

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046303.D
 Acq On : 21 May 2025 17:25
 Operator : JC/MD
 Sample : Q2096-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50684

Quant Time: May 22 04:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

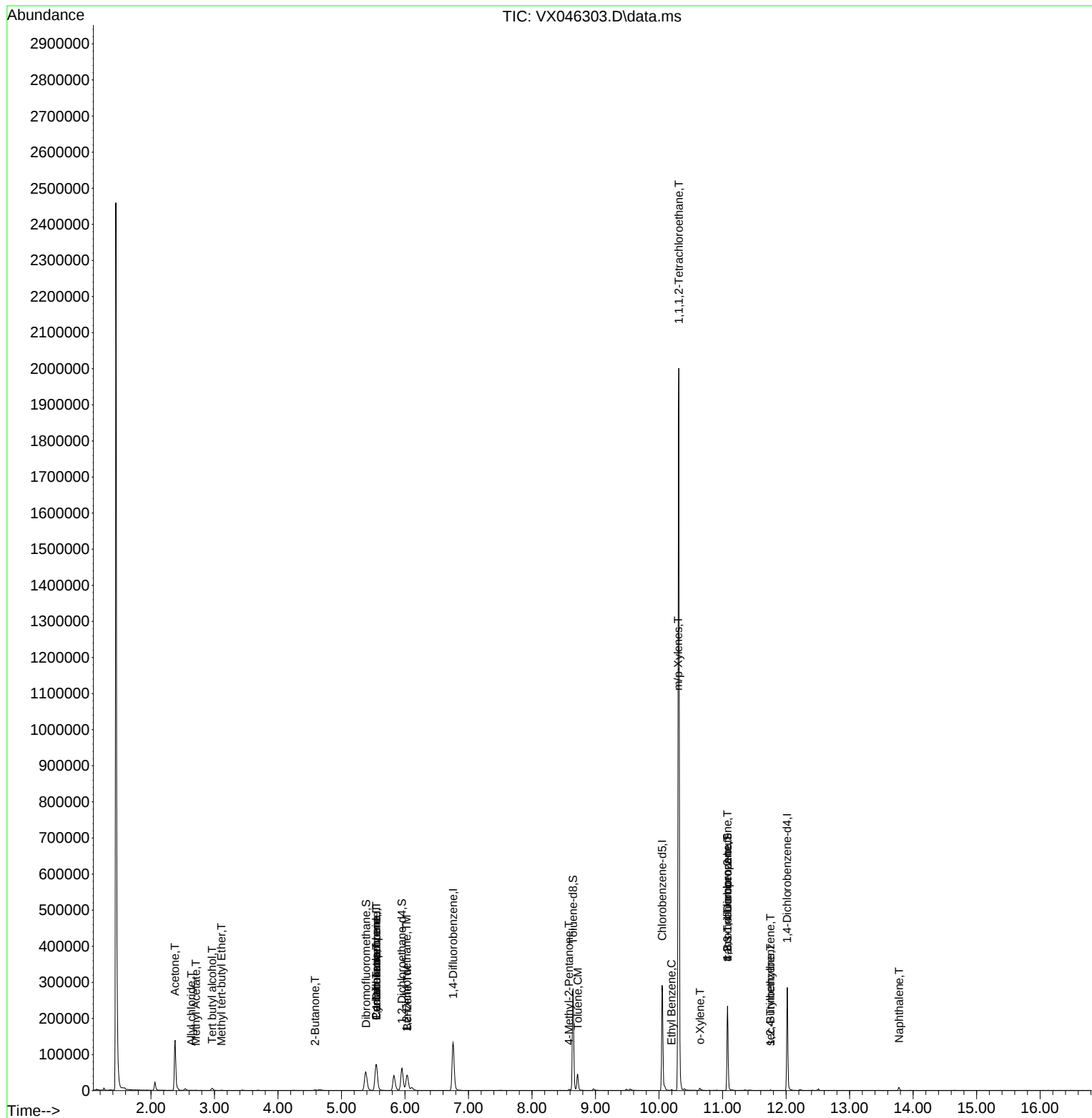
Internal Standards						
1) Pentafluorobenzene	5.550	168	61373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125922	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62101	54.275	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.560%	
35) Dibromofluoromethane	5.385	113	44869	49.482	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.960%	
50) Toluene-d8	8.647	98	155911	49.678	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	11.079	95	62344	51.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	4043	25.173	ug/l #	83
14) Allyl chloride	2.636	41	673	0.484	ug/l #	21
16) Acetone	2.380	43	148189	323.016	ug/l	99
18) Methyl Acetate	2.709	43	772	0.725	ug/l #	77
19) Methyl tert-butyl Ether	3.111	73	537	0.210	ug/l #	54
25) 2-Butanone	4.586	43	3923	5.890	ug/l #	85
31) Cyclohexane	5.550	56	1885	1.382	ug/l #	60
36) 1,1-Dichloropropene	5.550	75	6291	5.164	ug/l #	47
38) Carbon Tetrachloride	5.550	117	7403	5.408	ug/l #	19
40) Benzene	6.037	78	50807	14.237	ug/l	99
42) 1,2-Dichloroethane	6.025	62	339	0.220	ug/l #	78
51) 4-Methyl-2-Pentanone	8.580	43	473	0.310	ug/l #	39
52) Toluene	8.720	92	17328	7.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.311	131	1212	1.366	ug/l #	9
67) Ethyl Benzene	10.195	91	1762	0.385	ug/l	97
68) m/p-Xylenes	10.299	106	2834	1.691	ug/l	99
69) o-Xylene	10.646	106	1217	0.745	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	35746	29.189	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35746	95.031	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	888	0.265	ug/l	93
85) sec-Butylbenzene	11.756	105	888	0.217	ug/l #	57
95) Naphthalene	13.780	128	6410	1.807	ug/l #	95

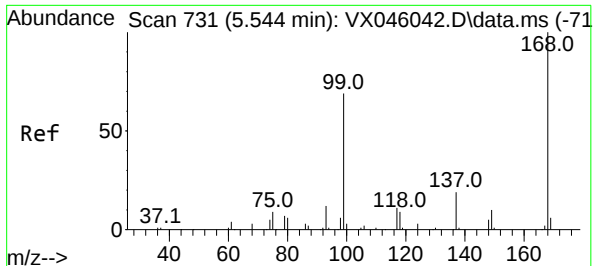
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

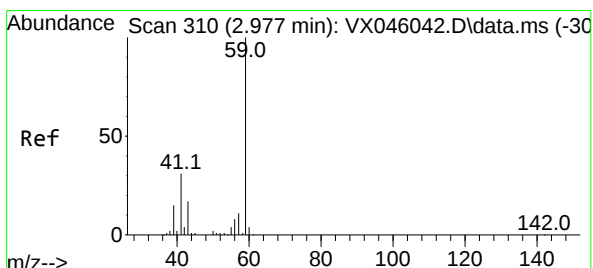
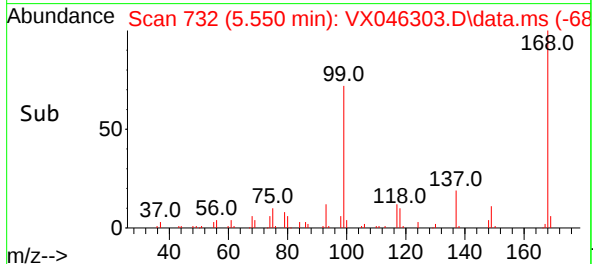
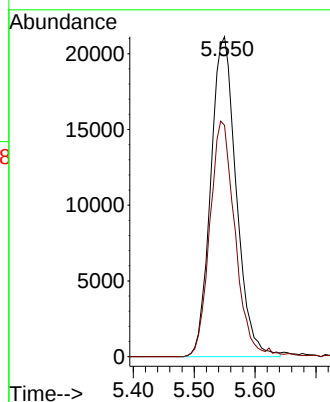
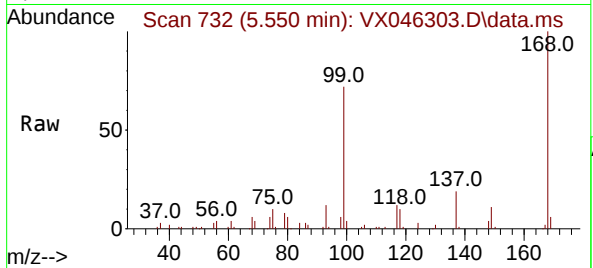




