

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045253.D
 Acq On : 12 Mar 2025 16:55
 Operator : JC/MD
 Sample : Q1539-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 01:44:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

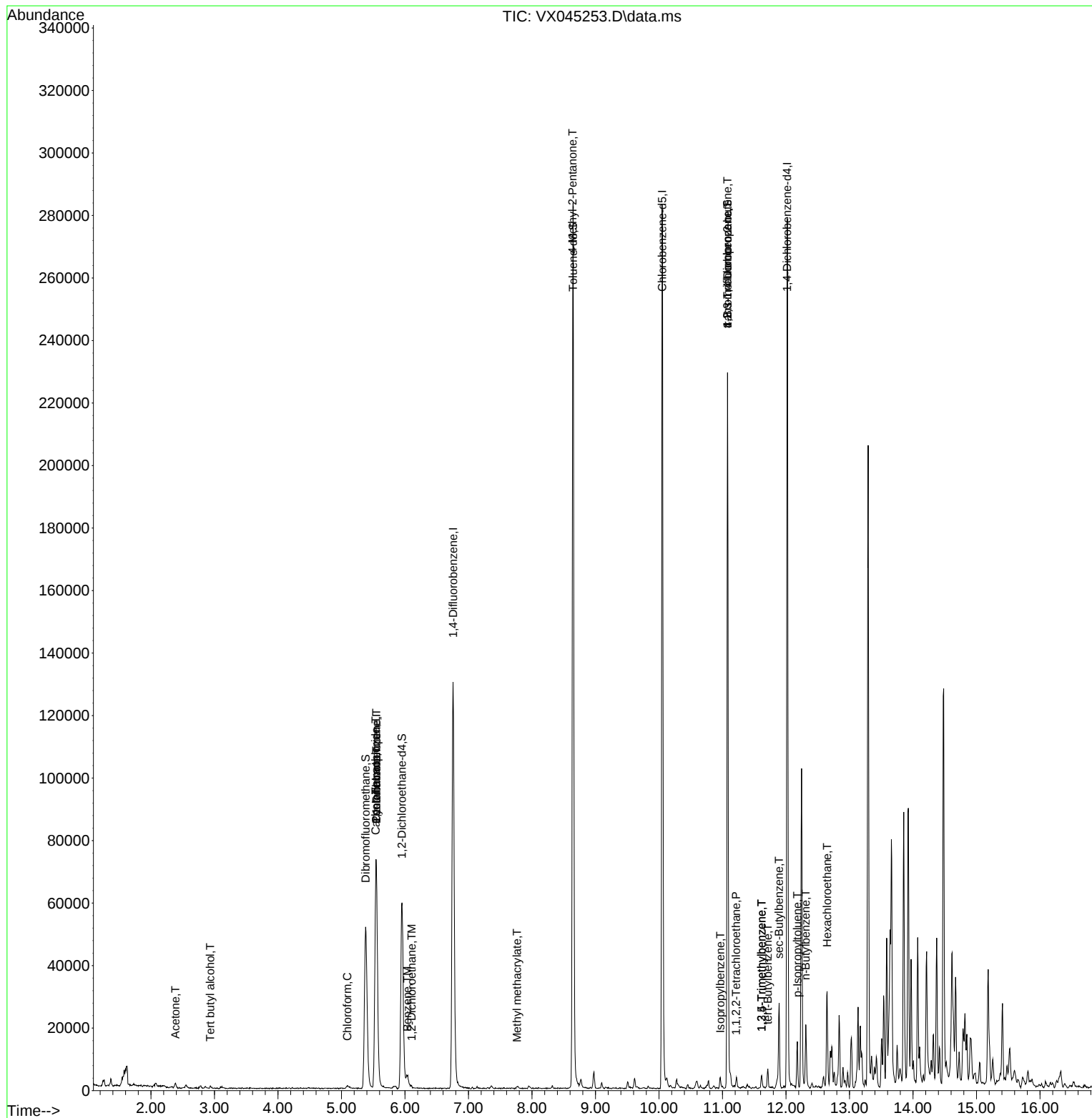
Internal Standards						
1) Pentafluorobenzene	5.550	168	66308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56902	53.950	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.900%			
35) Dibromofluoromethane	5.379	113	45229	52.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	8.647	98	164036	52.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.740%			
62) 4-Bromofluorobenzene	11.079	95	58034	55.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.935	59	331	1.657	ug/l #	73
16) Acetone	2.386	43	1806	3.691	ug/l	89
30) Chloroform	5.093	83	1150	0.700	ug/l #	76
31) Cyclohexane	5.550	56	1811	1.262	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	6269	5.291	ug/l #	48
38) Carbon Tetrachloride	5.538	117	7292	6.062	ug/l #	16
40) Benzene	6.038	78	4594	1.228	ug/l #	88
42) 1,2-Dichloroethane	6.105	62	566	0.420	ug/l #	75
48) Methyl methacrylate	7.763	41	273	0.241	ug/l #	35
51) 4-Methyl-2-Pentanone	8.641	43	1094	0.722	ug/l #	1
73) Isopropylbenzene	10.964	105	1980	0.490	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.214	83	333	0.225	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	31985	26.537	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.616	105	1022	0.313	ug/l	68
81) trans-1,4-Dichloro-2-b...	11.079	75	31985	90.816	ug/l #	6
83) tert-Butylbenzene	11.713	119	2097	0.624	ug/l	86
84) 1,2,4-Trimethylbenzene	11.616	105	1022	0.311	ug/l	73
85) sec-Butylbenzene	11.890	105	13740	3.416	ug/l	92
86) p-Isopropyltoluene	12.177	119	6042	1.859	ug/l	94
89) n-Butylbenzene	12.311	91	2104	0.752	ug/l #	12
90) Hexachloroethane	12.646	117	9215	15.673	ug/l #	18

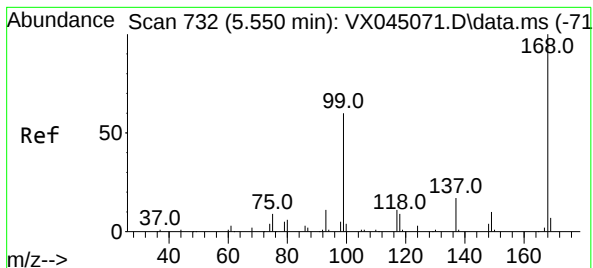
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
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ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 01:44:24 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: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX045253.D

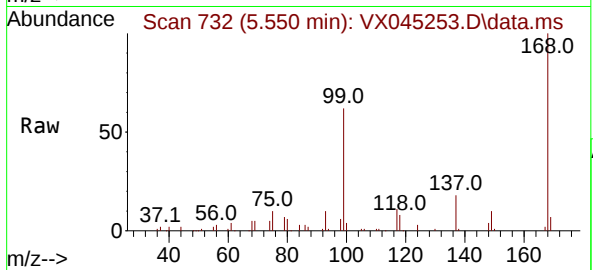
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Instrument :

MSVOA_X

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

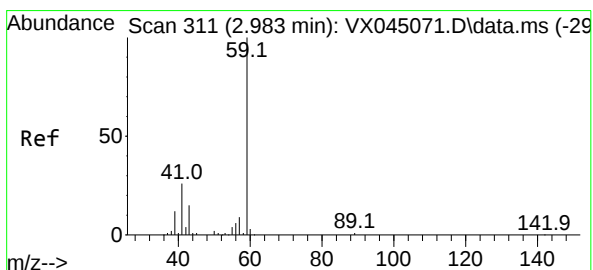
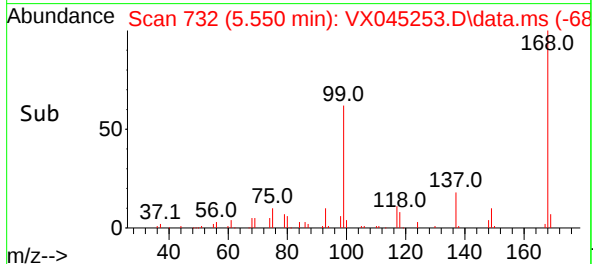
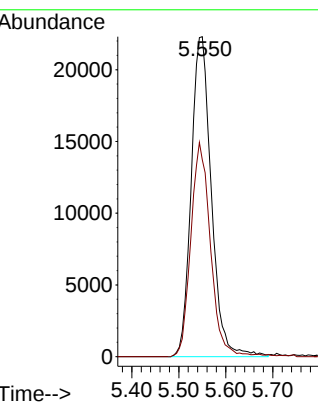


