

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046851.D
 Acq On : 01 Jul 2025 11:54
 Operator : JC/MD
 Sample : Q2463-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-11

Quant Time: Jul 02 01:40:09 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)

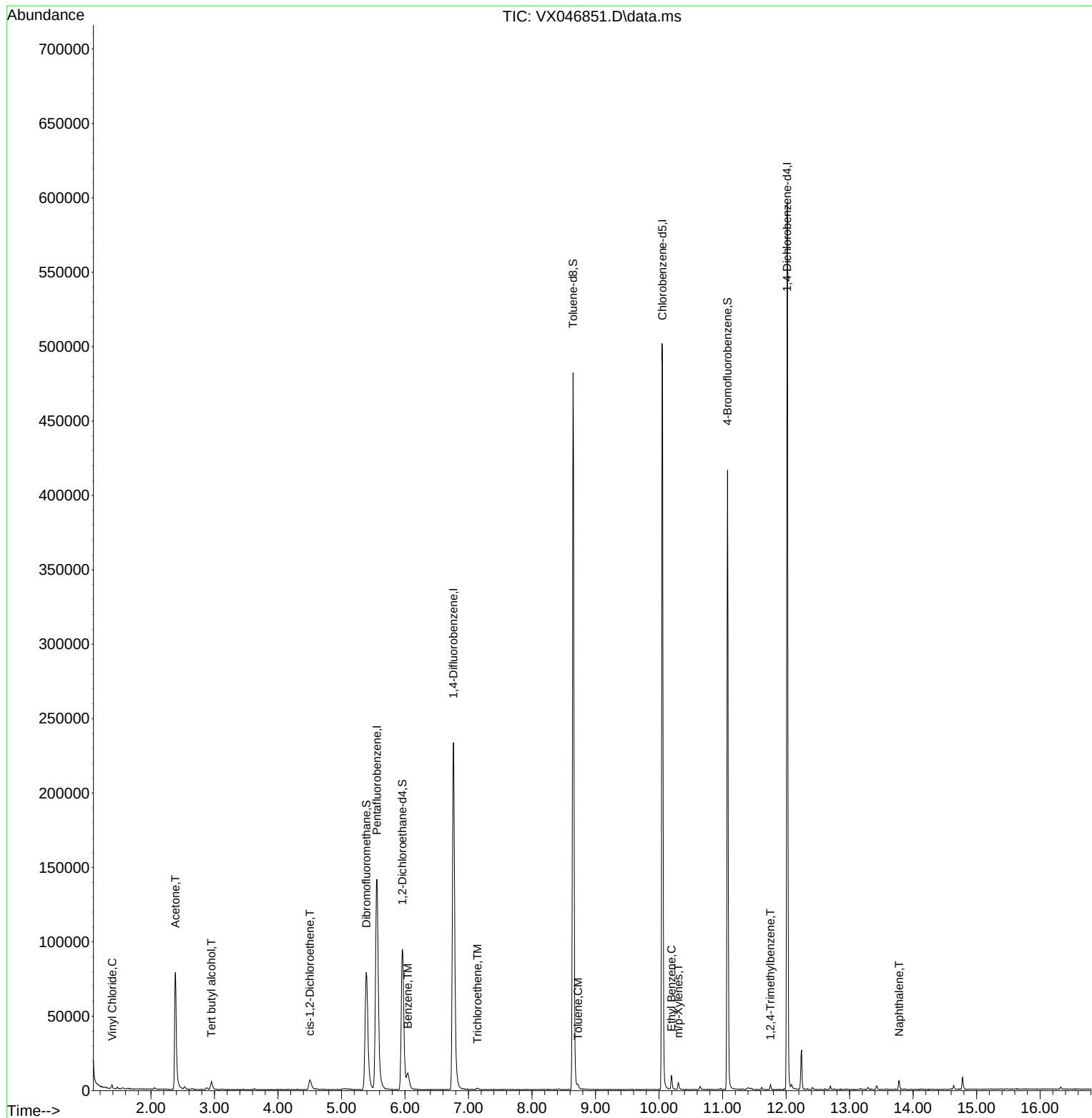
Internal Standards						
1) Pentafluorobenzene	5.556	168	149182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	256031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99359	48.152	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.300%
35) Dibromofluoromethane	5.391	113	77124	45.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.060%
50) Toluene-d8	8.647	98	290393	47.714	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.420%
62) 4-Bromofluorobenzene	11.079	95	112948	49.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.580%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	1022	0.557	ug/l	95
11) Tert butyl alcohol	2.953	59	6271	33.860	ug/l #	93
16) Acetone	2.386	43	100512	146.069	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	4878	2.355	ug/l	91
40) Benzene	6.044	78	12849	1.775	ug/l	94
44) Trichloroethene	7.141	130	450	0.244	ug/l	77
52) Toluene	8.726	92	1166	0.260	ug/l	91
67) Ethyl Benzene	10.195	91	6157	0.680	ug/l	94
68) m/p-Xylenes	10.305	106	1314	0.390	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	1744	0.236	ug/l	93
95) Naphthalene	13.780	128	4639	0.585	ug/l	96

