

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046853.D
 Acq On : 01 Jul 2025 12:36
 Operator : JC/MD
 Sample : Q2455-01 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 01:40:29 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)

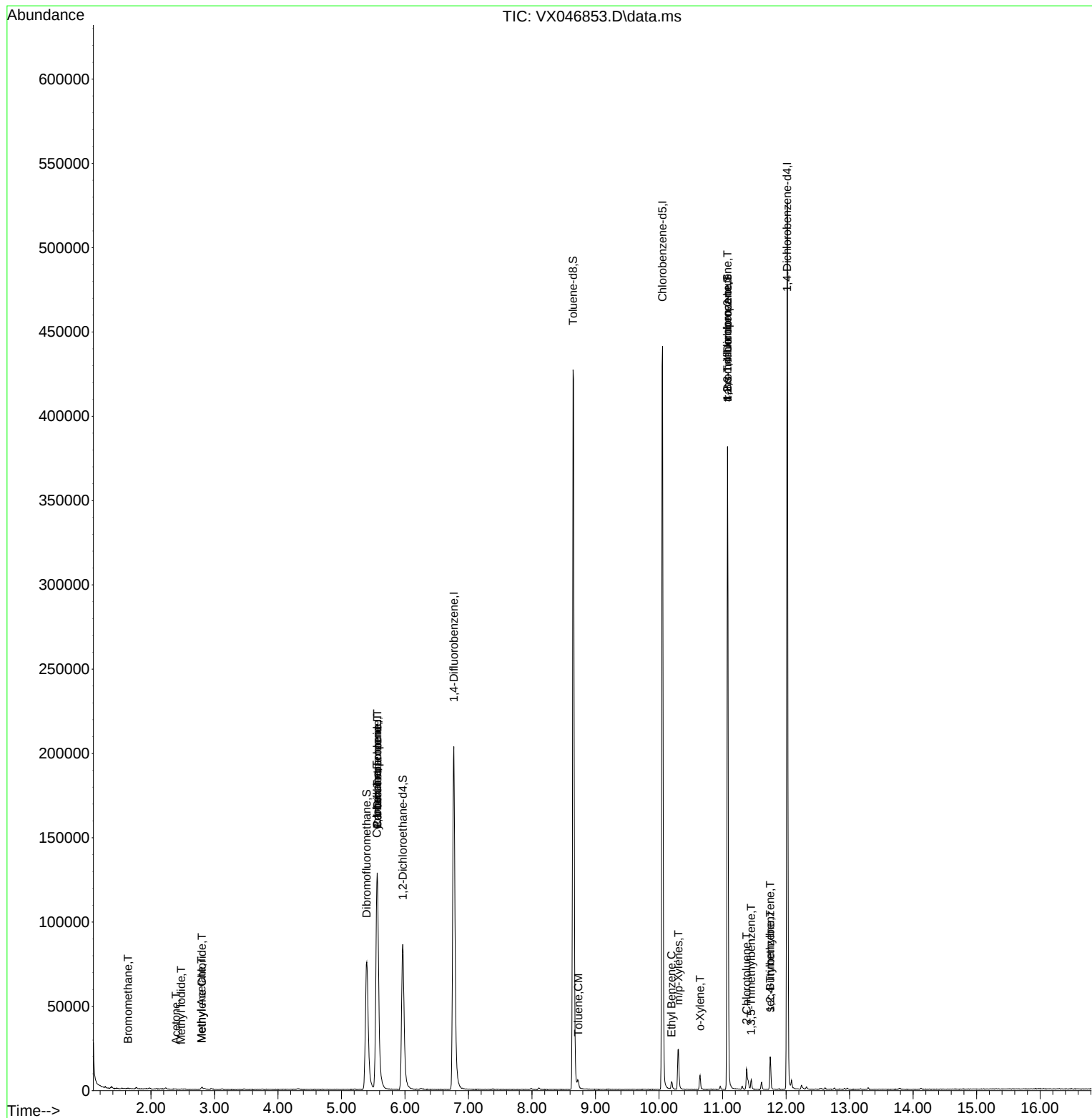
Internal Standards						
1) Pentafluorobenzene	5.562	168	133897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	89609	48.384	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.760%		
35) Dibromofluoromethane	5.397	113	74148	49.610	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.220%		
50) Toluene-d8	8.647	98	265443	49.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	11.079	95	102666	51.290	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.580%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	239	0.258	ug/l	84
10) Methyl Iodide	2.477	142	328	4.490	ug/l #	75
16) Acetone	2.392	43	286	0.463	ug/l #	44
18) Methyl Acetate	2.794	43	372	0.237	ug/l #	53
20) Methylene Chloride	2.800	84	496	0.289	ug/l #	87
31) Cyclohexane	5.556	56	2870	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10730	4.973	ug/l #	52
38) Carbon Tetrachloride	5.562	117	13997	5.978	ug/l #	17
52) Toluene	8.726	92	2170	0.548	ug/l	100
67) Ethyl Benzene	10.195	91	3289	0.413	ug/l	100
68) m/p-Xylenes	10.305	106	6507	2.191	ug/l	98
69) o-Xylene	10.647	106	2001	0.719	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	51074	26.397	ug/l #	40
79) 2-Chlorotoluene	11.378	91	1241	0.225	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3008	0.470	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	51074	74.613	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	9019	1.404	ug/l	100
85) sec-Butylbenzene	11.750	105	9019	1.080	ug/l #	57

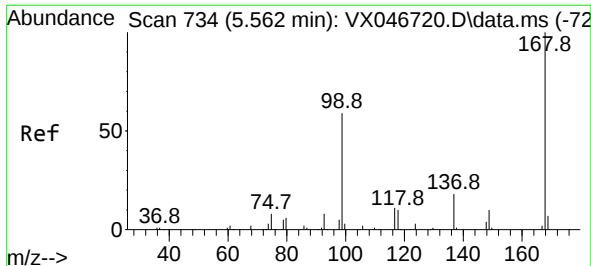
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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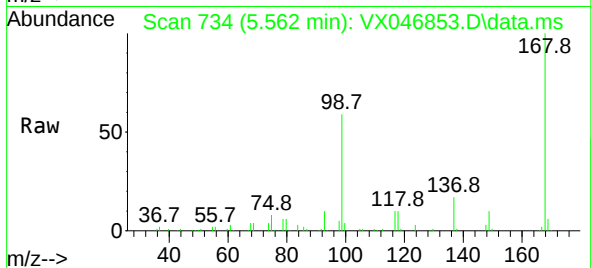
Quant Time: Jul 02 01:40:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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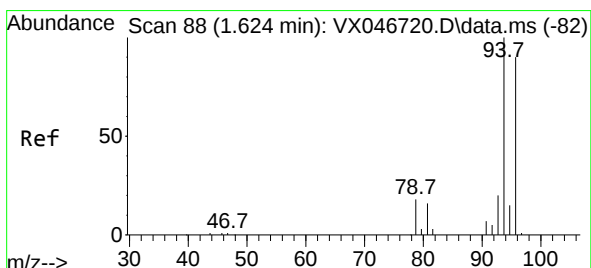
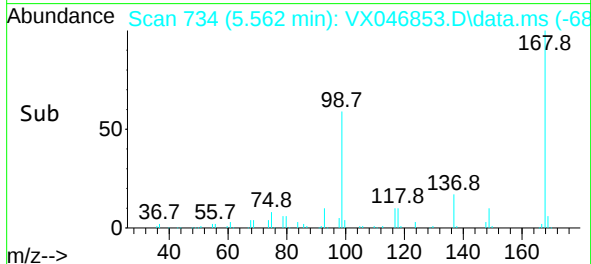
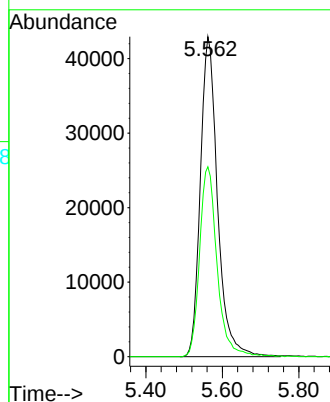