Tgt Ion:168 Resp: 66308

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



#11

Tert butyl alcohol

Concen: 1.657 ug/l

RT: 2.935 min Scan# 303

Delta R.T. -0.049 min

Lab File: VX045253.D

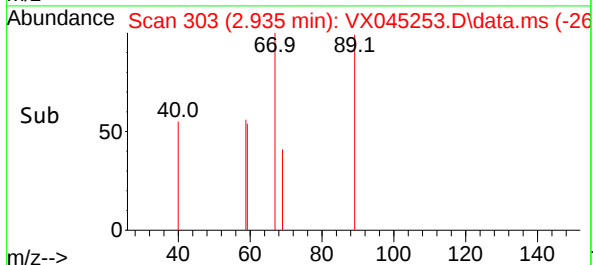
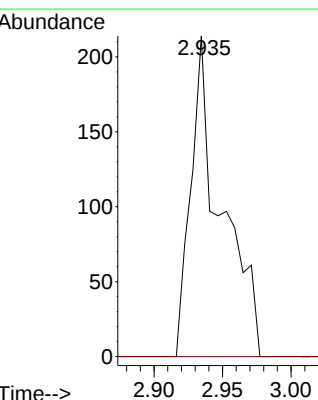
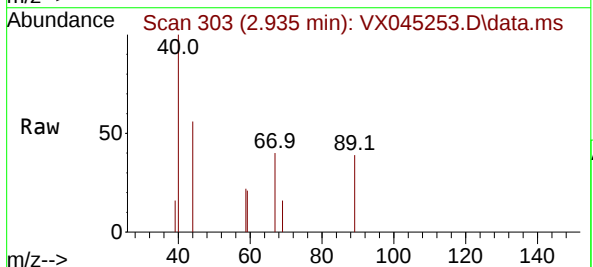
Acq: 12 Mar 2025 16:55

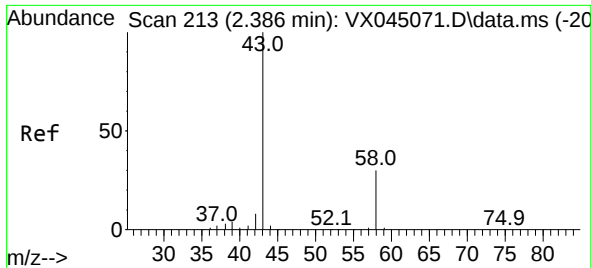
Tgt Ion: 59 Resp: 331

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

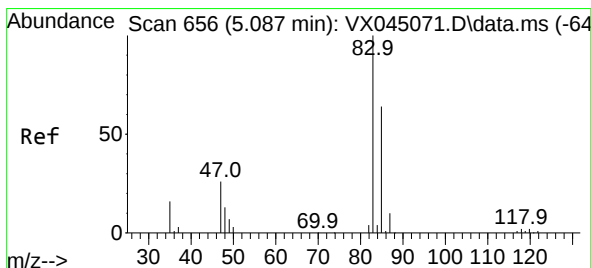
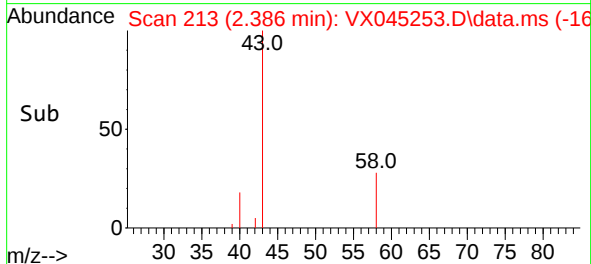
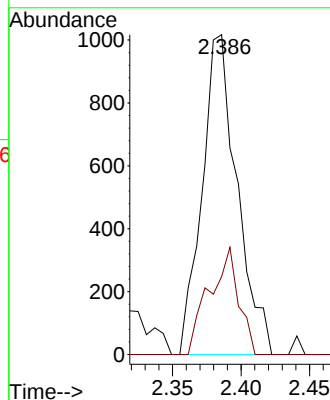
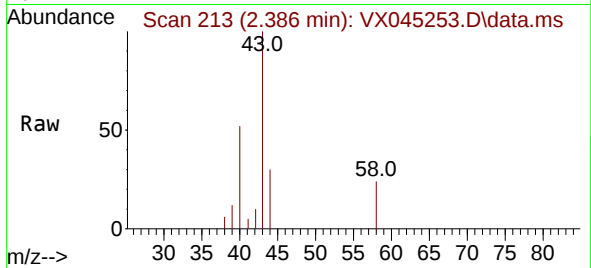




#16
Acetone
Concen: 3.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

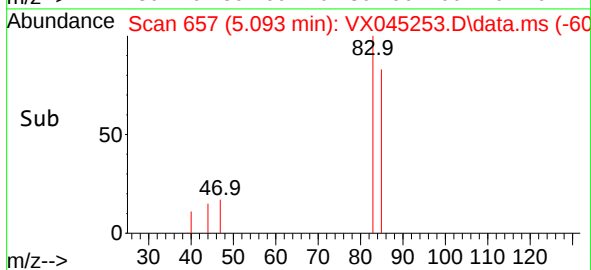
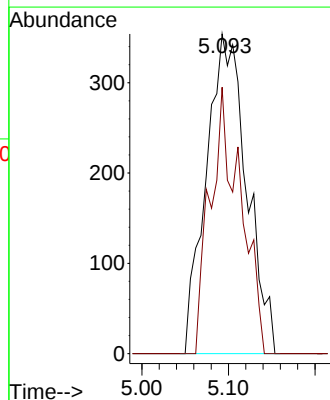
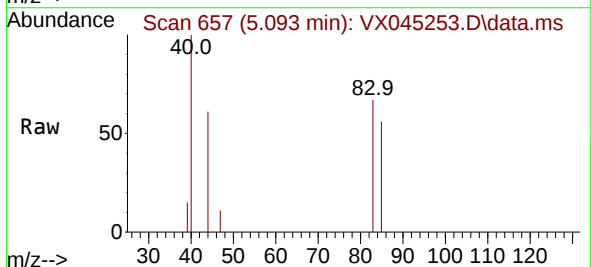
Instrument : MSVOA_X
ClientSampleId : TAPIAL3-MW03D-031025-00-T1

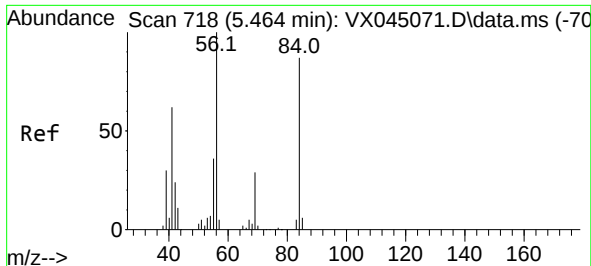
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 24.4 24.2 36.4



#30
Chloroform
Concen: 0.700 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 83 Resp: 1150
Ion Ratio Lower Upper
83 100
85 83.3 51.4 77.2#

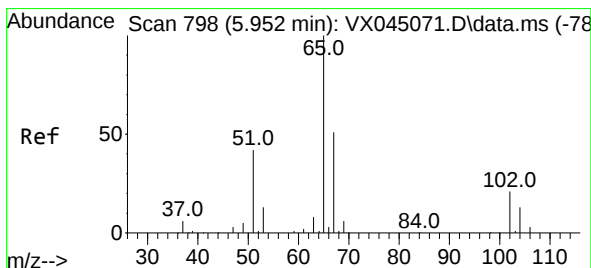
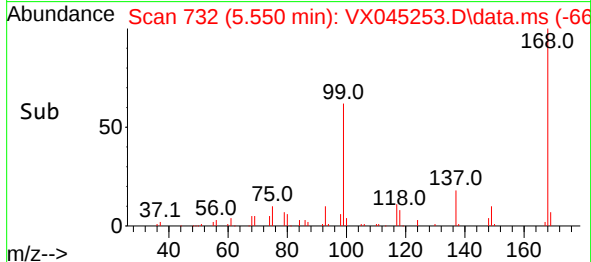
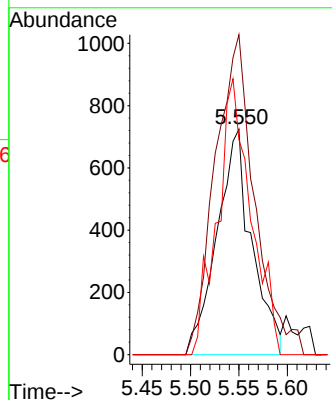
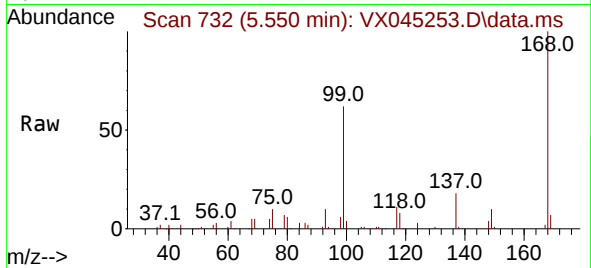




