

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046818.D
 Acq On : 23 Jun 2025 14:28
 Operator : JC/MD
 Sample : Q2371-05 40X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025

Quant Time: Jun 24 04:07:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

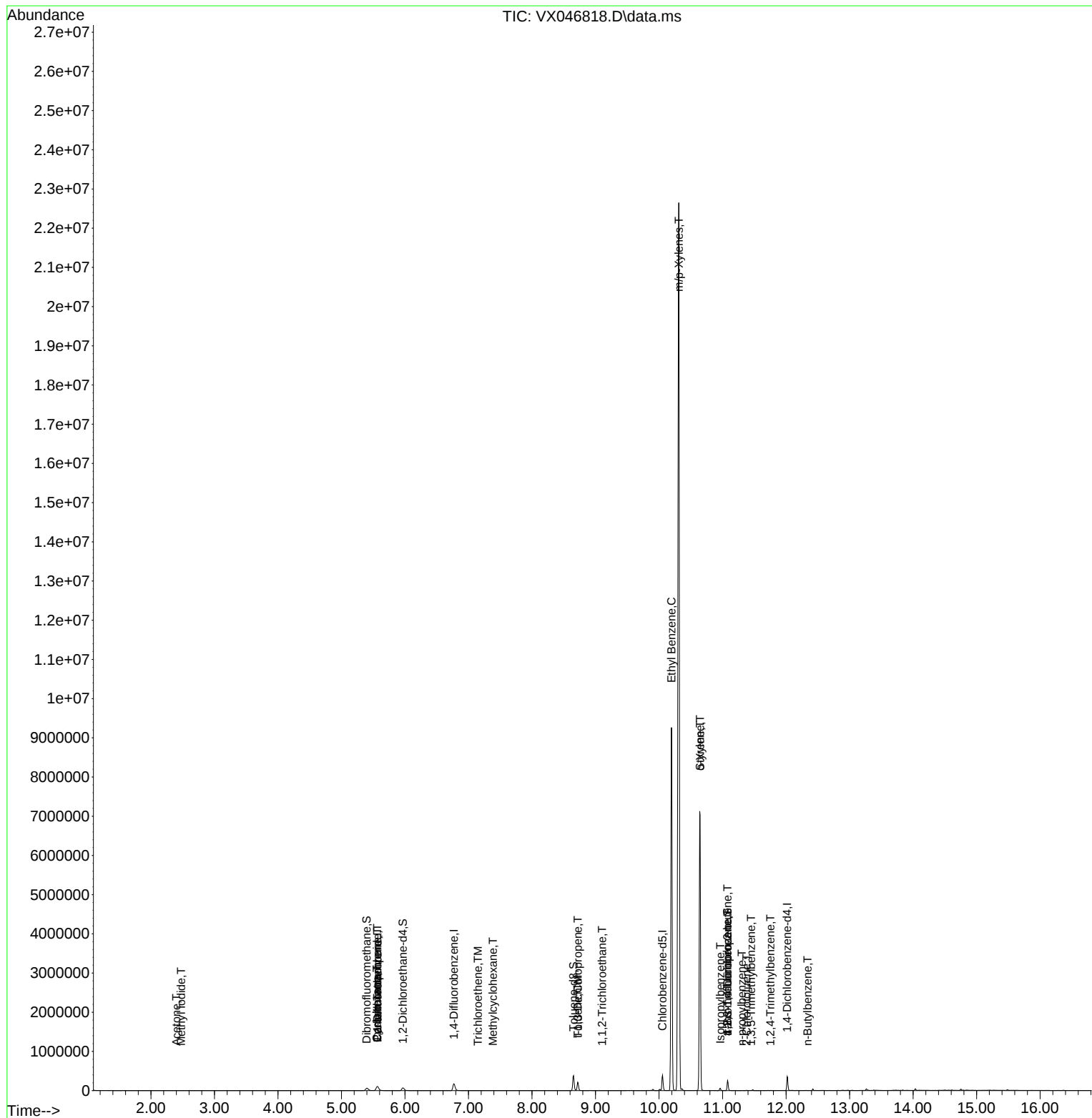
Internal Standards						
1) Pentafluorobenzene	5.568	168	111553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	195304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	75849	49.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	5.397	113	61849	47.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	231547	49.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	69498	40.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.320%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.477	142	311	4.511	ug/l #	75
16) Acetone	2.398	43	391	0.760	ug/l #	44
31) Cyclohexane	5.556	56	2421	1.048	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	8785	4.710	ug/l #	51
38) Carbon Tetrachloride	5.562	117	11516	5.689	ug/l #	17
39) Methylcyclohexane	7.385	83	530	0.216	ug/l #	73
44) Trichloroethene	7.147	130	481	0.342	ug/l	92
52) Toluene	8.720	92	84079	24.568	ug/l	100
53) t-1,3-Dichloropropene	8.720	75	1020	0.548	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	360	0.282	ug/l #	15
67) Ethyl Benzene	10.195	91	5327342	779.902	ug/l	96
68) m/p-Xylenes	10.311	106	6022463	2366.194	ug/l	90
69) o-Xylene	10.646	106	1591863	667.362	ug/l	96
70) Styrene	10.646	104	78610	18.832	ug/l #	1
73) Isopropylbenzene	10.963	105	33749	6.189	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	35243	25.990	ug/l #	42
78) n-propylbenzene	11.305	91	2505	0.387	ug/l	95
79) 2-Chlorotoluene	11.378	91	874	0.226	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	1482	0.331	ug/l	81
81) trans-1,4-Dichloro-2-b...	11.079	75	35243	73.463	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105	2879	0.639	ug/l	100
89) n-Butylbenzene	12.341	91	1135	0.242	ug/l #	57

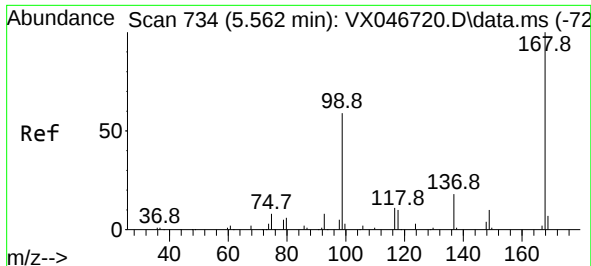
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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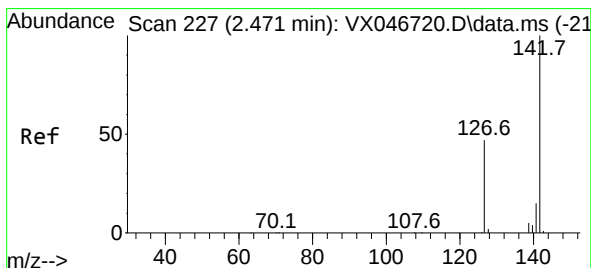
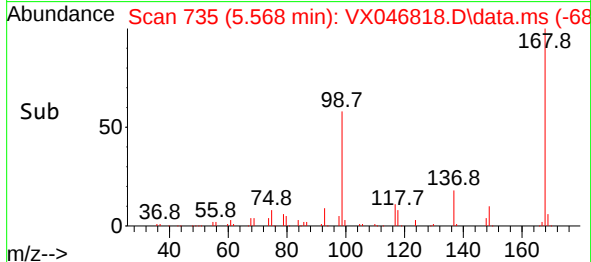
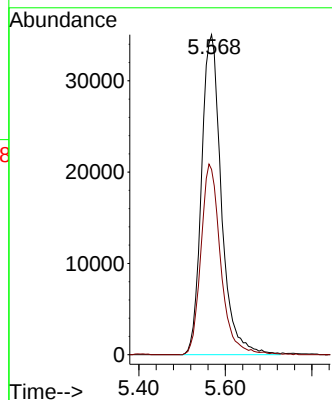
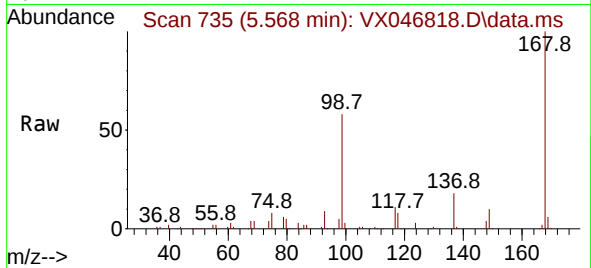