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

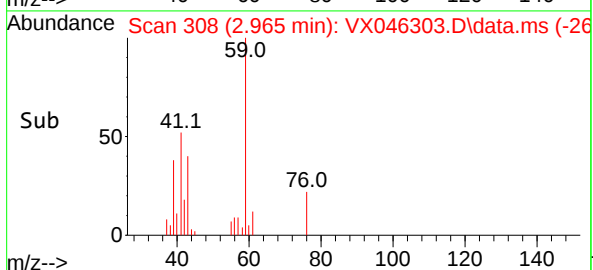
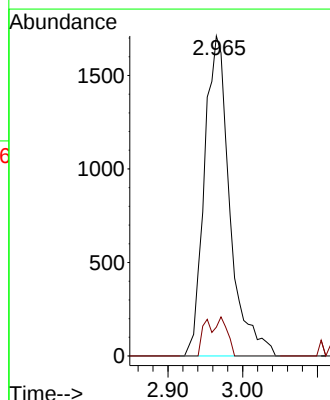
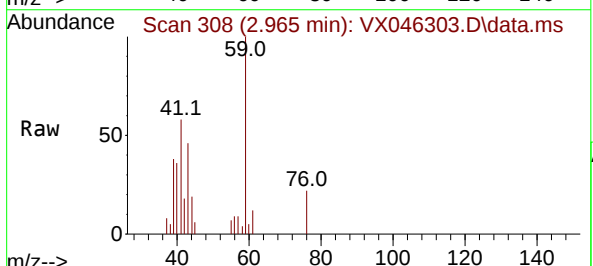
Instrument :
MSVOA_X
ClientSampleId :
50684

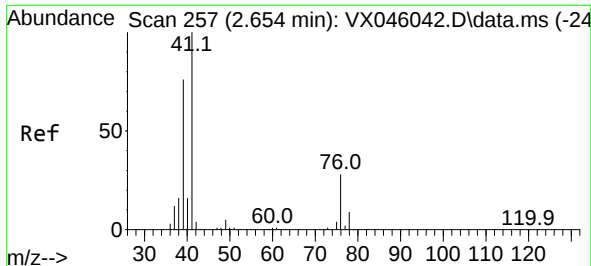
Tgt Ion:168 Resp: 61373
Ion Ratio Lower Upper
168 100
99 72.3 54.9 82.3



#11
Tert butyl alcohol
Concen: 25.173 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion: 59 Resp: 4043
Ion Ratio Lower Upper
59 100
57 4.4 8.6 12.8#

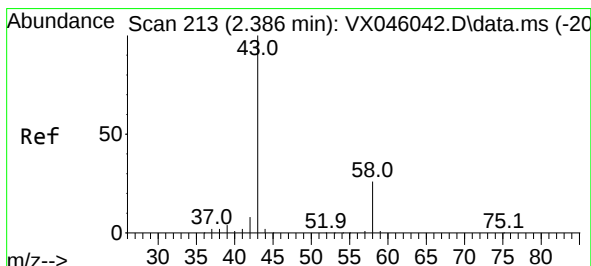
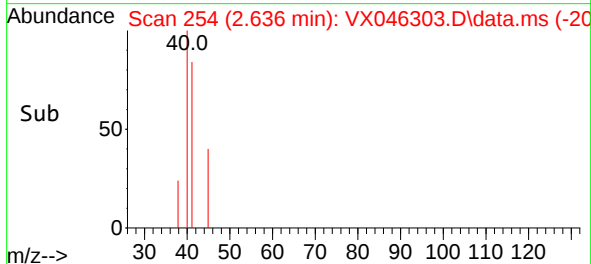
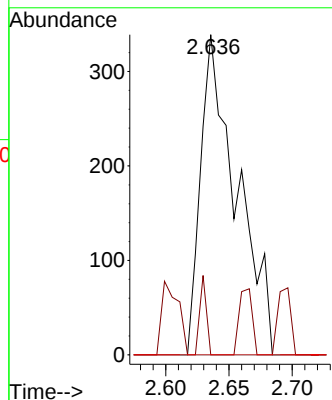
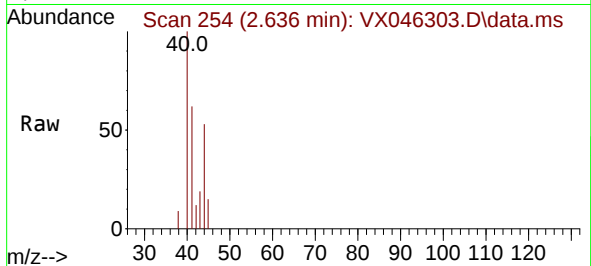




#14
 Allyl chloride
 Concen: 0.484 ug/l
 RT: 2.636 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

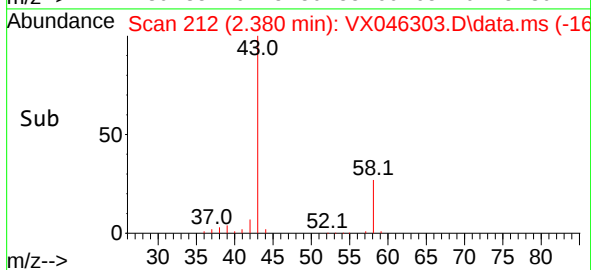
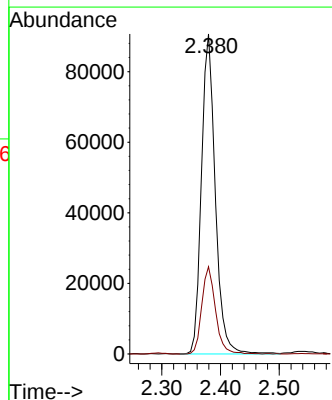
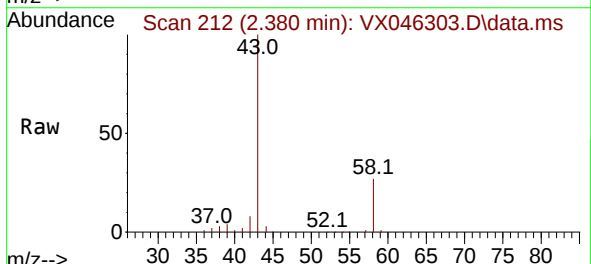
Instrument :
 MSVOA_X
 ClientSampleId :
 50684

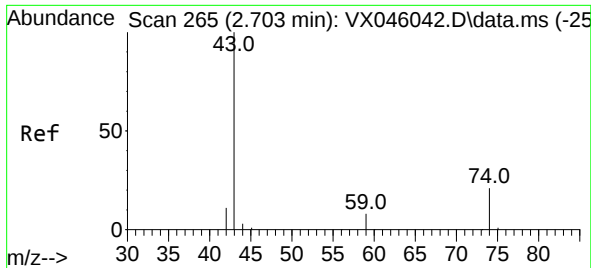
Tgt Ion: 41 Resp: 673
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 323.016 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

Tgt Ion: 43 Resp: 148189
 Ion Ratio Lower Upper
 43 100
 58 27.2 21.2 31.8

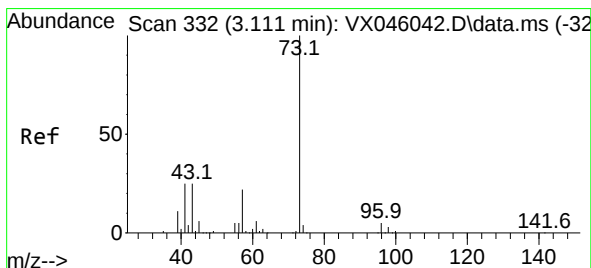
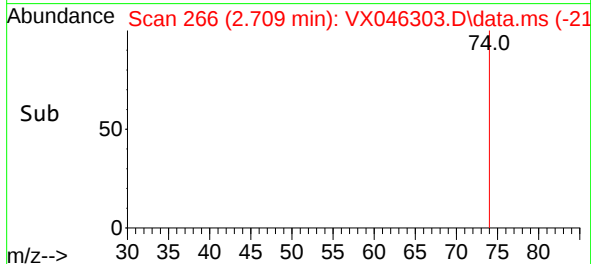
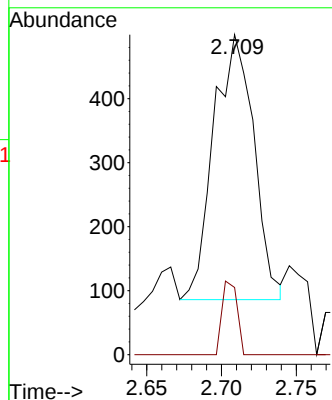
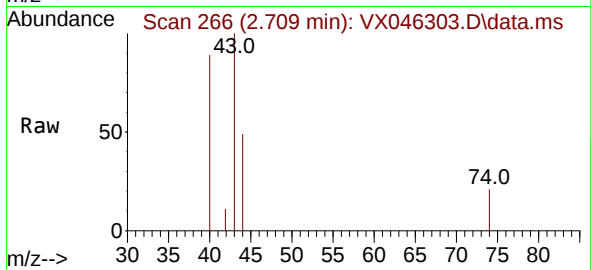




#18
Methyl Acetate
Concen: 0.725 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

