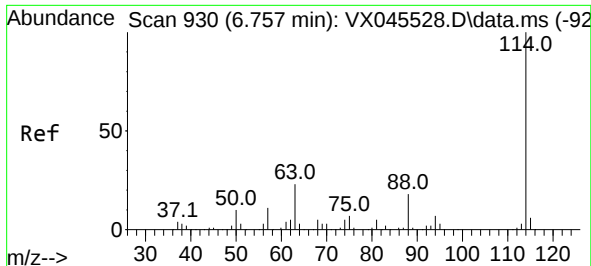
Tgt Ion: 56 Resp: 1930
Ion Ratio Lower Upper
56 100
69 154.8 23.6 35.4#
84 73.9 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.378 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 65 Resp: 62586
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

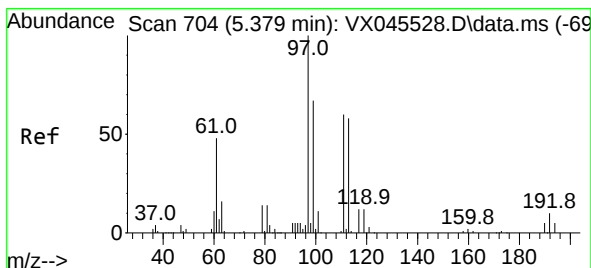
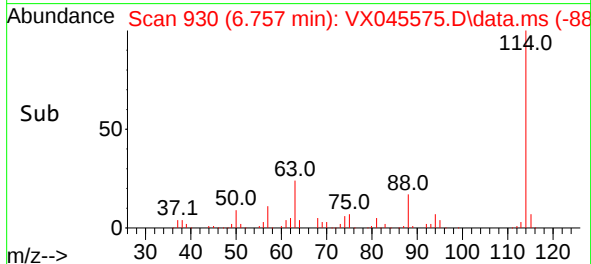
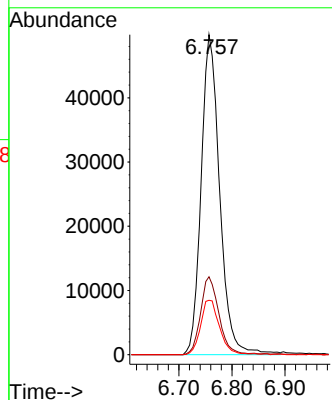
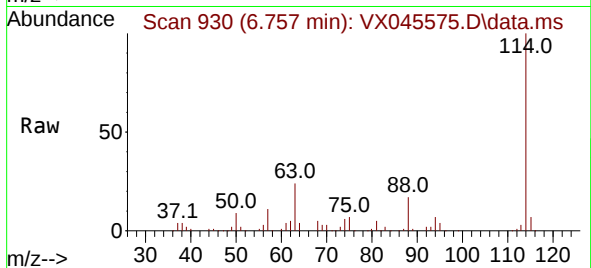




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

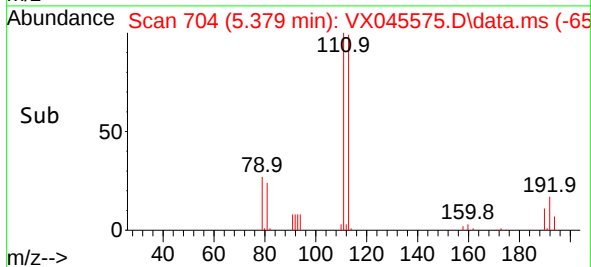
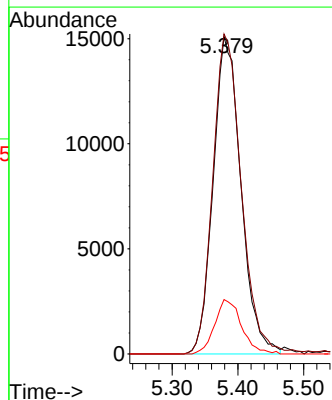
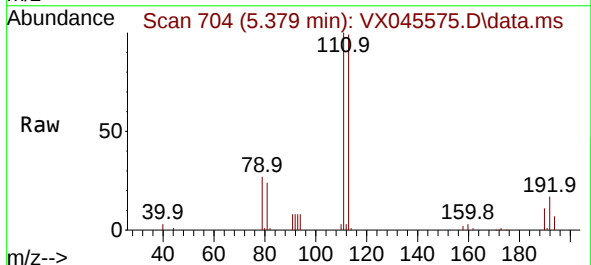
Instrument :
MSVOA_X
ClientSampleId :
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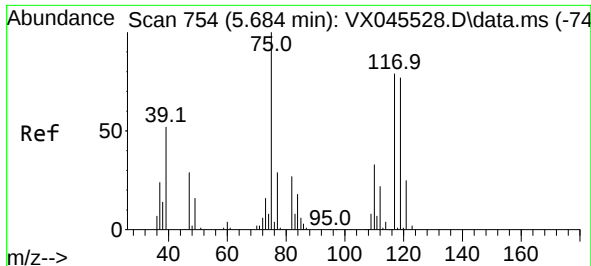
Tgt Ion:	114	Resp:	121192
Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	46.8
88	17.0	0.0	35.4



