

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046854.D
 Acq On : 01 Jul 2025 12:57
 Operator : JC/MD
 Sample : Q2455-02 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 01:40:39 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)

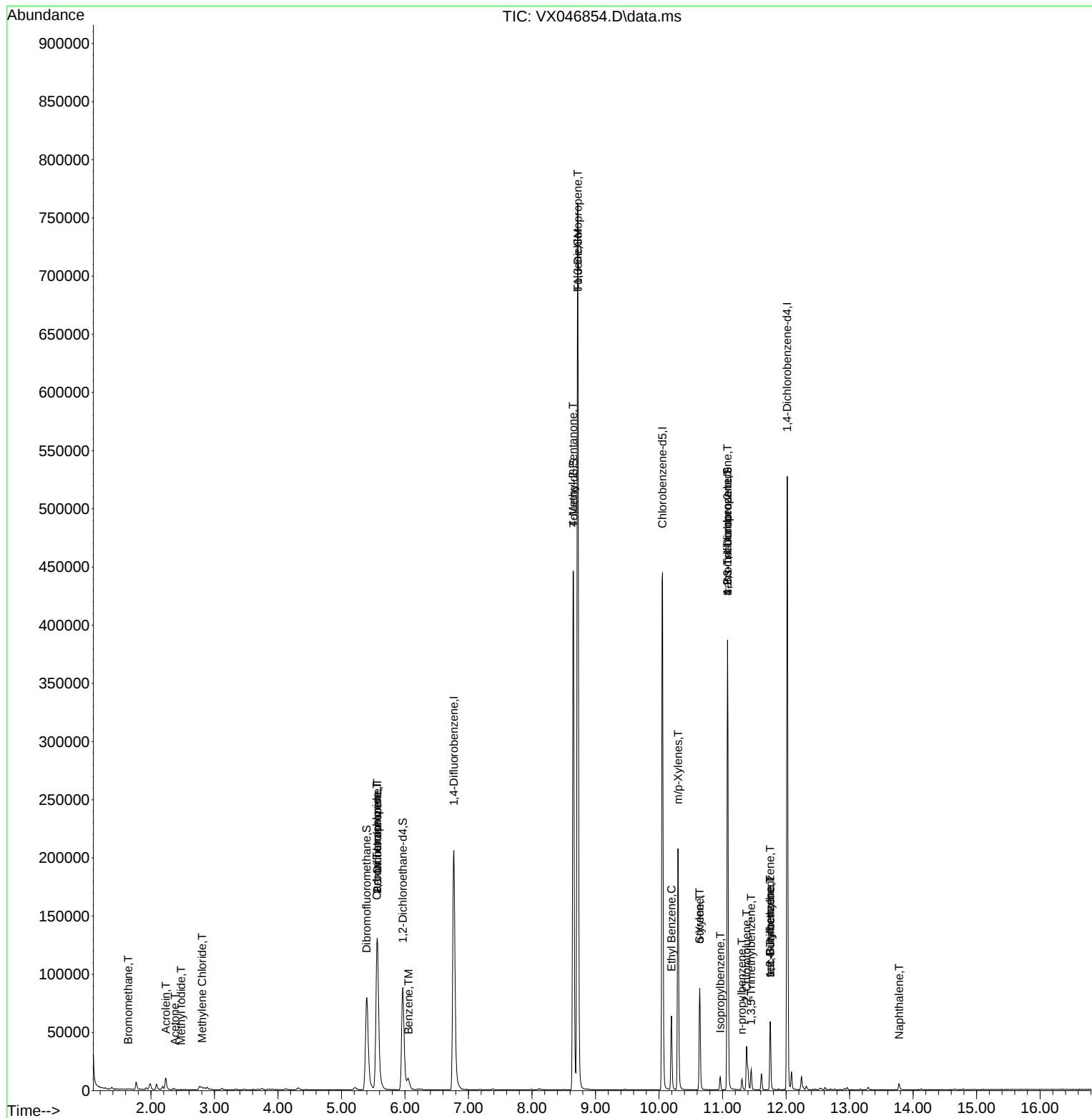
Internal Standards						
1) Pentafluorobenzene	5.562	168	136566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	92872	49.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.340%			
35) Dibromofluoromethane	5.397	113	76420	50.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	8.653	98	274804	50.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	105885	52.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.480%			
Target Compounds					Qvalue	
5) Bromomethane	1.642	94	270	0.286	ug/l #	71
10) Methyl Iodide	2.477	142	257	4.454	ug/l #	56
13) Acrolein	2.233	56	270	1.093	ug/l #	1
16) Acetone	2.380	43	902	1.432	ug/l #	44
20) Methylene Chloride	2.806	84	459	0.262	ug/l #	80
36) 1,1-Dichloropropene	5.562	75	10628	4.865	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13758	5.803	ug/l #	16
40) Benzene	6.056	78	10382	1.606	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	1301	0.691	ug/l #	1
52) Toluene	8.720	92	295122	73.628	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	3460	1.587	ug/l #	1
67) Ethyl Benzene	10.195	91	37855	4.642	ug/l	99
68) m/p-Xylenes	10.299	106	48516	15.968	ug/l	98
69) o-Xylene	10.640	106	20047	7.040	ug/l	96
70) Styrene	10.640	104	1025	0.206	ug/l #	1
73) Isopropylbenzene	10.963	105	5901	0.750	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	53526	27.368	ug/l #	39
78) n-propylbenzene	11.305	91	6414	0.687	ug/l	97
79) 2-Chlorotoluene	11.378	91	3524	0.632	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	9013	1.395	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	53526	77.359	ug/l #	7
83) tert-Butylbenzene	11.750	119	3240	0.485	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.750	105	27581	4.248	ug/l	99
85) sec-Butylbenzene	11.750	105	27581	3.267	ug/l #	57
95) Naphthalene	13.780	128	4691	0.672	ug/l	98

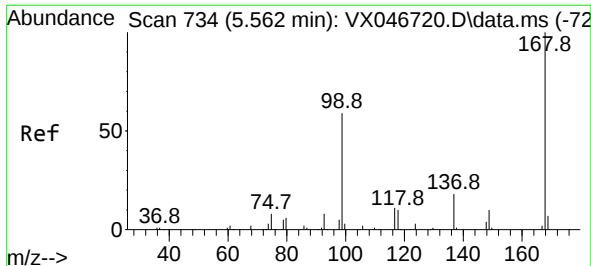
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046854.D
Acq On : 01 Jul 2025 12:57
Operator : JC/MD
Sample : Q2455-02 500X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

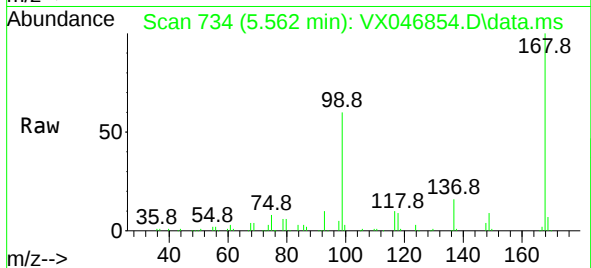
Quant Time: Jul 02 01:40:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



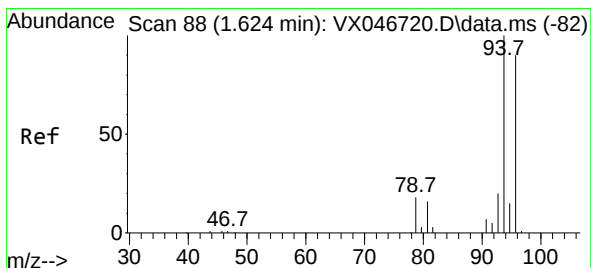
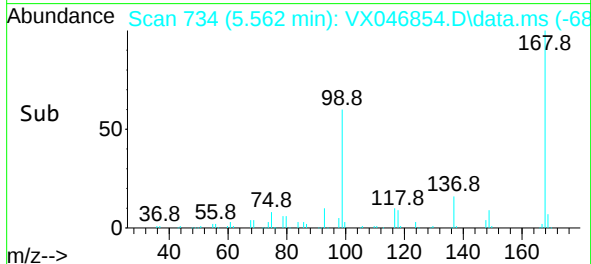
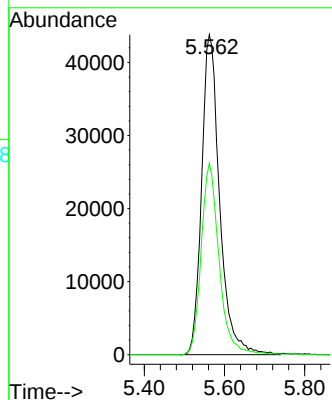


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

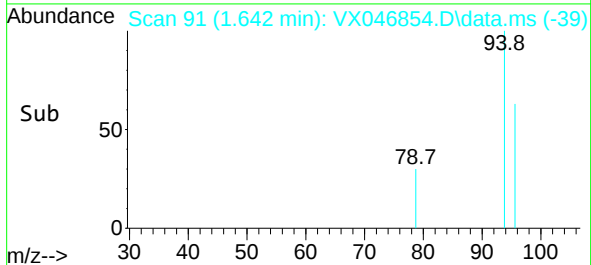
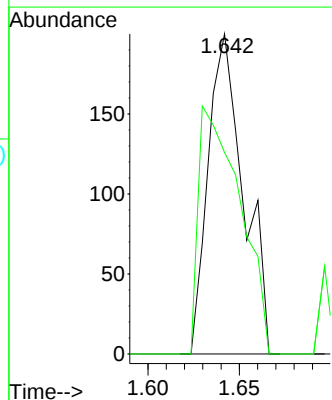
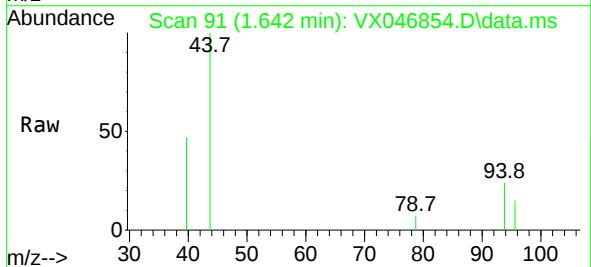