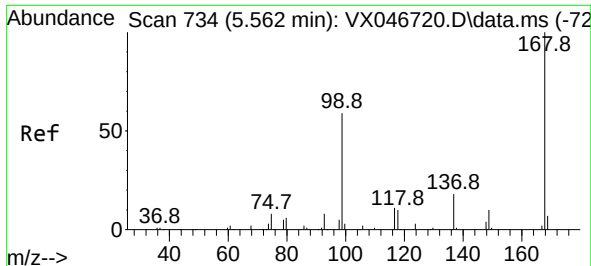
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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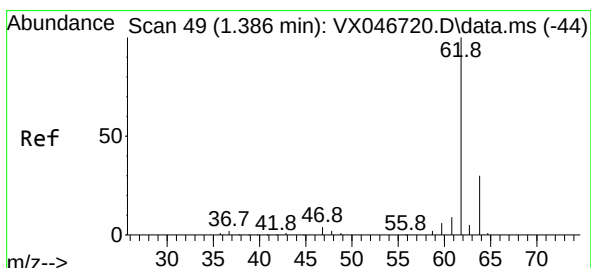
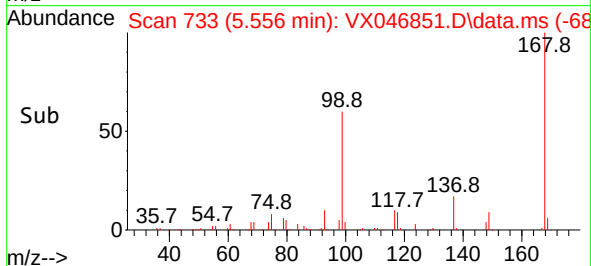
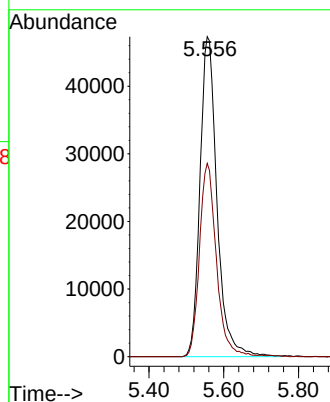
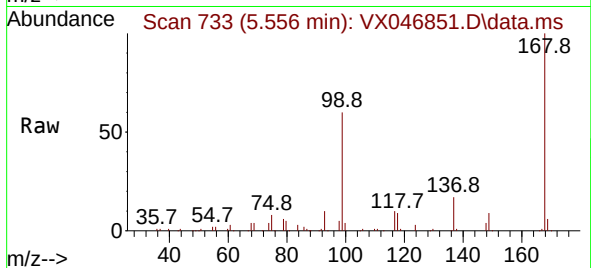




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

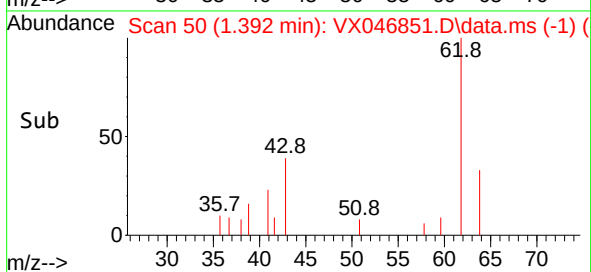
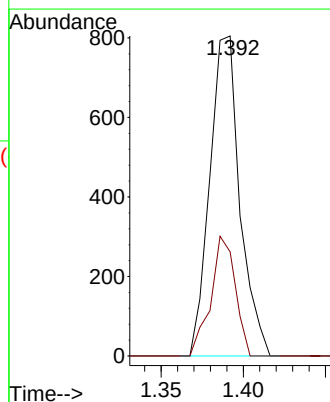
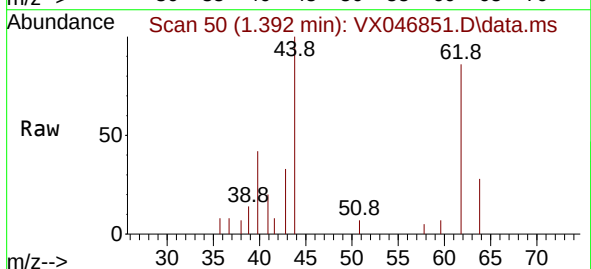
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-11

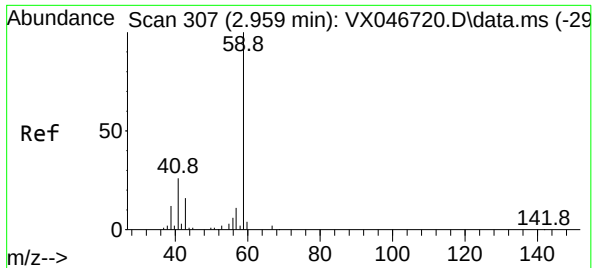
Tgt Ion:168 Resp: 149182
Ion Ratio Lower Upper
168 100
99 60.4 48.5 72.7



#4
Vinyl Chloride
Concen: 0.557 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 62 Resp: 1022
Ion Ratio Lower Upper
62 100
64 32.5 23.9 35.9

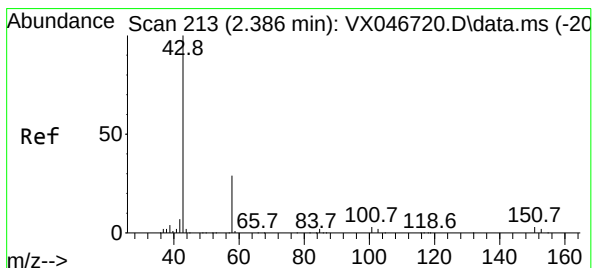
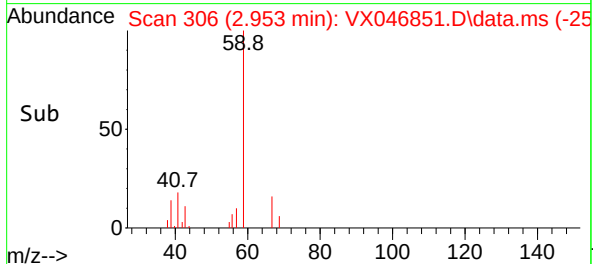
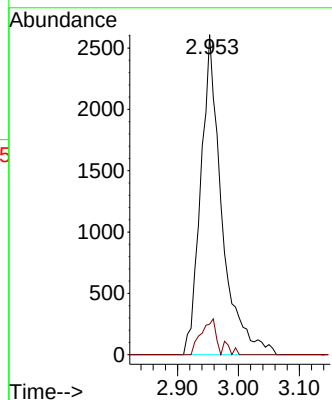
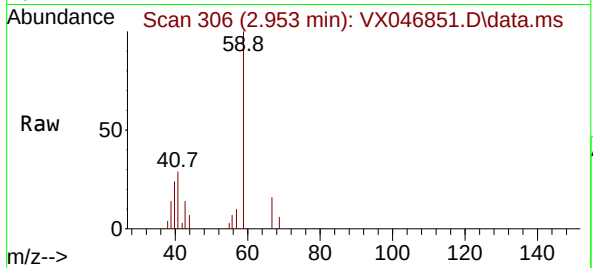