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

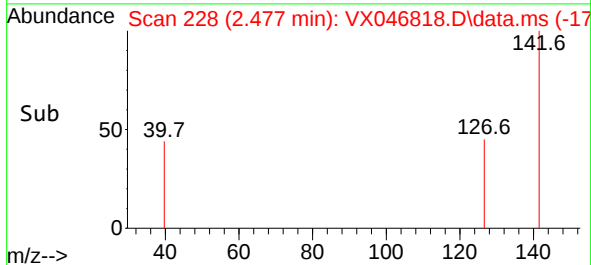
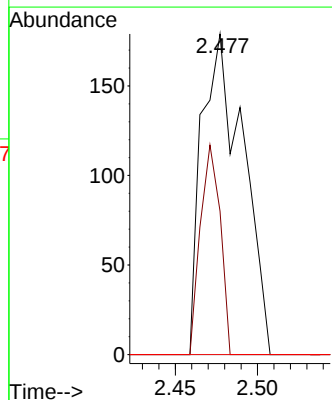
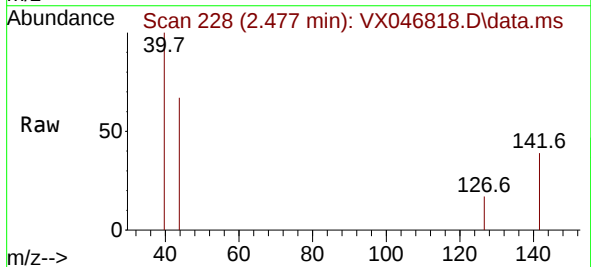
Instrument : MSVOA_X
ClientSampleId : BBX42025

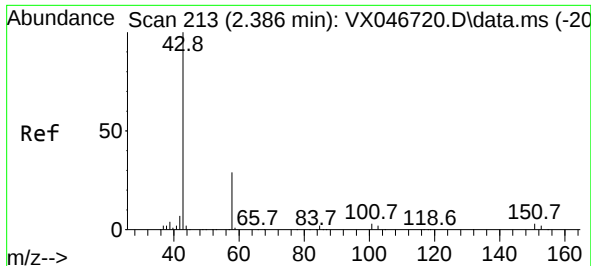
Tgt Ion:168 Resp: 111553
Ion Ratio Lower Upper
168 100
99 57.9 48.5 72.7



#10
Methyl Iodide
Concen: 4.511 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:142 Resp: 311
Ion Ratio Lower Upper
142 100
127 31.5 37.0 55.6#
141 0.0 11.5 17.3#

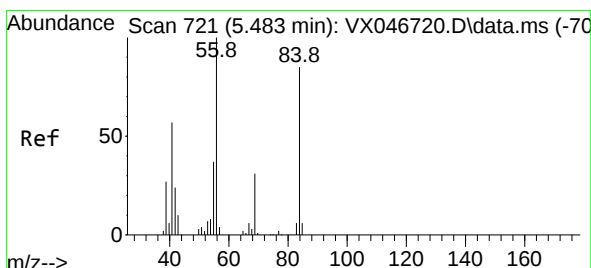
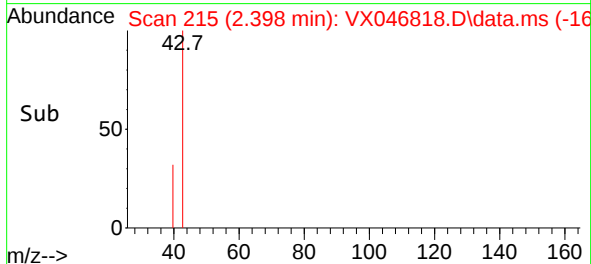
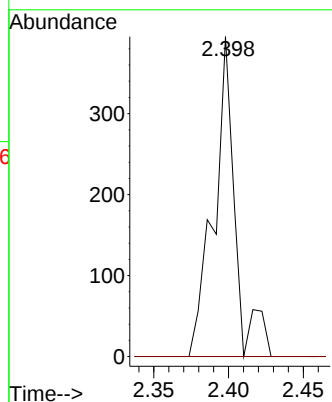
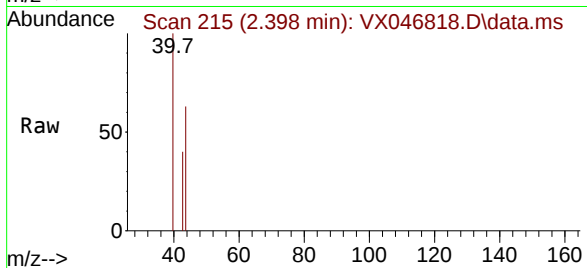




#16
Acetone
Concen: 0.760 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

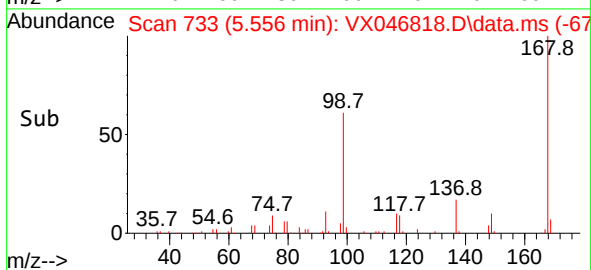
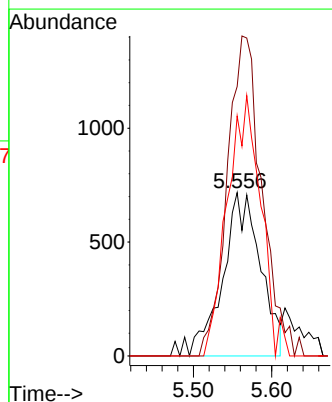
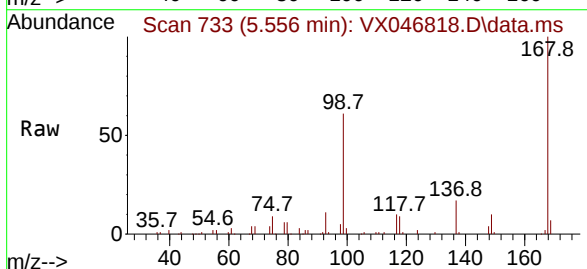
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

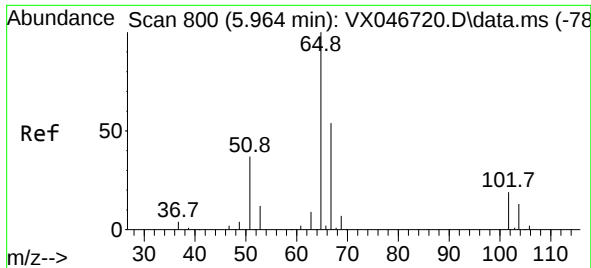
Tgt Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 56 Resp: 2421
Ion Ratio Lower Upper
56 100
69 165.0 24.8 37.2#
84 147.0 68.2 102.2#

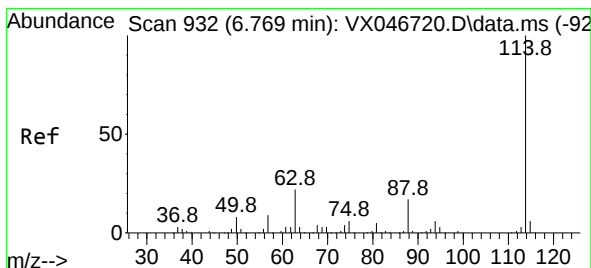
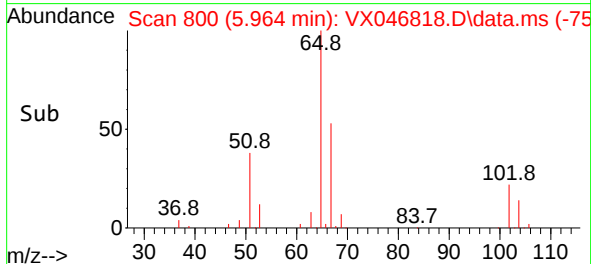
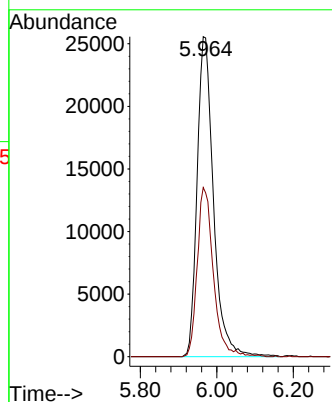
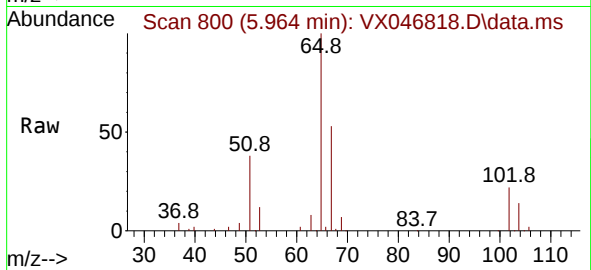




#33
 1,2-Dichloroethane-d4
 Concen: 49.158 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VX046818.D
 Acq: 23 Jun 2025 14:28