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Instrument :
MSVOA_X
ClientSampleId :

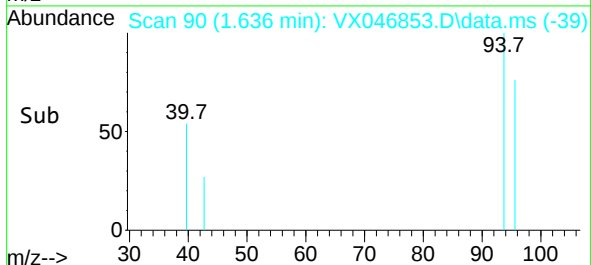
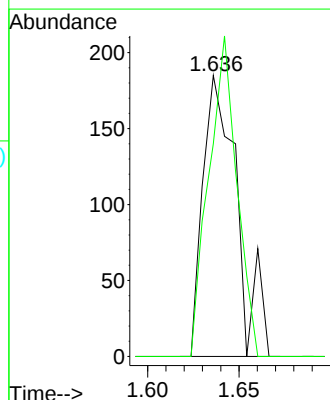
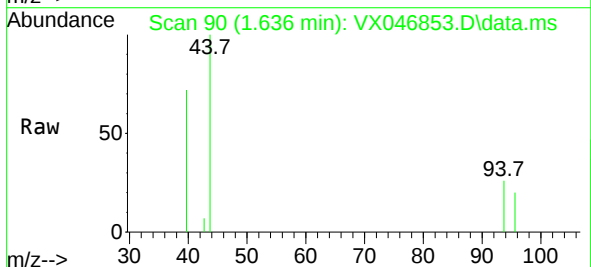


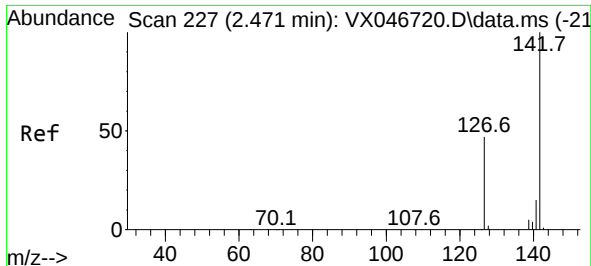
Tgt Ion:168 Resp: 133897
Ion Ratio Lower Upper
168 100
99 59.3 48.5 72.7



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

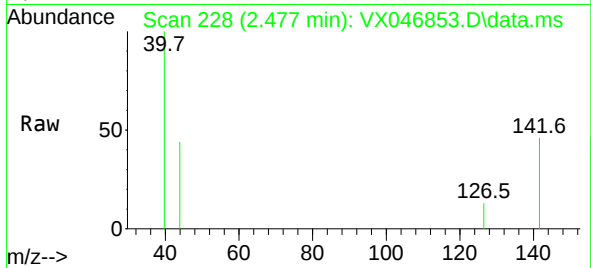
Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 75.7 72.3 108.5



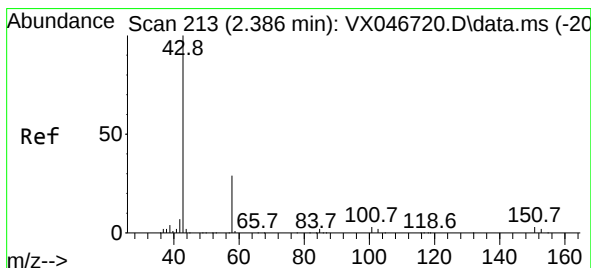
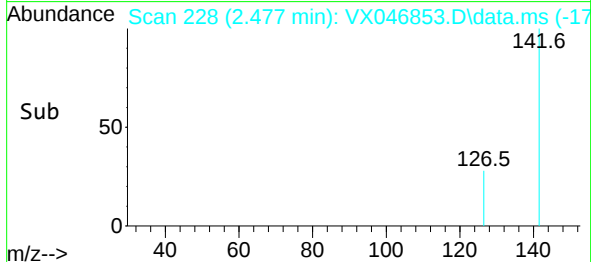
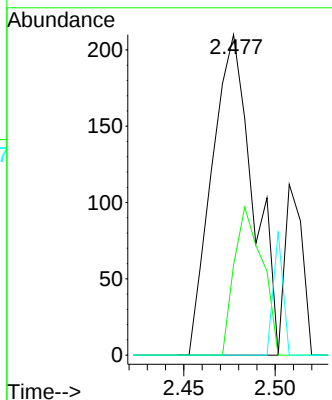


#10
Methyl Iodide
Concen: 4.490 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Instrument :
MSVOA_X
ClientSampleId :

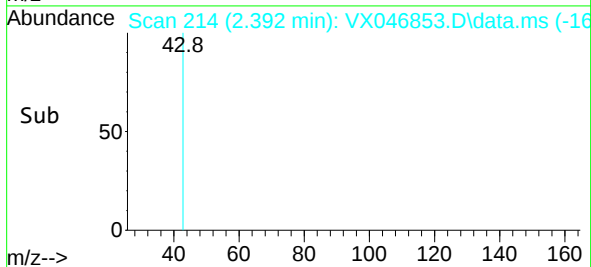
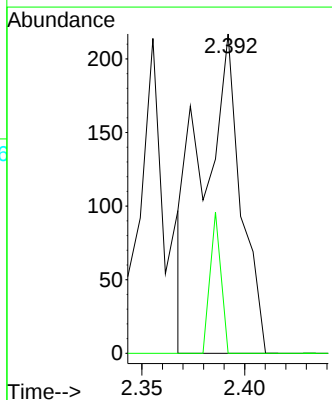
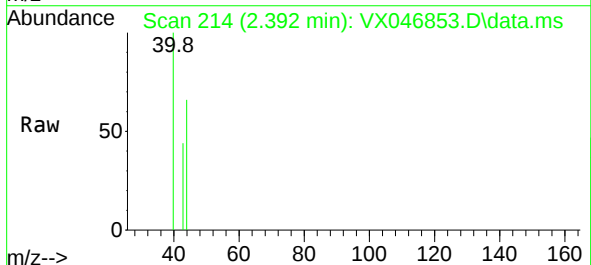


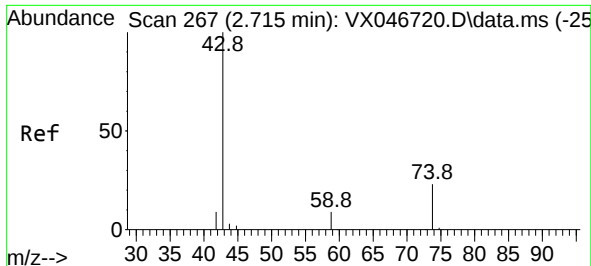
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 31.7 37.0 55.6#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 0.463 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#





#18

Methyl Acetate

Concen: 0.237 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Instrument :