#11
Tert butyl alcohol
Concen: 33.860 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

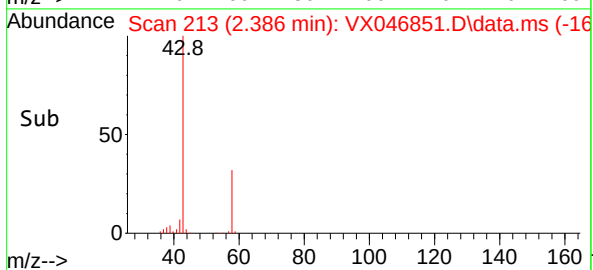
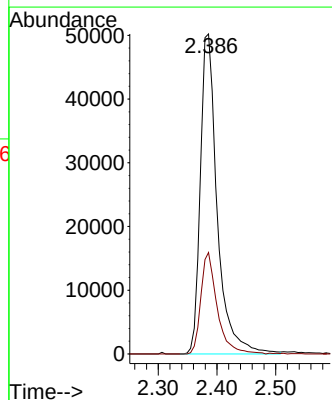
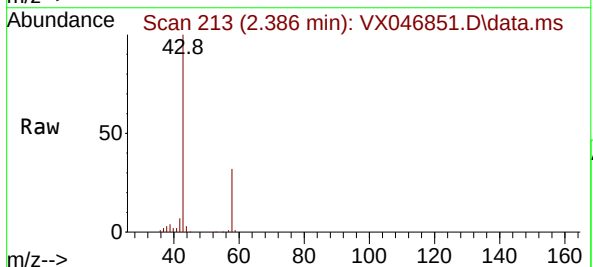
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-11

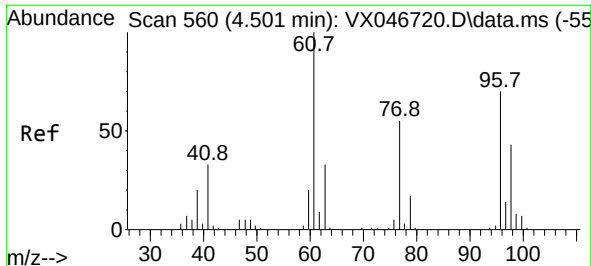
Tgt Ion: 59 Resp: 6271
Ion Ratio Lower Upper
59 100
57 7.8 8.3 12.5#



#16
Acetone
Concen: 146.069 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 43 Resp: 100512
Ion Ratio Lower Upper
43 100
58 31.7 24.5 36.7





#27

cis-1,2-Dichloroethene

Concen: 2.355 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-11

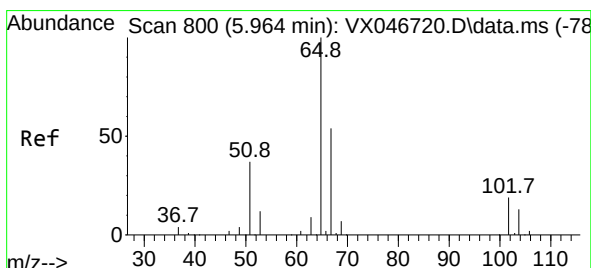
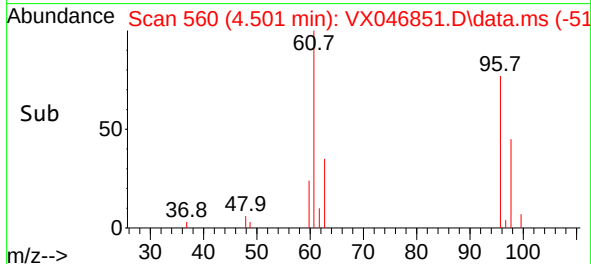
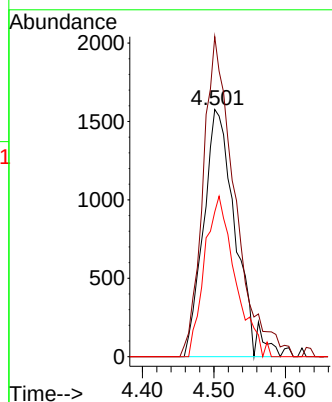
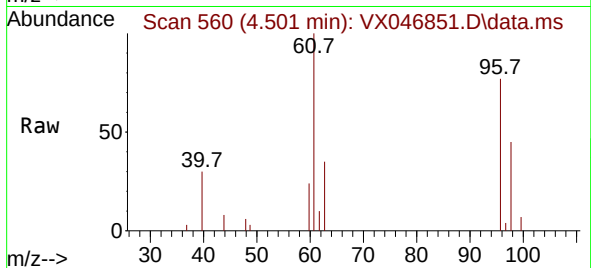
Tgt Ion: 96 Resp: 4878