#35
Dibromofluoromethane
Concen: 51.510 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion:	113	Resp:	44291
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.6
192	16.6	13.8	20.6

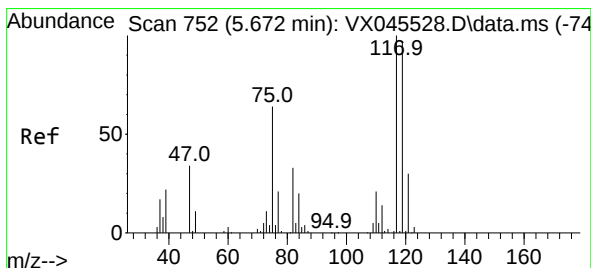
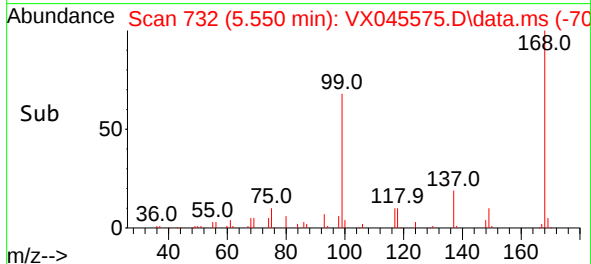
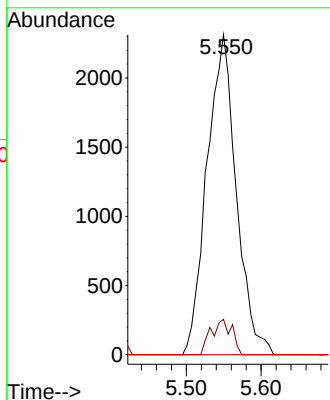
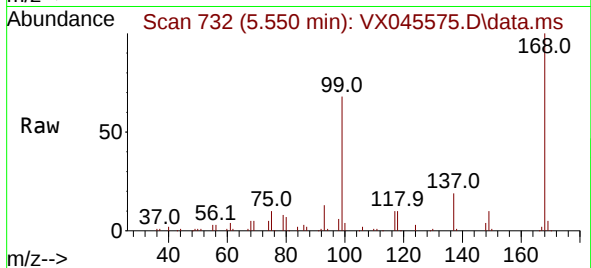




#36
1,1-Dichloropropene
Concen: 5.433 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

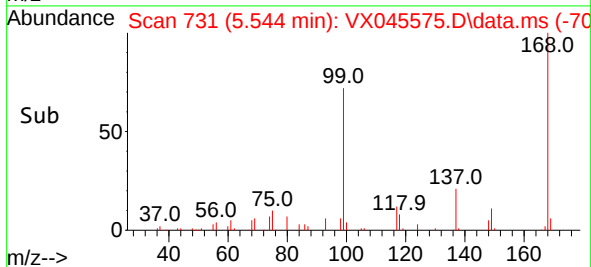
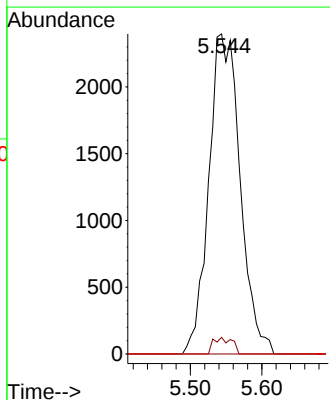
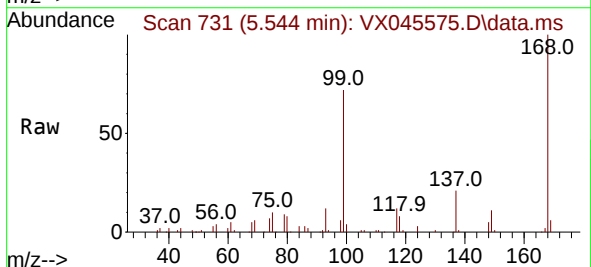
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