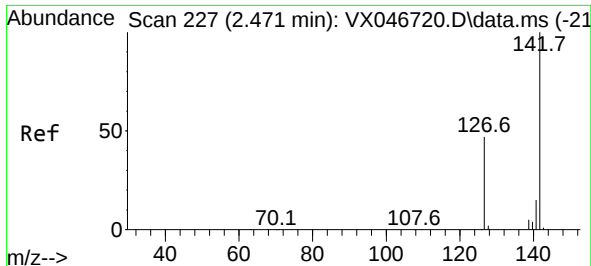
Tgt Ion:168 Resp: 136566
Ion Ratio Lower Upper
168 100
99 59.9 48.5 72.7



#5
Bromomethane
Concen: 0.286 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

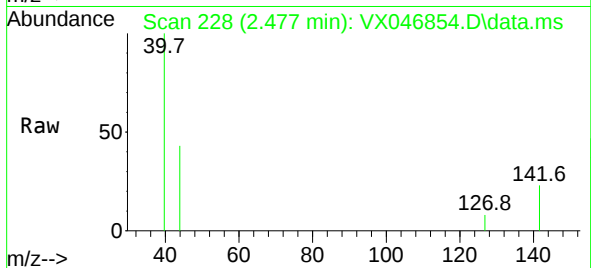
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 63.0 72.3 108.5#



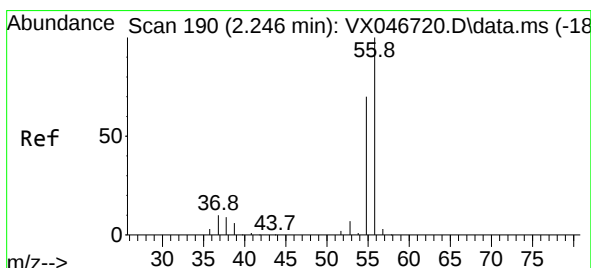
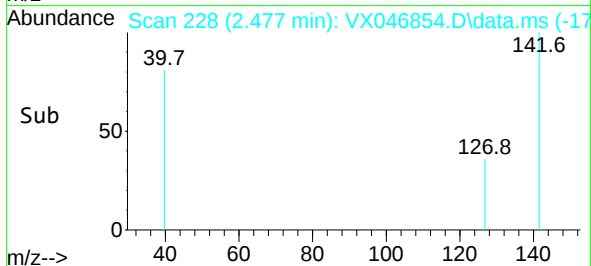
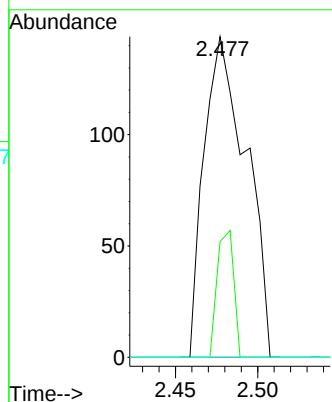


#10
Methyl Iodide
Concen: 4.454 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

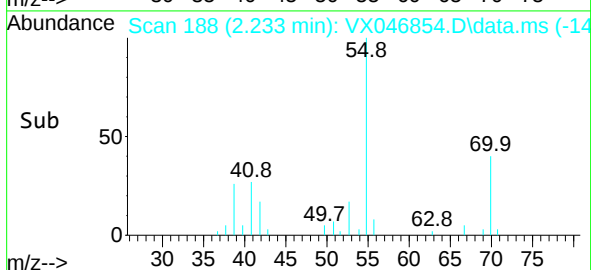
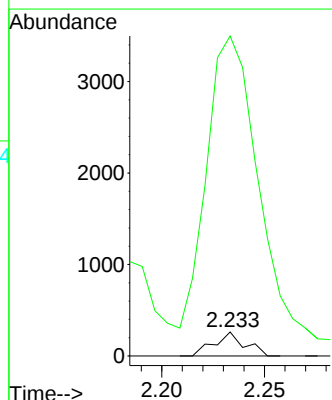
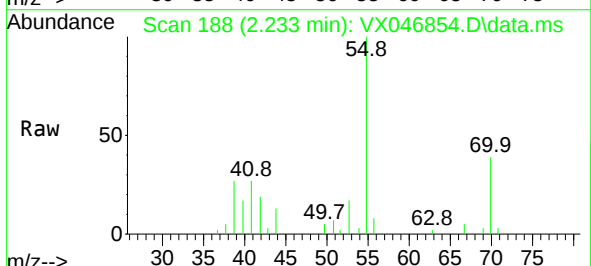


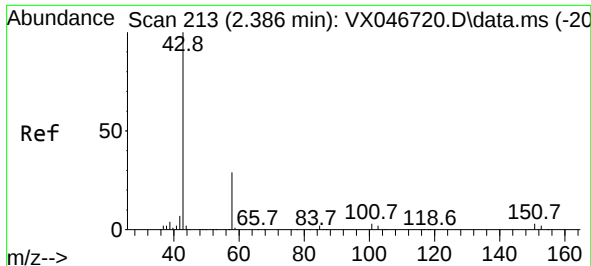
Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 15.6 37.0 55.6#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 1.093 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

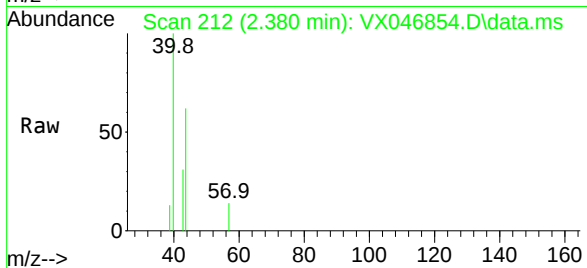
Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 2489.6 55.2 82.8#



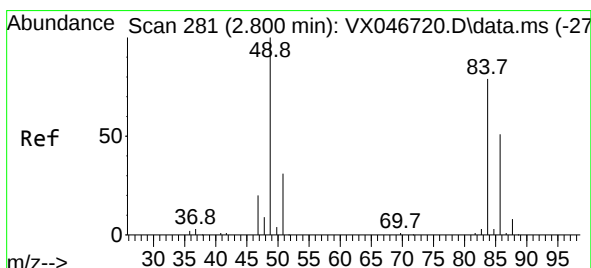
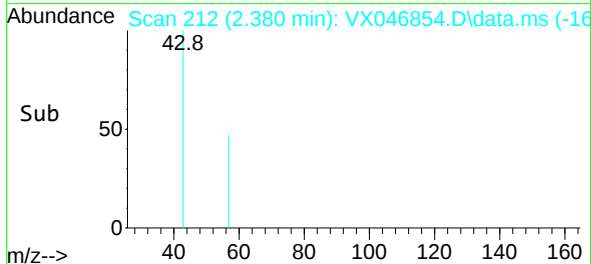
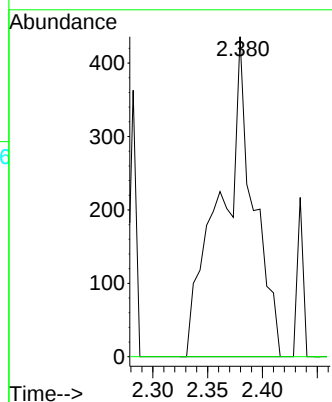


#16
Acetone
Concen: 1.432 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

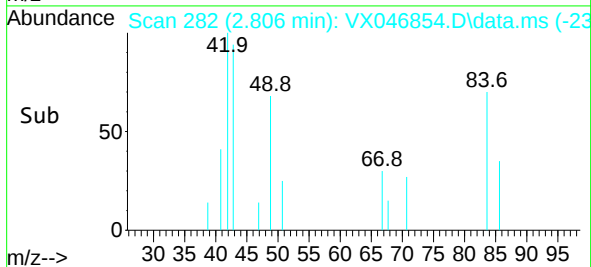
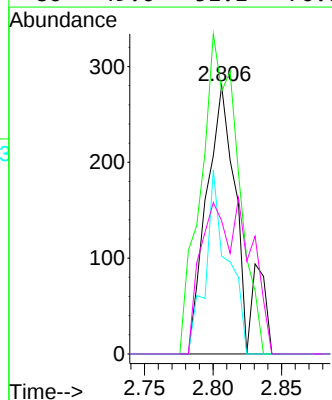
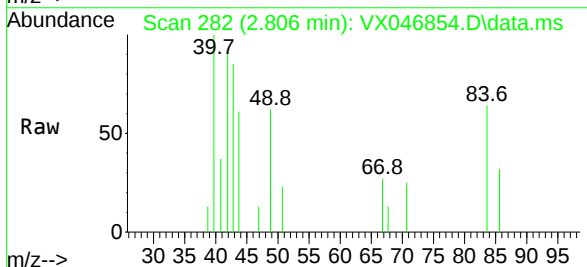


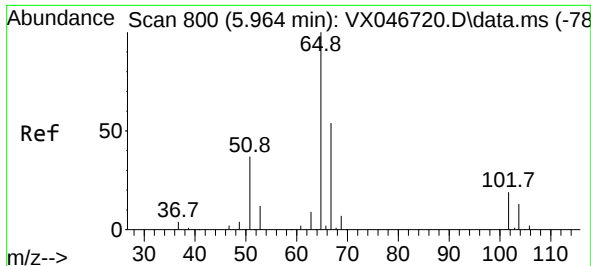
Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

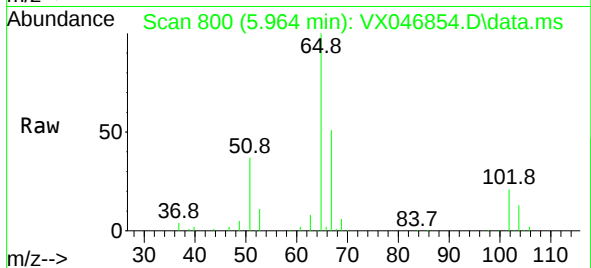
Tgt Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 97.9 101.3 151.9#
51 36.4 31.0 46.6
86 49.6 51.1 76.7#