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

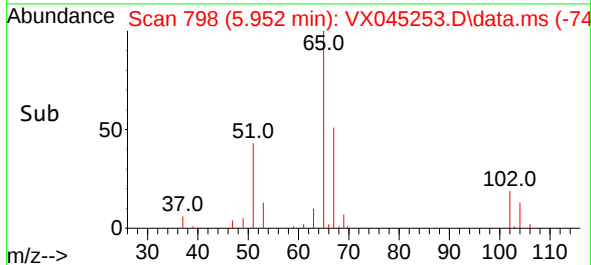
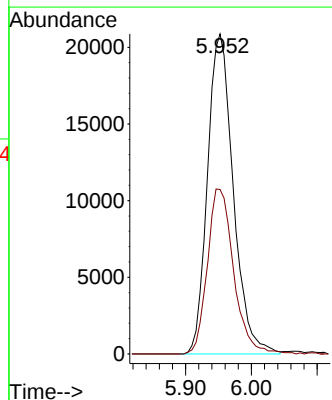
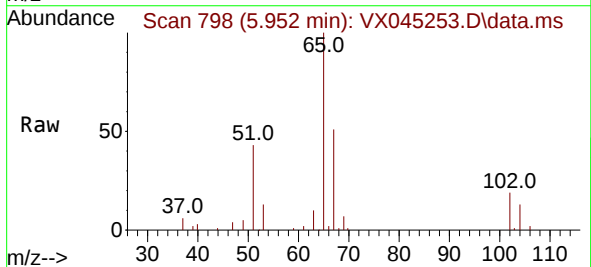
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

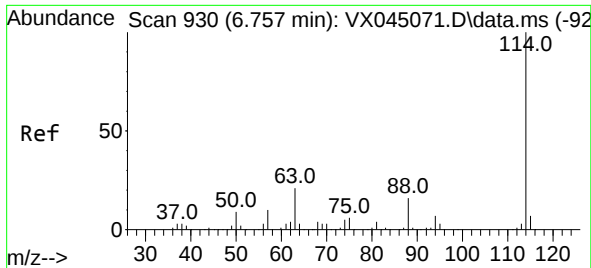
Tgt Ion: 56 Resp: 1811
Ion Ratio Lower Upper
56 100
69 142.0 23.4 35.2#
84 95.4 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 53.950 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 65 Resp: 56902
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.2

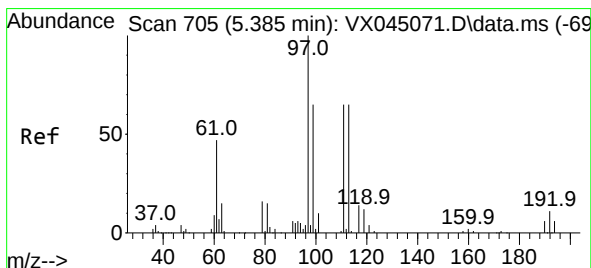
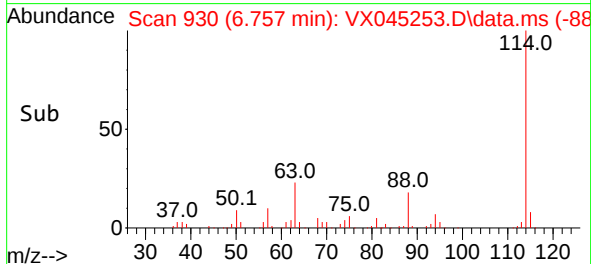
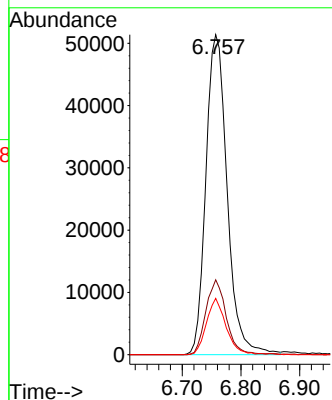
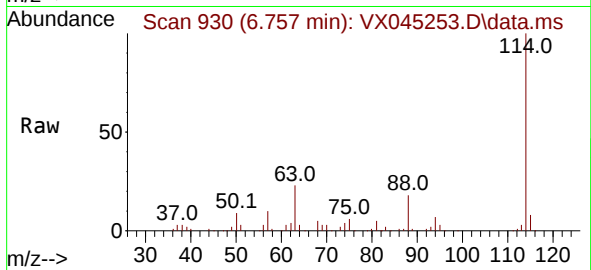




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

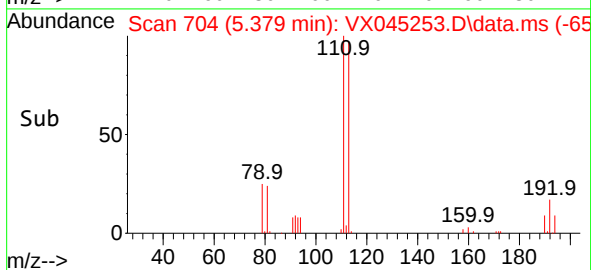
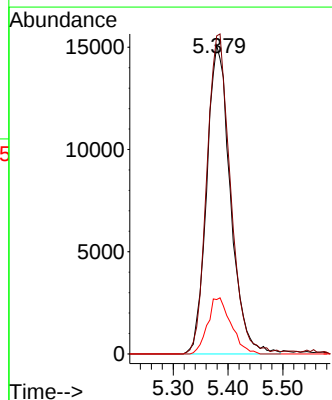
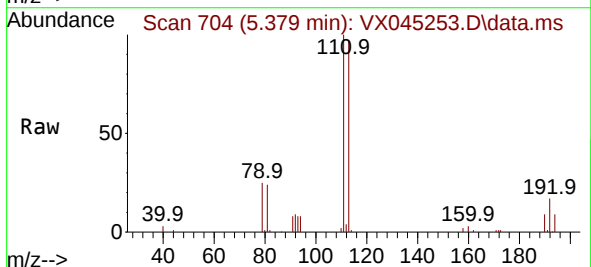
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

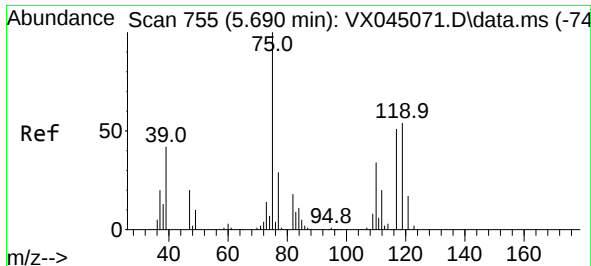
Tgt Ion:114 Resp: 129212
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 17.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.348 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion:113 Resp: 45229
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 18.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.291 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045253.D

Acq: 12 Mar 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

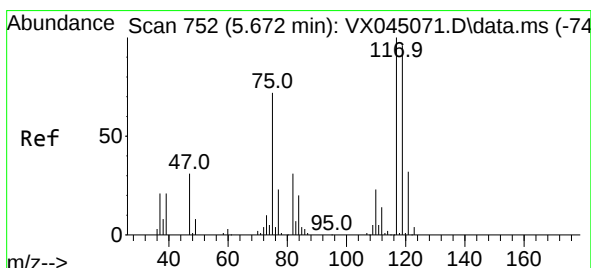
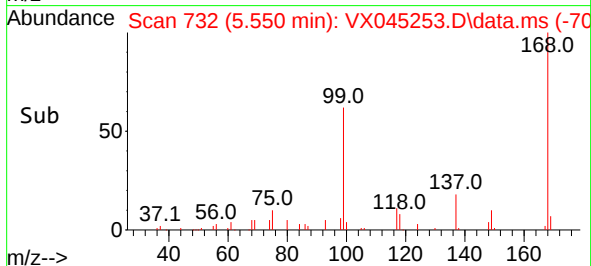
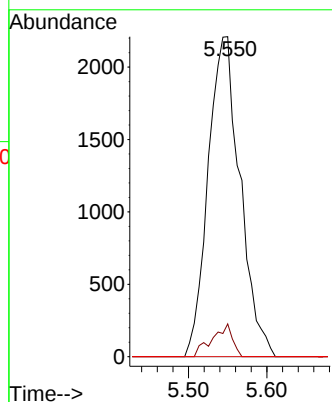
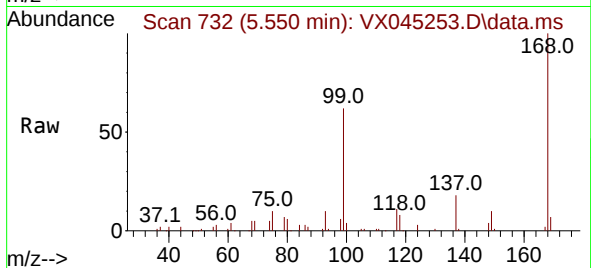
Tgt Ion: 75 Resp: 6269