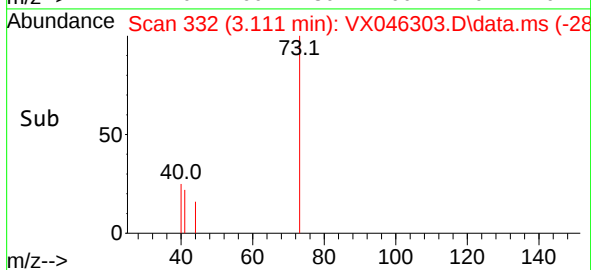
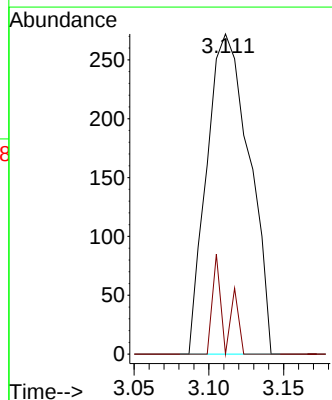
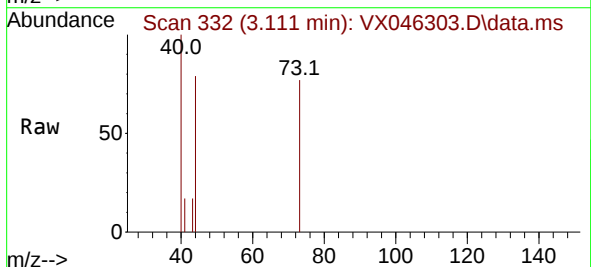
Instrument :
MSVOA_X
ClientSampleId :
50684

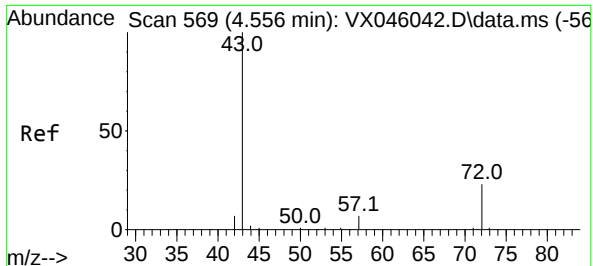
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
74 10.4 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: 0.210 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion: 73 Resp: 537
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#





#25

2-Butanone

Concen: 5.890 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

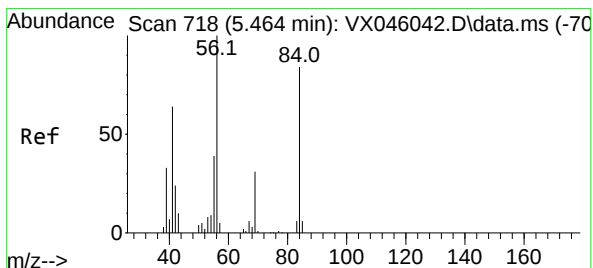
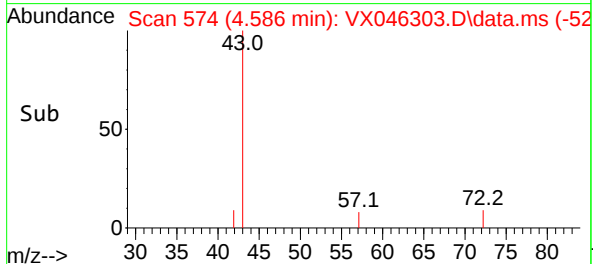
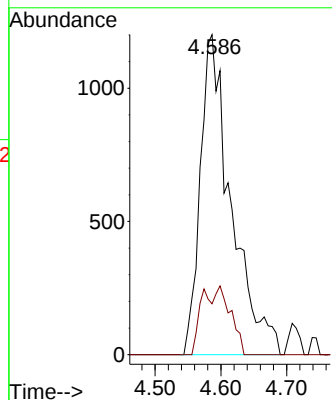
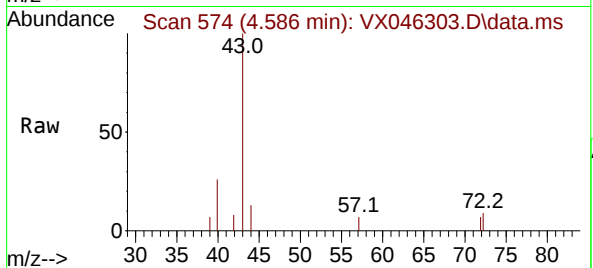
50684

Tgt Ion: 43 Resp: 3923

Ion Ratio Lower Upper

43 100

72 15.9 18.4 27.6#



#31

Cyclohexane

Concen: 1.382 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

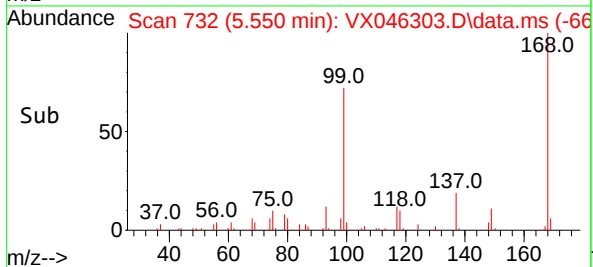
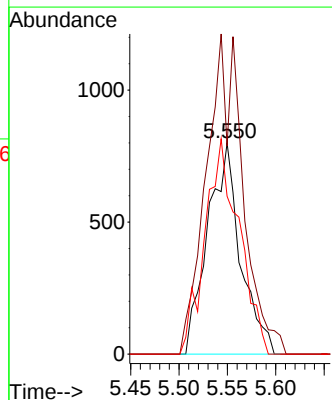
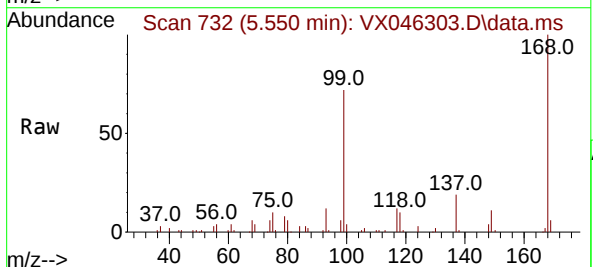
Tgt Ion: 56 Resp: 1885

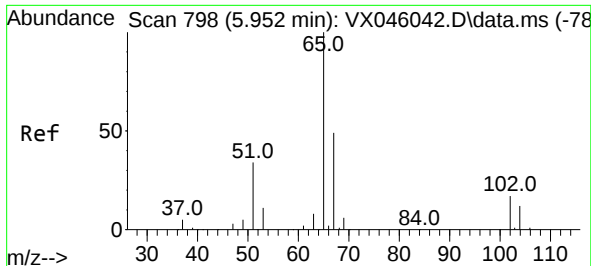
Ion Ratio Lower Upper

56 100

69 98.5 24.4 36.6#

84 74.8 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.275 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

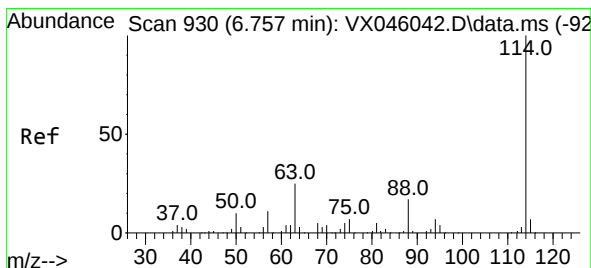
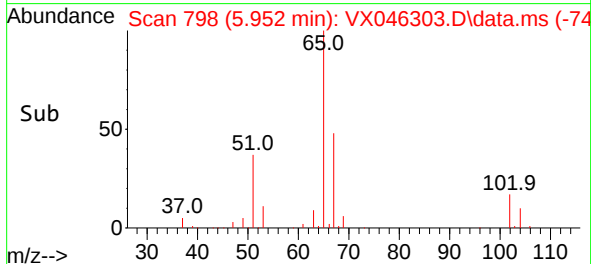
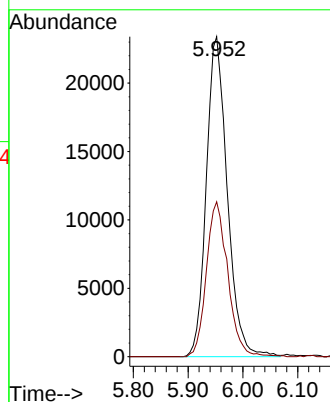
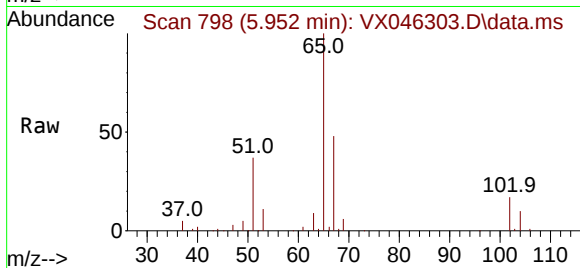
50684