Ion Ratio Lower Upper

96 100

61 129.6 0.0 291.0

98 62.5 0.0 126.8



#33

1,2-Dichloroethane-d4

Concen: 48.152 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX046851.D

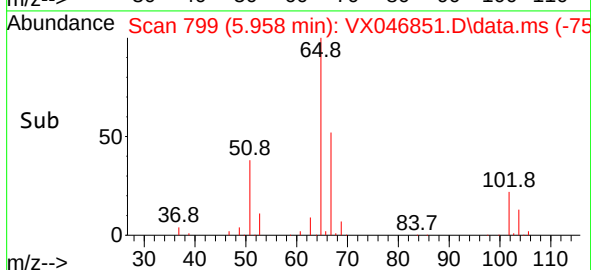
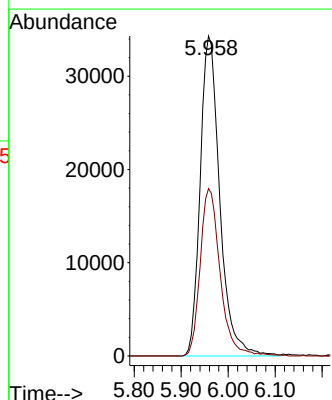
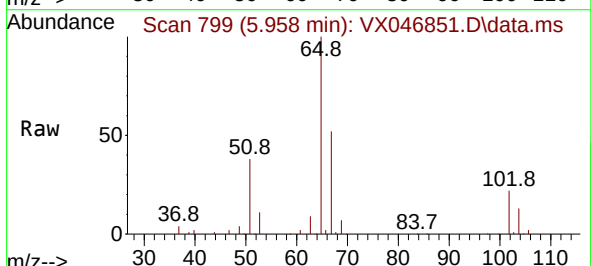
Acq: 01 Jul 2025 11:54

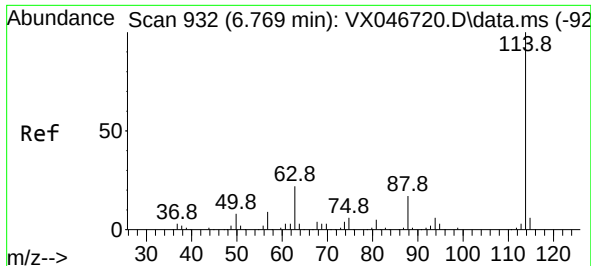
Tgt Ion: 65 Resp: 99359

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.4

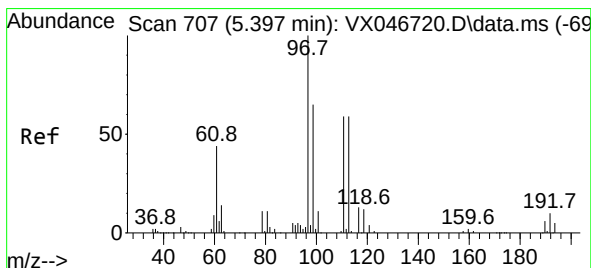
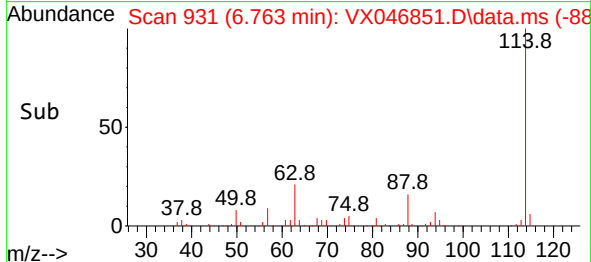
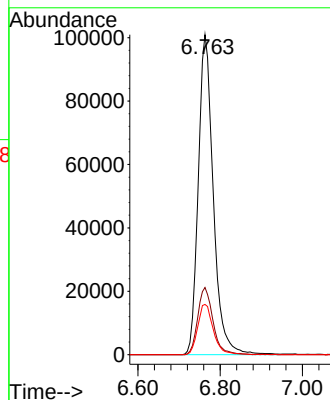
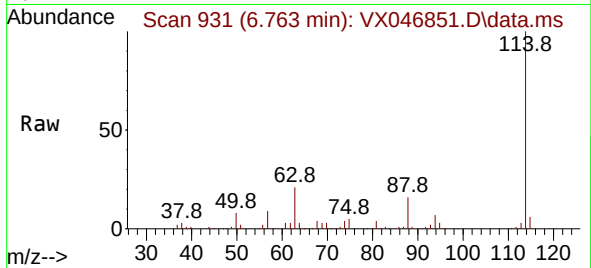




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

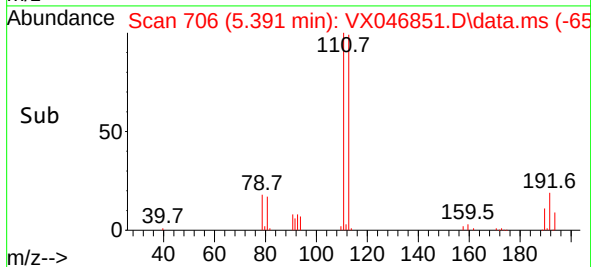
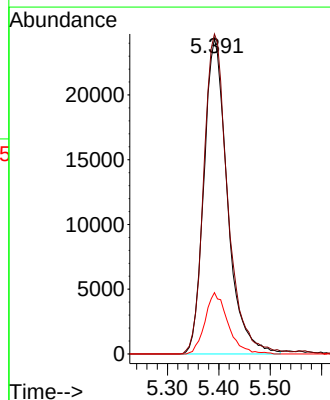
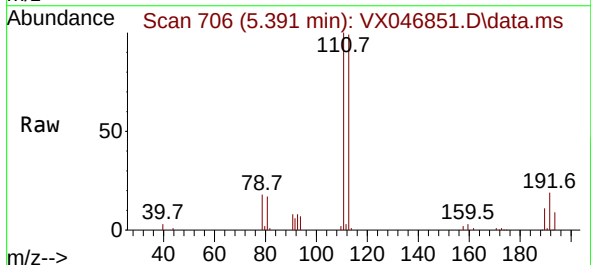
Instrument :
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ClientSampleId :
TW-WTS-11