MSVOA_X

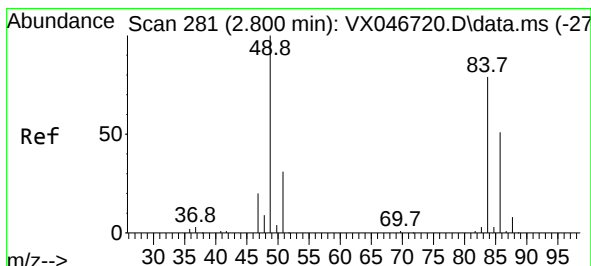
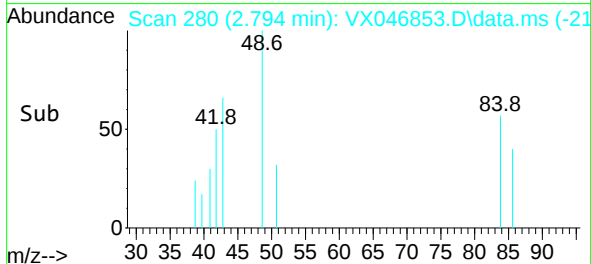
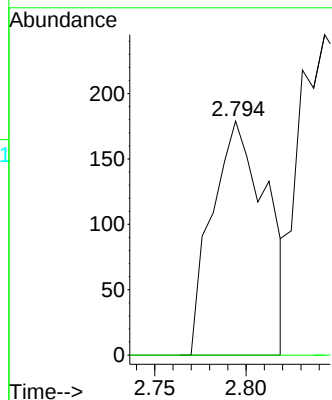
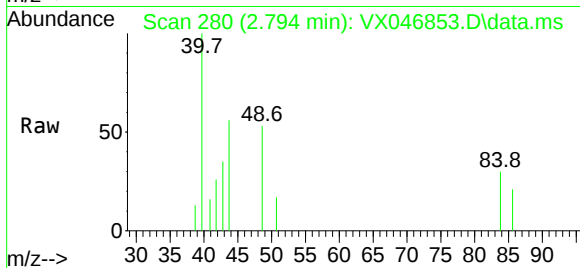
ClientSampleId :

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

74 0.0 18.4 27.6#



#20

Methylene Chloride

Concen: 0.289 ug/l

RT: 2.800 min Scan# 281

Delta R.T. -0.000 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Tgt Ion: 84 Resp: 496

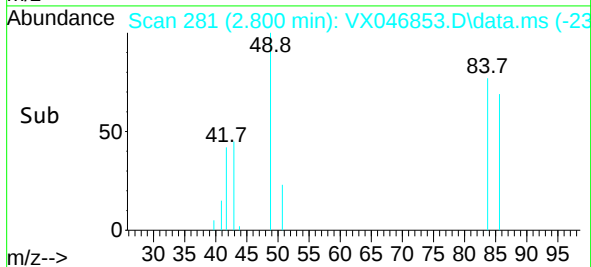
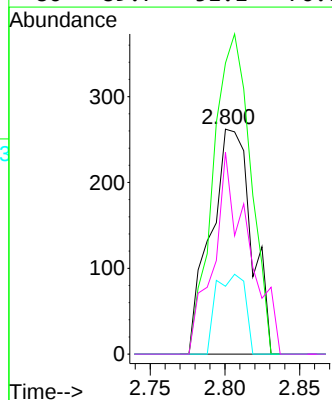
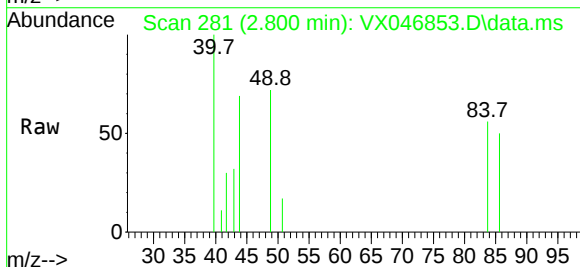
Ion Ratio Lower Upper

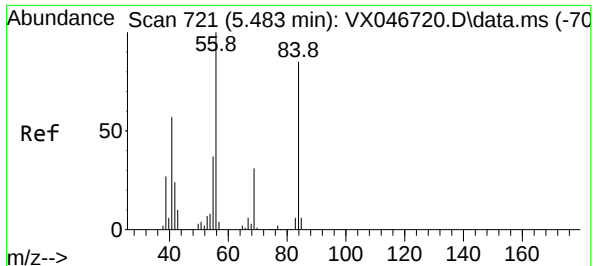
84 100

49 129.4 101.3 151.9

51 30.2 31.0 46.6#

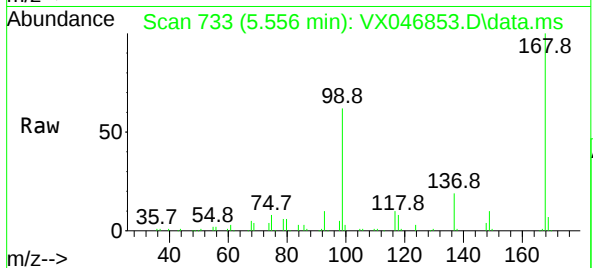
86 89.7 51.1 76.7#



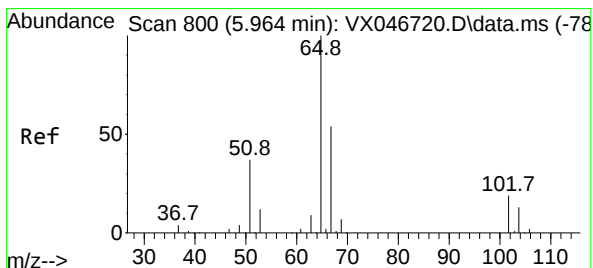
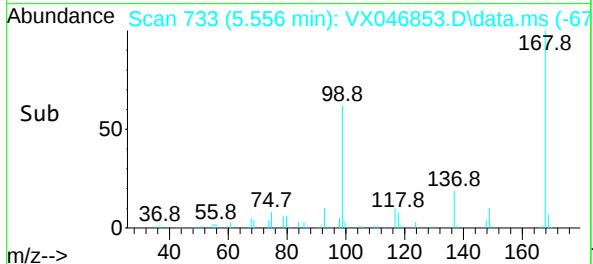
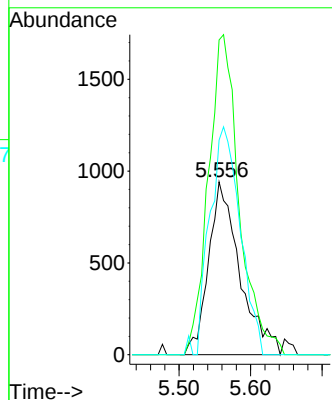


#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Instrument :
MSVOA_X
ClientSampleId :

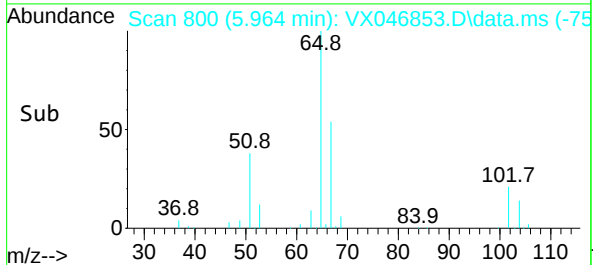
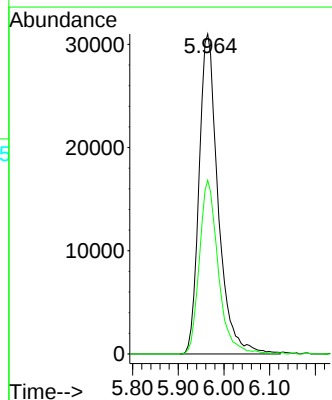
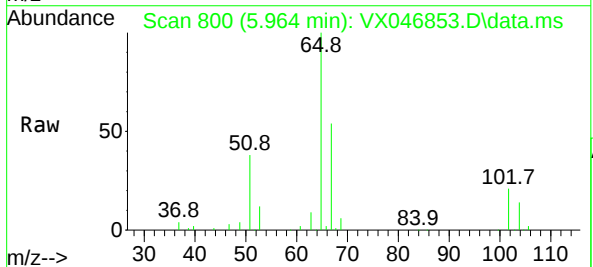