Ion Ratio Lower Upper

75 100

110 6.5 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.062 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045253.D

Acq: 12 Mar 2025 16:55

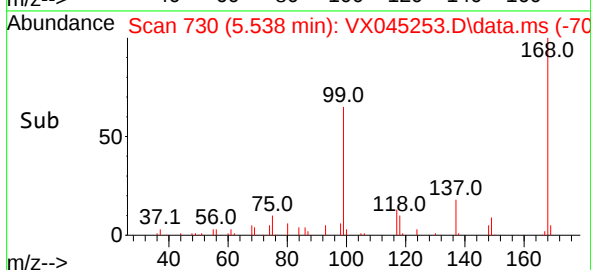
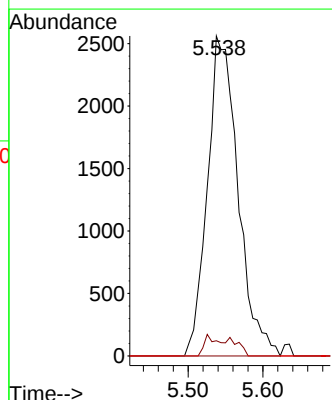
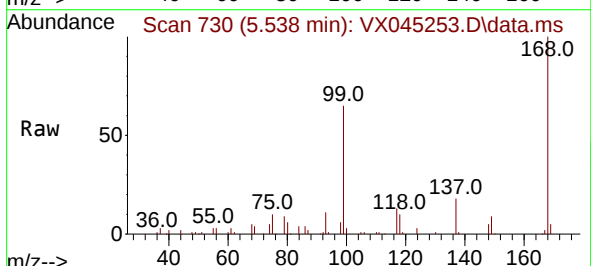
Tgt Ion: 117 Resp: 7292

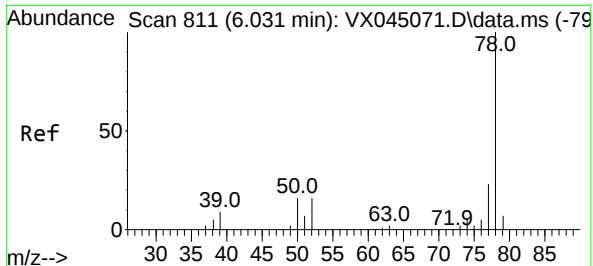
Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

121 0.0 25.5 38.3#

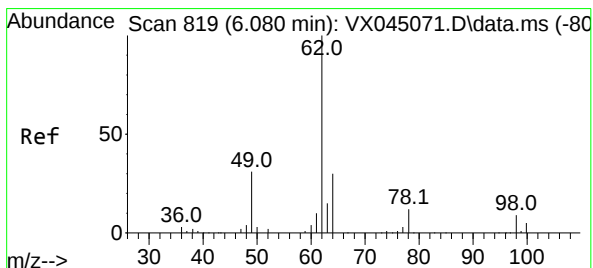
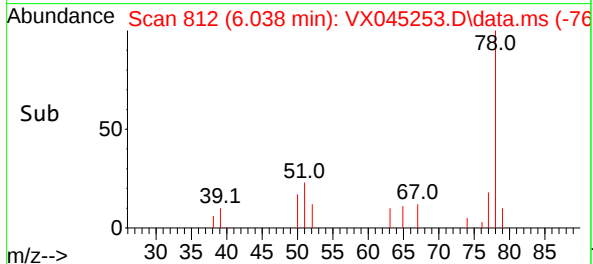
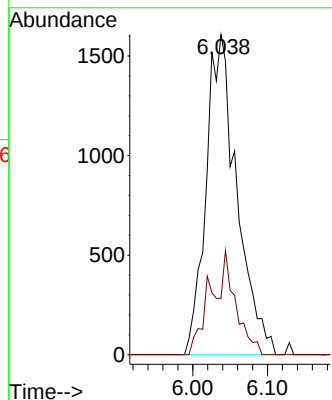
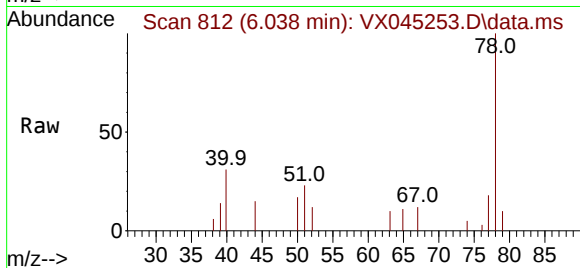




#40
Benzene
Concen: 1.228 ug/l
RT: 6.038 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

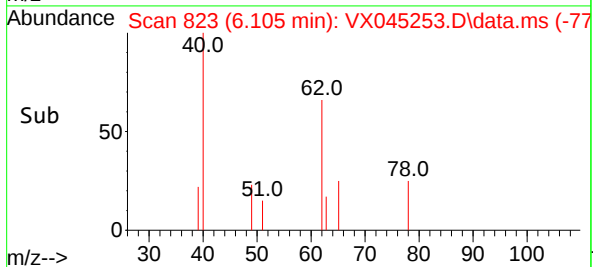
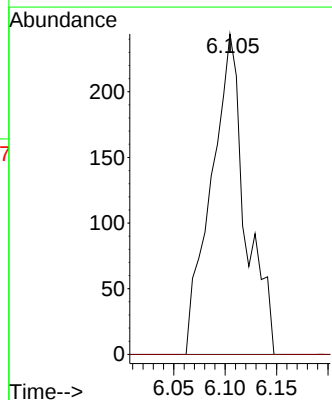
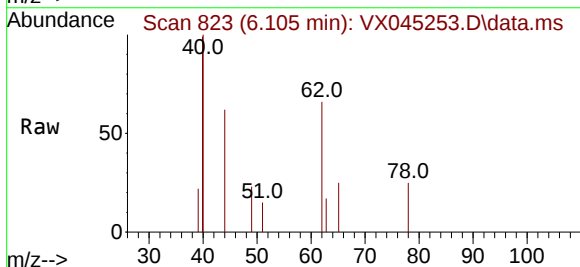
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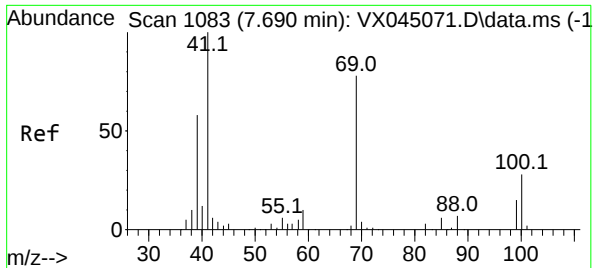
Tgt Ion: 78 Resp: 4594
Ion Ratio Lower Upper
78 100
77 17.6 18.8 28.2#



#42
1,2-Dichloroethane
Concen: 0.420 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.024 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 62 Resp: 566
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

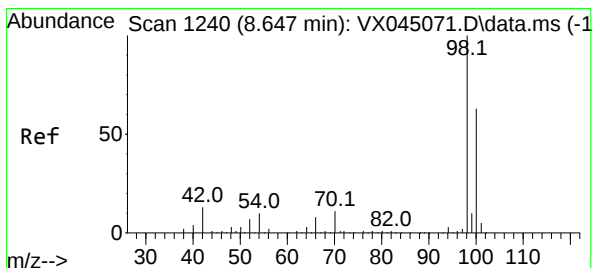
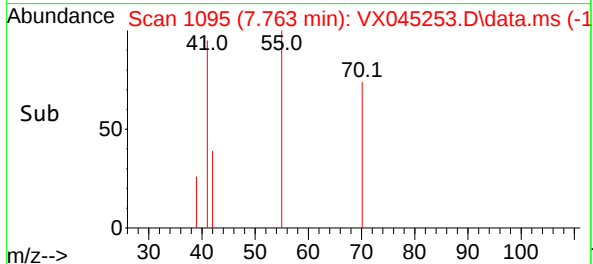
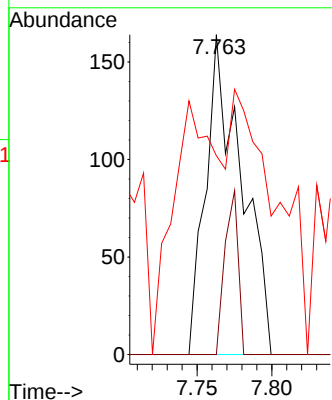
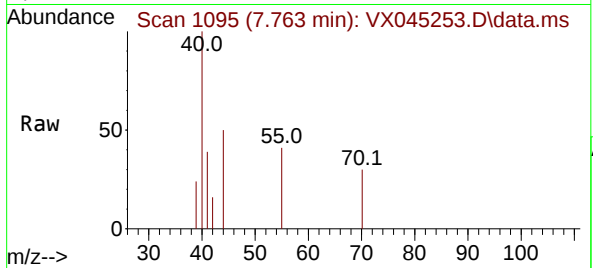