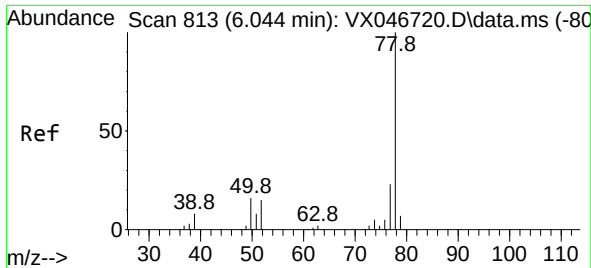
Tgt Ion:114 Resp: 256031
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.2
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.528 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:113 Resp: 77124
Ion Ratio Lower Upper
113 100
111 103.8 82.0 123.0
192 19.1 15.3 22.9

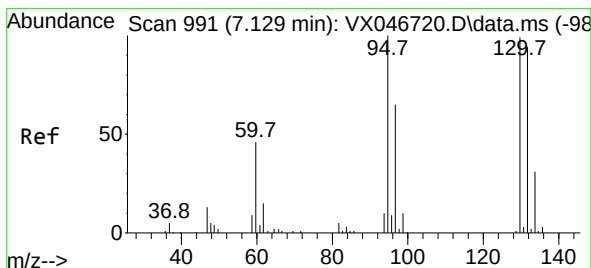
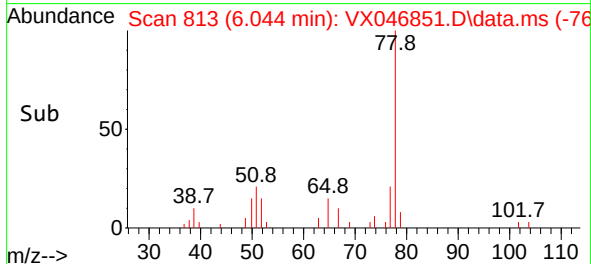
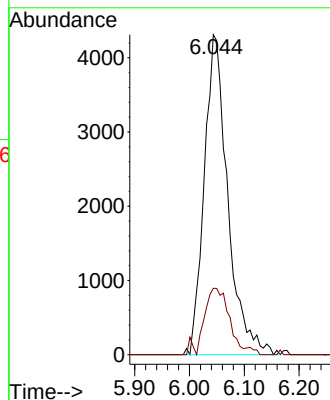
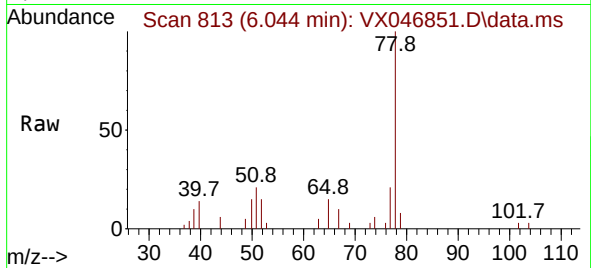




#40
Benzene
Concen: 1.775 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

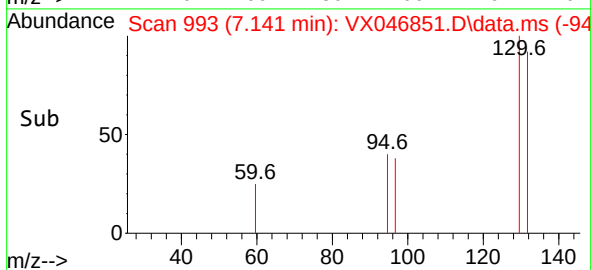
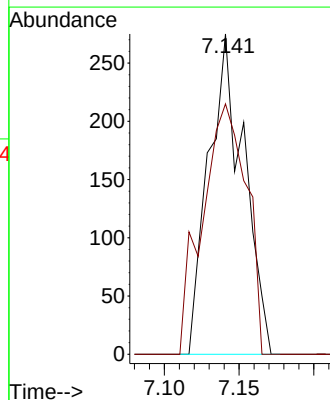
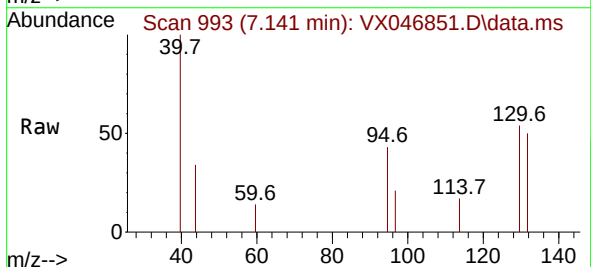
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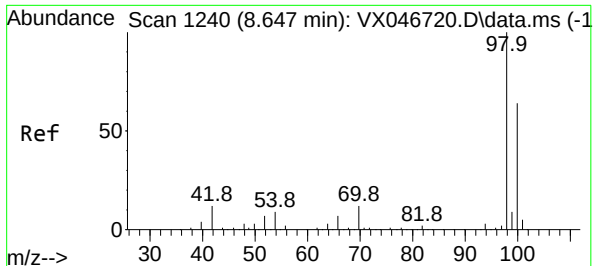
Tgt Ion: 78 Resp: 12849
Ion Ratio Lower Upper
78 100
77 20.7 18.8 28.2