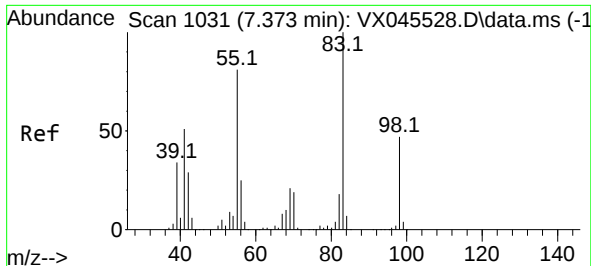
Tgt Ion: 75 Resp: 6308
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

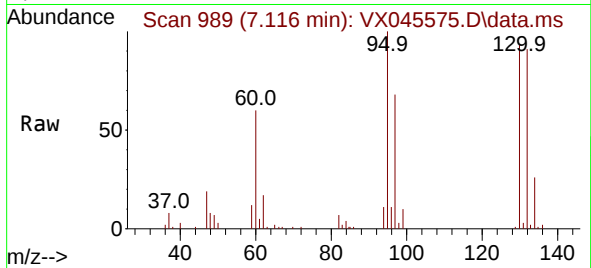
Tgt Ion: 117 Resp: 7305
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



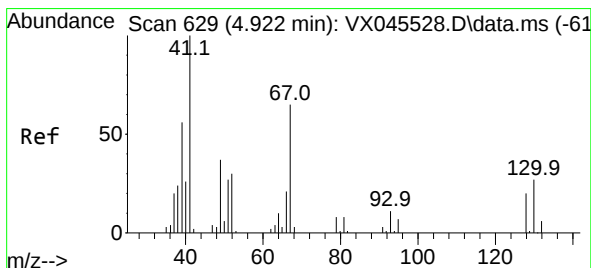
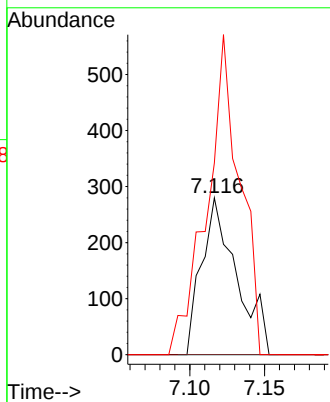
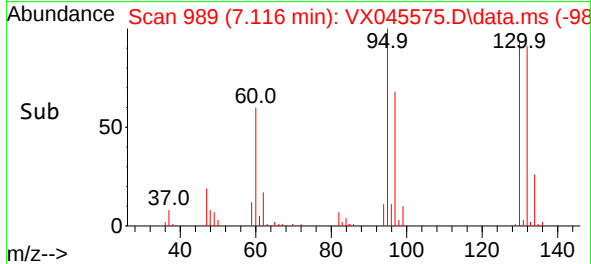


#39
Methylcyclohexane
Concen: 0.319 ug/l
RT: 7.116 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