Tgt Ion: 65 Resp: 62101

Ion Ratio Lower Upper

65 100

67 49.4 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: VX046303.D

Acq: 21 May 2025 17:25

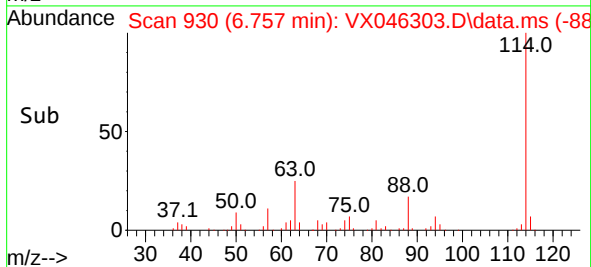
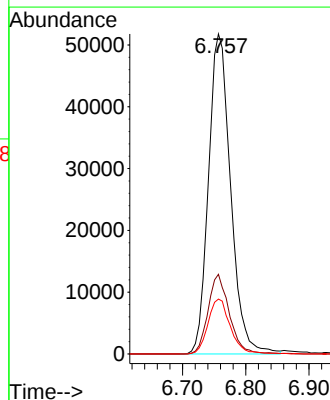
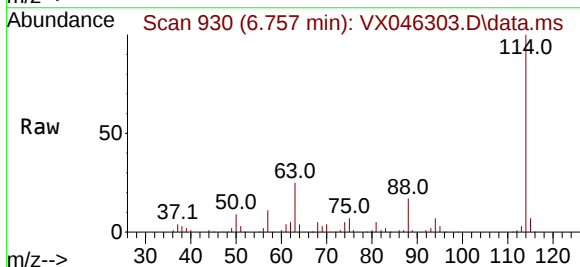
Tgt Ion: 114 Resp: 125922

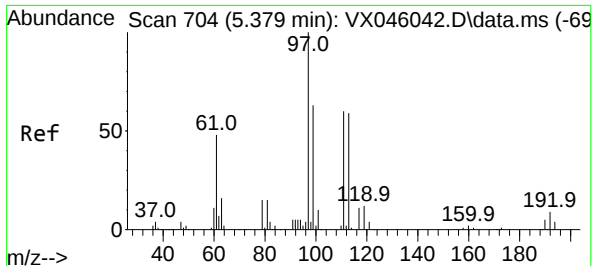
Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

88 17.1 0.0 33.6

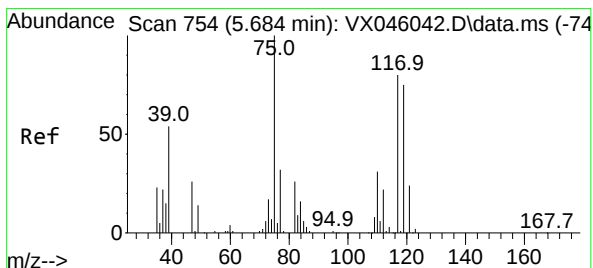
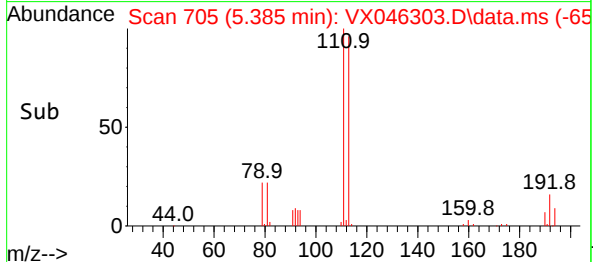
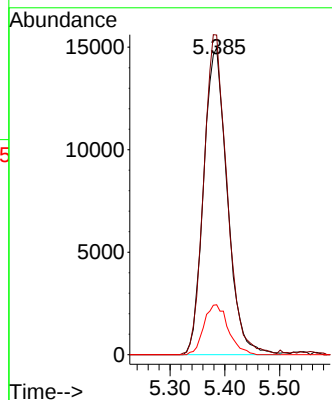
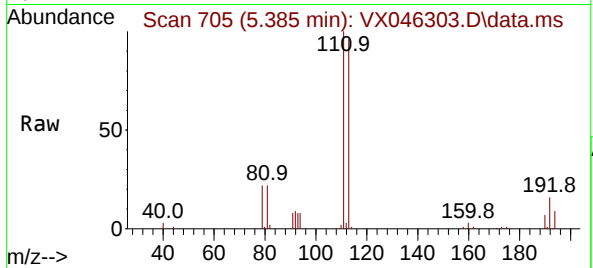




#35
Dibromofluoromethane
Concen: 49.482 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

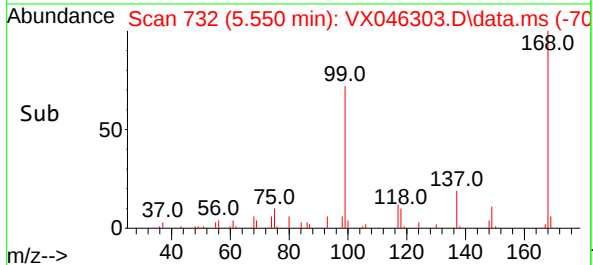
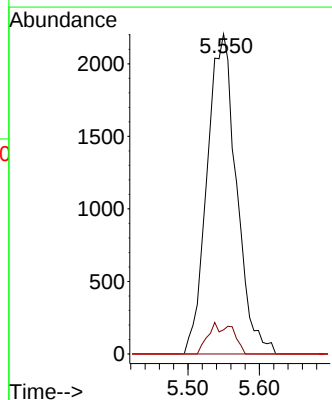
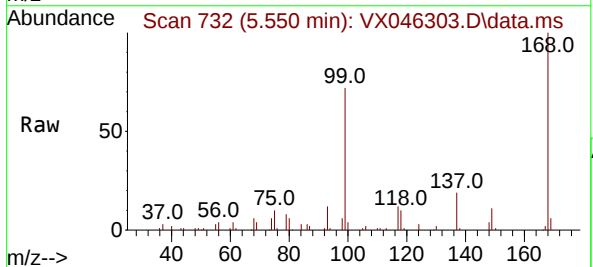
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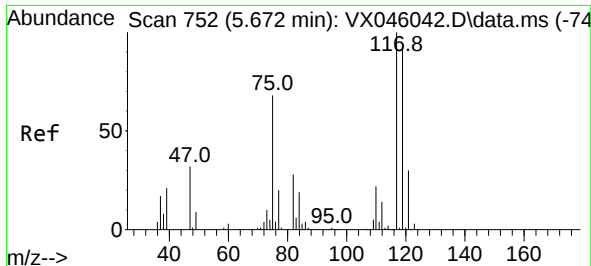
Tgt Ion:113 Resp: 44869
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.164 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

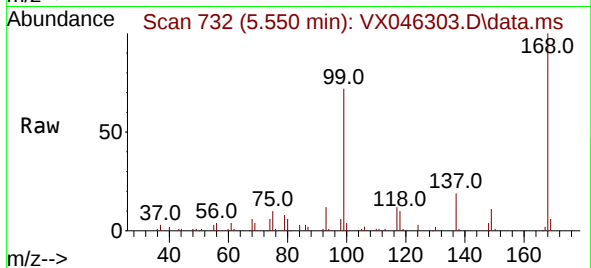
Tgt Ion: 75 Resp: 6291
Ion Ratio Lower Upper
75 100
110 4.0 16.3 48.9#
77 0.0 24.3 36.5#



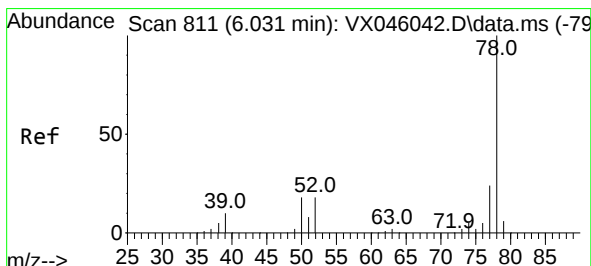
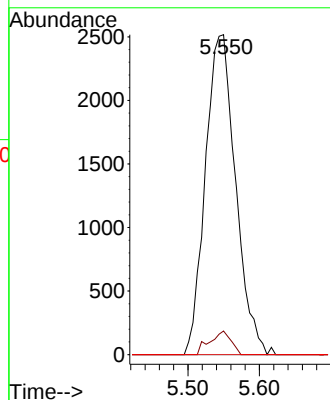
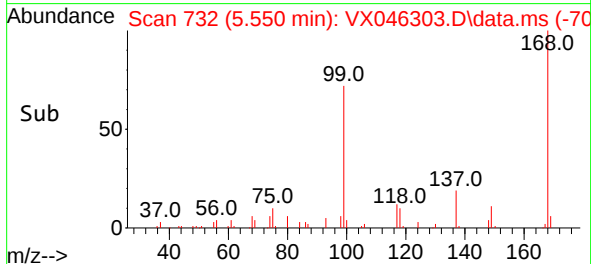