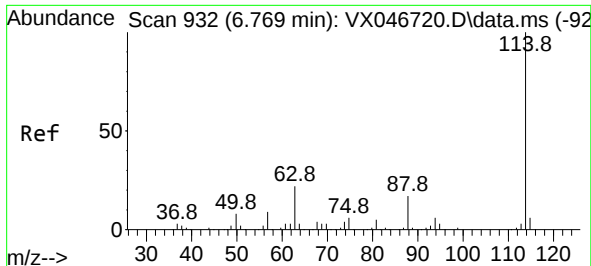
Tgt Ion: 56 Resp: 2870
Ion Ratio Lower Upper
56 100
69 182.1 24.8 37.2#
84 124.2 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.384 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

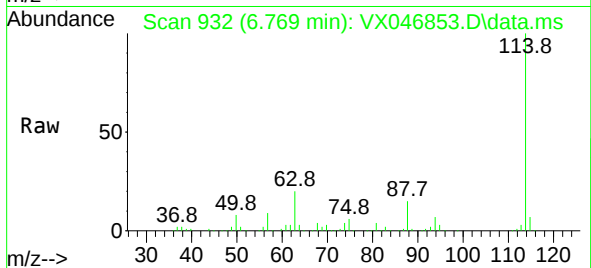
Tgt Ion: 65 Resp: 89609
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.4



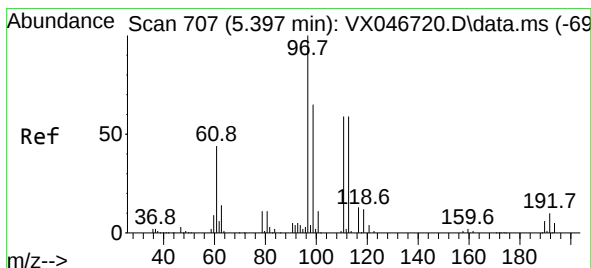
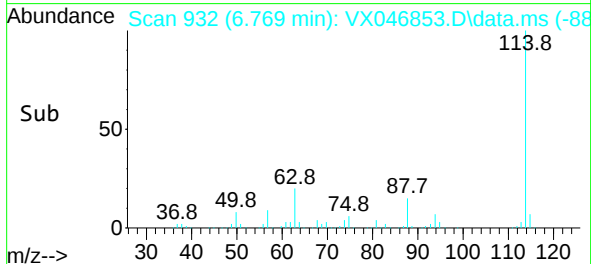
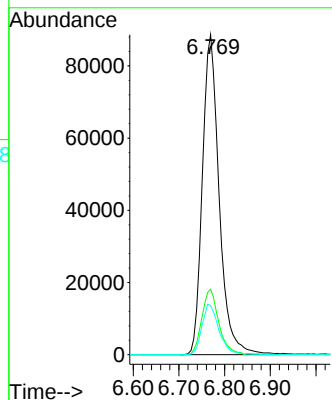


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Instrument :
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ClientSampleId :

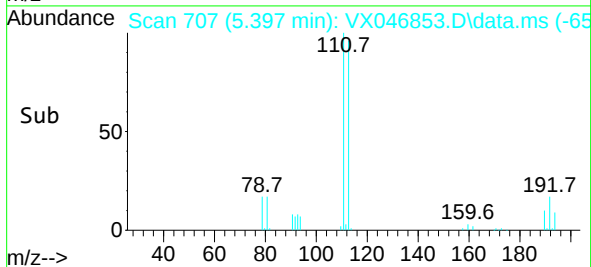
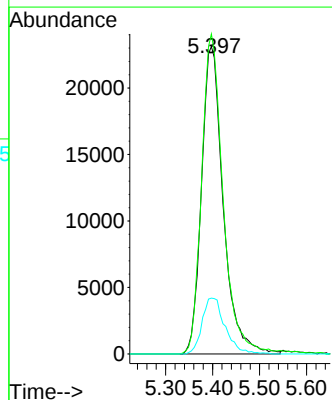
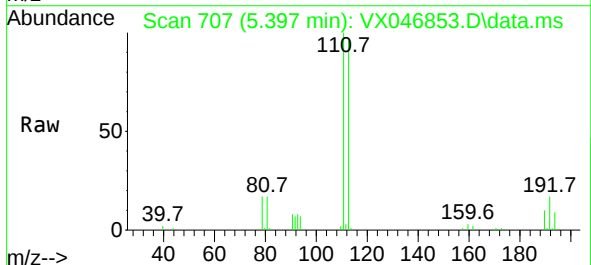


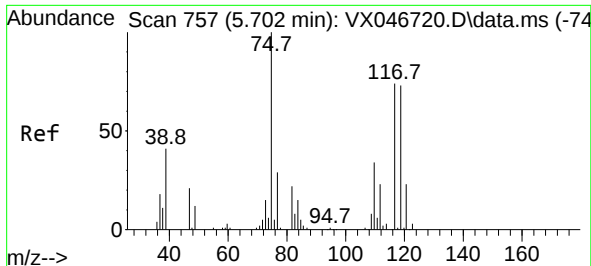
Tgt Ion:114 Resp: 225899
Ion Ratio Lower Upper
114 100
63 20.5 0.0 44.2
88 15.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.610 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion:113 Resp: 74148
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 19.2 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.973 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

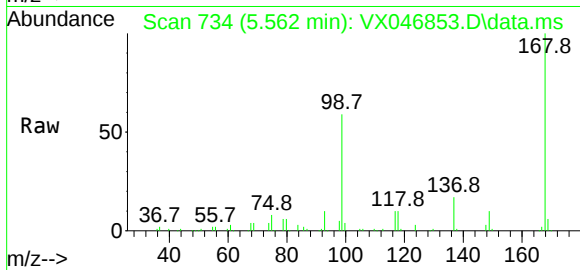
Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Instrument :

MSVOA_X

ClientSampleId :



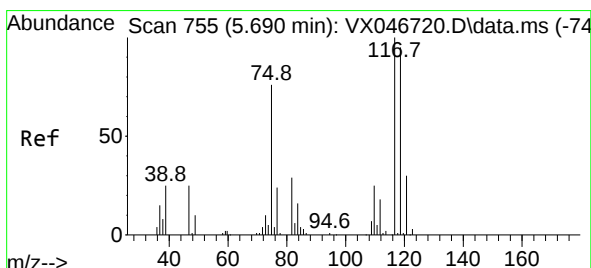
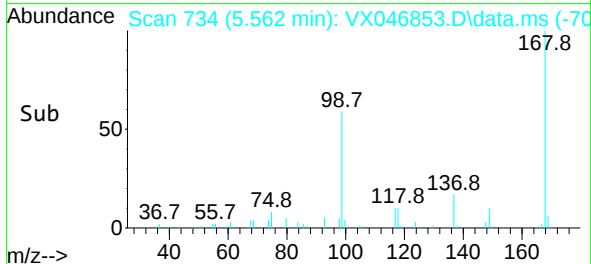
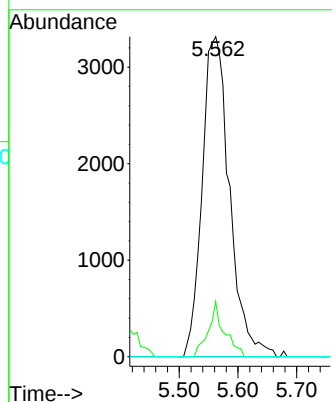
Tgt Ion: 75 Resp: 10730

Ion Ratio Lower Upper

75 100

110 10.1 17.2 51.5#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.978 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