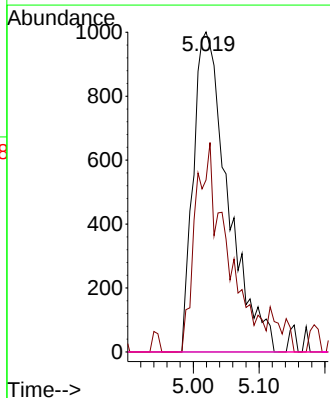
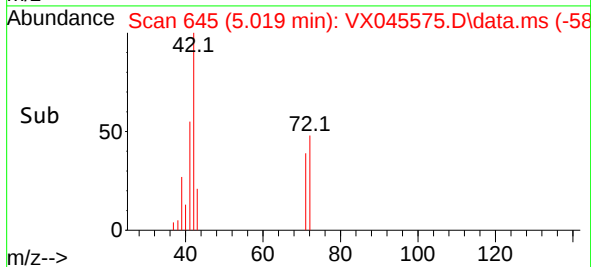
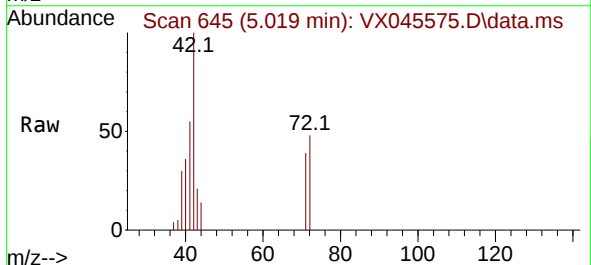


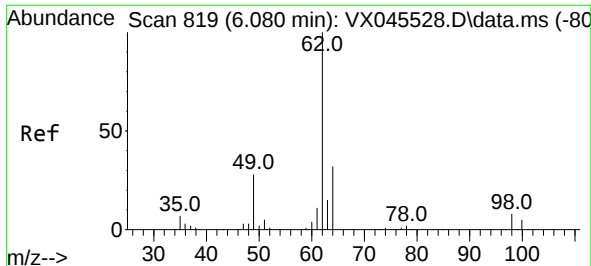
Tgt Ion: 83 Resp: 454
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 122.1 37.4 56.0#



#41
Methacrylonitrile
Concen: 4.736 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 41 Resp: 3656
Ion Ratio Lower Upper
41 100
39 60.8 47.0 70.6
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#





#42

1,2-Dichloroethane

Concen: 0.220 ug/l

RT: 6.104 min Scan# 819

Delta R.T. 0.024 min

Lab File: VX045575.D

Acq: 03 Apr 2025 16:47

Instrument :

MSVOA_X

ClientSampleId :

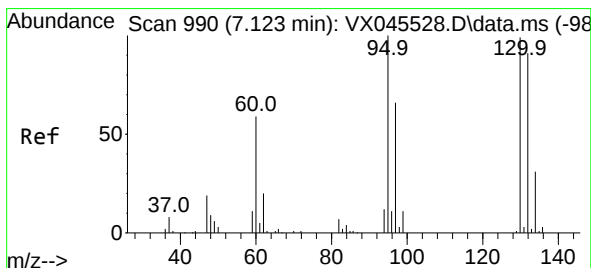
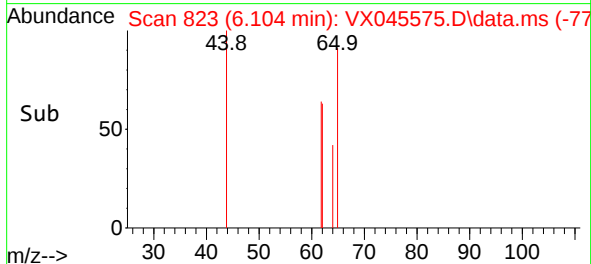
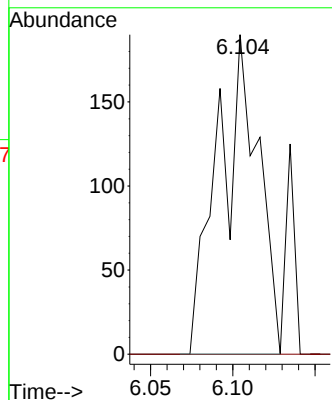
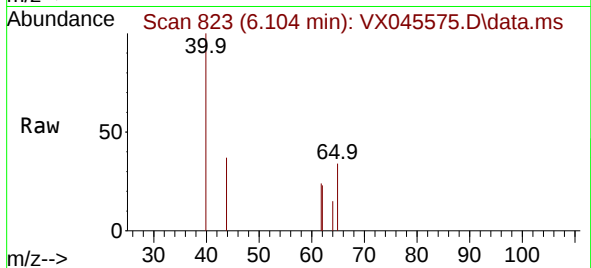
MW-18B-56-040225