#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
50684

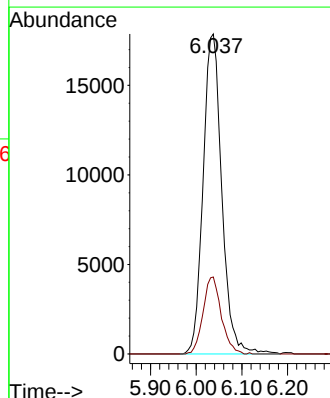
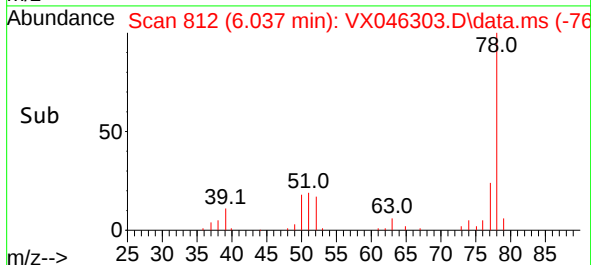
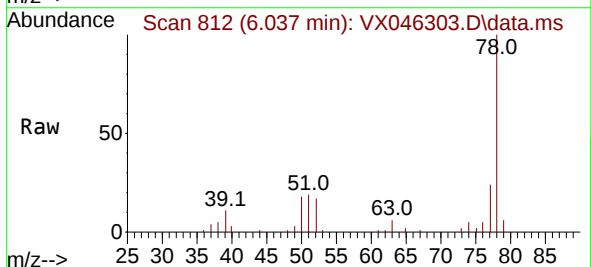


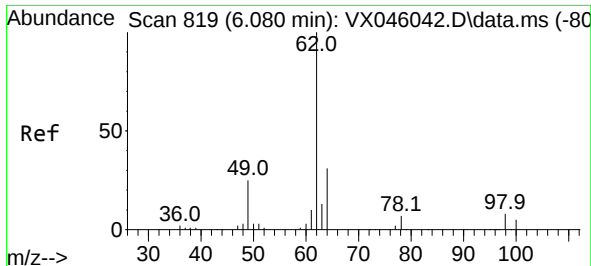
Tgt Ion:117 Resp: 7403
Ion Ratio Lower Upper
117 100
119 7.4 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 14.237 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion: 78 Resp: 50807
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.220 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.055 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

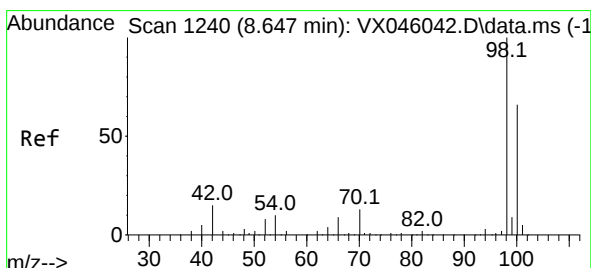
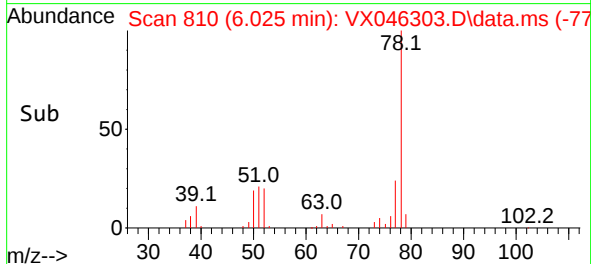
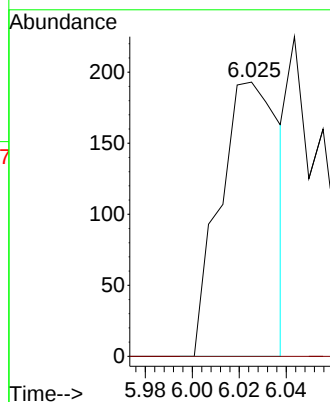
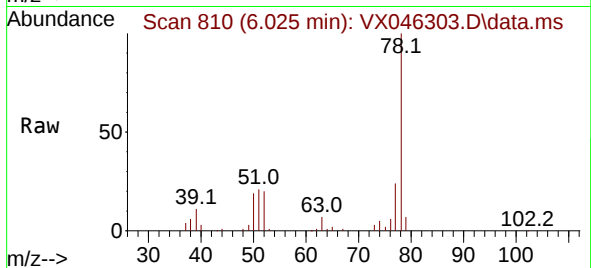
50684

Tgt Ion: 62 Resp: 339

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.2



#50

Toluene-d8

Concen: 49.678 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046303.D

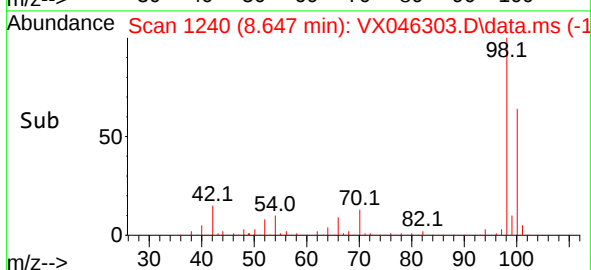
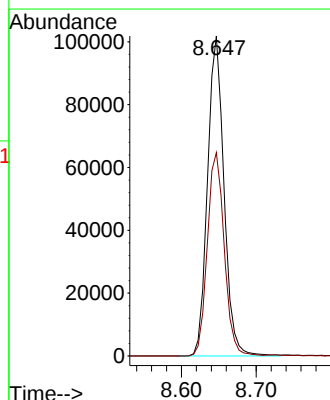
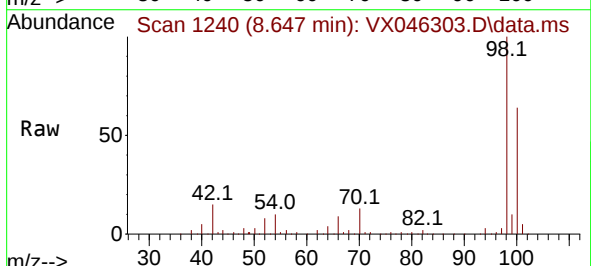
Acq: 21 May 2025 17:25

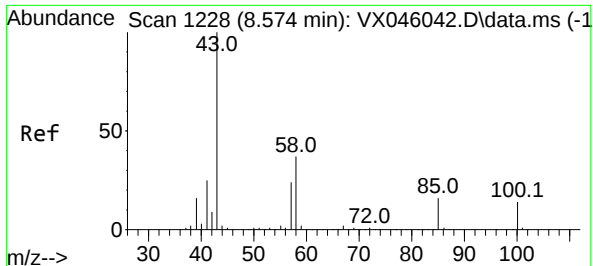
Tgt Ion: 98 Resp: 155911

Ion Ratio Lower Upper

98 100

100 65.1 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 0.310 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

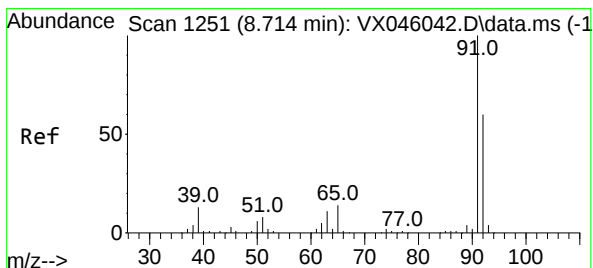
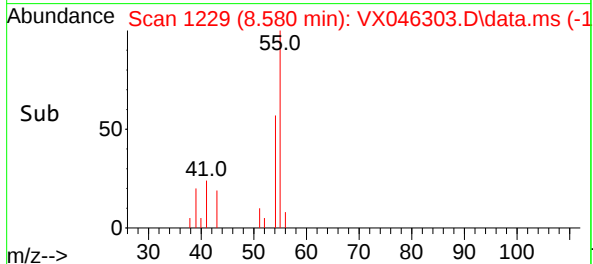
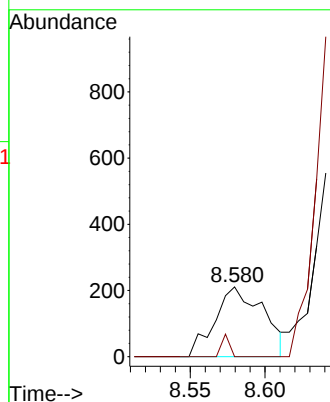
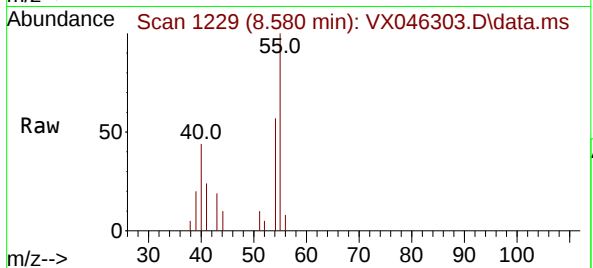
50684