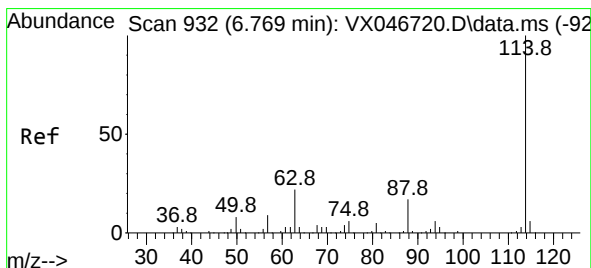
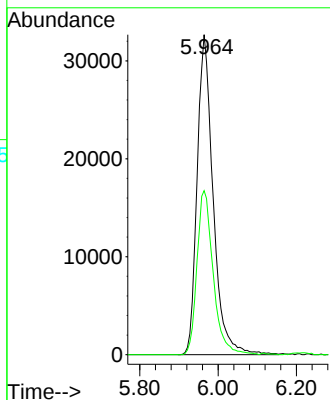
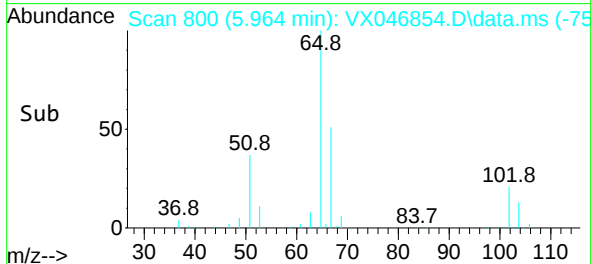


#33
1,2-Dichloroethane-d4
Concen: 49.166 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

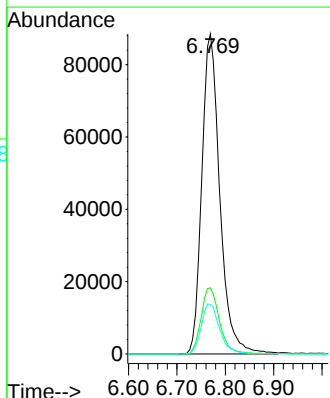
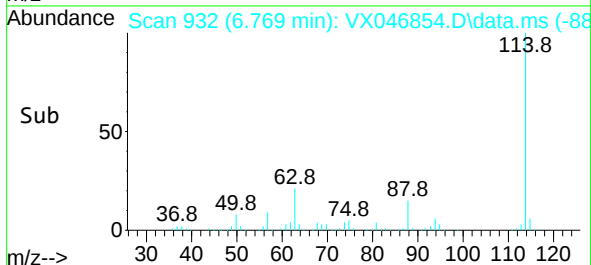
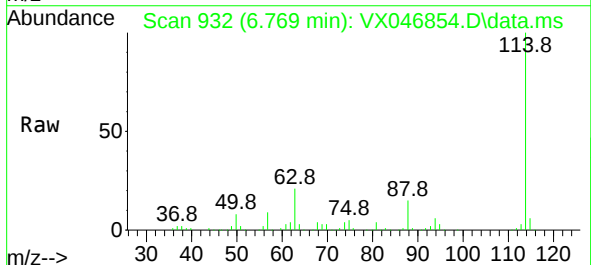


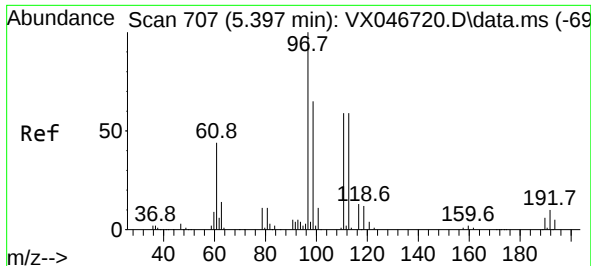
Tgt Ion: 65 Resp: 92872
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

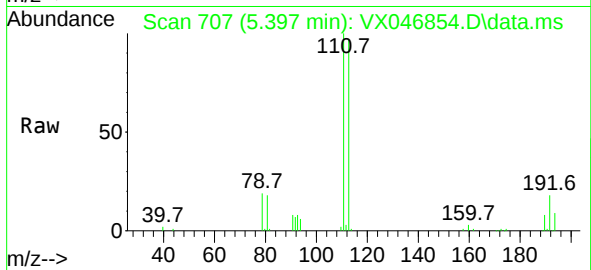
Tgt Ion: 114 Resp: 228743
Ion Ratio Lower Upper
114 100
63 20.6 0.0 44.2
88 15.4 0.0 33.2



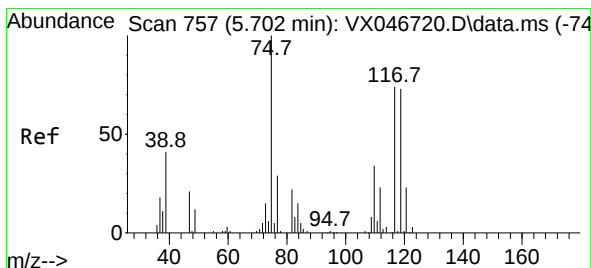
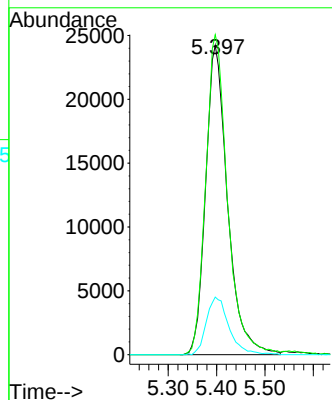
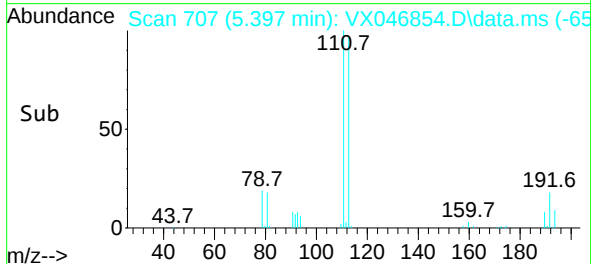


#35
Dibromofluoromethane
Concen: 50.494 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

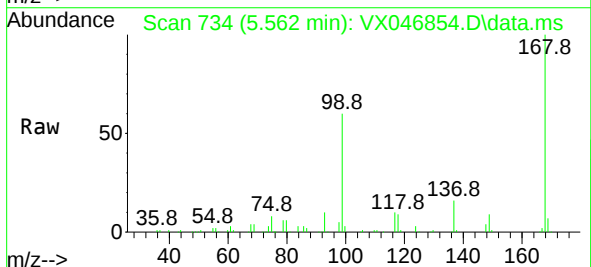
Instrument :
MSVOA_X
ClientSampleId :



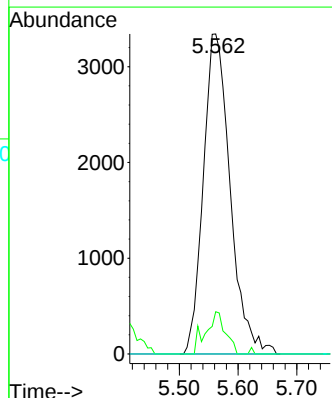
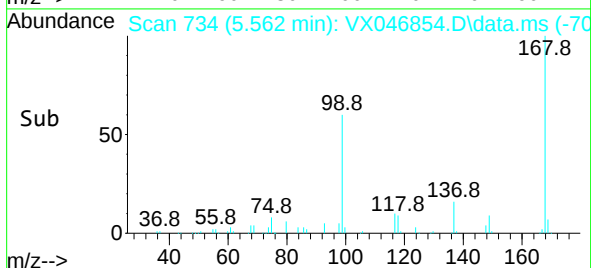
Tgt Ion:113 Resp: 76420
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 19.0 15.3 22.9

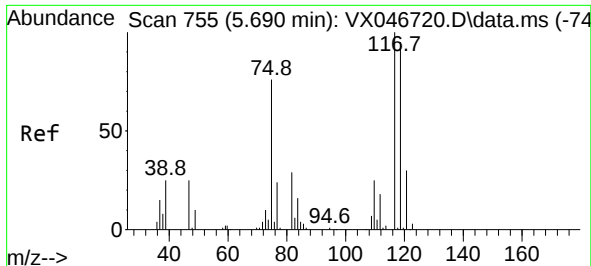


#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57



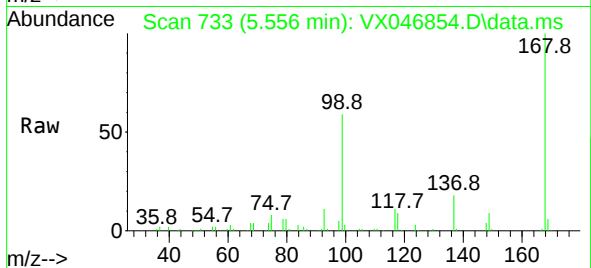
Tgt Ion: 75 Resp: 10628
Ion Ratio Lower Upper
75 100
110 9.6 17.2 51.5#
77 0.0 24.2 36.4#