#48
Methyl methacrylate
Concen: 0.241 ug/l
RT: 7.763 min Scan# 1095
Delta R.T. 0.073 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

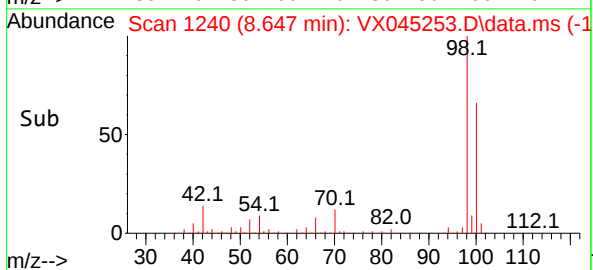
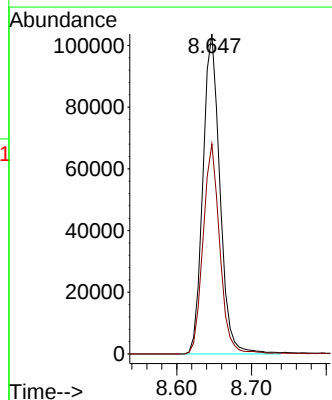
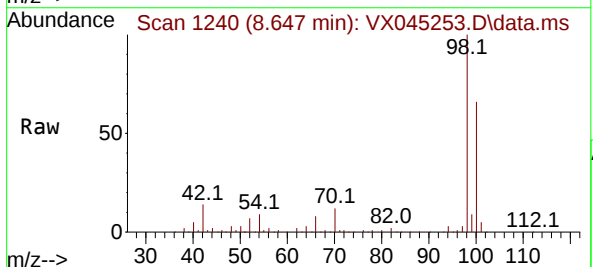
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

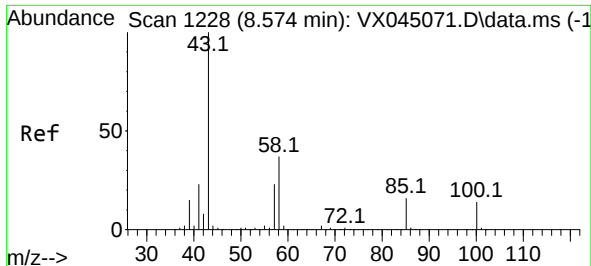
Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
69 19.0 63.0 94.6#
39 104.4 47.5 71.3#



#50
Toluene-d8
Concen: 52.369 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 98 Resp: 164036
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

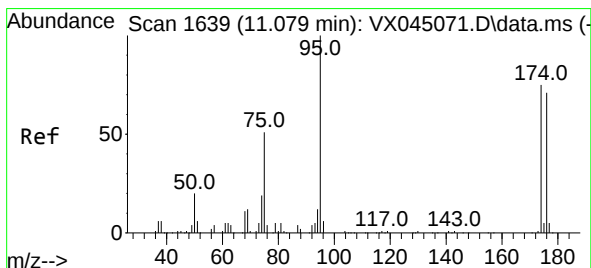
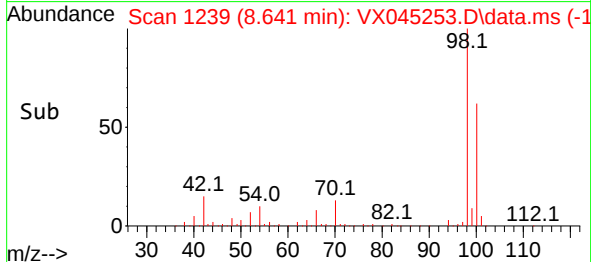
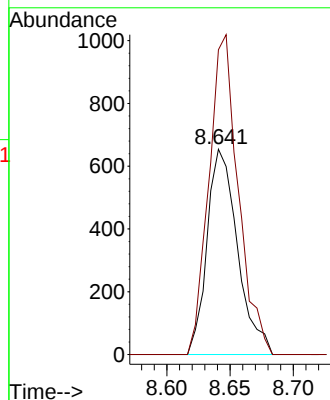
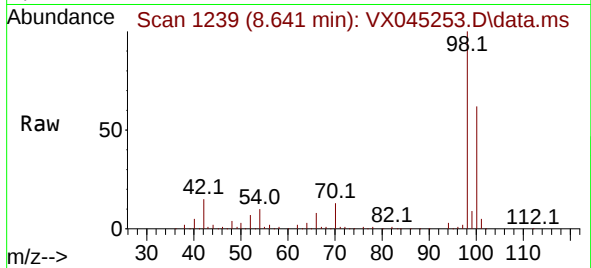




#51
4-Methyl-2-Pentanone
Concen: 0.722 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

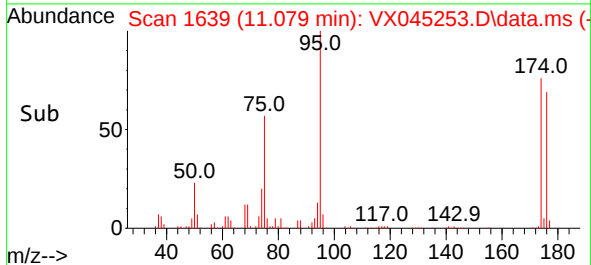
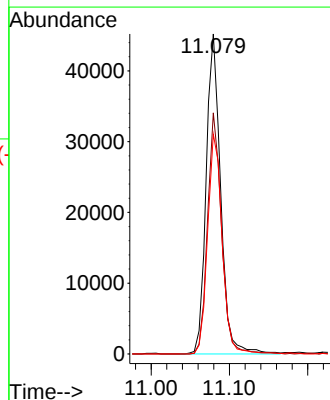
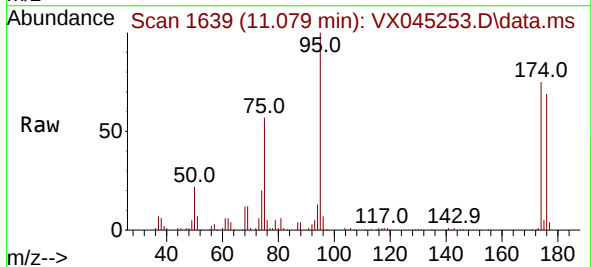
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

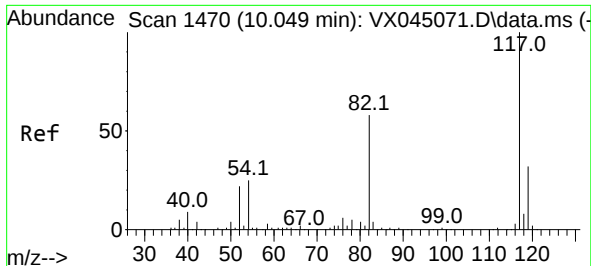
Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
58 150.6 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 55.912 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 95 Resp: 58034
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.2
176 69.1 0.0 141.4

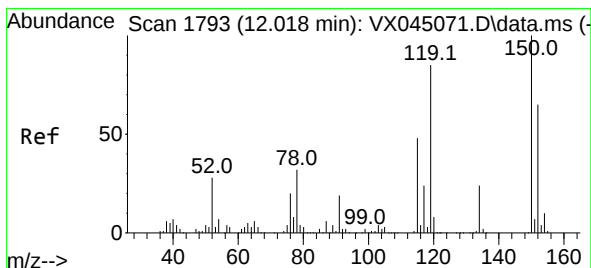
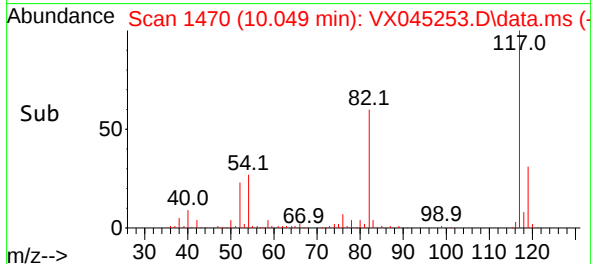
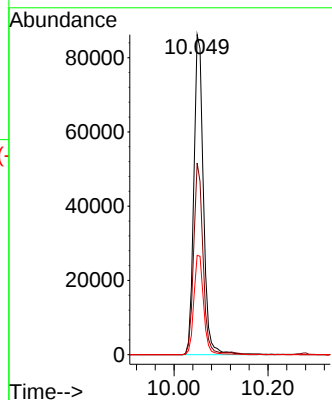
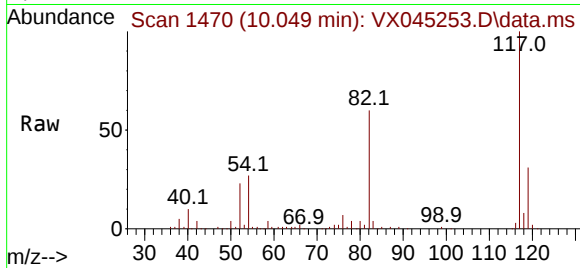