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 0.0 28.9 43.3#



#52

Toluene

Concen: 7.919 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX046303.D

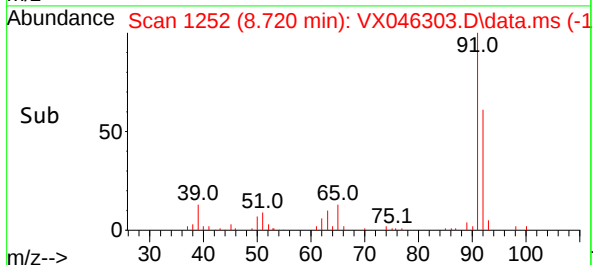
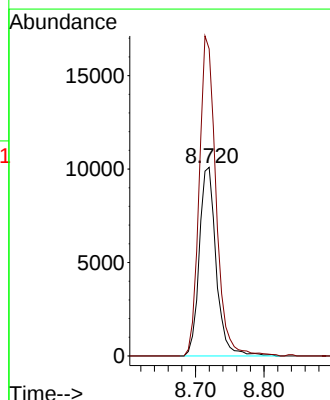
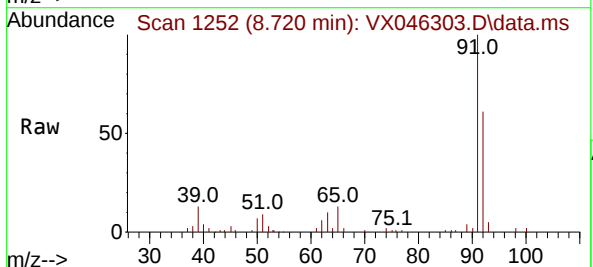
Acq: 21 May 2025 17:25

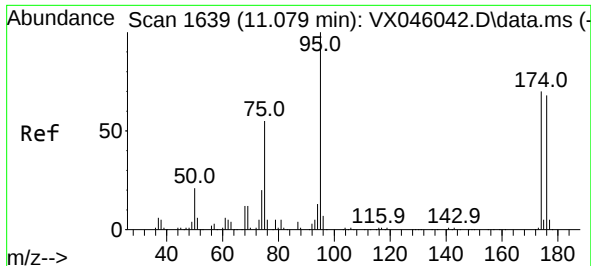
Tgt Ion: 92 Resp: 17328

Ion Ratio Lower Upper

92 100

91 169.0 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 51.786 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046303.D

Acq: 21 May 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

50684

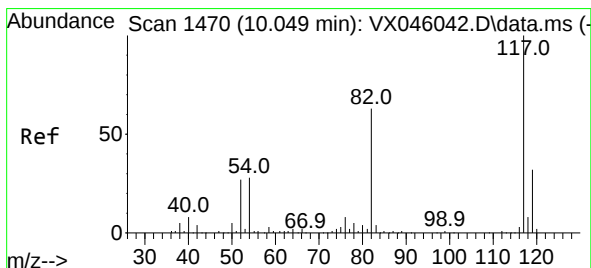
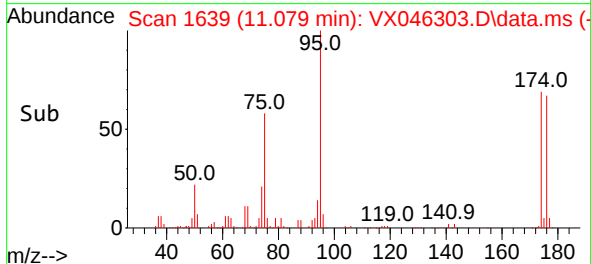
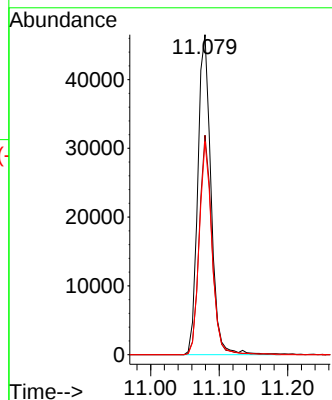
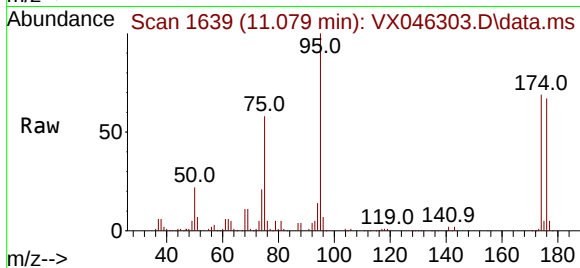
Tgt Ion: 95 Resp: 62344

Ion Ratio Lower Upper

95 100

174 65.8 0.0 135.8

176 63.9 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: VX046303.D

Acq: 21 May 2025 17:25

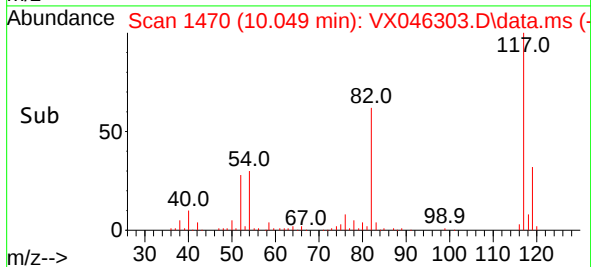
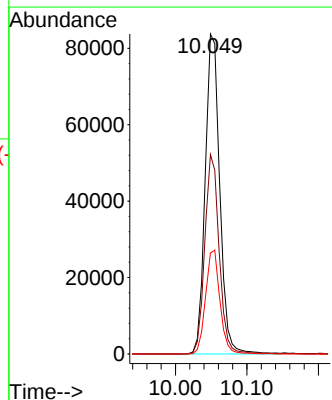
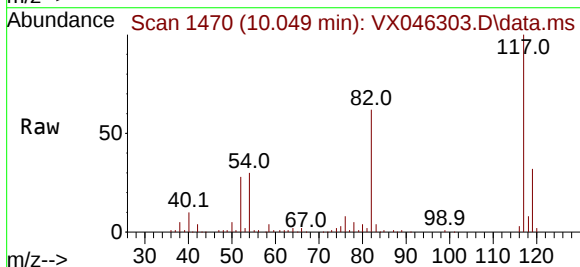
Tgt Ion: 117 Resp: 118738

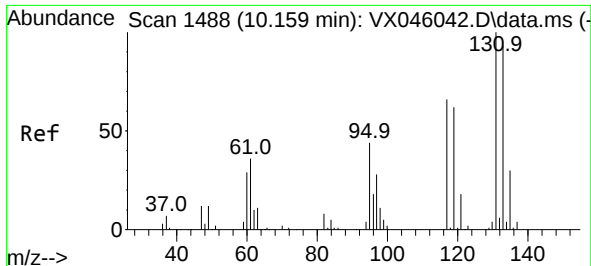
Ion Ratio Lower Upper

117 100

82 62.3 50.6 76.0

119 31.6 25.8 38.6

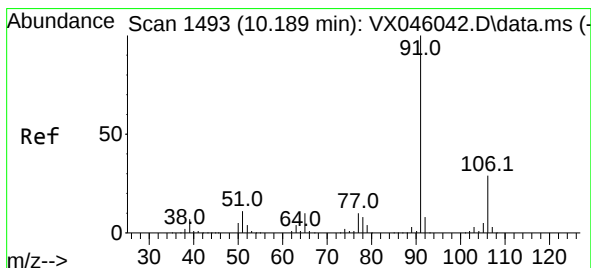
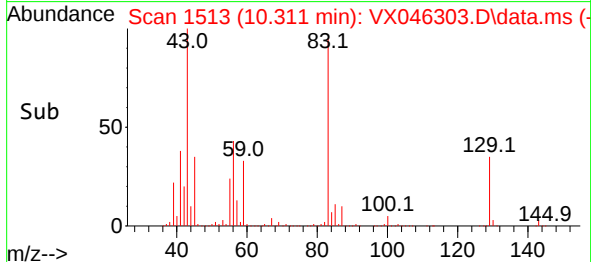
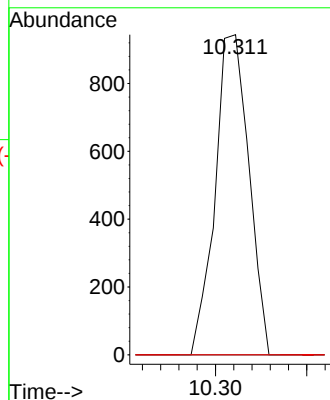
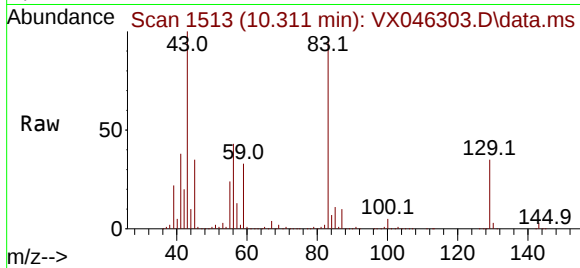




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.366 ug/l
 RT: 10.311 min Scan# 11
 Delta R.T. 0.152 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