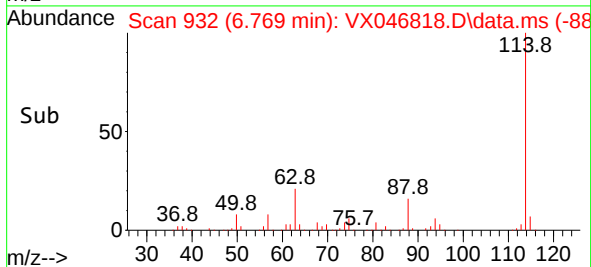
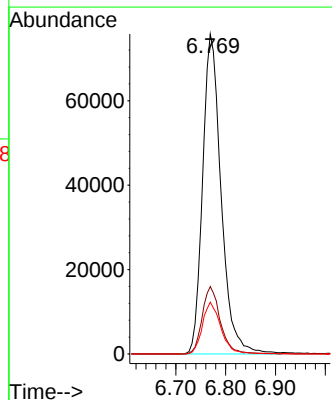
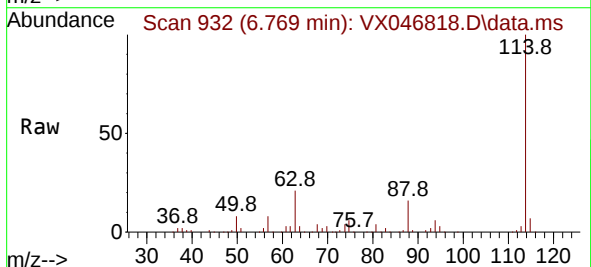
Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025

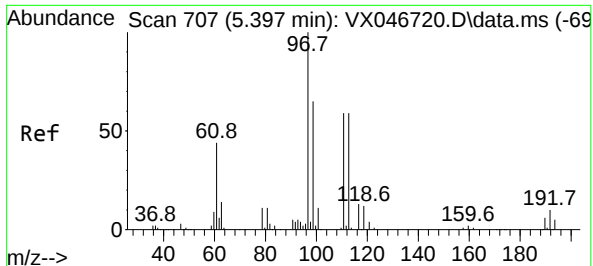
Tgt Ion: 65 Resp: 75849
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046818.D
 Acq: 23 Jun 2025 14:28

Tgt Ion: 114 Resp: 195304
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.2
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.864 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046818.D

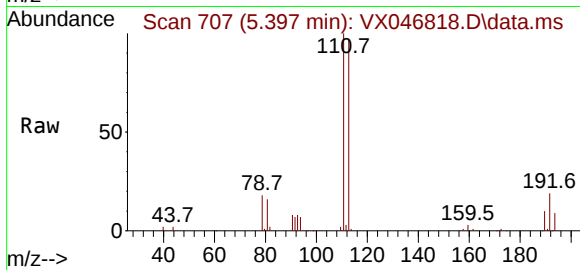
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Instrument :

MSVOA_X

ClientSampleId :

BBX42025



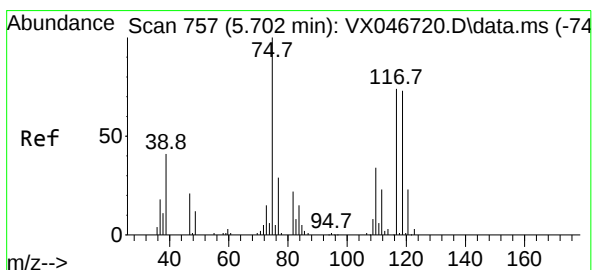
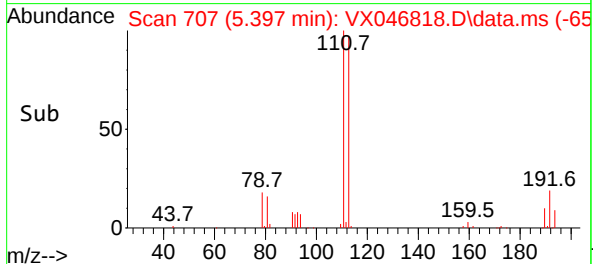
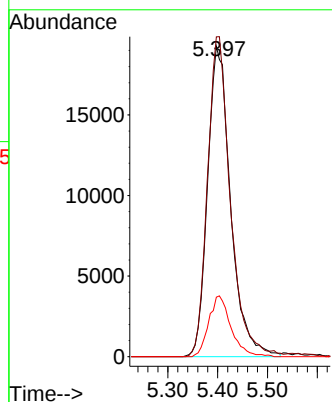
Tgt Ion:113 Resp: 61849

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 19.0 15.3 22.9



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

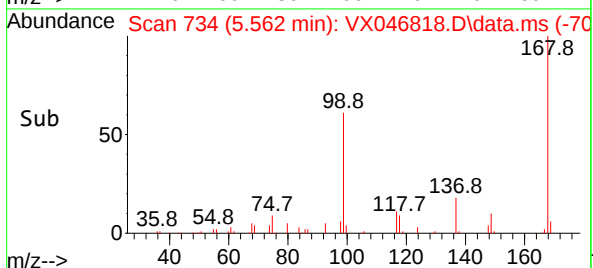
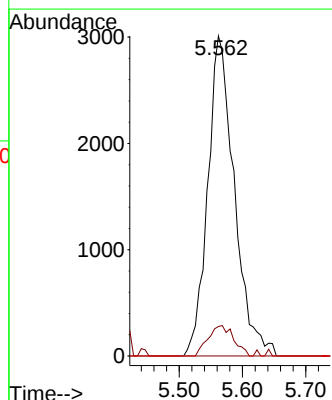
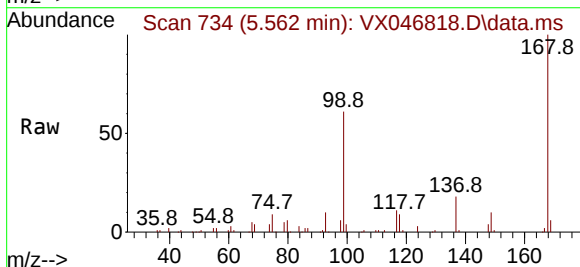
Tgt Ion: 75 Resp: 8785

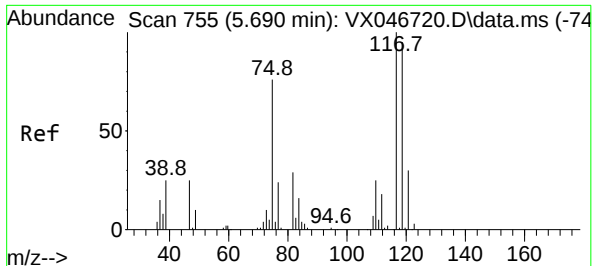
Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.5#

77 0.0 24.2 36.4#

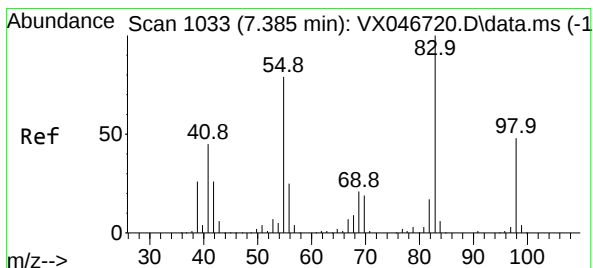
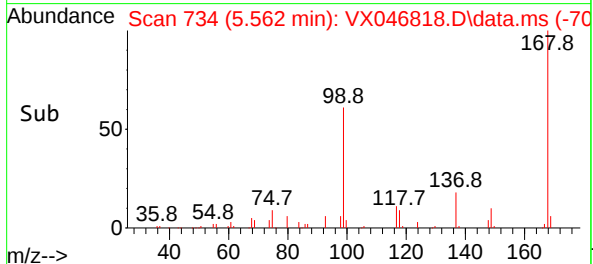
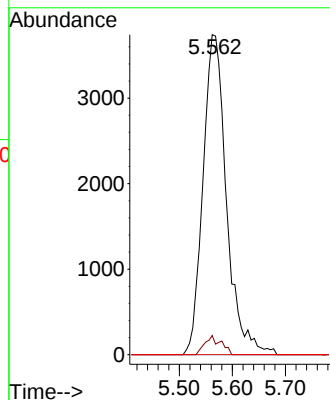
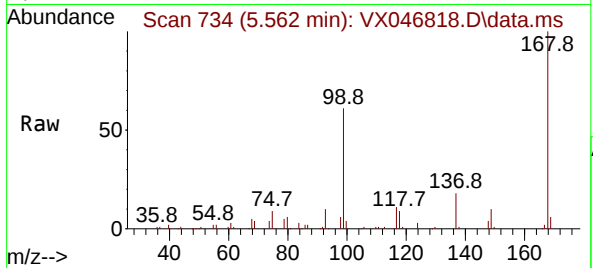




#38
Carbon Tetrachloride
Concen: 5.689 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