#44
Trichloroethene
Concen: 0.244 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:130 Resp: 450
Ion Ratio Lower Upper
130 100
95 78.2 0.0 202.6

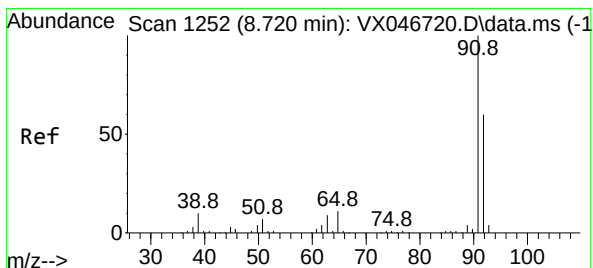
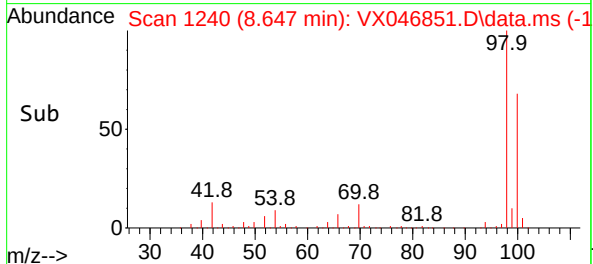
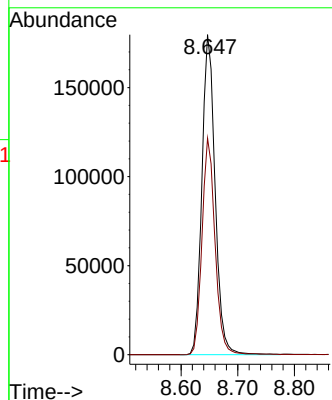
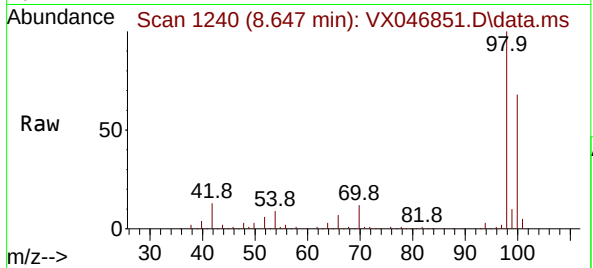




#50
Toluene-d8
Concen: 47.714 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

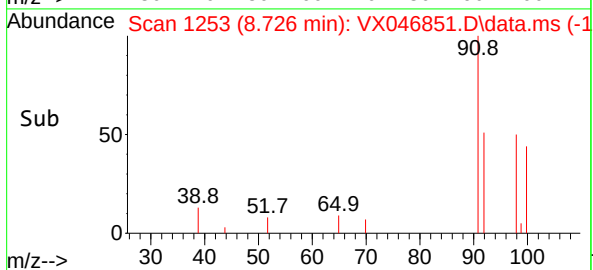
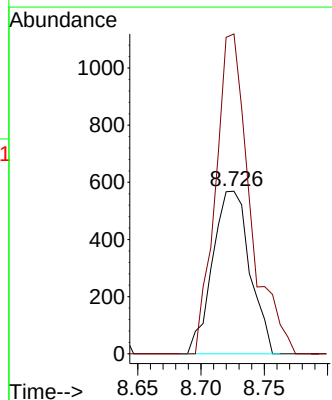
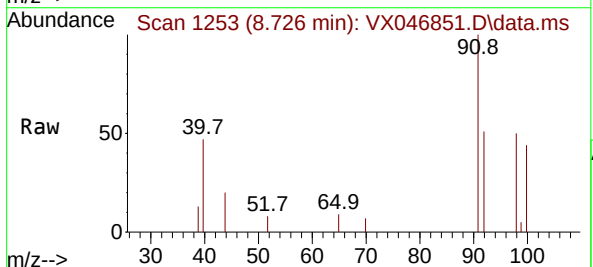
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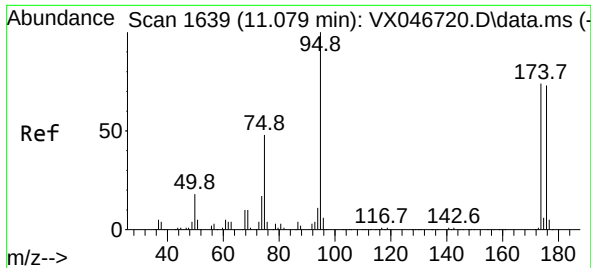
Tgt Ion: 98 Resp: 290393
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#52
Toluene
Concen: 0.260 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 92 Resp: 1166
Ion Ratio Lower Upper
92 100
91 181.3 134.8 202.2