Tgt Ion: 62 Resp: 322

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#44

Trichloroethene

Concen: 36.740 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045575.D

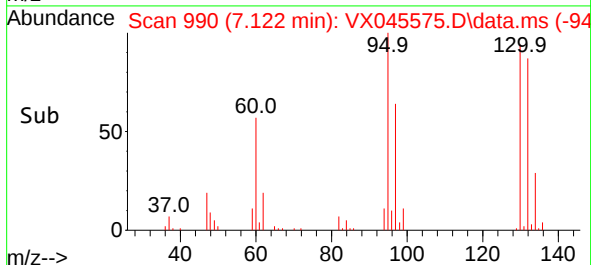
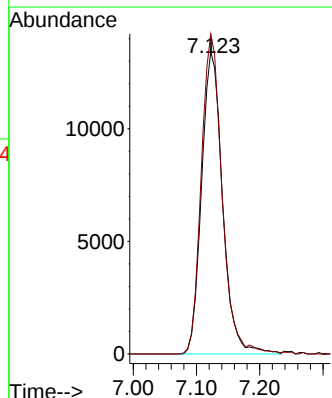
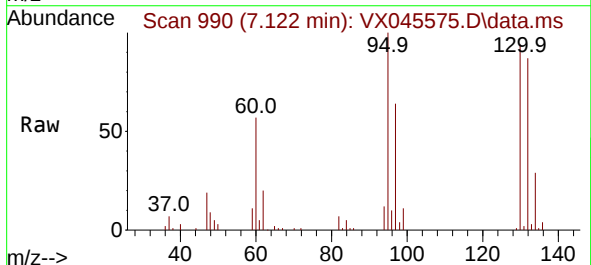
Acq: 03 Apr 2025 16:47

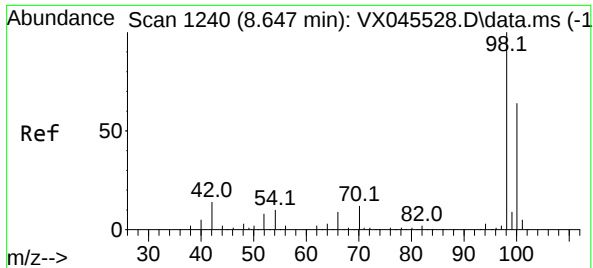
Tgt Ion:130 Resp: 30963

Ion Ratio Lower Upper

130 100

95 105.8 0.0 202.0

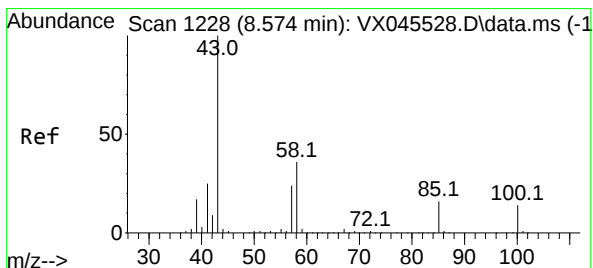
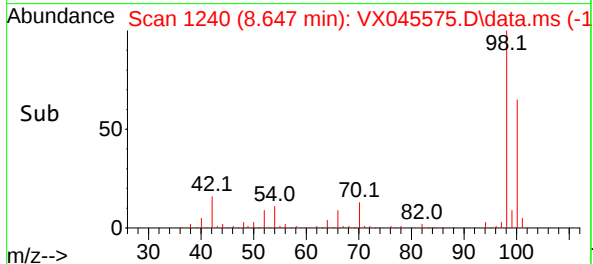
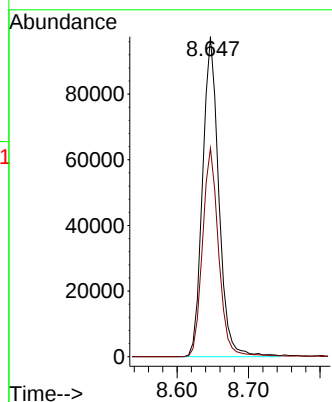
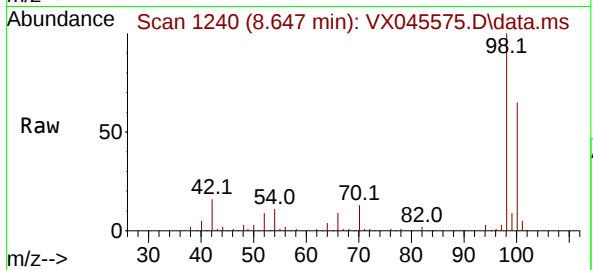