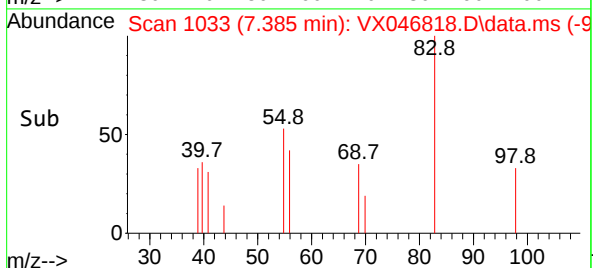
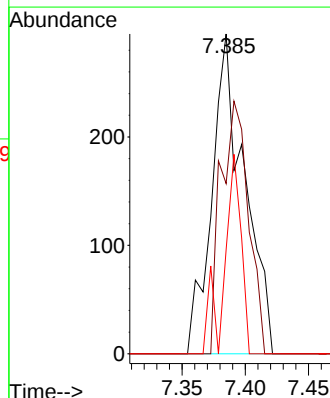
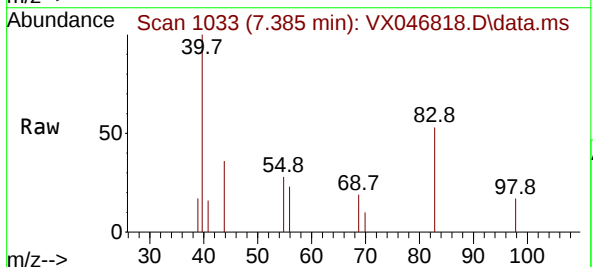
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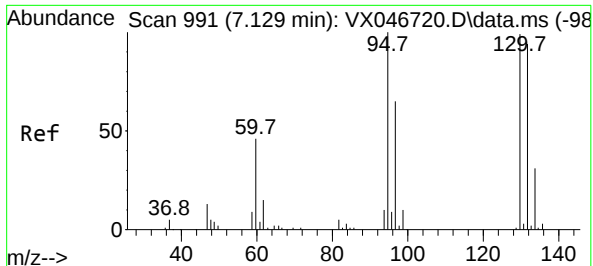
Tgt Ion:117 Resp: 11516
Ion Ratio Lower Upper
117 100
119 6.0 75.2 112.8#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.216 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 83 Resp: 530
Ion Ratio Lower Upper
83 100
55 53.2 63.0 94.4#
98 32.5 38.8 58.2#

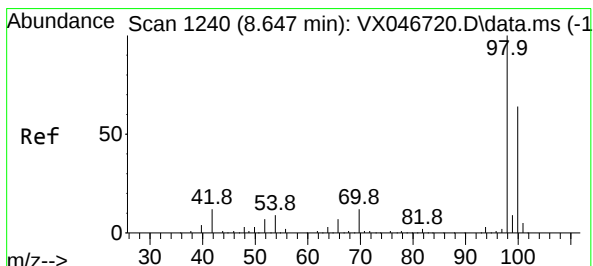
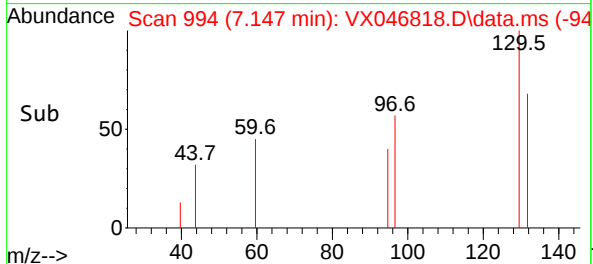
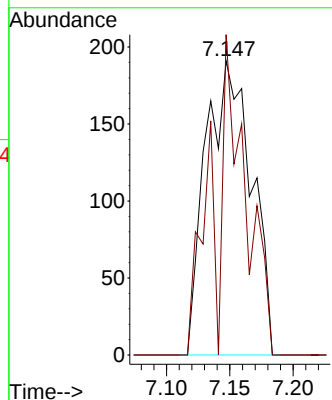
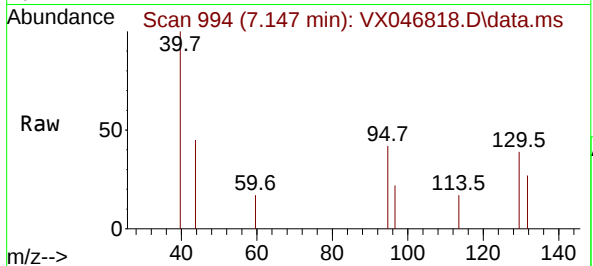




#44
Trichloroethene
Concen: 0.342 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.018 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

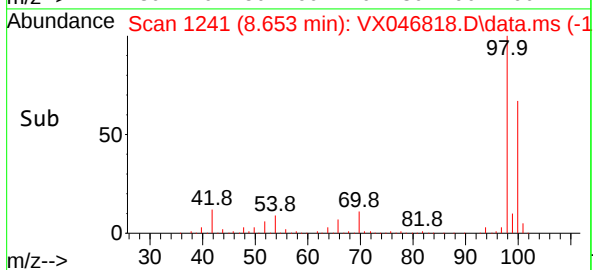
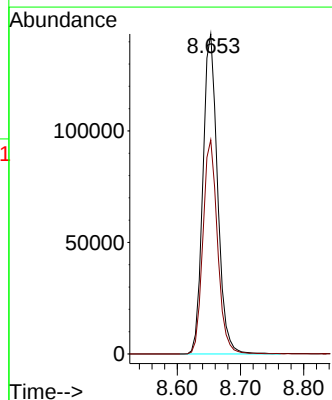
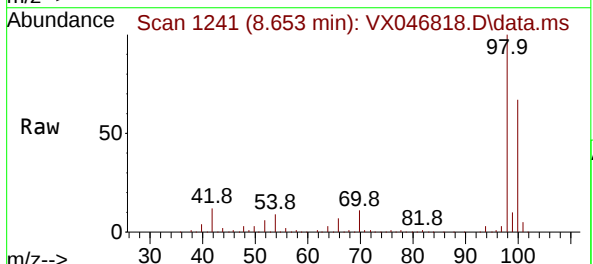
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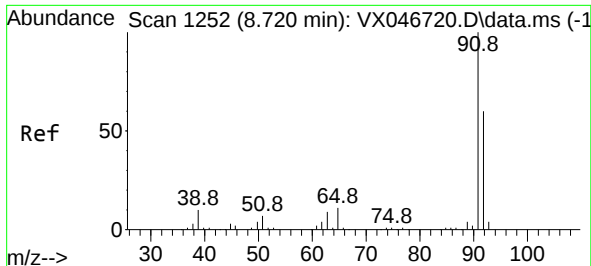
Tgt Ion:130 Resp: 481
Ion Ratio Lower Upper
130 100
95 108.9 0.0 202.6



#50
Toluene-d8
Concen: 49.875 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 98 Resp: 231547
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4





#52

Toluene

Concen: 24.568 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

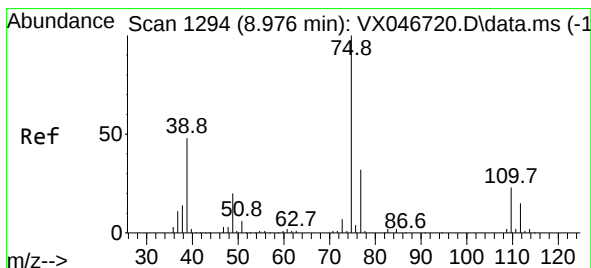
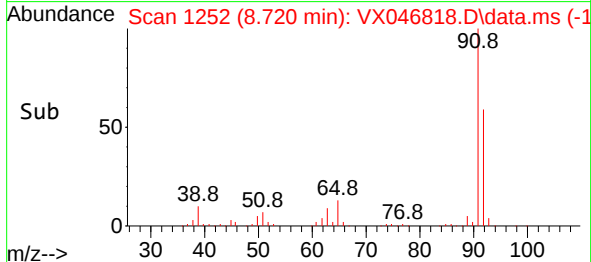
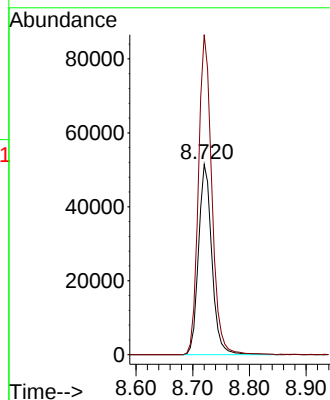
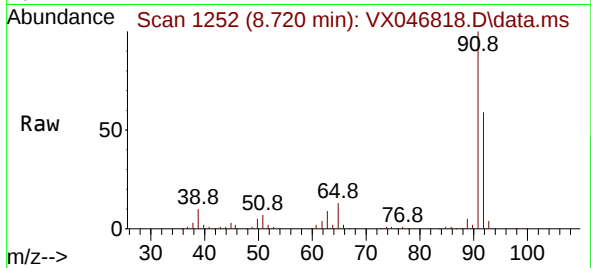
BBX42025