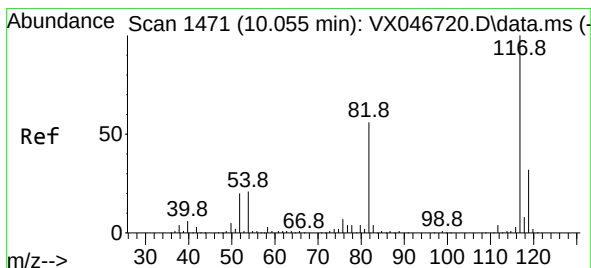
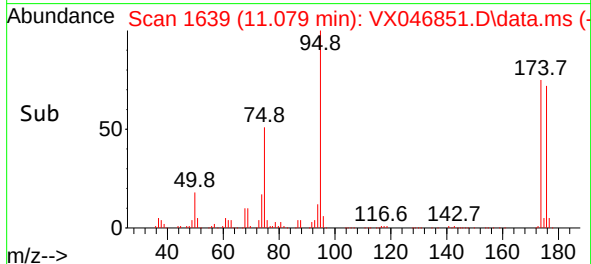
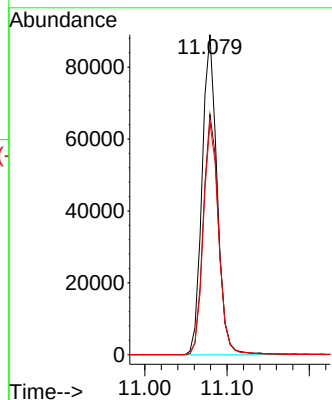
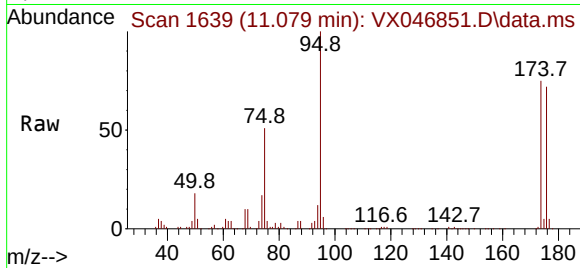




#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

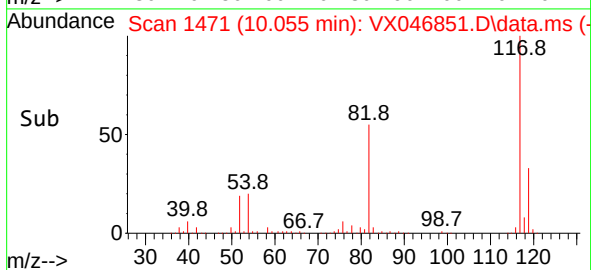
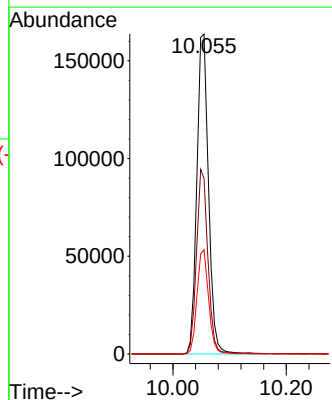
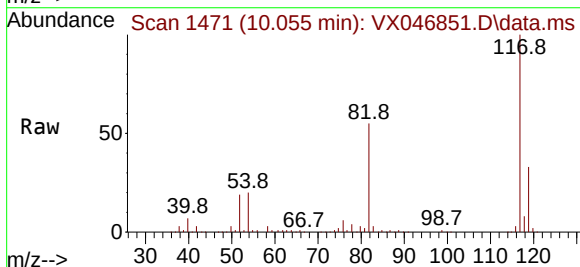
Instrument :
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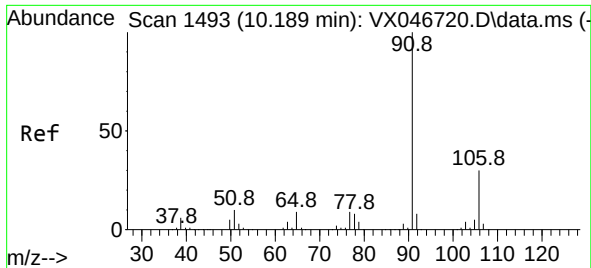
Tgt Ion: 95 Resp: 112948
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.4
176 73.8 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 117 Resp: 234680
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 32.6 25.8 38.8





#67

Ethyl Benzene

Concen: 0.680 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046851.D

Acq: 01 Jul 2025 11:54

Instrument :

MSVOA_X

ClientSampleId :

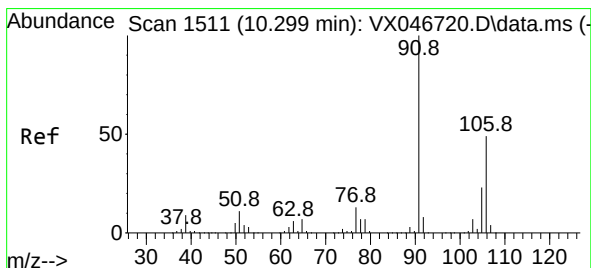
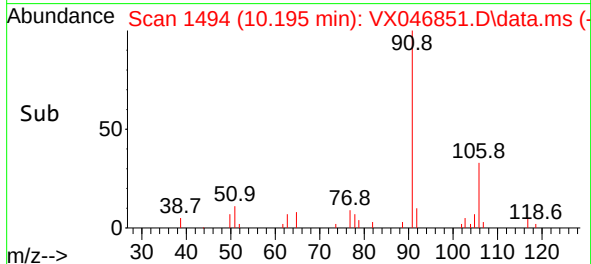
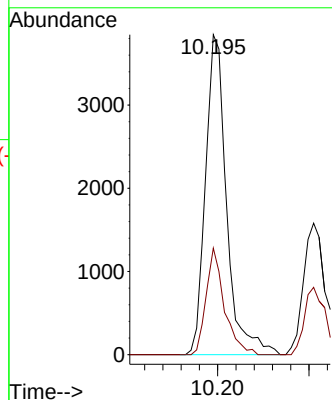
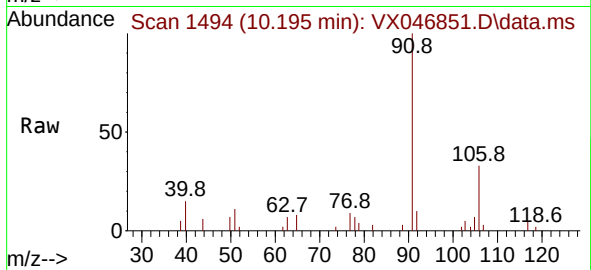
TW-WTS-11