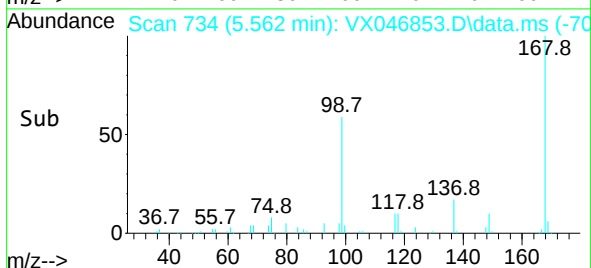
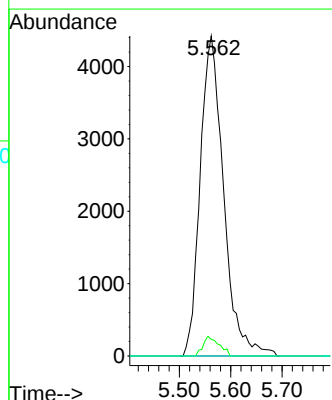
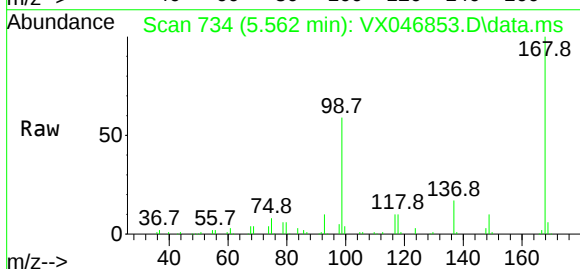
Tgt Ion: 117 Resp: 13997

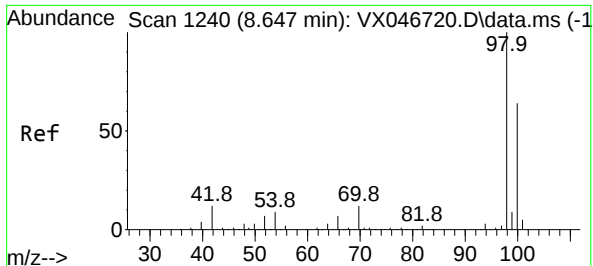
Ion Ratio Lower Upper

117 100

119 5.2 75.2 112.8#

121 0.0 24.1 36.1#

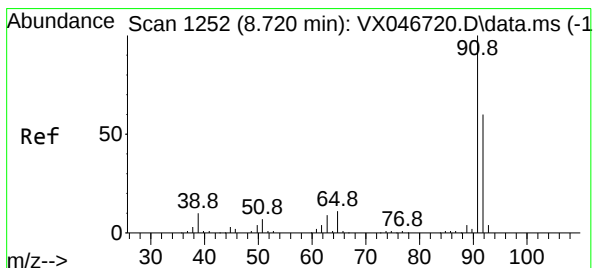
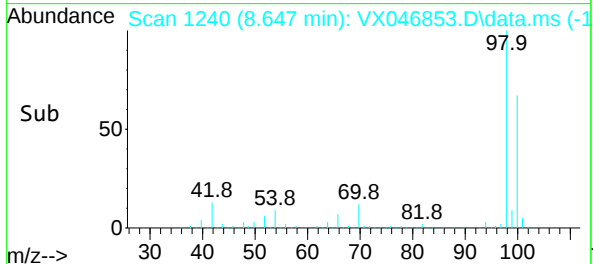
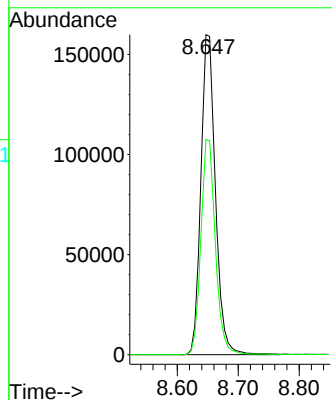
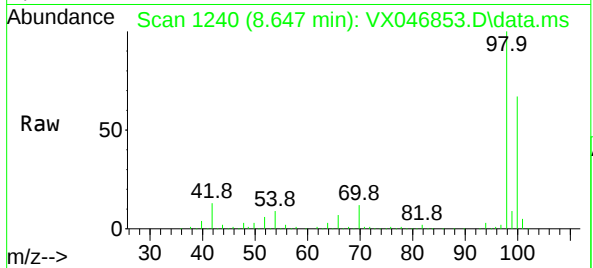




#50
Toluene-d8
Concen: 49.432 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

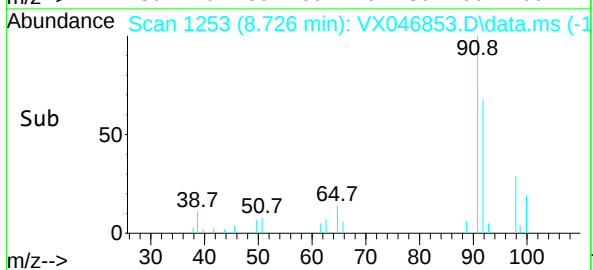
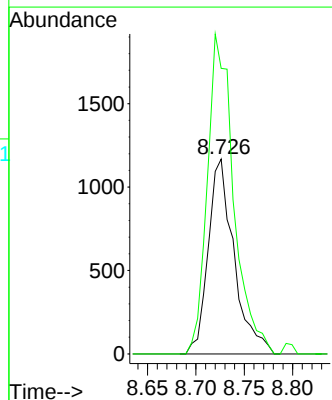
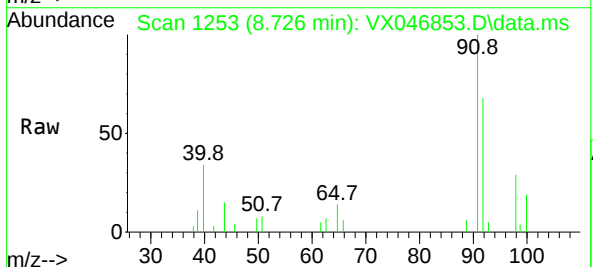
Instrument :
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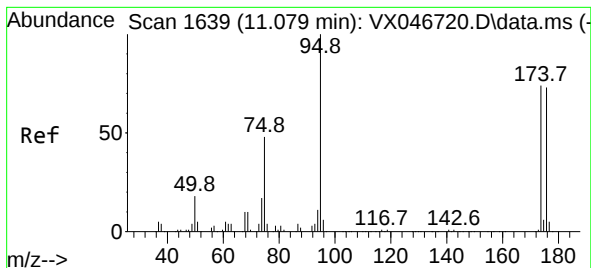
Tgt Ion: 98 Resp: 265443
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#52
Toluene
Concen: 0.548 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion: 92 Resp: 2170
Ion Ratio Lower Upper
92 100
91 168.0 134.8 202.2

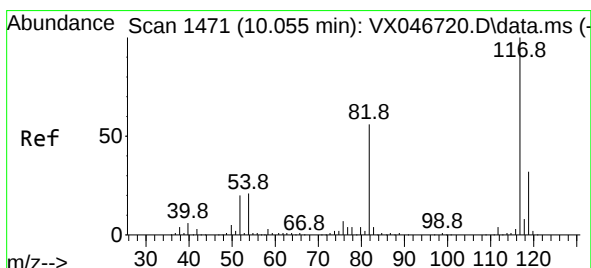
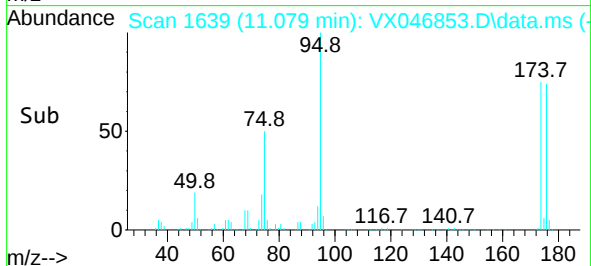
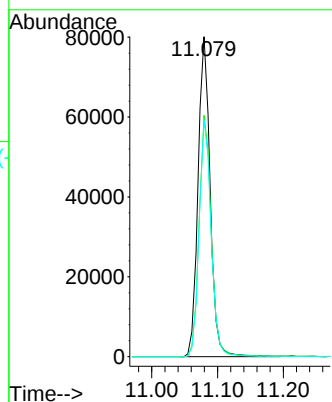
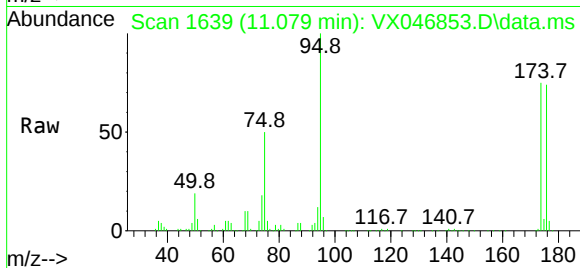