Tgt Ion: 92 Resp: 84079

Ion Ratio Lower Upper

92 100

91 169.0 134.8 202.2



#53

t-1,3-Dichloropropene

Concen: 0.548 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.256 min

Lab File: VX046818.D

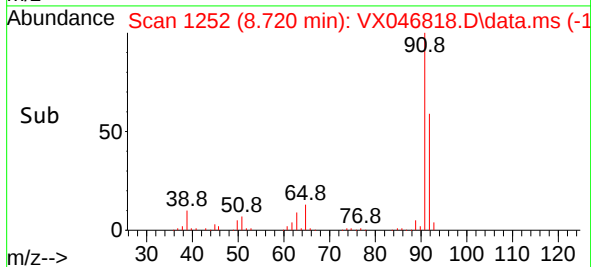
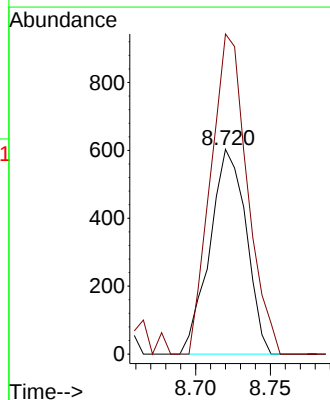
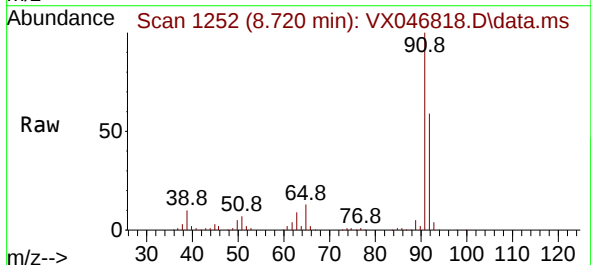
Acq: 23 Jun 2025 14:28

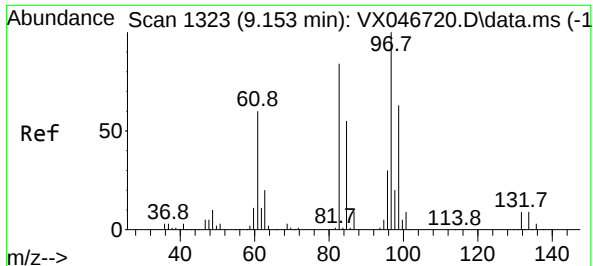
Tgt Ion: 75 Resp: 1020

Ion Ratio Lower Upper

75 100

77 156.4 25.6 38.4#

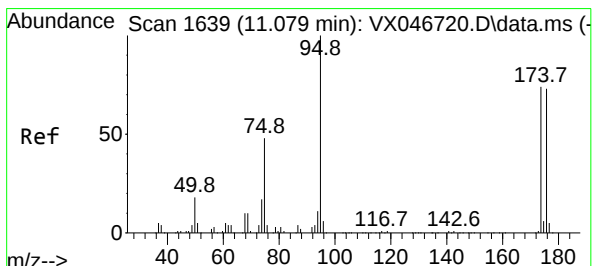
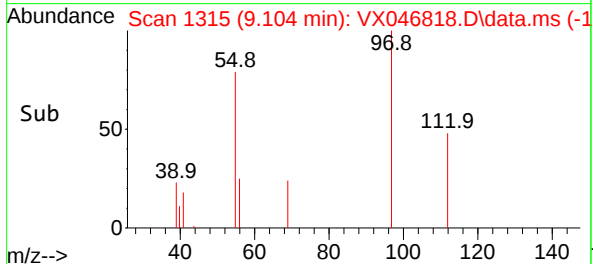
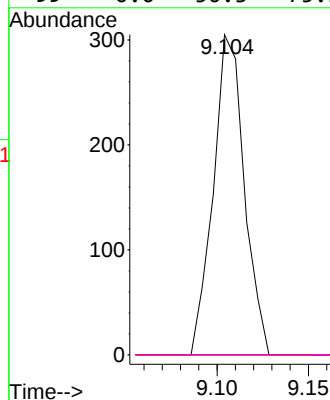
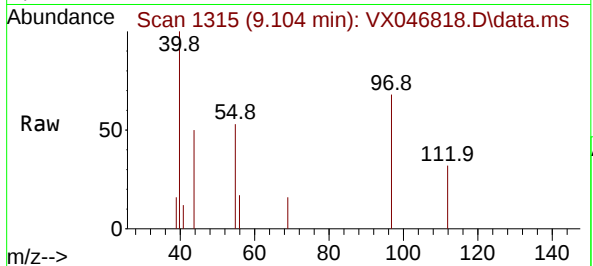




#55
1,1,2-Trichloroethane
Concen: 0.282 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

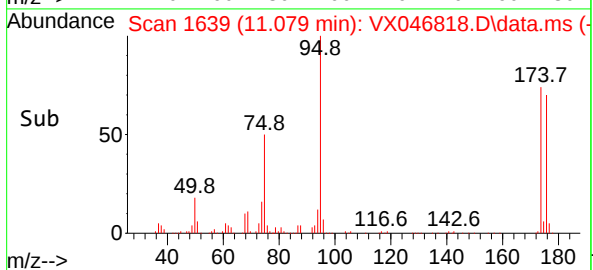
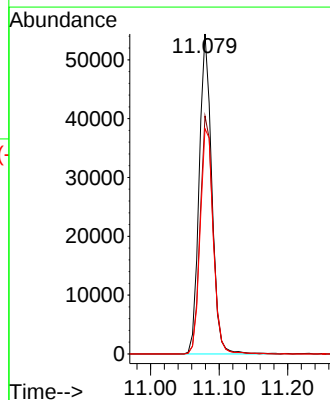
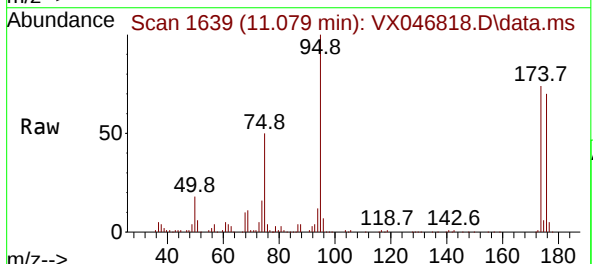
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

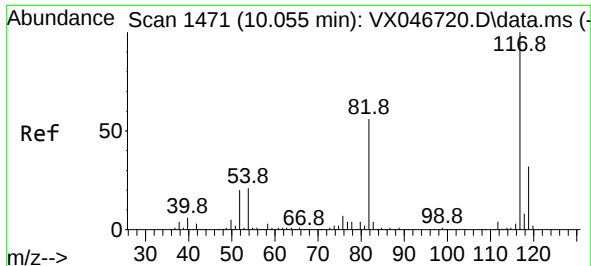
Tgt Ion: 97	Resp:	360	
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.2	100.8#
85	0.0	44.1	66.1#
99	0.0	50.3	75.5#



#62
4-Bromofluorobenzene
Concen: 40.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 95	Resp:	69498	
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.4
176	73.3	0.0	145.0

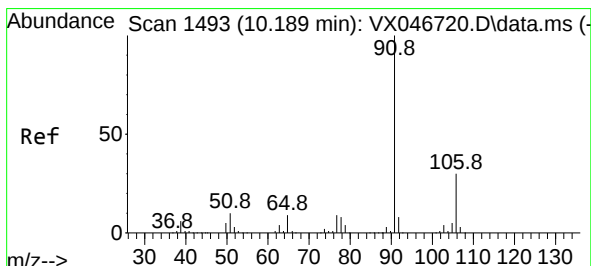
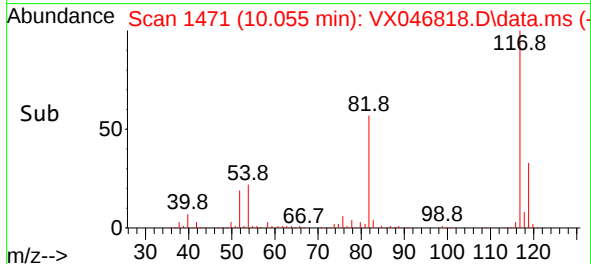
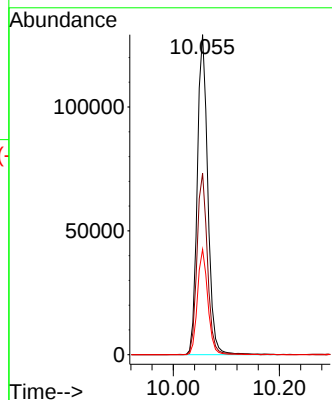
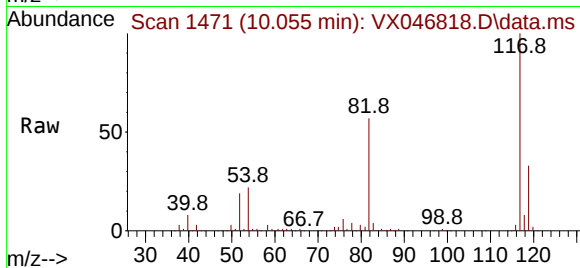