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

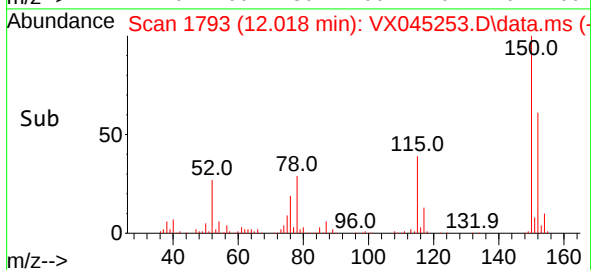
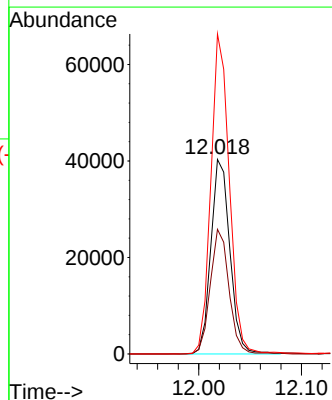
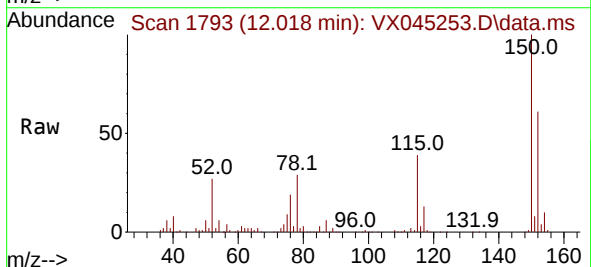
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

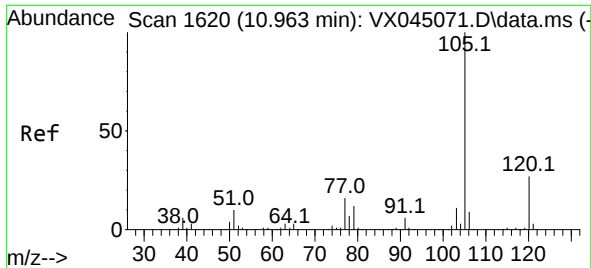
Tgt Ion:117 Resp: 122481
Ion Ratio Lower Upper
117 100
82 59.9 46.3 69.5
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion:152 Resp: 51784
Ion Ratio Lower Upper
152 100
115 63.4 44.2 132.6
150 160.1 0.0 349.0

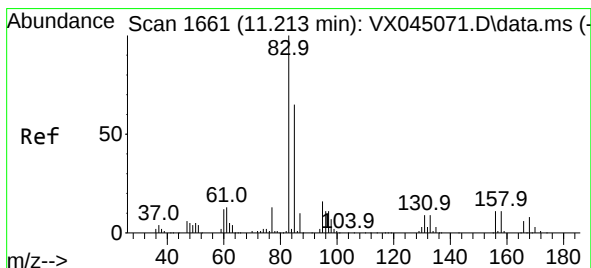
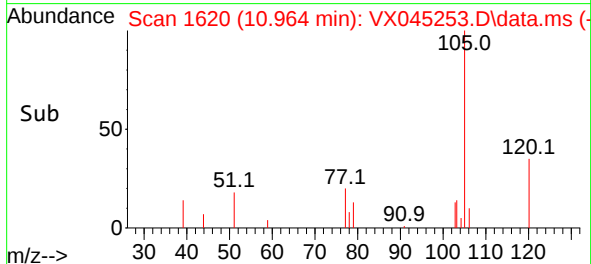
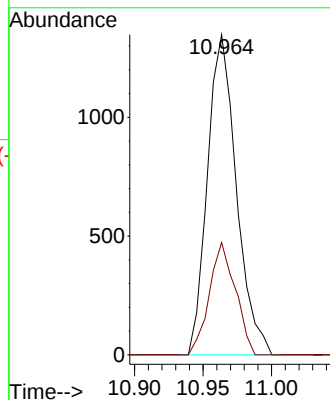
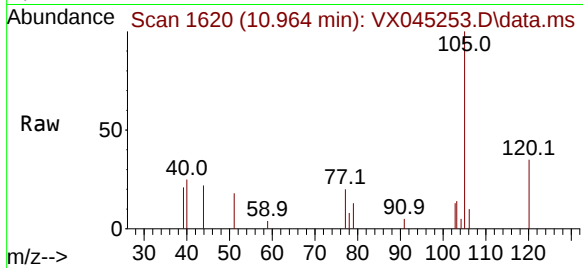




#73
Isopropylbenzene
Concen: 0.490 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

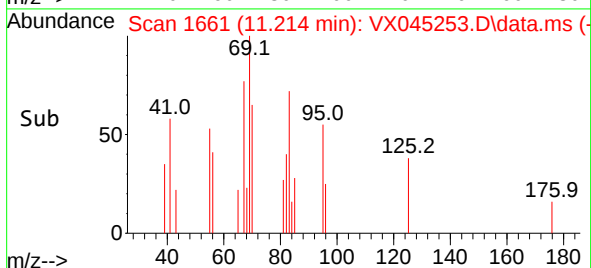
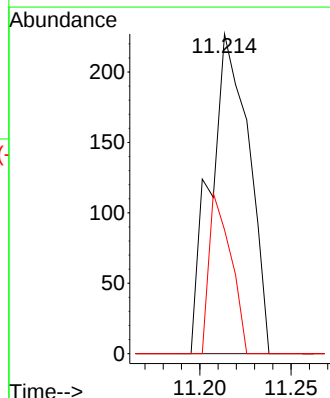
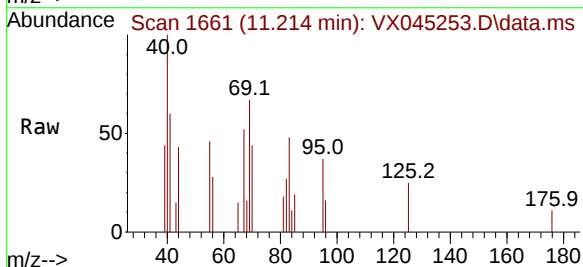
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

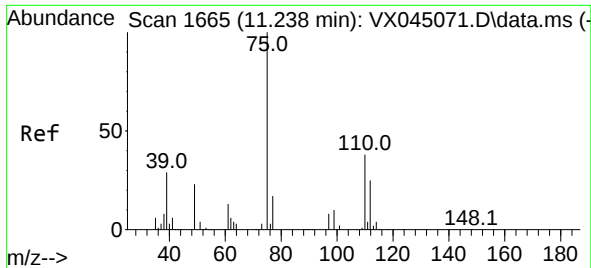
Tgt Ion:105 Resp: 1980
Ion Ratio Lower Upper
105 100
120 31.6 13.2 39.5



#75
1,1,2,2-Tetrachloroethane
Concen: 0.225 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 83 Resp: 333
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.4#
85 28.2 31.7 95.1#

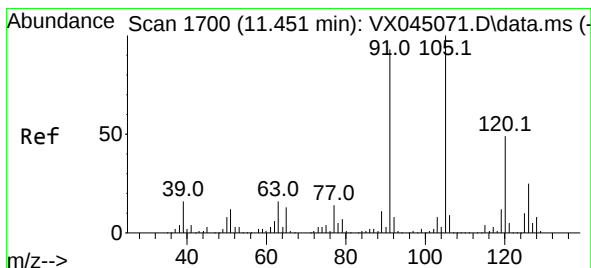
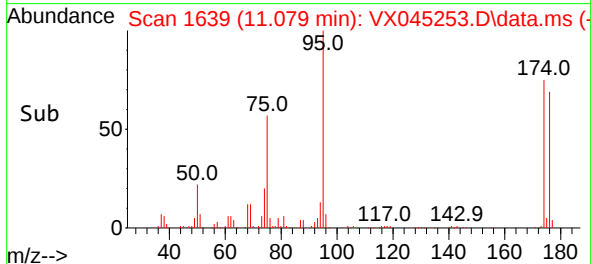
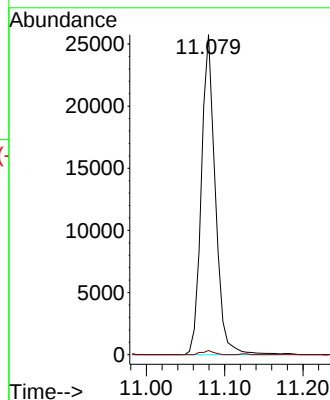
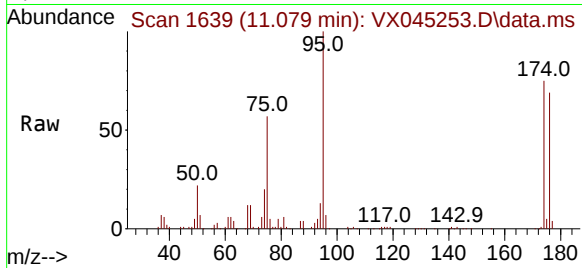