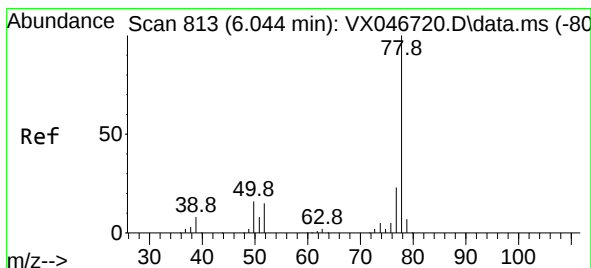
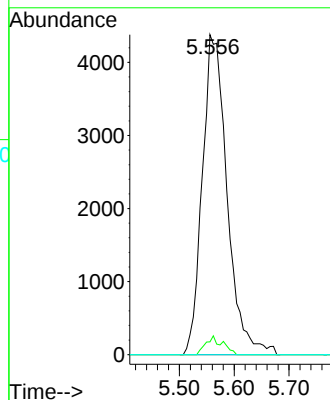
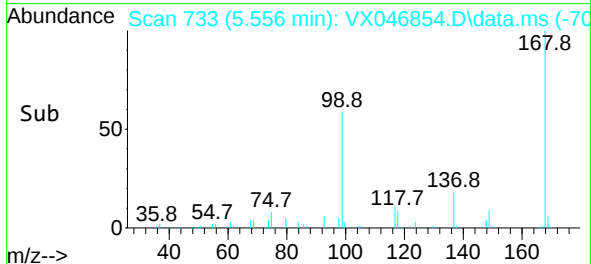


#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

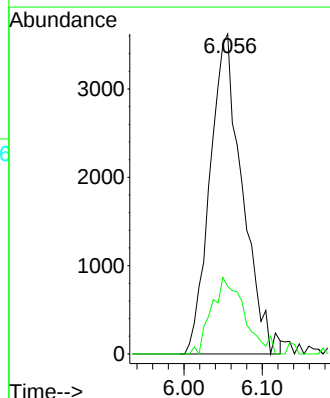
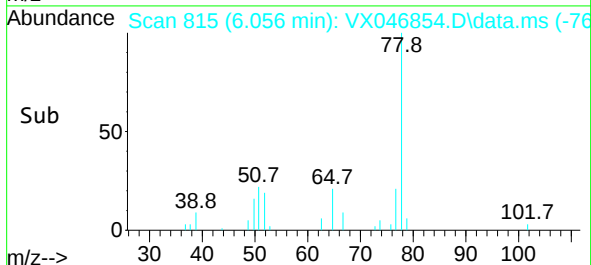
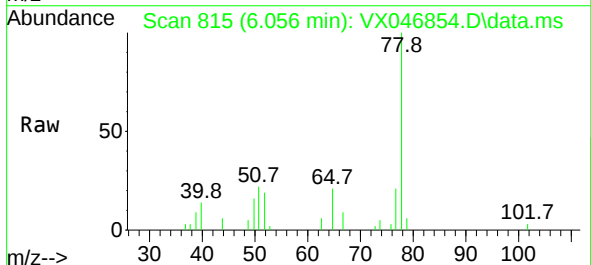


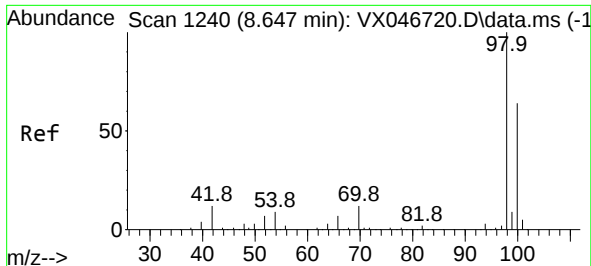
Tgt Ion:117 Resp: 13758
Ion Ratio Lower Upper
117 100
119 4.0 75.2 112.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 1.606 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.012 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion: 78 Resp: 10382
Ion Ratio Lower Upper
78 100
77 21.1 18.8 28.2

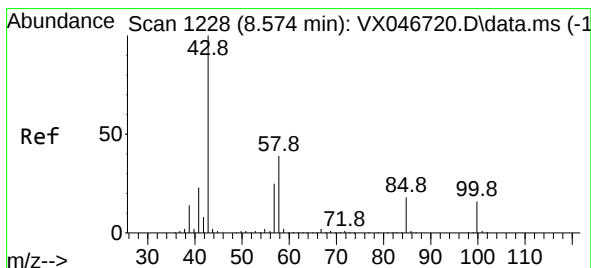
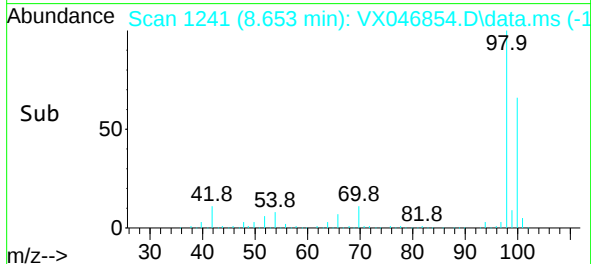
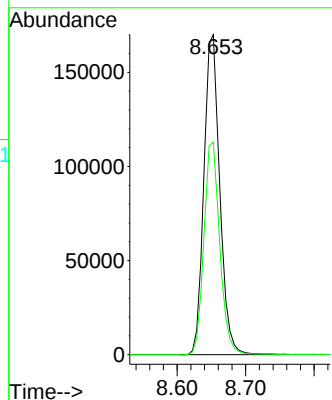
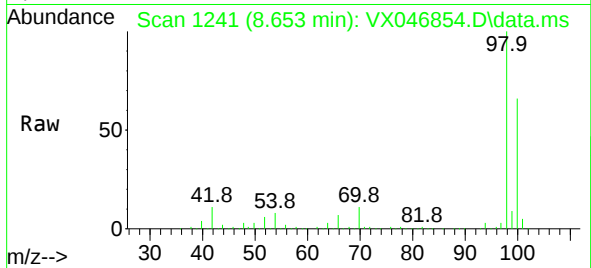




#50
Toluene-d8
Concen: 50.539 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

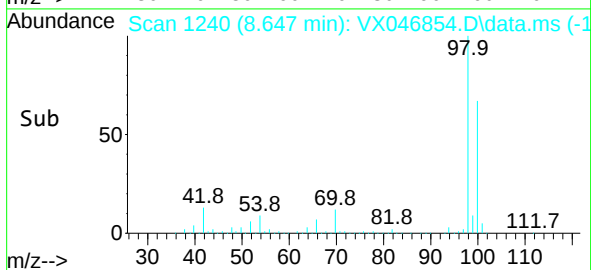
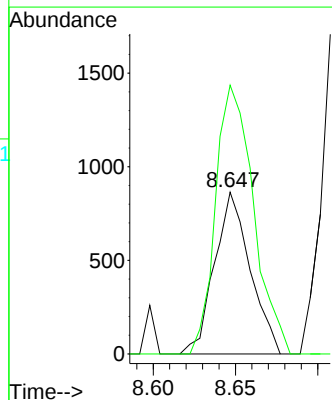
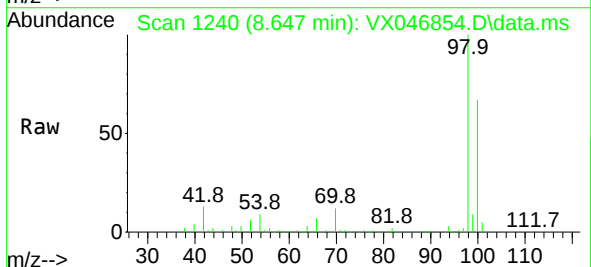
Instrument :
MSVOA_X
ClientSampleId :

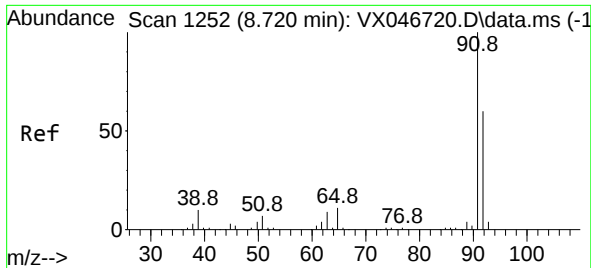
Tgt Ion: 98 Resp: 274804
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.691 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
58 177.0 30.8 46.2#

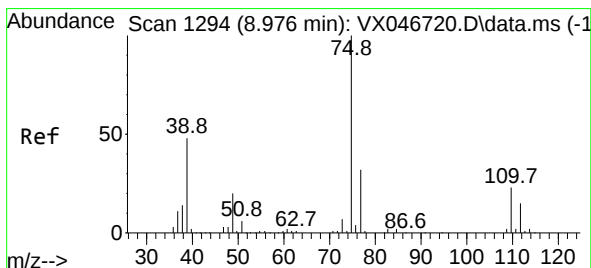
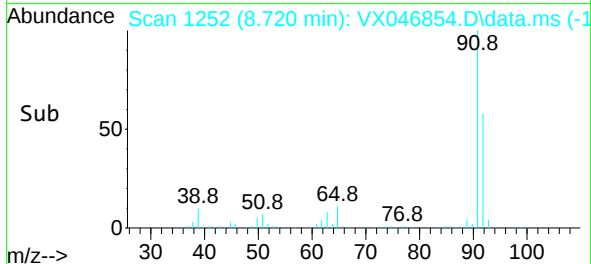
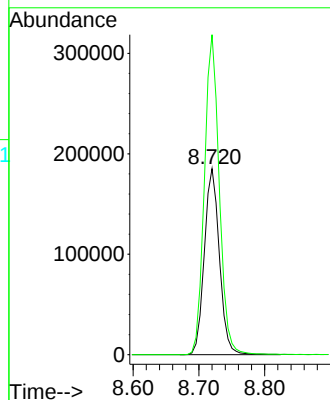
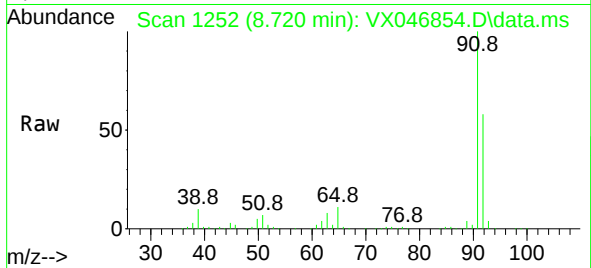