#62
4-Bromofluorobenzene
Concen: 51.290 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

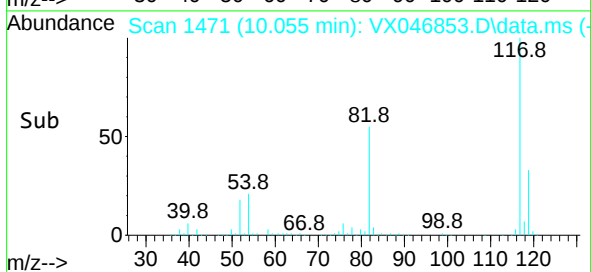
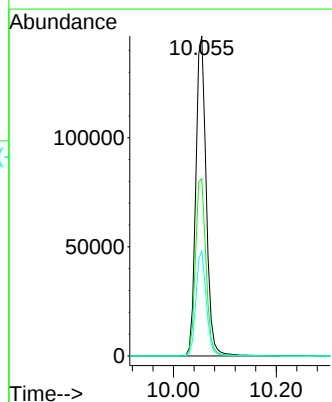
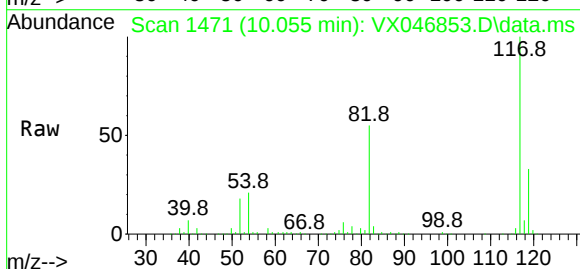
Instrument :
MSVOA_X
ClientSampleId :

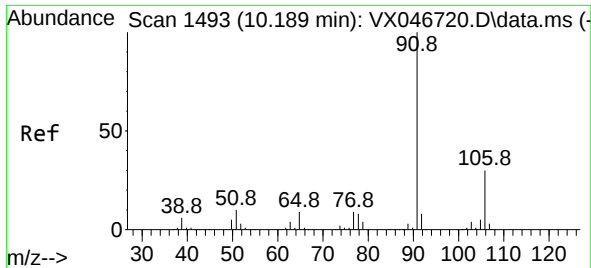
Tgt Ion: 95 Resp: 102666
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.4
176 73.7 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion: 117 Resp: 206621
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 32.8 25.8 38.8

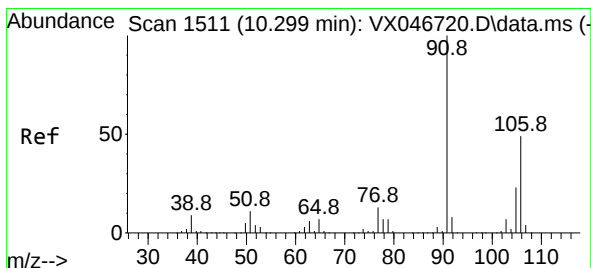
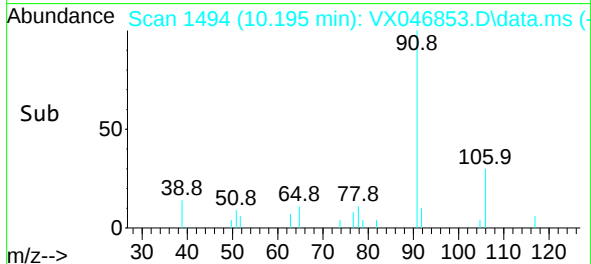
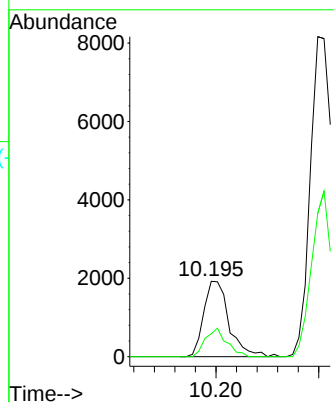
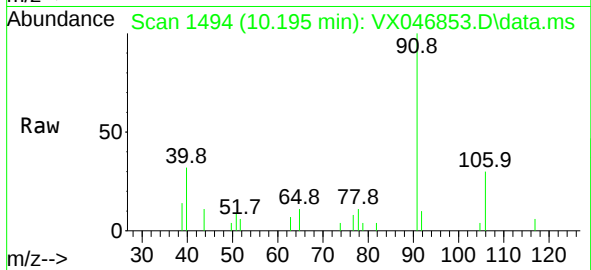




#67
Ethyl Benzene
Concen: 0.413 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

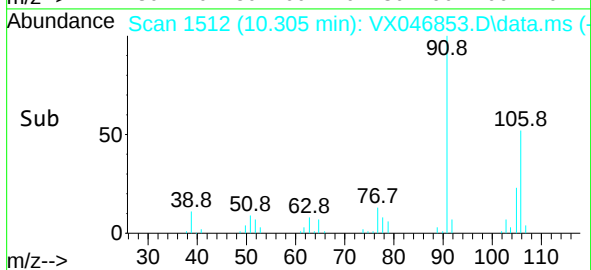
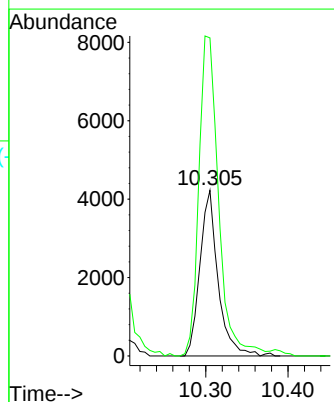
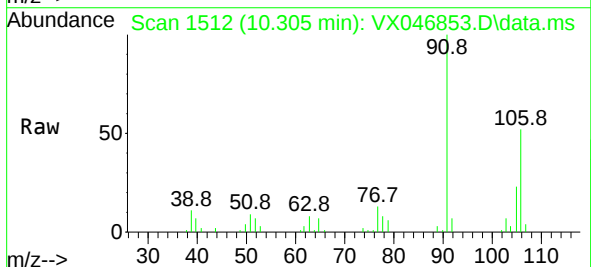
Instrument :
MSVOA_X
ClientSampleId :

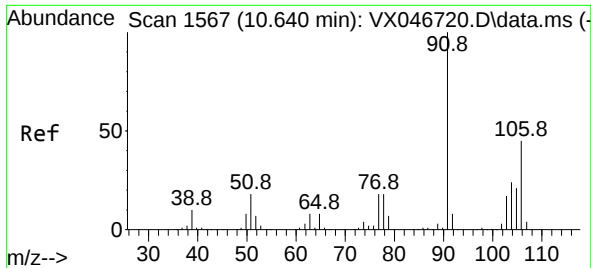
Tgt Ion: 91 Resp: 3289
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2



#68
m/p-Xylenes
Concen: 2.191 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion: 106 Resp: 6507
Ion Ratio Lower Upper
106 100
91 209.5 164.8 247.2