#76
1,2,3-Trichloropropane
Concen: 26.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

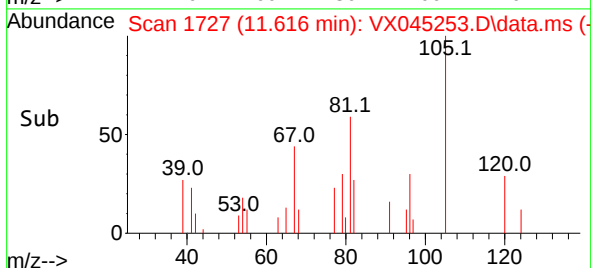
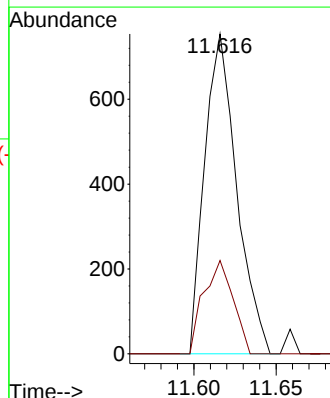
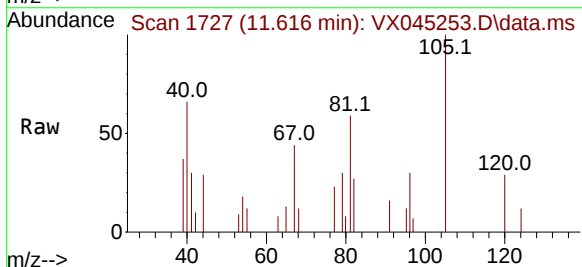
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

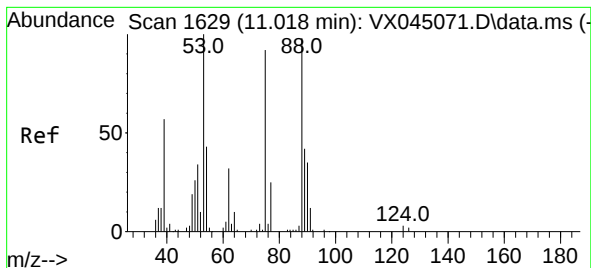
Tgt Ion: 75 Resp: 31985
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#80
1,3,5-Trimethylbenzene
Concen: 0.313 ug/l
RT: 11.616 min Scan# 1727
Delta R.T. 0.165 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 105 Resp: 1022
Ion Ratio Lower Upper
105 100
120 26.7 24.1 72.2

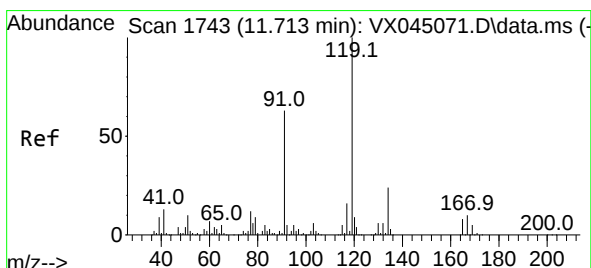
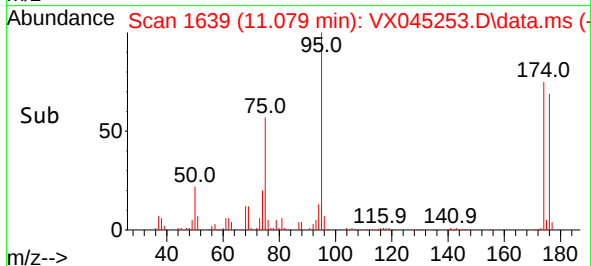
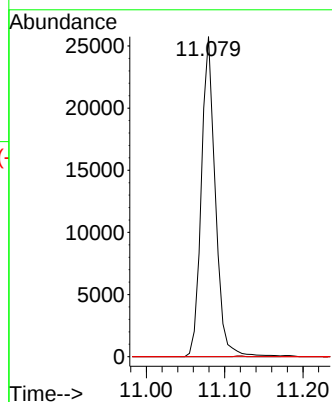
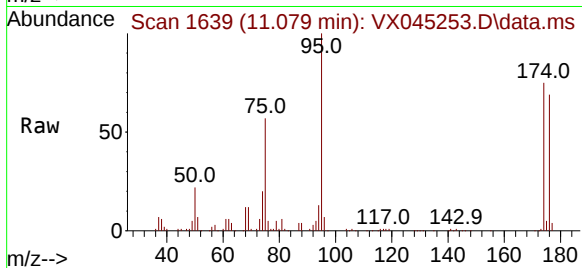




#81
trans-1,4-Dichloro-2-butene
Concen: 90.816 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

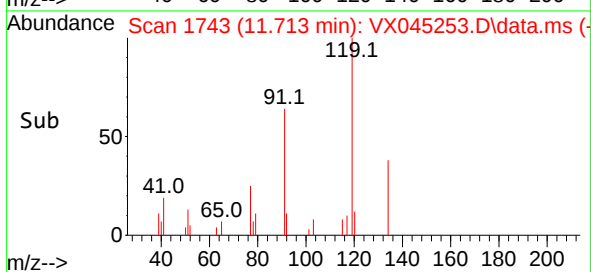
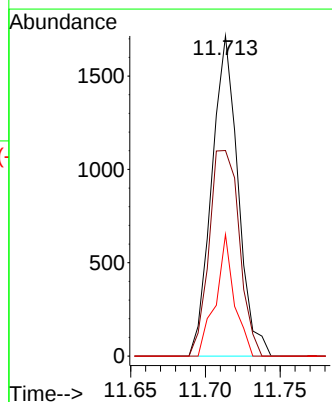
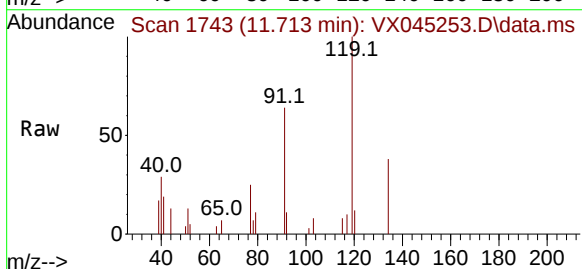
Instrument :
MSVOA_X
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

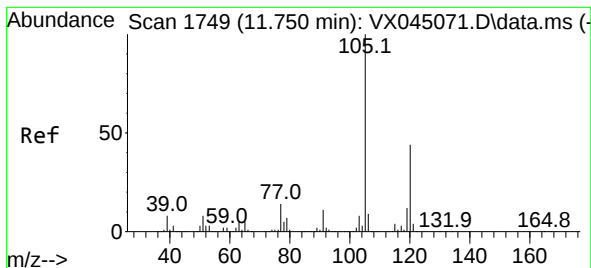
Tgt Ion: 75 Resp: 31985
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#83
tert-Butylbenzene
Concen: 0.624 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Tgt Ion: 119 Resp: 2097
Ion Ratio Lower Upper
119 100
91 73.6 30.7 92.1
134 26.8 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 0.311 ug/l