#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

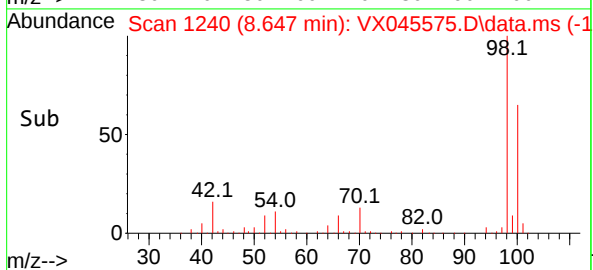
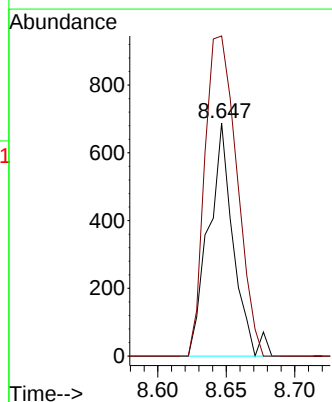
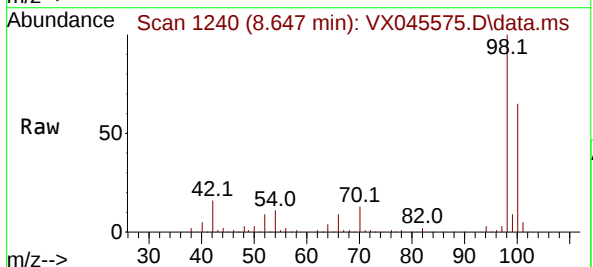
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

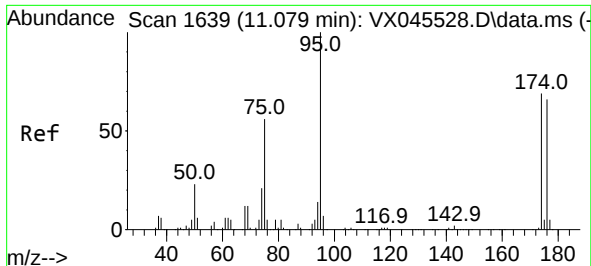
Tgt Ion: 98 Resp: 153765
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 178.0 28.5 42.7#

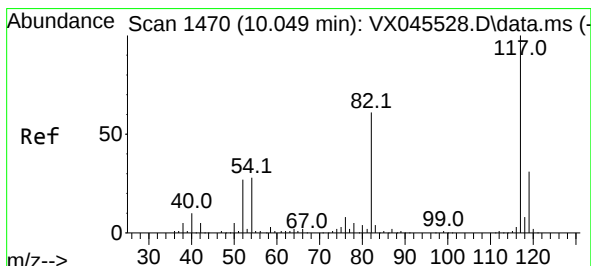
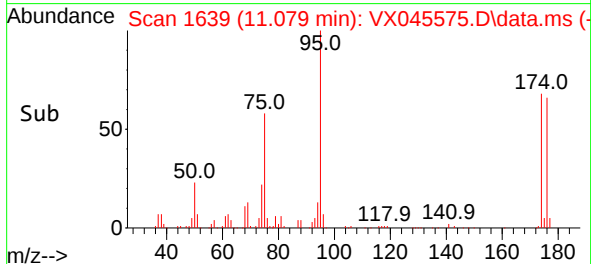
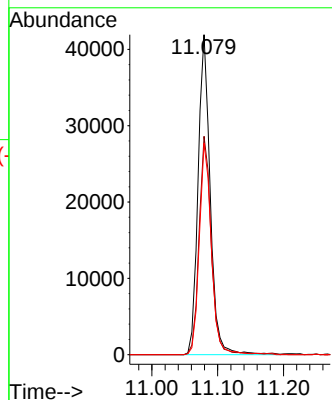
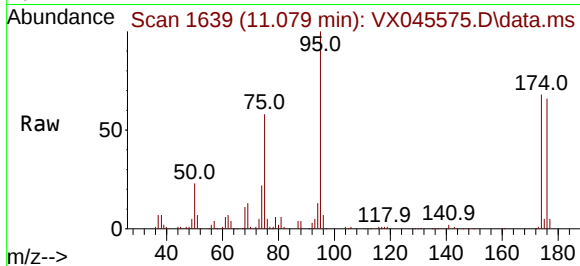