#52
Toluene
Concen: 73.628 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

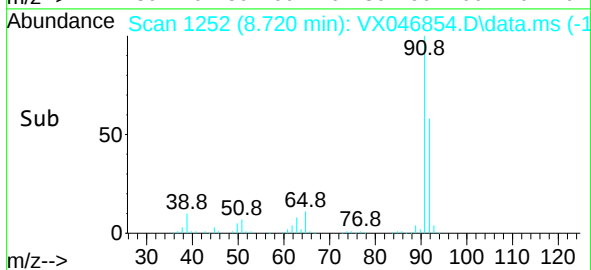
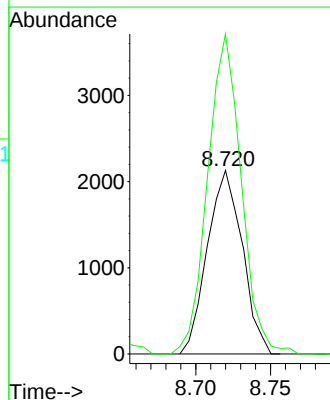
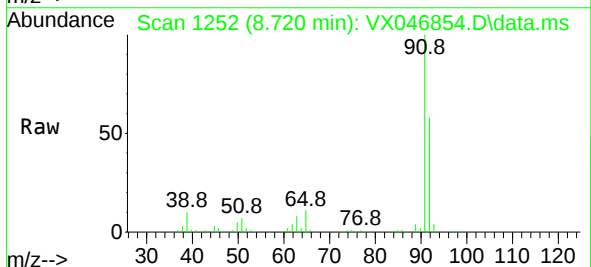
Instrument :
MSVOA_X
ClientSampleId :

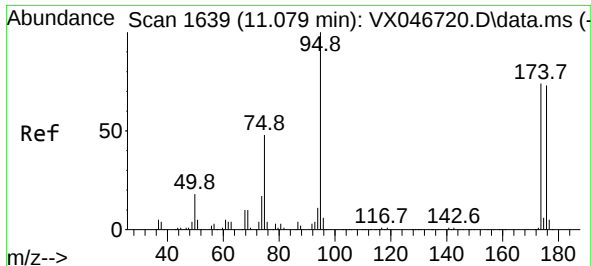
Tgt Ion: 92 Resp: 295122
Ion Ratio Lower Upper
92 100
91 170.1 134.8 202.2



#53
t-1,3-Dichloropropene
Concen: 1.587 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

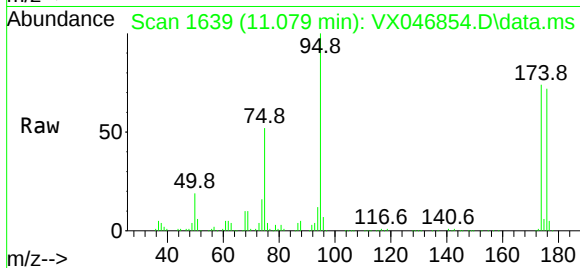
Tgt Ion: 75 Resp: 3460
Ion Ratio Lower Upper
75 100
77 171.3 25.6 38.4#



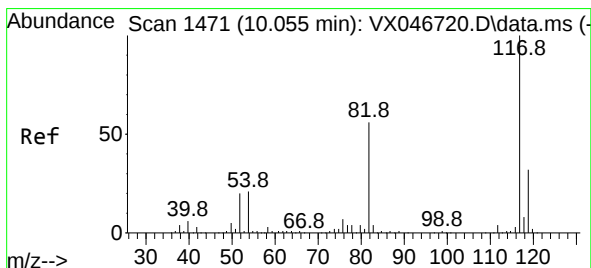
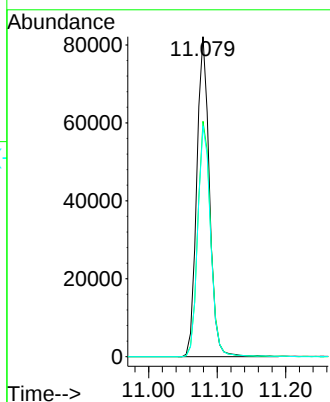
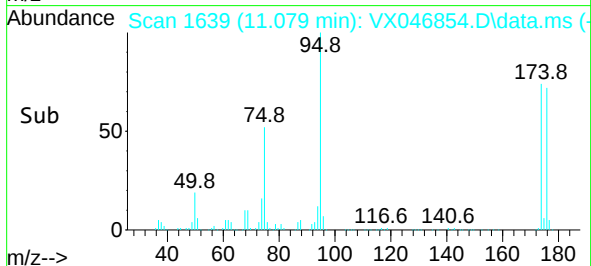


#62
4-Bromofluorobenzene
Concen: 52.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :

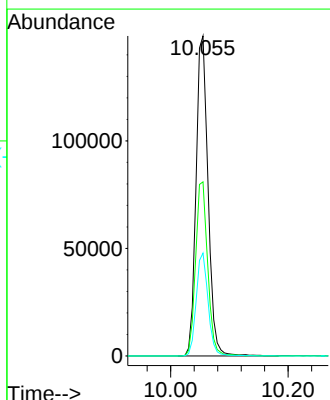
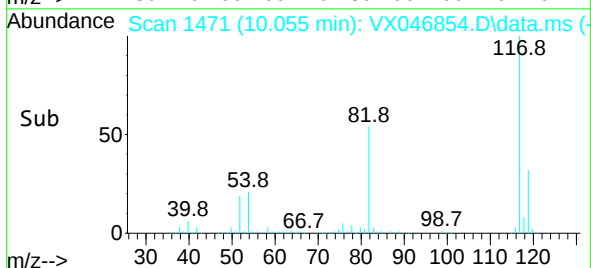
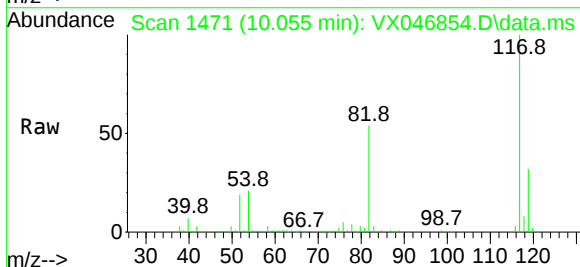


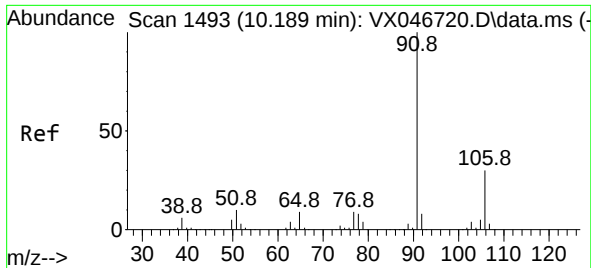
Tgt Ion: 95 Resp: 105885
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.4
176 73.3 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion: 117 Resp: 211414
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 32.2 25.8 38.8

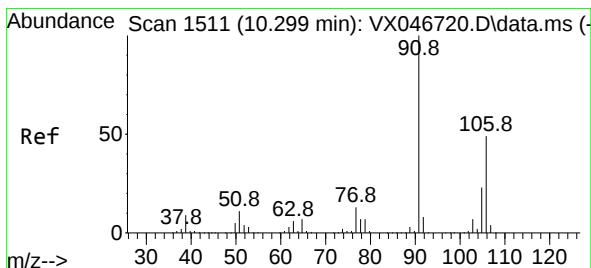
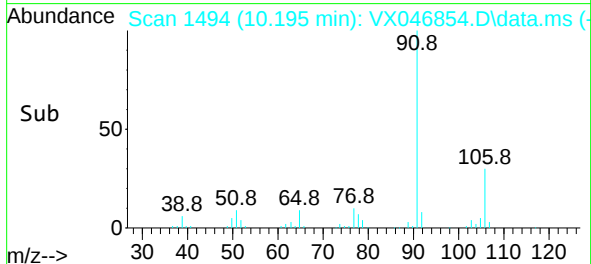
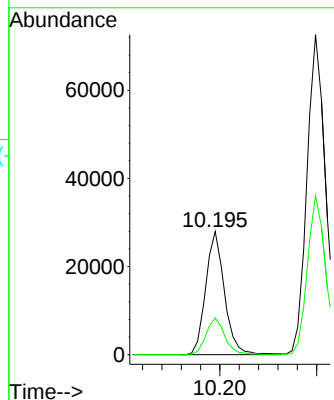
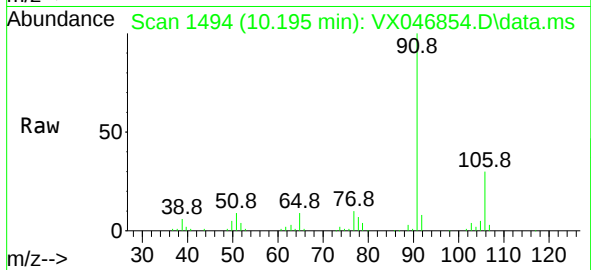




#67
Ethyl Benzene
Concen: 4.642 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

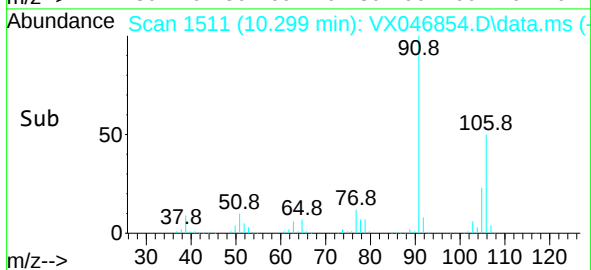
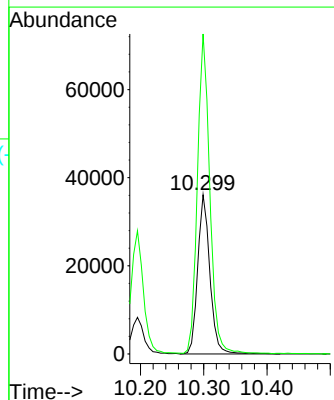
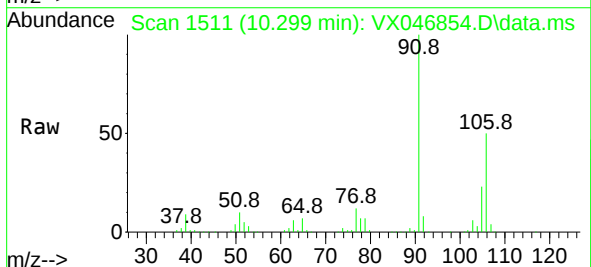
Instrument :
MSVOA_X
ClientSampleId :