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

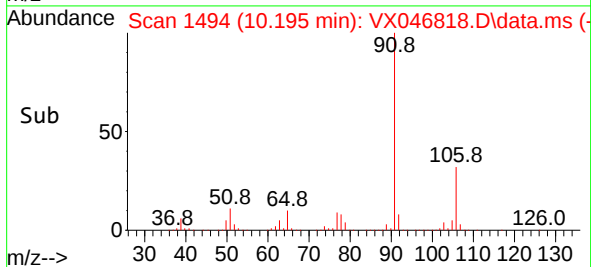
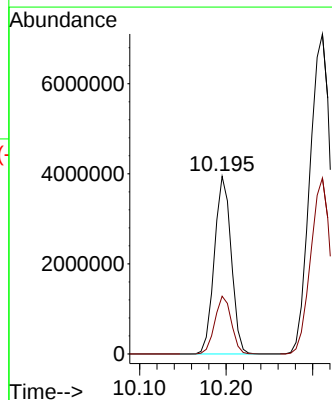
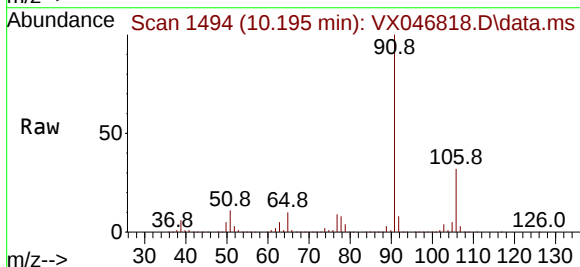
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

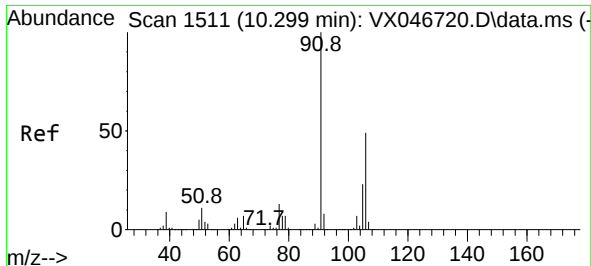
Tgt Ion:117 Resp: 177101
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 32.9 25.8 38.8



#67
Ethyl Benzene
Concen: 779.902 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 91 Resp: 5327342
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.2

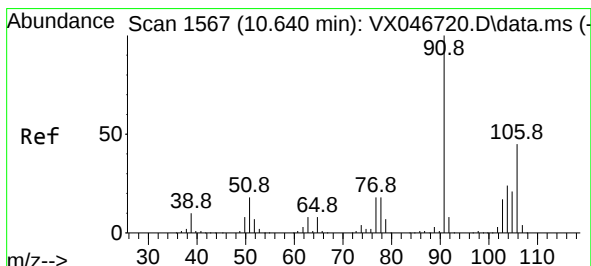
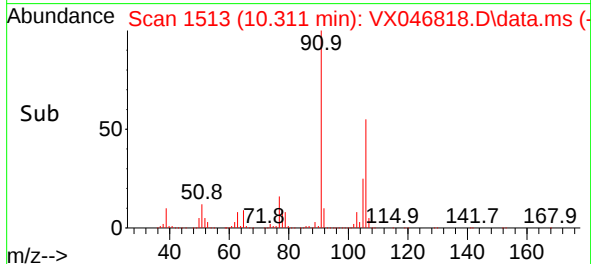
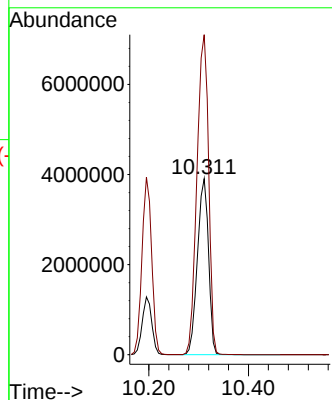
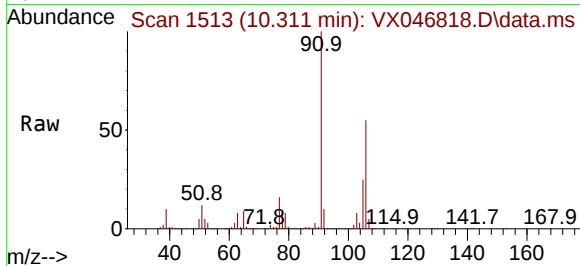




#68
m/p-Xylenes
Concen: 2366.194 ug/l
RT: 10.311 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

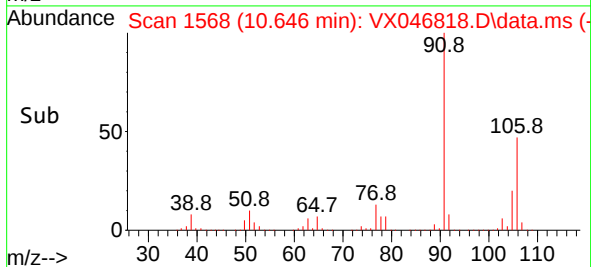
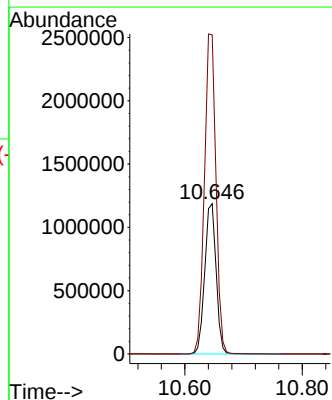
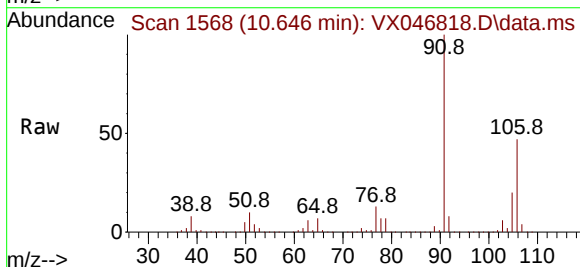
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

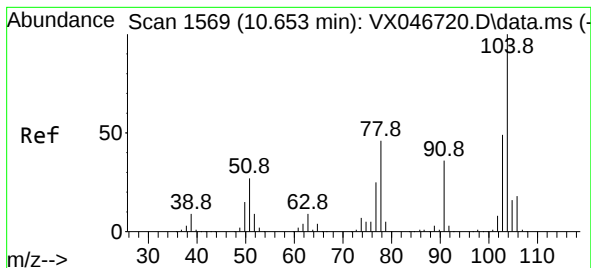
Tgt Ion:106 Resp: 6022463
Ion Ratio Lower Upper
106 100
91 191.1 164.8 247.2



#69
o-Xylene
Concen: 667.362 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:106 Resp: 1591863
Ion Ratio Lower Upper
106 100
91 216.1 111.3 333.9





#70

Styrene

Concen: 18.832 ug/l

RT: 10.646 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

BBX42025

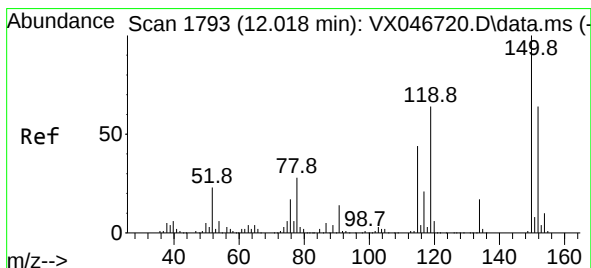
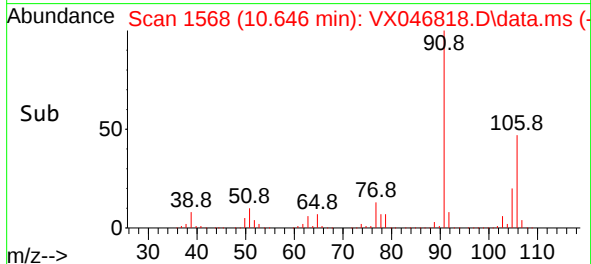
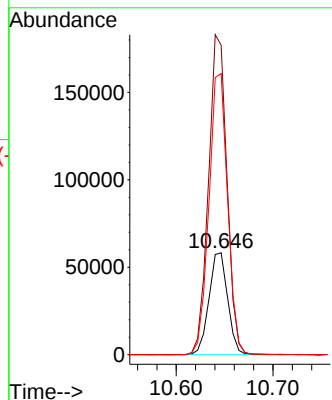
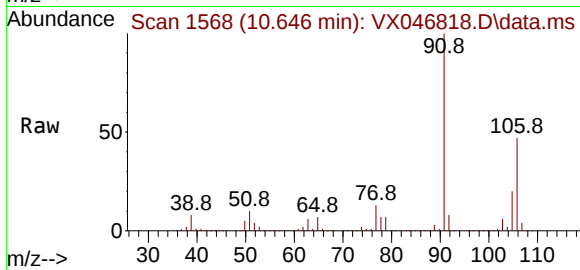
Tgt Ion:104 Resp: 78610