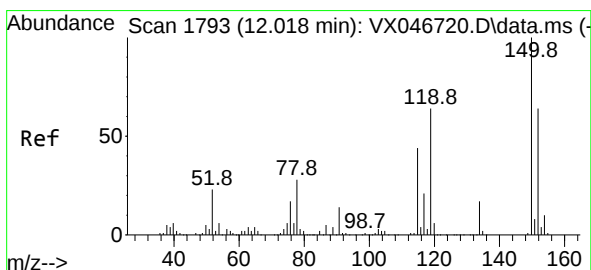
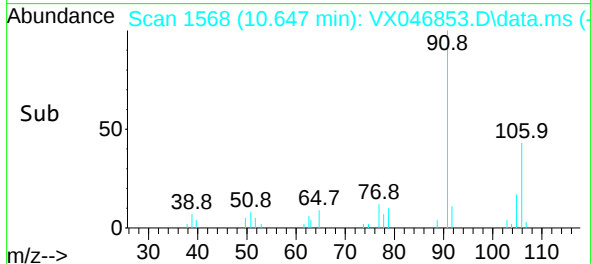
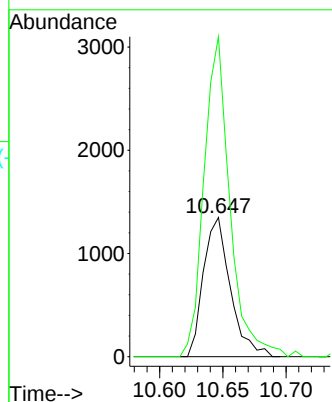
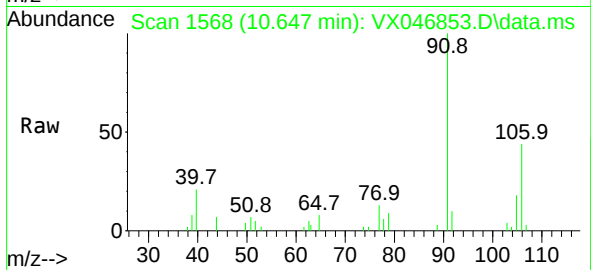




#69
o-Xylene
Concen: 0.719 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

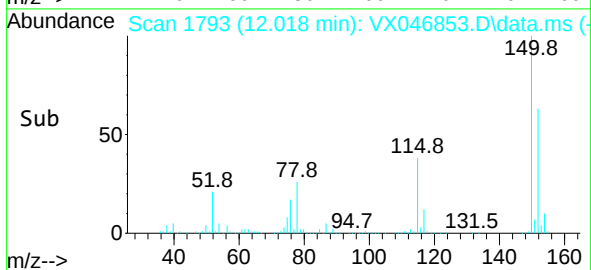
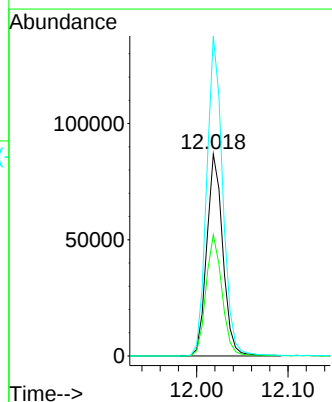
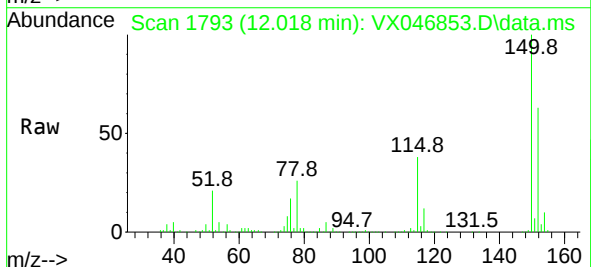
Instrument :
MSVOA_X
ClientSampleId :

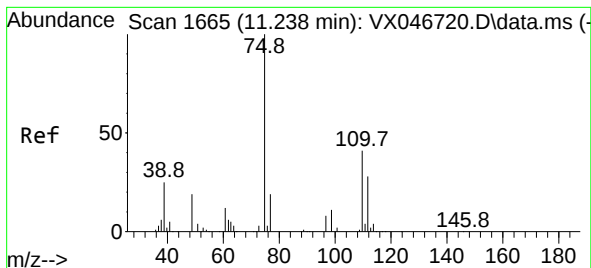
Tgt Ion:106 Resp: 2001
Ion Ratio Lower Upper
106 100
91 221.4 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion:152 Resp: 105641
Ion Ratio Lower Upper
152 100
115 59.7 43.2 129.6
150 157.9 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 26.397 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Instrument :

MSVOA_X

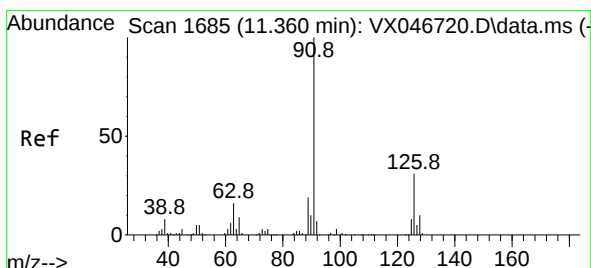
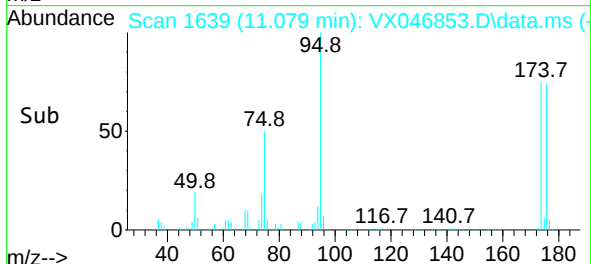
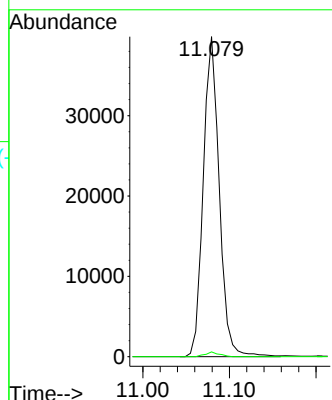
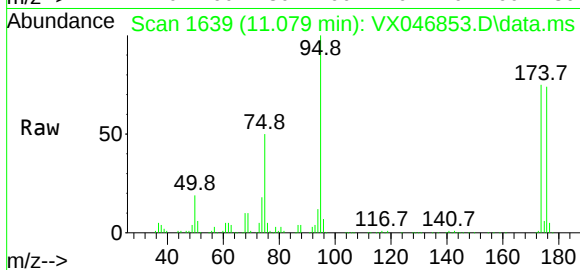
ClientSampleId :

Tgt Ion: 75 Resp: 51074

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#79

2-Chlorotoluene

Concen: 0.225 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.018 min

Lab File: VX046853.D

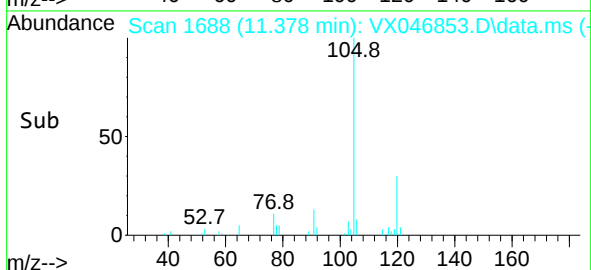
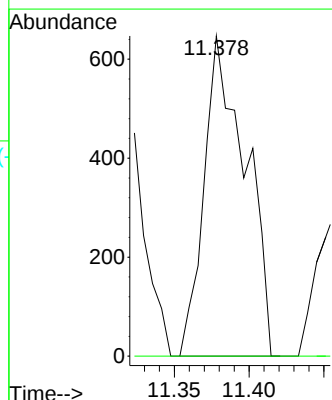
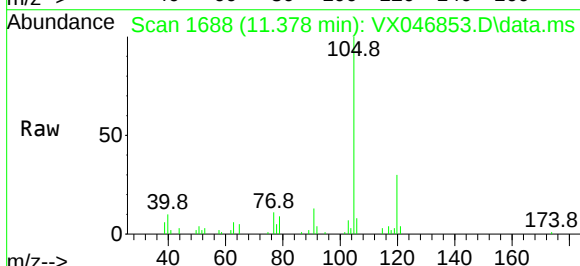
Acq: 01 Jul 2025 12:36