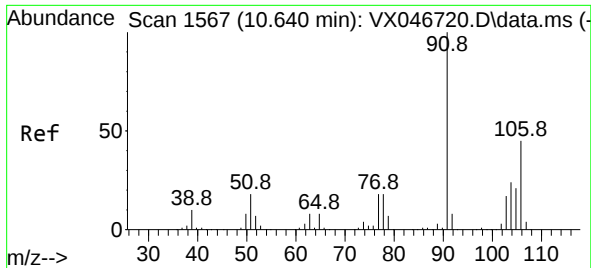
Tgt Ion: 91 Resp: 37855
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2



#68
m/p-Xylenes
Concen: 15.968 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion:106 Resp: 48516
Ion Ratio Lower Upper
106 100
91 203.5 164.8 247.2

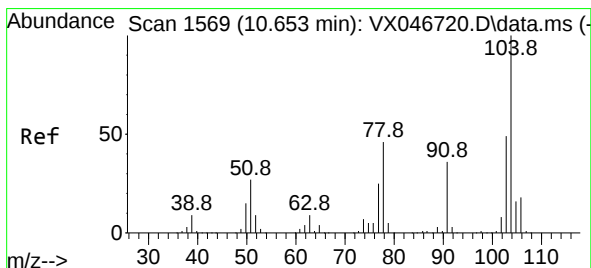
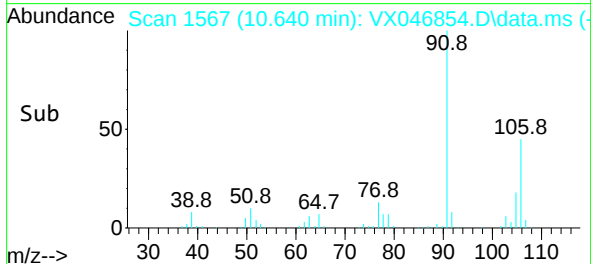
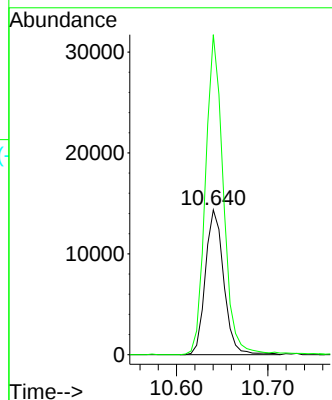
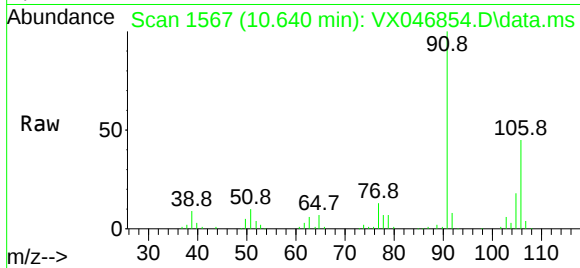




#69
o-Xylene
Concen: 7.040 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

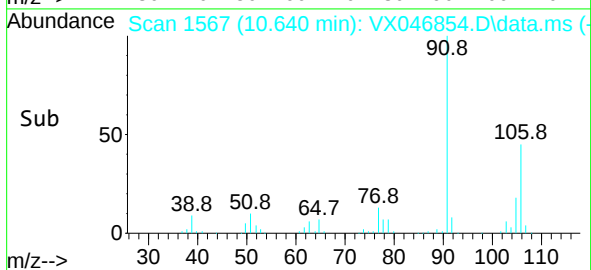
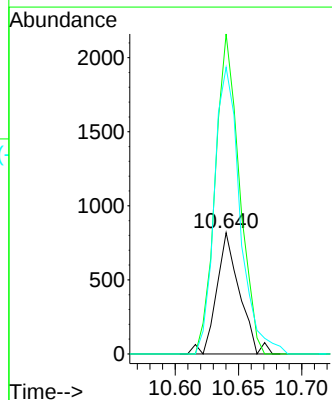
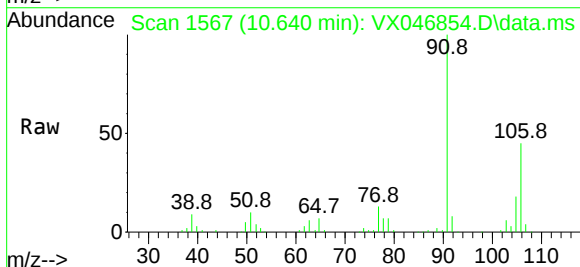
Instrument :
MSVOA_X
ClientSampleId :

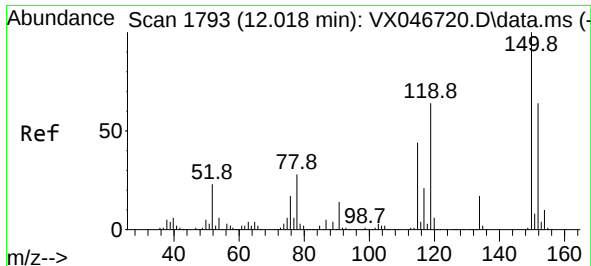
Tgt Ion:106 Resp: 20047
Ion Ratio Lower Upper
106 100
91 216.6 111.3 333.9



#70
Styrene
Concen: 0.206 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.012 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion:104 Resp: 1025
Ion Ratio Lower Upper
104 100
78 279.5 41.4 62.2#
103 266.8 43.1 64.7#

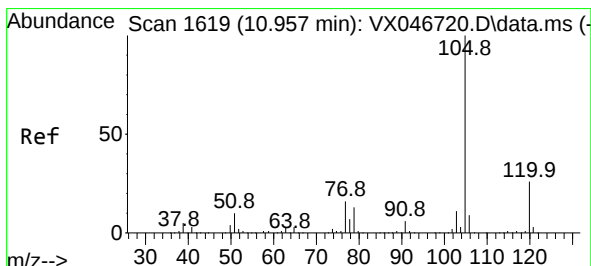
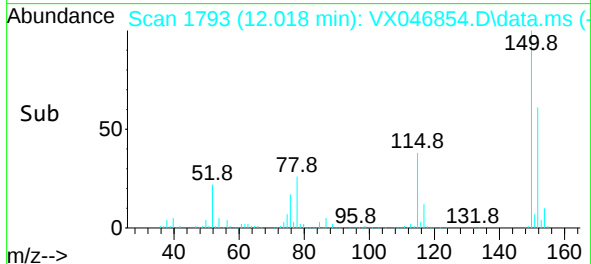
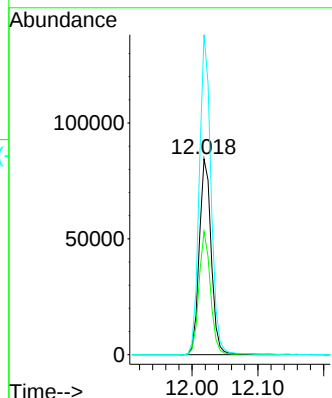
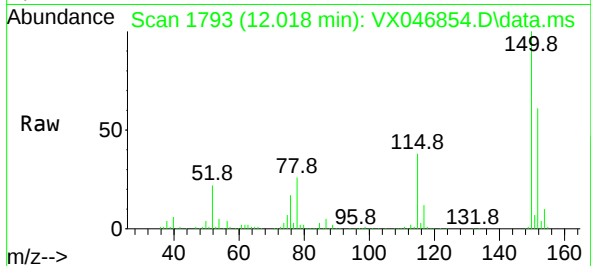




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

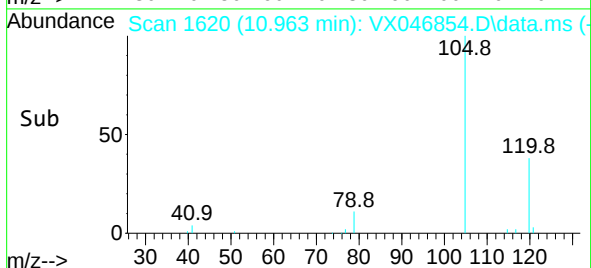
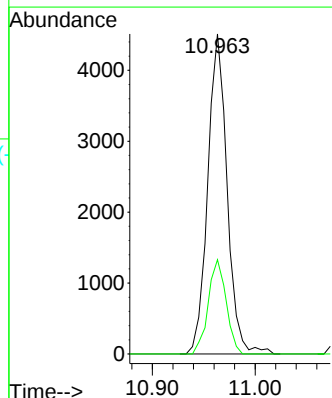
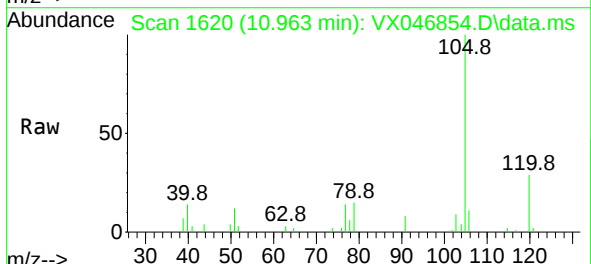
Instrument :
MSVOA_X
ClientSampleId :