#62
4-Bromofluorobenzene
Concen: 49.144 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

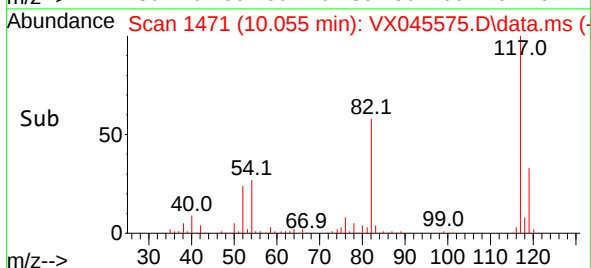
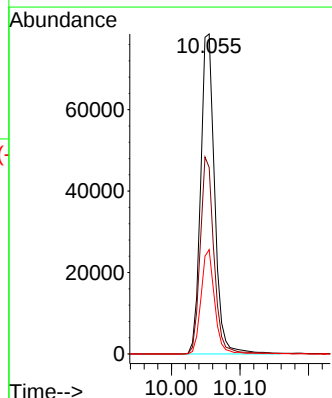
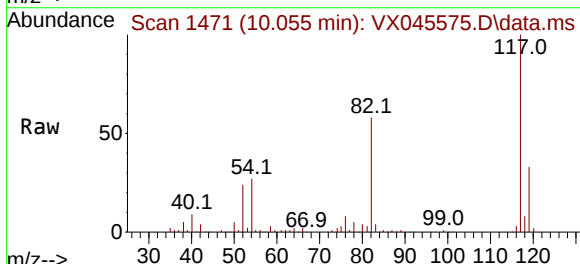
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-040225

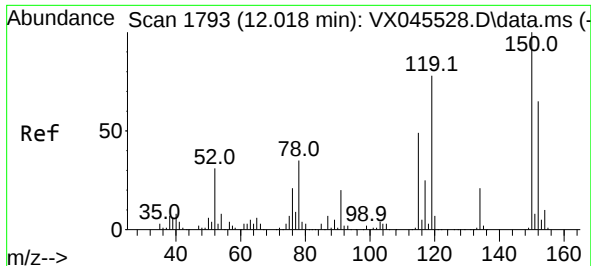
Tgt Ion: 95 Resp: 53724
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045575.D
Acq: 03 Apr 2025 16:47

Tgt Ion: 117 Resp: 112037
Ion Ratio Lower Upper
117 100
82 58.3 49.2 73.8
119 32.6 25.1 37.7

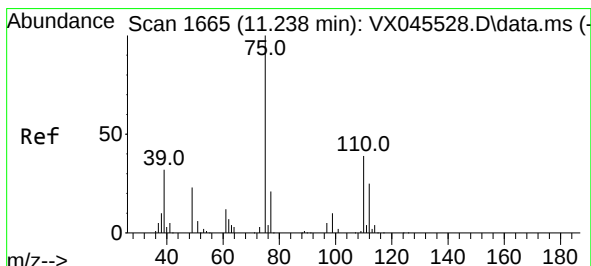
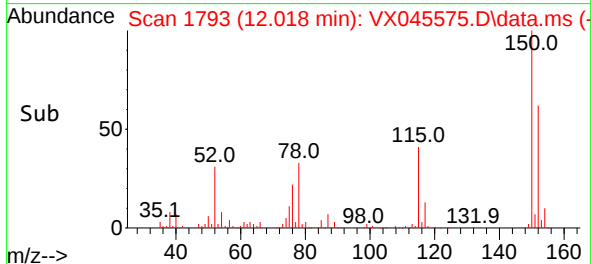
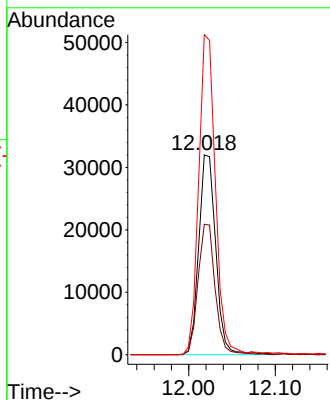
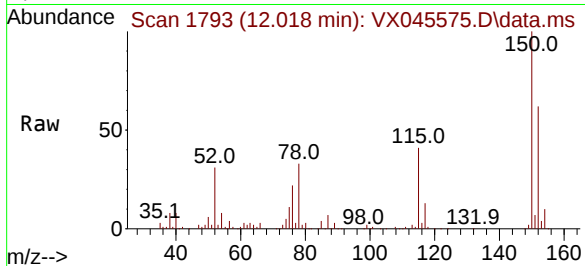