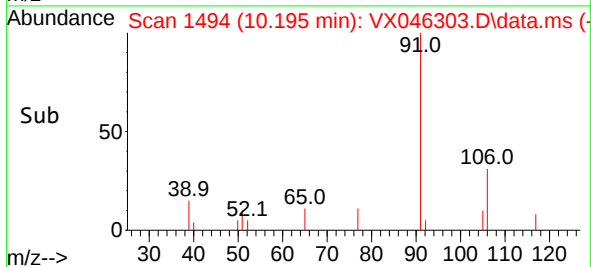
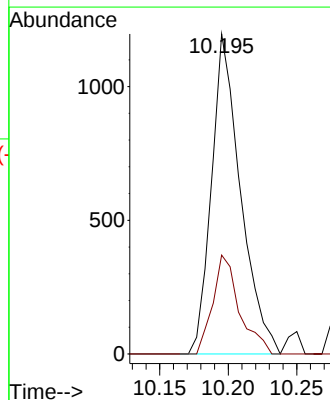
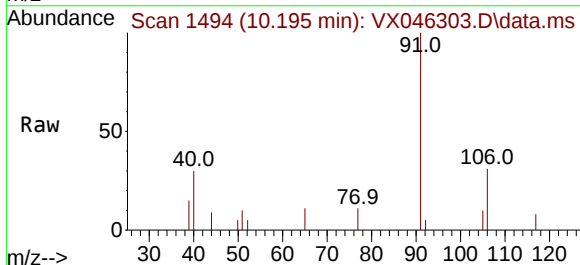
Instrument :
 MSVOA_X
 ClientSampleId :
 50684

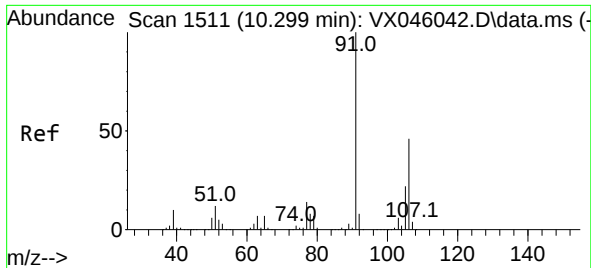
Tgt Ion:131 Resp: 1212
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.3 141.9#
 119 0.0 31.6 95.0#



#67
 Ethyl Benzene
 Concen: 0.385 ug/l
 RT: 10.195 min Scan# 1494
 Delta R.T. 0.006 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

Tgt Ion: 91 Resp: 1762
 Ion Ratio Lower Upper
 91 100
 106 30.9 23.4 35.2

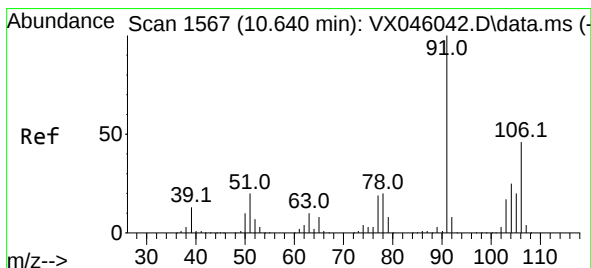
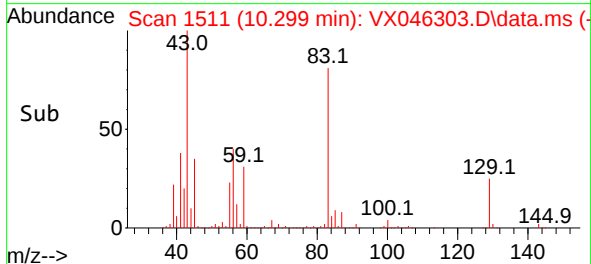
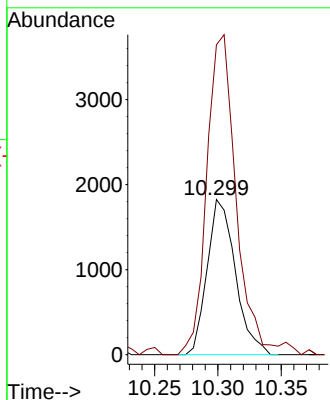
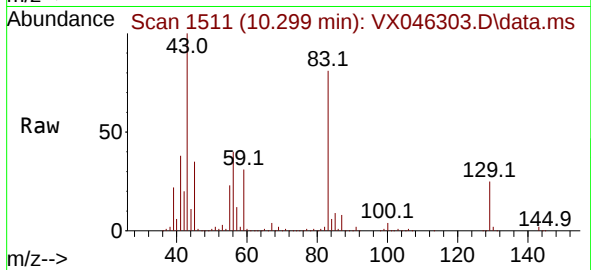




#68
m/p-Xylenes
Concen: 1.691 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

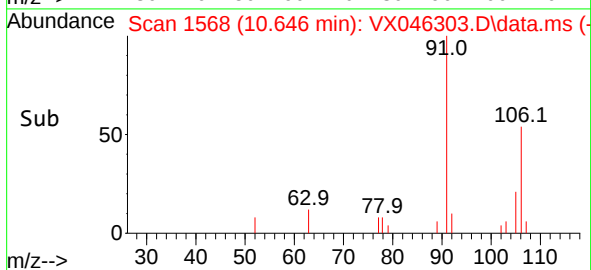
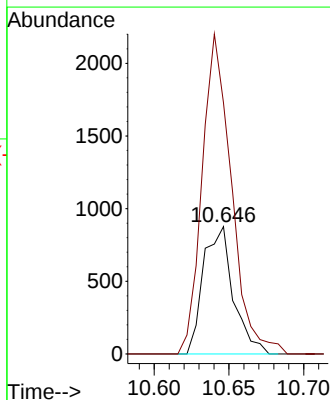
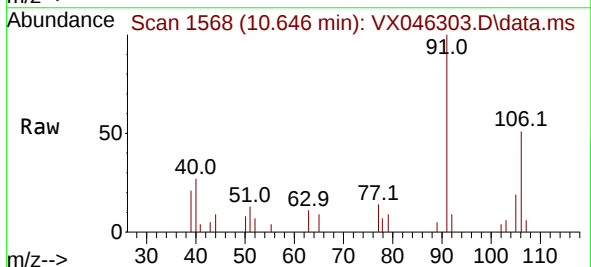
Instrument :
MSVOA_X
ClientSampleId :
50684

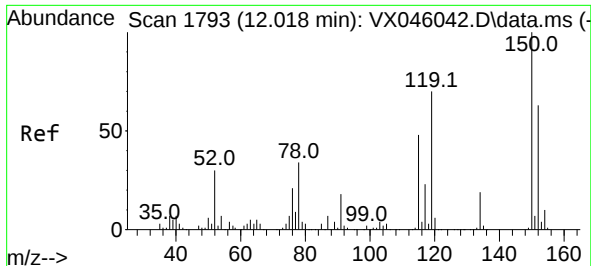
Tgt Ion:106 Resp: 2834
Ion Ratio Lower Upper
106 100
91 216.2 171.2 256.8



#69
o-Xylene
Concen: 0.745 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion:106 Resp: 1217
Ion Ratio Lower Upper
106 100
91 246.8 112.7 338.1

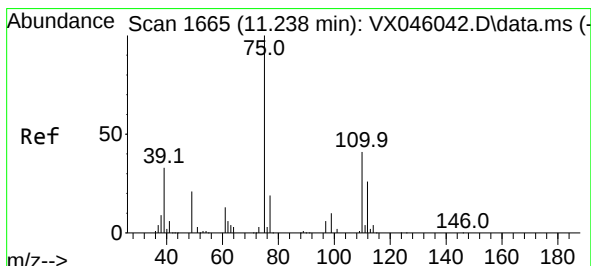
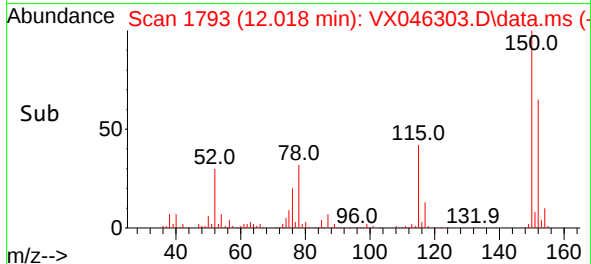
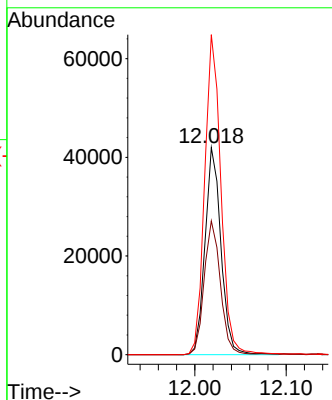
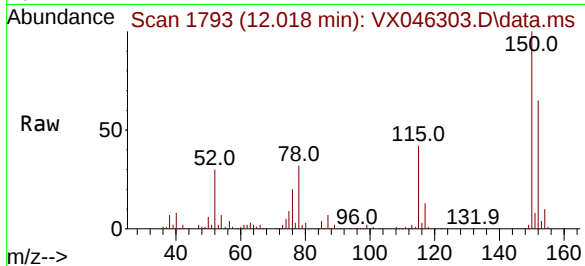