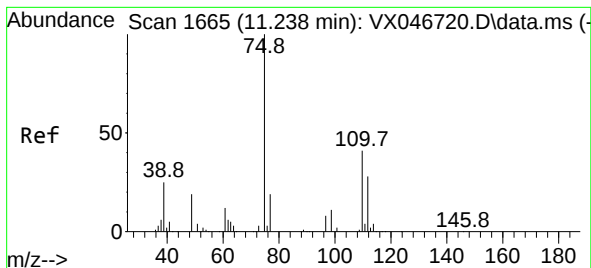
Tgt Ion:152 Resp: 106783
Ion Ratio Lower Upper
152 100
115 60.4 43.2 129.6
150 160.2 0.0 346.8



#73
Isopropylbenzene
Concen: 0.750 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Tgt Ion:105 Resp: 5901
Ion Ratio Lower Upper
105 100
120 27.2 13.0 39.0





#76

1,2,3-Trichloropropane

Concen: 27.368 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046854.D

Acq: 01 Jul 2025 12:57

Instrument :

MSVOA_X

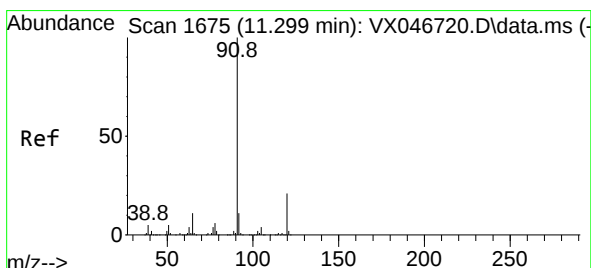
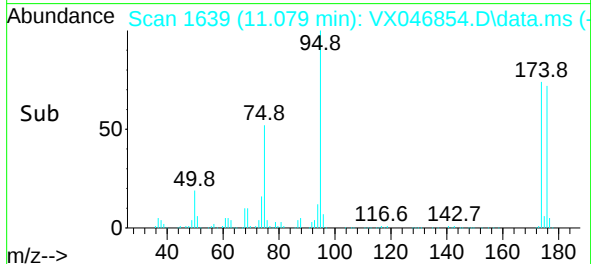
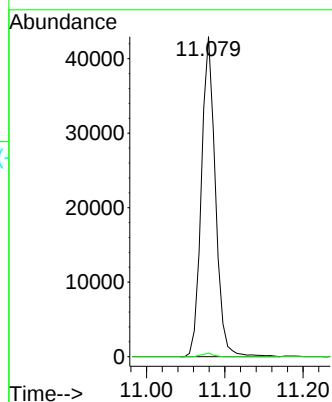
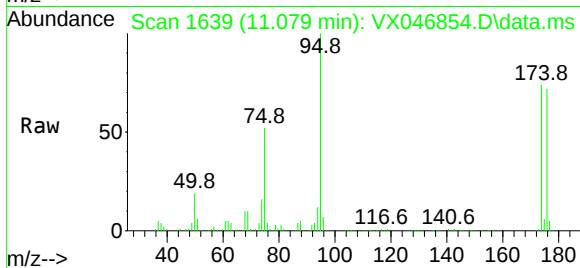
ClientSampleId :

Tgt Ion: 75 Resp: 53526

Ion Ratio Lower Upper

75 100

77 0.9 18.5 55.5#



#78

n-propylbenzene

Concen: 0.687 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046854.D

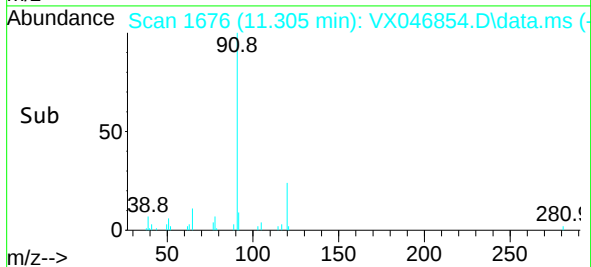
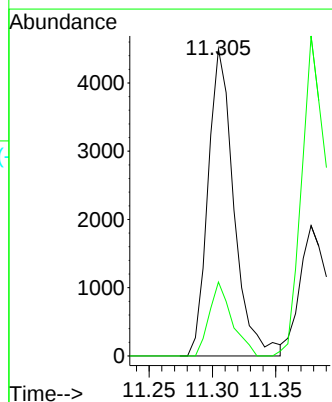
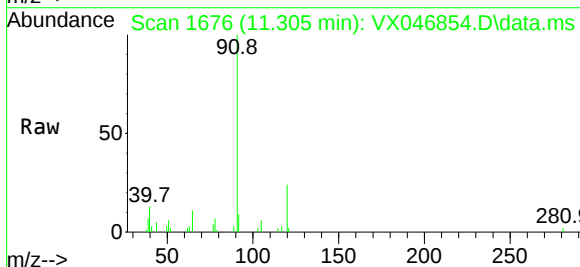
Acq: 01 Jul 2025 12:57

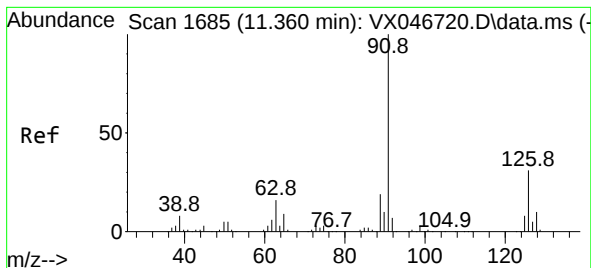
Tgt Ion: 91 Resp: 6414

Ion Ratio Lower Upper

91 100

120 21.1 11.4 34.1





#79

2-Chlorotoluene

Concen: 0.632 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX046854.D

Acq: 01 Jul 2025 12:57

Instrument :

MSVOA_X

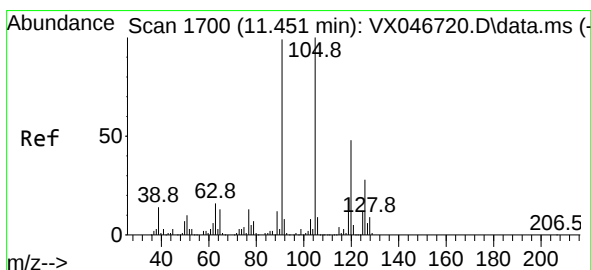
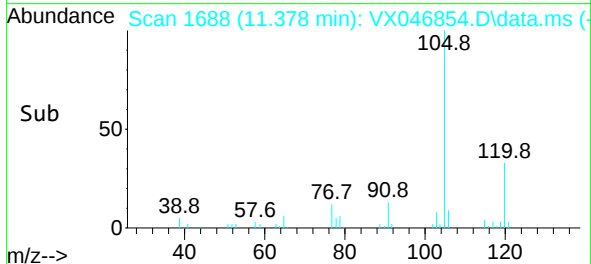
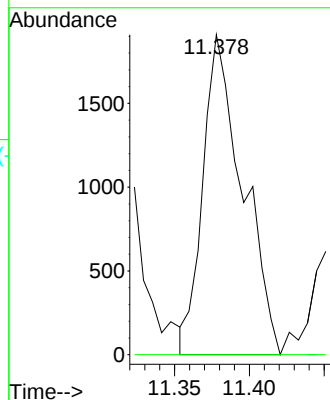
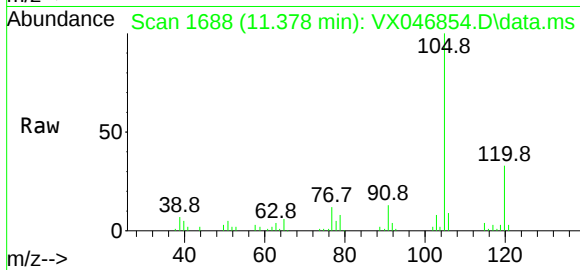
ClientSampleId :

Tgt Ion: 91 Resp: 3524

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#80

1,3,5-Trimethylbenzene

Concen: 1.395 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046854.D

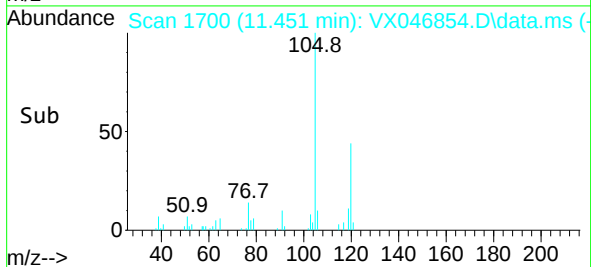
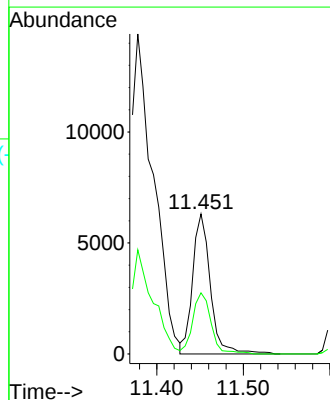
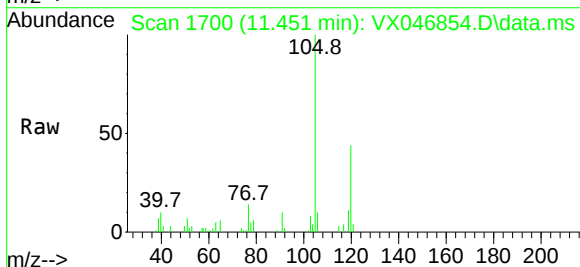
Acq: 01 Jul 2025 12:57