Ion Ratio Lower Upper

104 100

78 309.5 41.4 62.2#

103 276.0 43.1 64.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

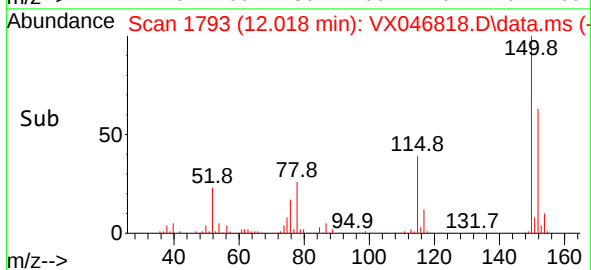
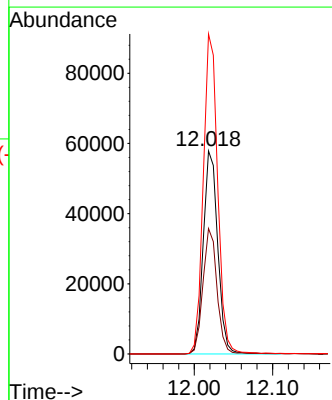
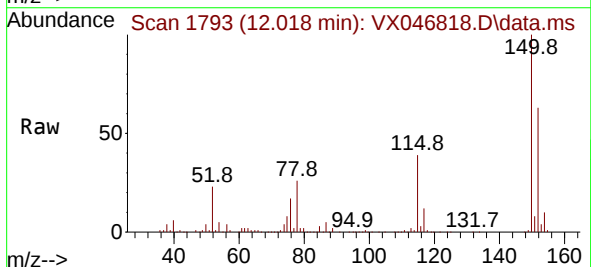
Tgt Ion:152 Resp: 74038

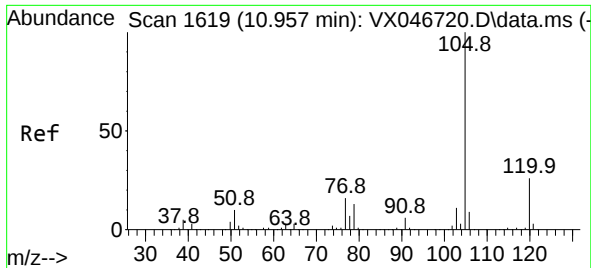
Ion Ratio Lower Upper

152 100

115 60.6 43.2 129.6

150 157.4 0.0 346.8

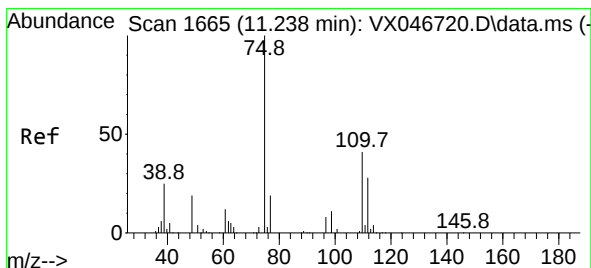
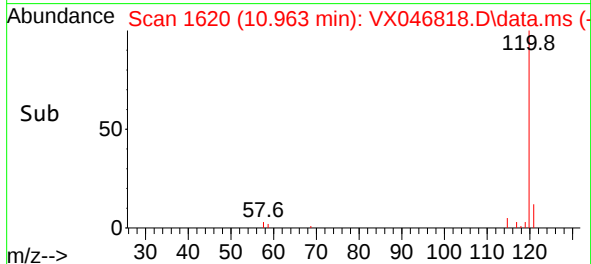
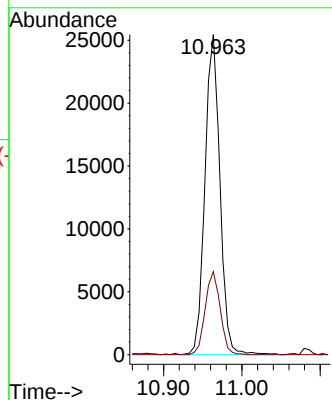
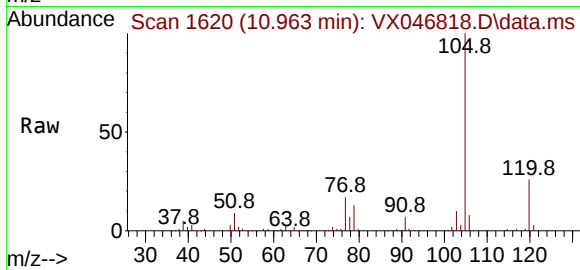




#73
Isopropylbenzene
Concen: 6.189 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

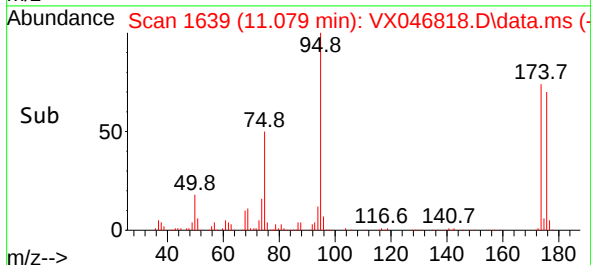
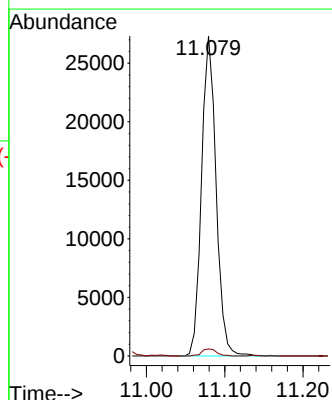
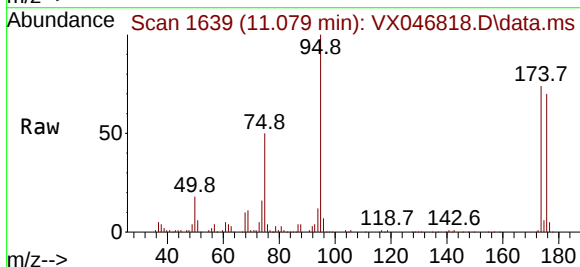
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

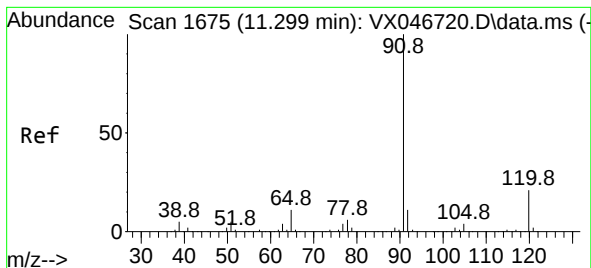
Tgt Ion:105 Resp: 33749
Ion Ratio Lower Upper
105 100
120 25.8 13.0 39.0



#76
1,2,3-Trichloropropane
Concen: 25.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 75 Resp: 35243
Ion Ratio Lower Upper
75 100
77 2.3 18.5 55.5#





#78

n-propylbenzene

Concen: 0.387 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

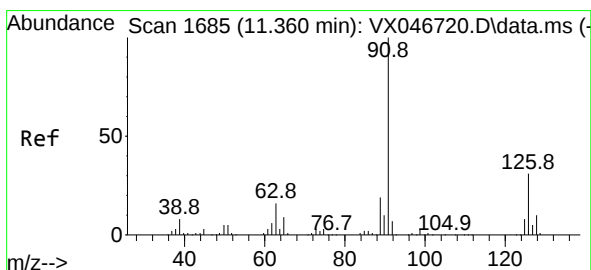
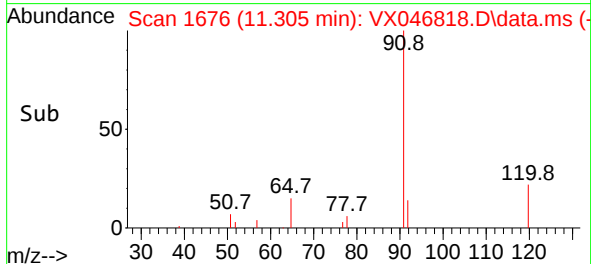
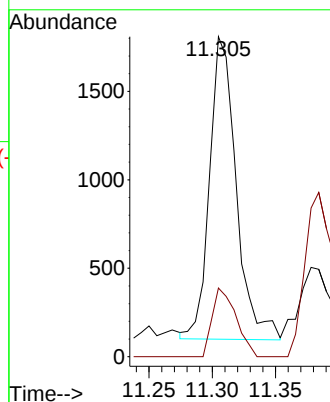
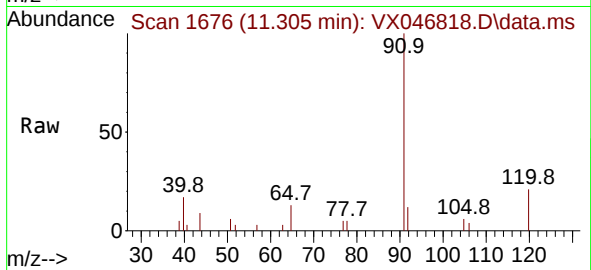
BBX42025