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045575.D
 Acq: 03 Apr 2025 16:47

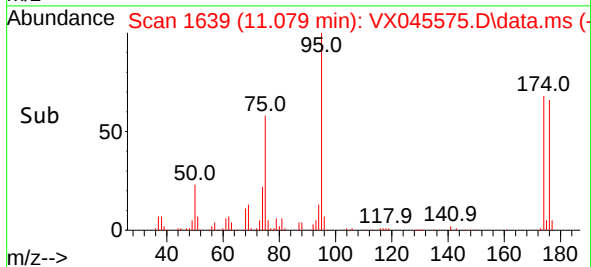
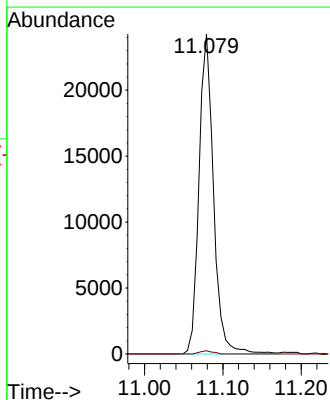
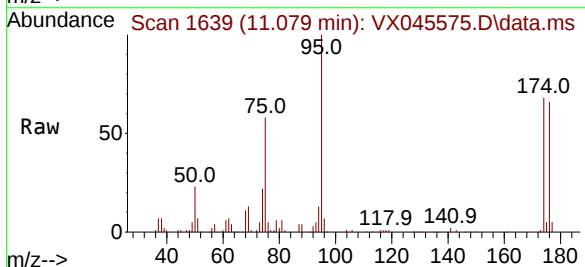
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-040225

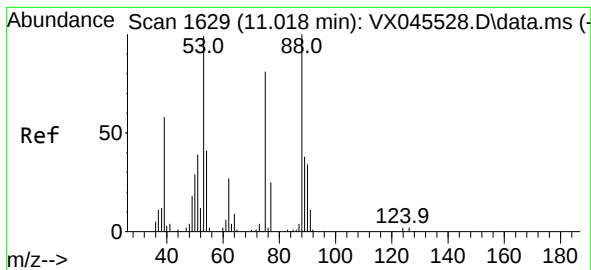
Tgt Ion:152 Resp: 43792
 Ion Ratio Lower Upper
 152 100
 115 65.5 46.9 140.7
 150 158.9 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 29.272 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045575.D
 Acq: 03 Apr 2025 16:47

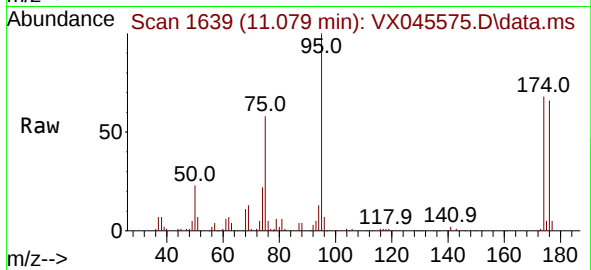
Tgt Ion: 75 Resp: 31268
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.345 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045575.D
 Acq: 03 Apr 2025 16:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-040225



Tgt Ion: 75 Resp: 31268
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