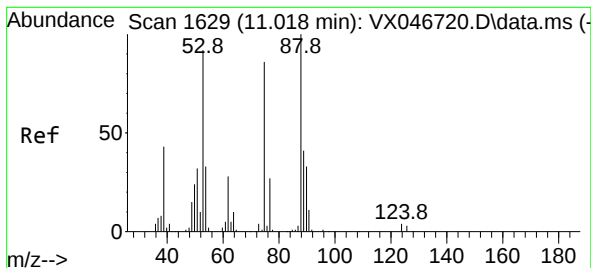
Tgt Ion:105 Resp: 9013

Ion Ratio Lower Upper

105 100

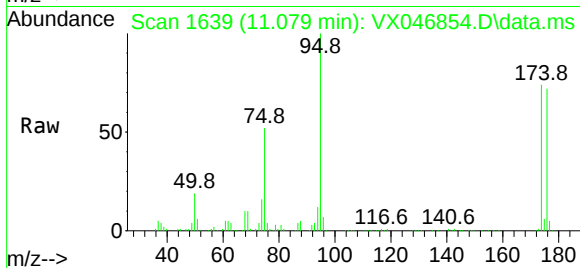
120 45.0 24.1 72.2



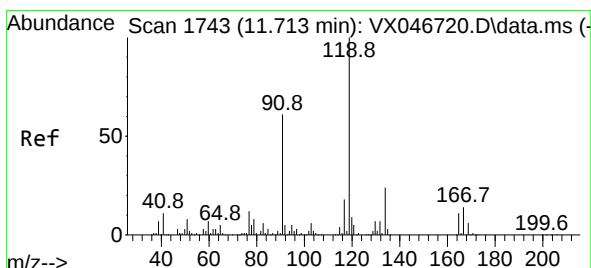
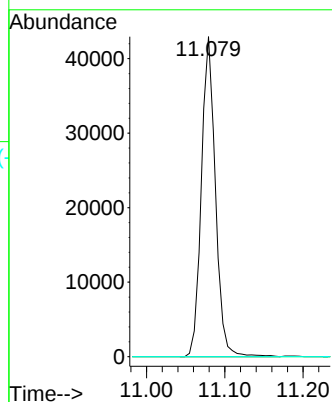
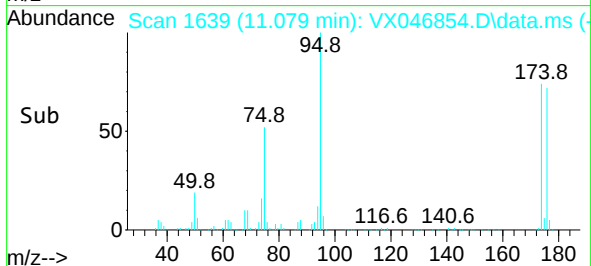


#81
trans-1,4-Dichloro-2-butene
Concen: 77.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

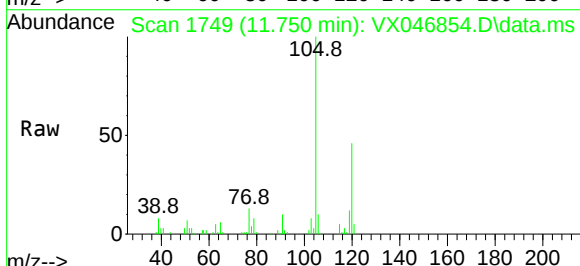
Instrument :
MSVOA_X
ClientSampleId :



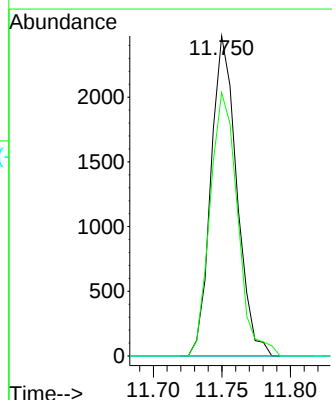
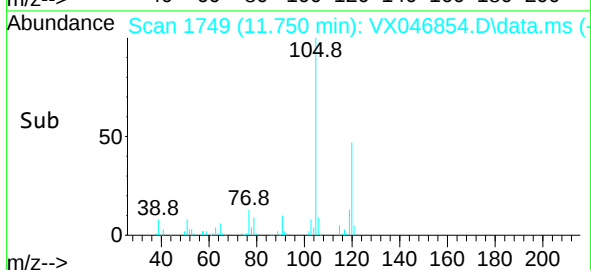
Tgt Ion: 75 Resp: 53526
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#

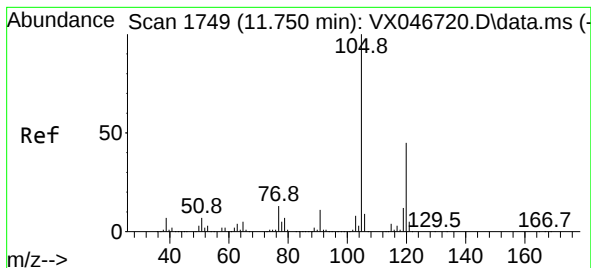


#83
tert-Butylbenzene
Concen: 0.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.036 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57



Tgt Ion: 119 Resp: 3240
Ion Ratio Lower Upper
119 100
91 87.8 29.5 88.6
134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 4.248 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046854.D

Acq: 01 Jul 2025 12:57

Instrument :

MSVOA_X

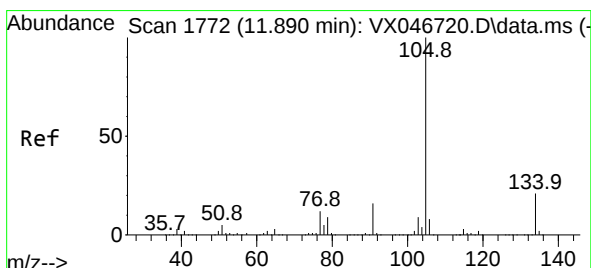
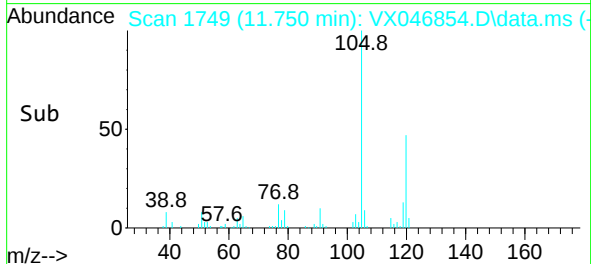
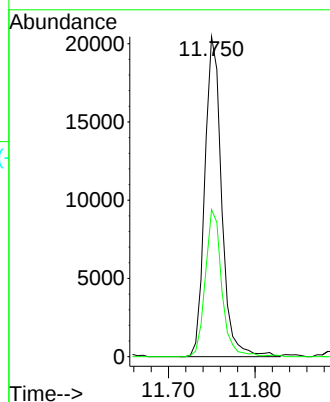
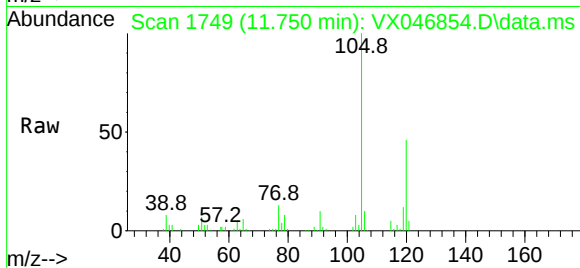
ClientSampleId :

Tgt Ion:105 Resp: 27581

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.3



#85

sec-Butylbenzene

Concen: 3.267 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX046854.D

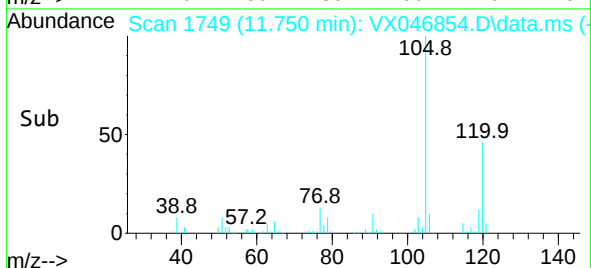
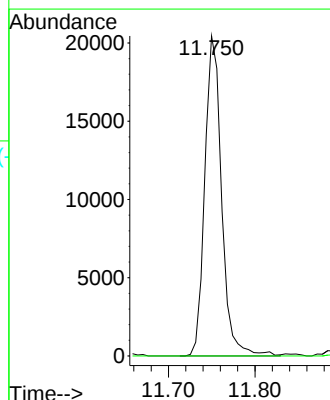
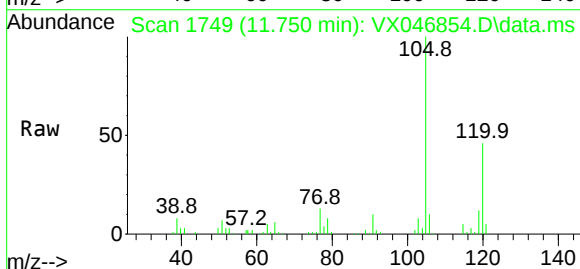
Acq: 01 Jul 2025 12:57

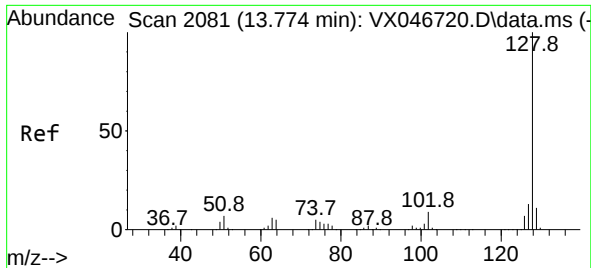
Tgt Ion:105 Resp: 27581

Ion Ratio Lower Upper

105 100

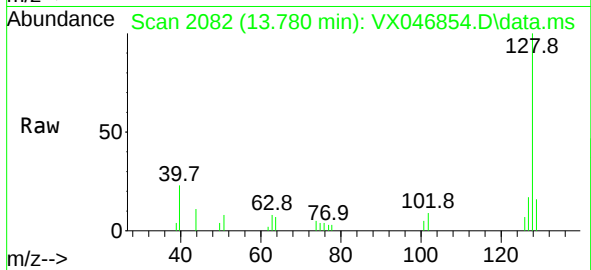
134 0.0 9.8 29.4#





#95
Naphthalene
Concen: 0.672 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046854.D
Acq: 01 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.1	15.1
129	11.9	8.7	13.1