RT: 11.616 min Scan# 1727

Delta R.T. -0.134 min

Lab File: VX045253.D

Acq: 12 Mar 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

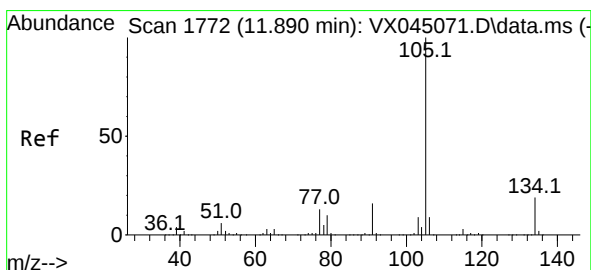
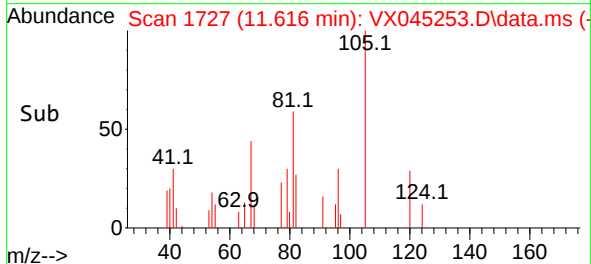
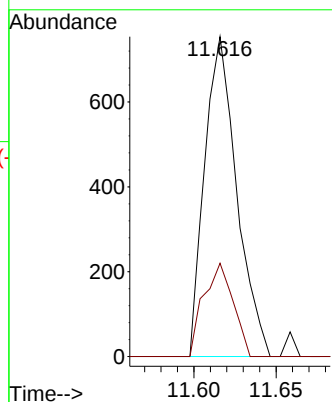
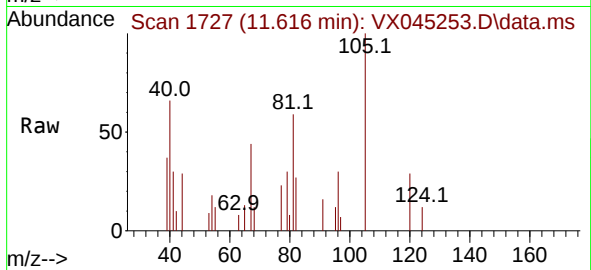
TAPIAL3-MW03D-031025-00-T1

Tgt Ion:105 Resp: 1022

Ion Ratio Lower Upper

105 100

120 26.7 22.1 66.1



#85

sec-Butylbenzene

Concen: 3.416 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX045253.D

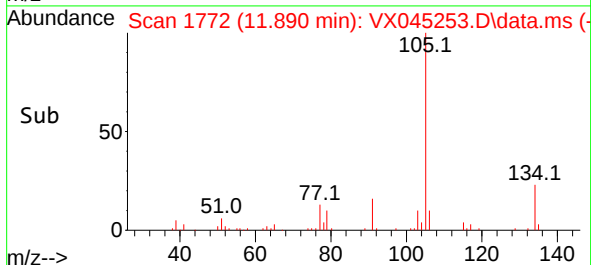
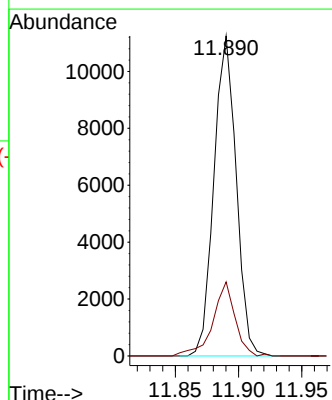
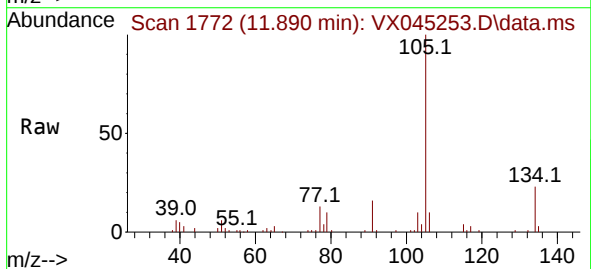
Acq: 12 Mar 2025 16:55

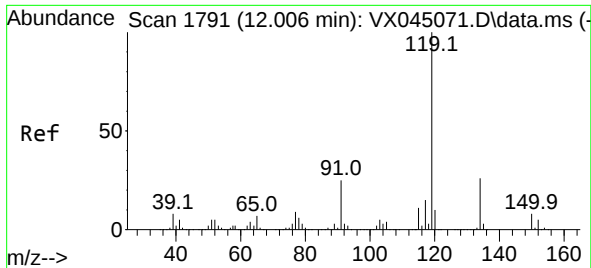
Tgt Ion:105 Resp: 13740

Ion Ratio Lower Upper

105 100

134 23.1 9.8 29.4





#86

p-Isopropyltoluene

Concen: 1.859 ug/l

RT: 12.177 min Scan# 119

Delta R.T. 0.171 min

Lab File: VX045253.D

Acq: 12 Mar 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

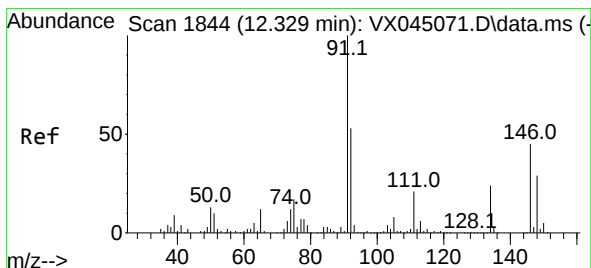
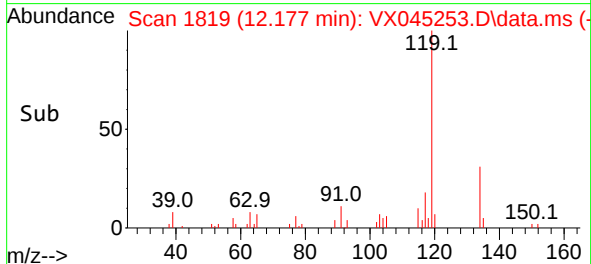
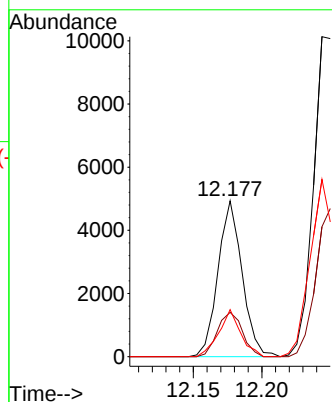
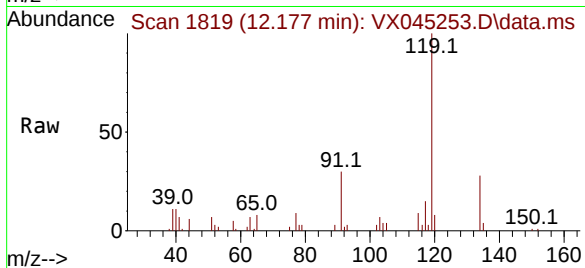
Tgt Ion:119 Resp: 6042

Ion Ratio Lower Upper

119 100

134 29.4 12.9 38.6

91 27.4 12.7 38.0



#89

n-Butylbenzene

Concen: 0.752 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.018 min

Lab File: VX045253.D

Acq: 12 Mar 2025 16:55

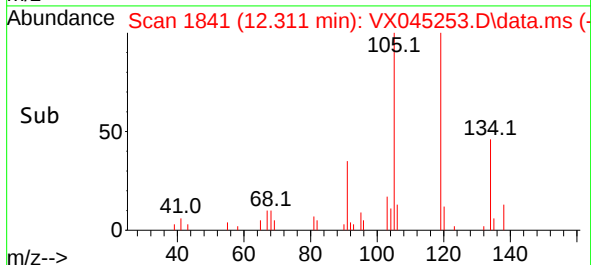
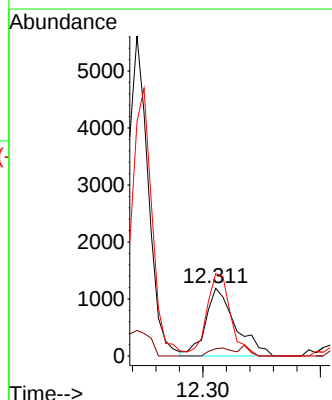
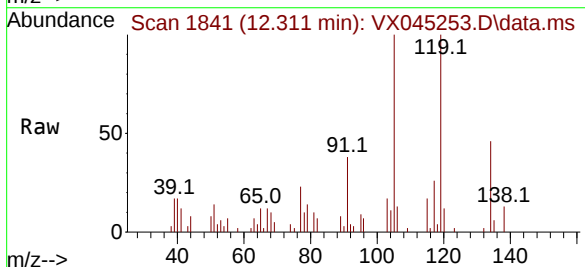
Tgt Ion: 91 Resp: 2104

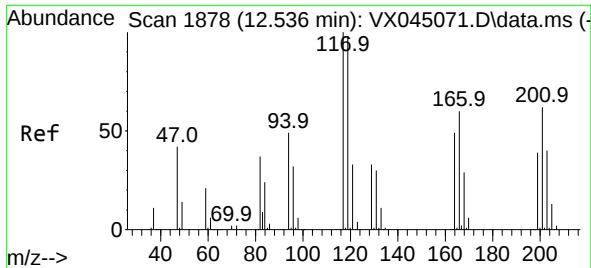
Ion Ratio Lower Upper

91 100

92 9.1 26.7 80.0#

134 96.3 12.2 36.6#





#90
Hexachloroethane
Concen: 15.673 ug/l
RT: 12.646 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX045253.D
Acq: 12 Mar 2025 16:55

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:117 Resp: 9215
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#