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

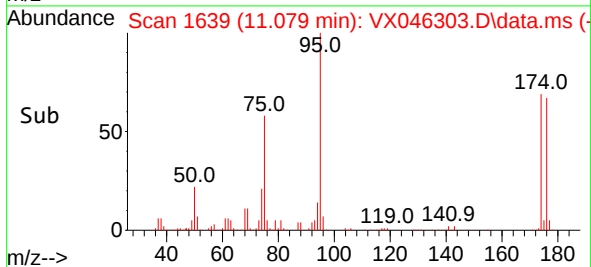
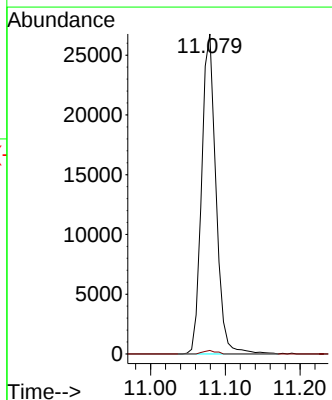
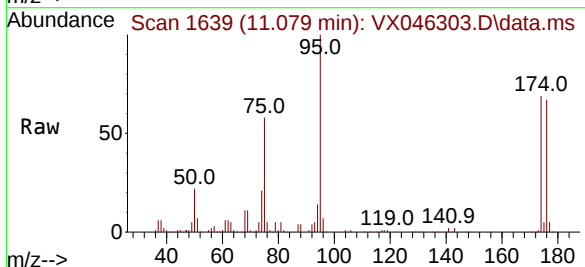
Instrument :
 MSVOA_X
 ClientSampleId :
 50684

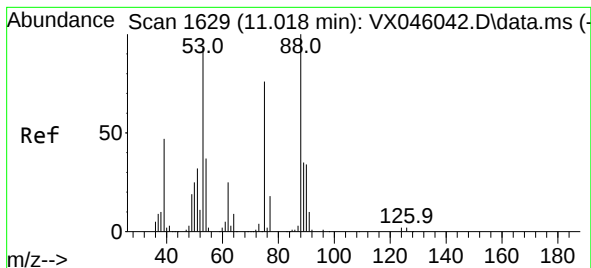
Tgt Ion:152 Resp: 50877
 Ion Ratio Lower Upper
 152 100
 115 65.9 46.9 140.7
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.189 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046303.D
 Acq: 21 May 2025 17:25

Tgt Ion: 75 Resp: 35746
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

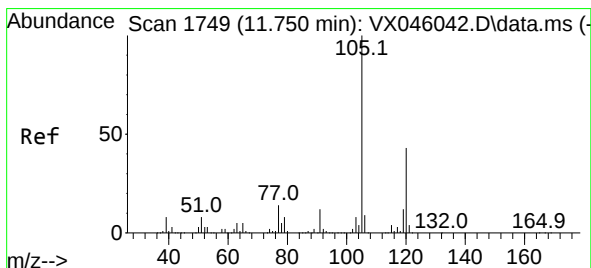
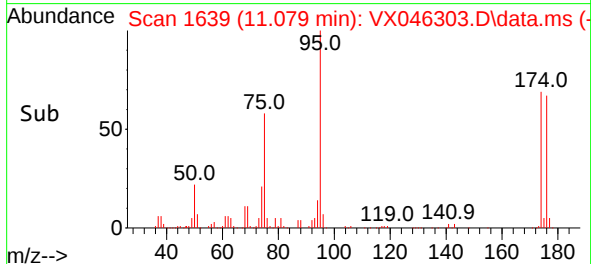
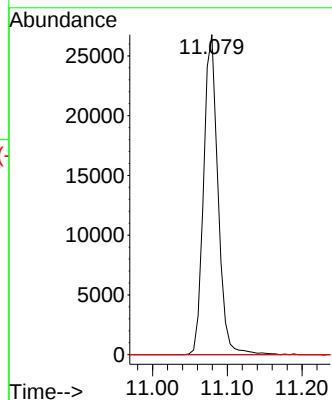
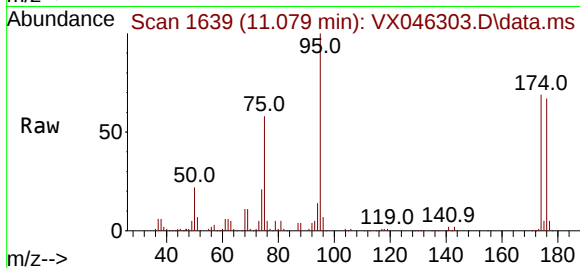




#81
trans-1,4-Dichloro-2-butene
Concen: 95.031 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

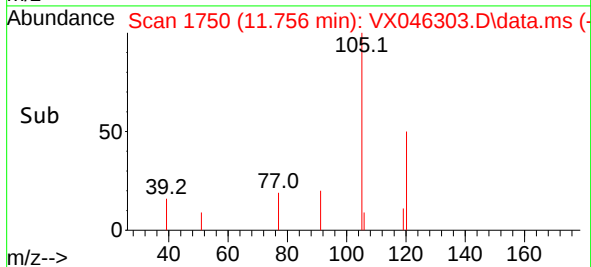
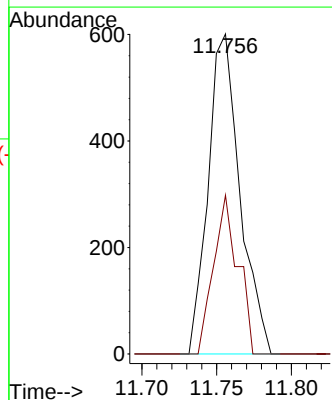
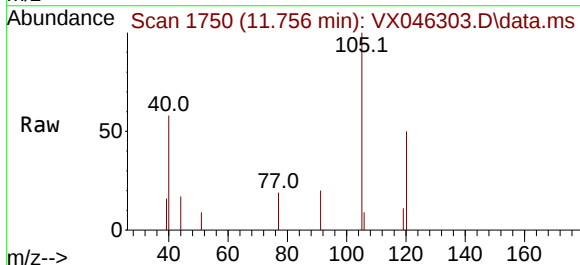
Instrument :
MSVOA_X
ClientSampleId :
50684

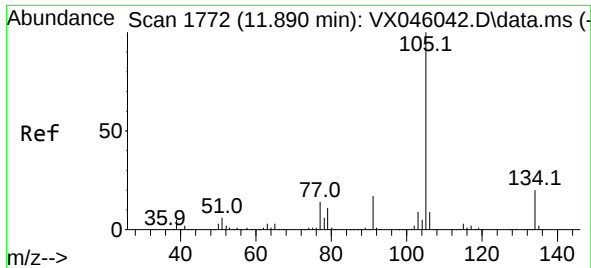
Tgt Ion: 75 Resp: 35746
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.265 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion: 105 Resp: 888
Ion Ratio Lower Upper
105 100
120 38.0 21.2 63.6

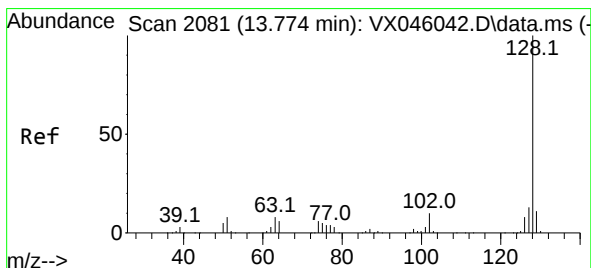
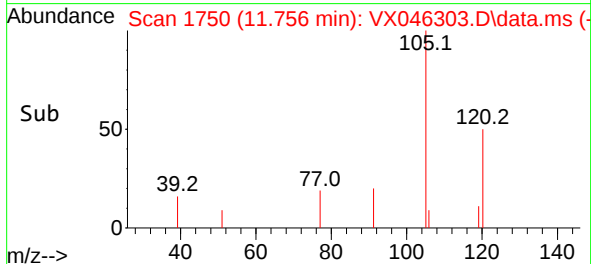
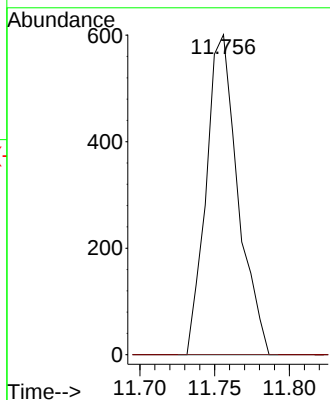
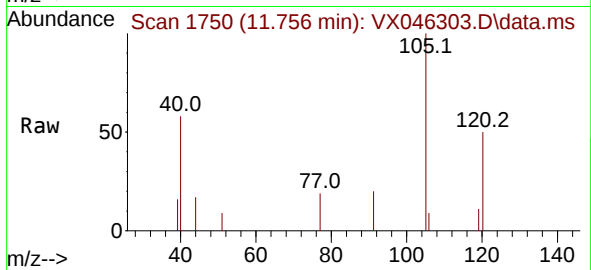




#85
sec-Butylbenzene
Concen: 0.217 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
50684

Tgt Ion:105 Resp: 888
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#



#95
Naphthalene
Concen: 1.807 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046303.D
Acq: 21 May 2025 17:25

Tgt Ion:128 Resp: 6410
Ion Ratio Lower Upper
128 100
127 10.3 10.4 15.6#
129 9.5 8.6 13.0