Tgt Ion: 91 Resp: 2505

Ion Ratio Lower Upper

91 100

120 20.2 11.4 34.1



#79

2-Chlorotoluene

Concen: 0.226 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.018 min

Lab File: VX046818.D

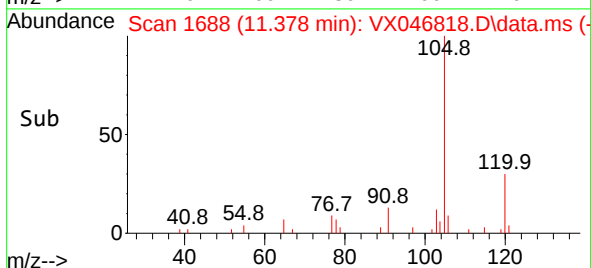
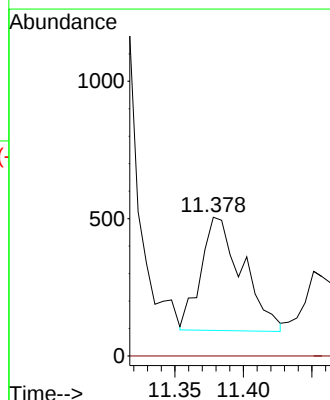
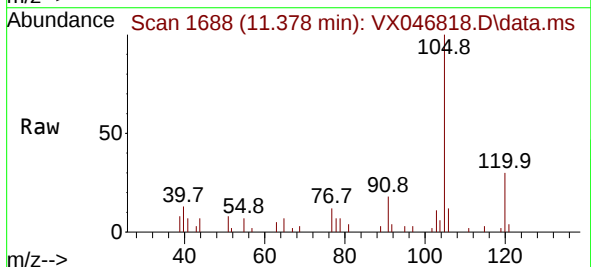
Acq: 23 Jun 2025 14:28

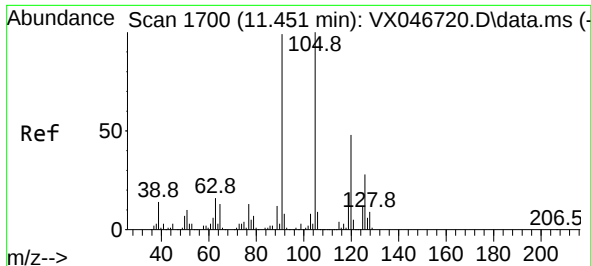
Tgt Ion: 91 Resp: 874

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#

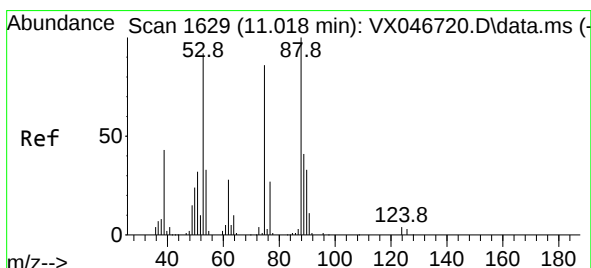
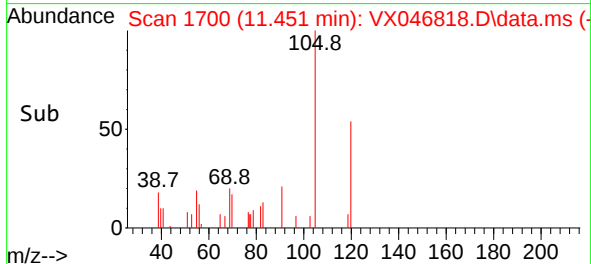
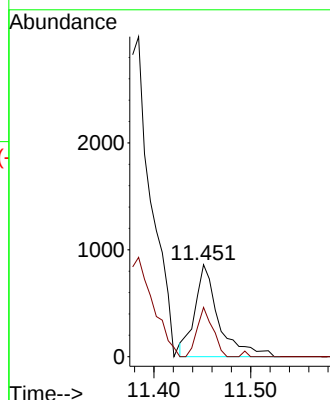
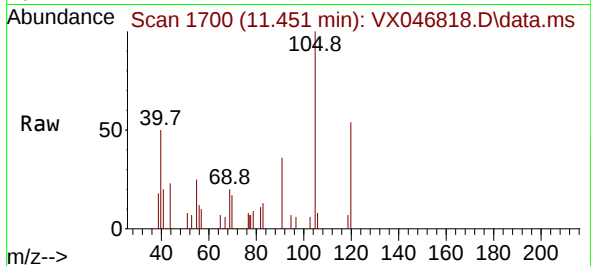




#80
1,3,5-Trimethylbenzene
Concen: 0.331 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

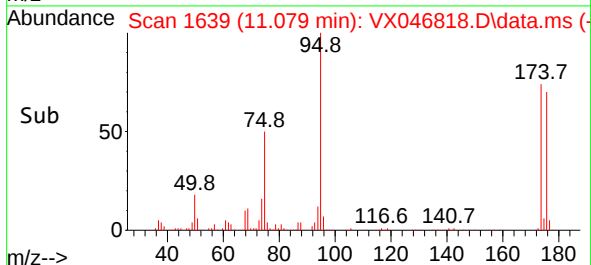
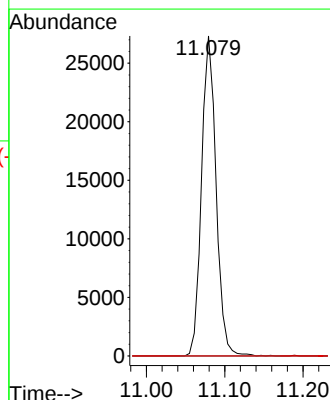
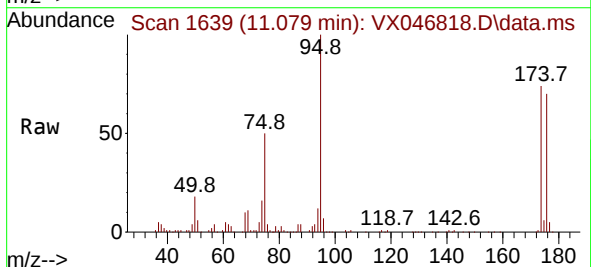
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

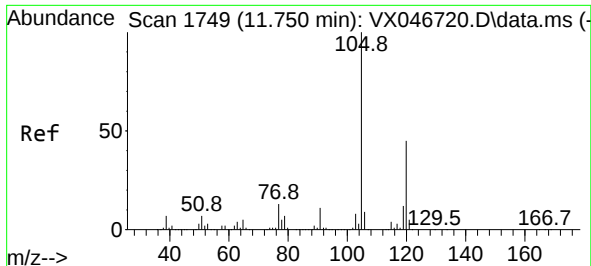
Tgt Ion:105 Resp: 1482
Ion Ratio Lower Upper
105 100
120 35.2 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 73.463 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 75 Resp: 35243
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

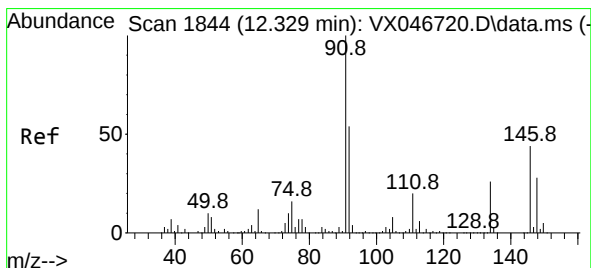
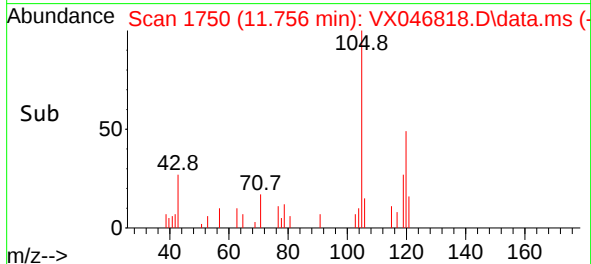
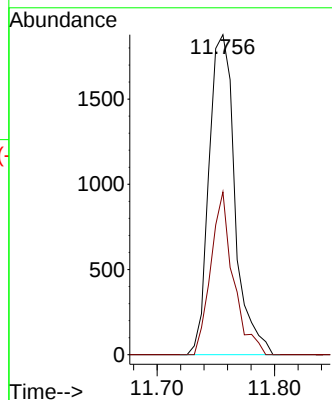
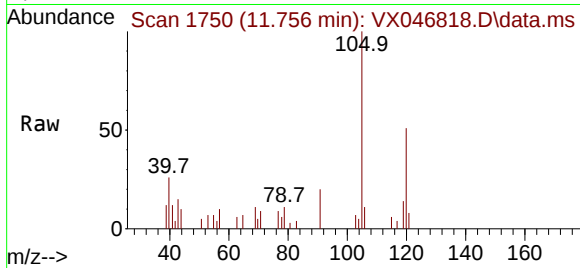




#84
1,2,4-Trimethylbenzene
Concen: 0.639 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:105 Resp: 2879
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.3



#89
n-Butylbenzene
Concen: 0.242 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 91 Resp: 1135
Ion Ratio Lower Upper
91 100
92 25.5 27.1 81.3#
134 0.0 12.9 38.6#