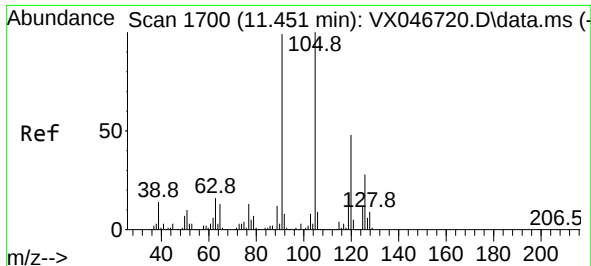
Tgt Ion: 91 Resp: 1241

Ion Ratio Lower Upper

91 100

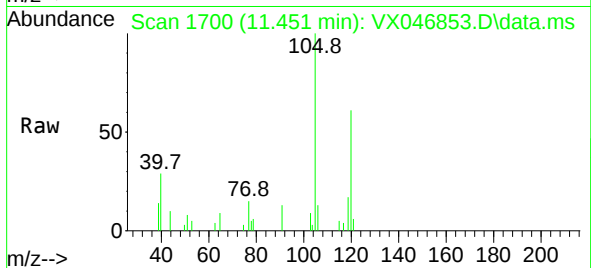
126 0.0 16.6 49.7#



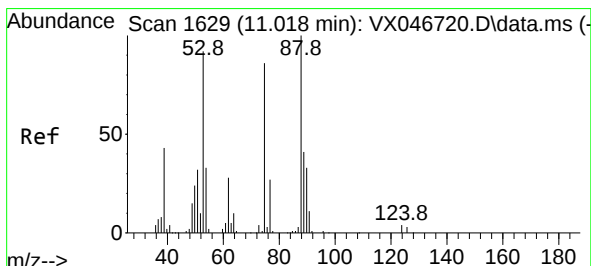
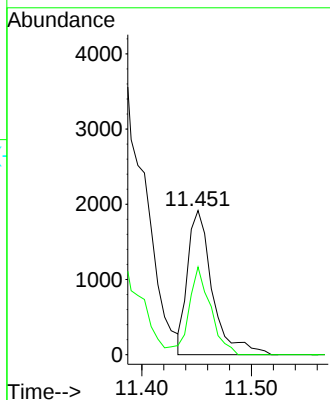
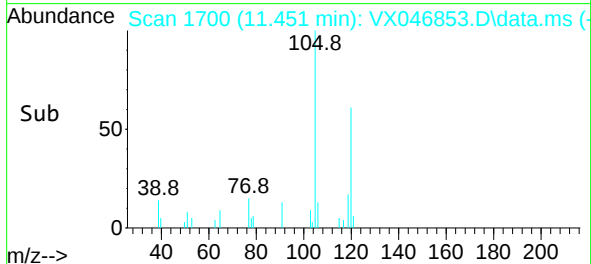


#80
1,3,5-Trimethylbenzene
Concen: 0.470 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Instrument :
MSVOA_X
ClientSampleId :

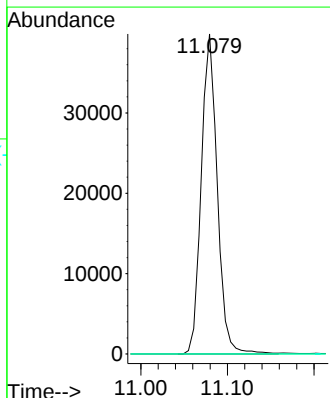
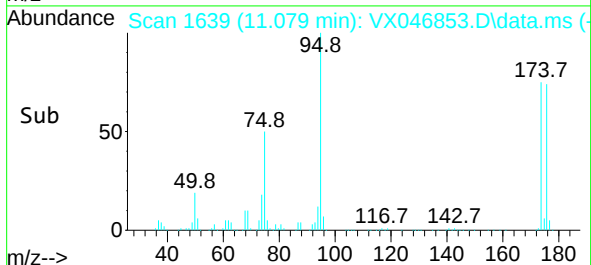
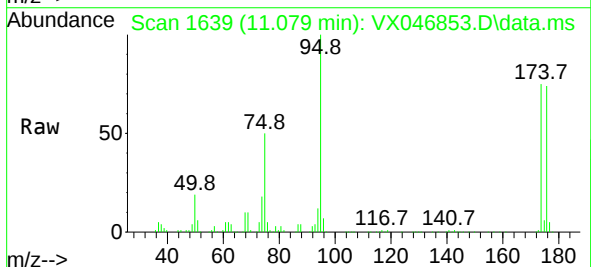


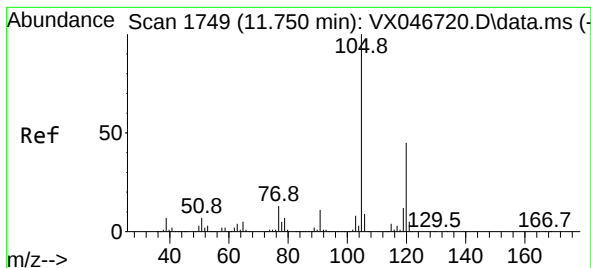
Tgt Ion:105 Resp: 3008
Ion Ratio Lower Upper
105 100
120 52.6 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 74.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046853.D
Acq: 01 Jul 2025 12:36

Tgt Ion: 75 Resp: 51074
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: 1.404 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Instrument :

MSVOA_X

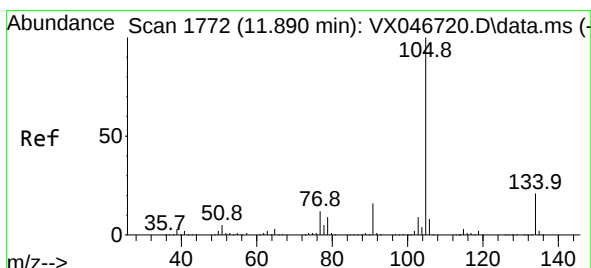
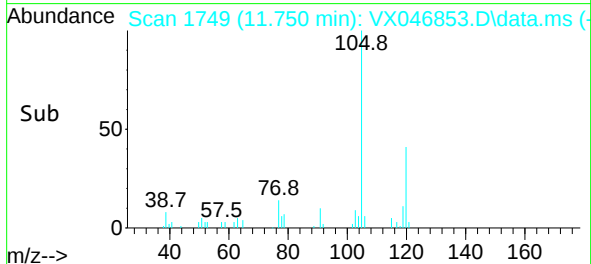
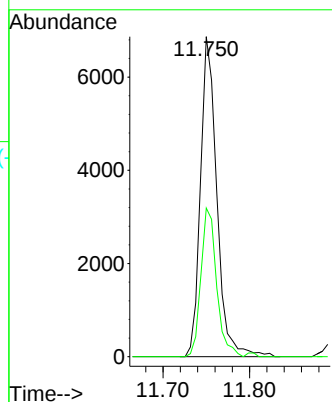
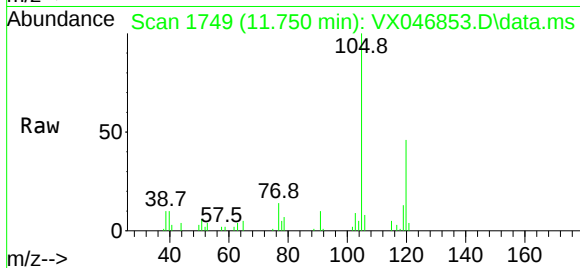
ClientSampleId :

Tgt Ion:105 Resp: 9019

Ion Ratio Lower Upper

105 100

120 44.4 22.1 66.3



#85

sec-Butylbenzene

Concen: 1.080 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX046853.D

Acq: 01 Jul 2025 12:36

Tgt Ion:105 Resp: 9019

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