Tgt Ion: 91 Resp: 6157

Ion Ratio Lower Upper

91 100

106 33.3 24.2 36.2



#68

m/p-Xylenes

Concen: 0.390 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046851.D

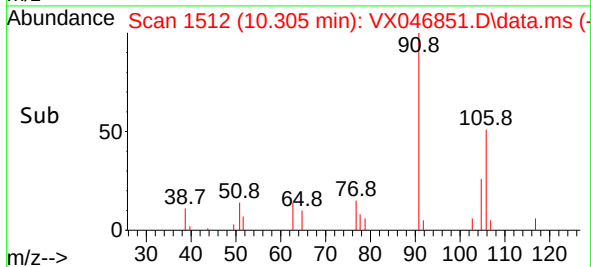
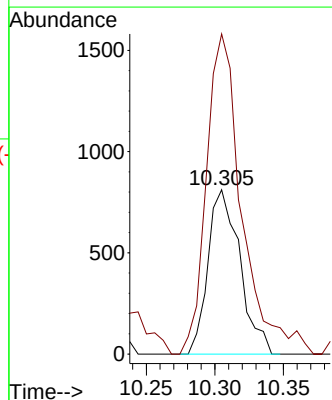
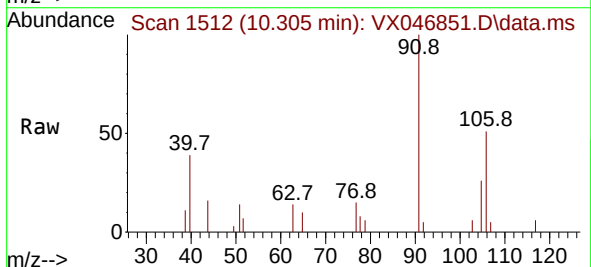
Acq: 01 Jul 2025 11:54

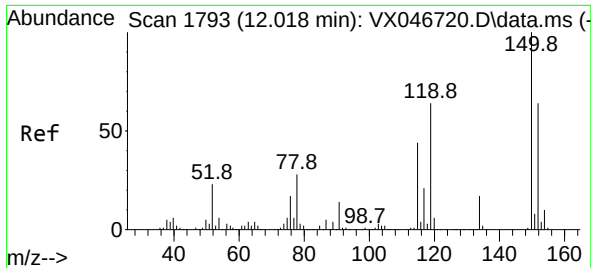
Tgt Ion: 106 Resp: 1314

Ion Ratio Lower Upper

106 100

91 216.7 164.8 247.2

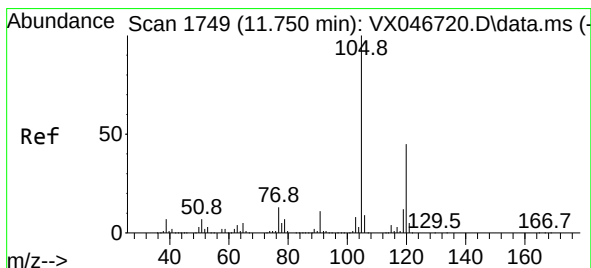
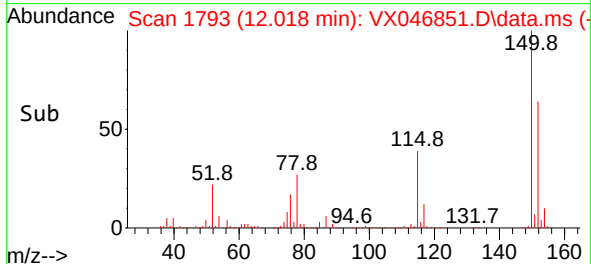
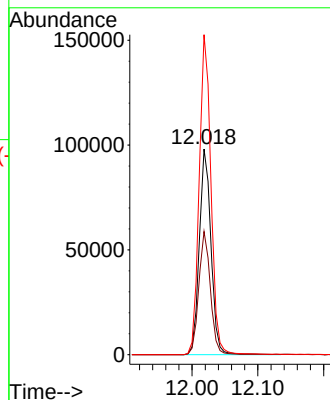
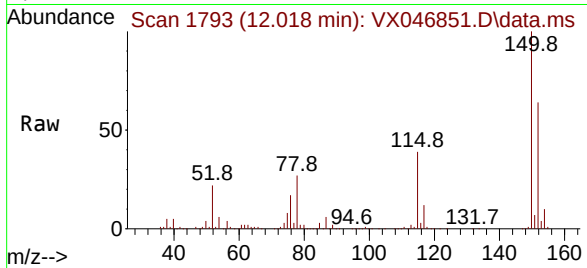




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VX046851.D
 Acq: 01 Jul 2025 11:54

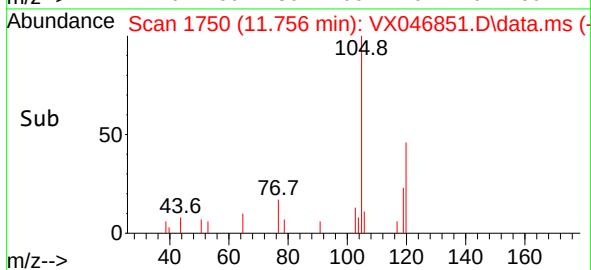
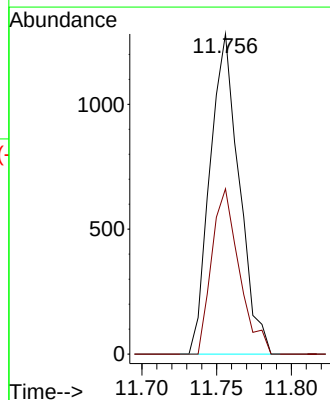
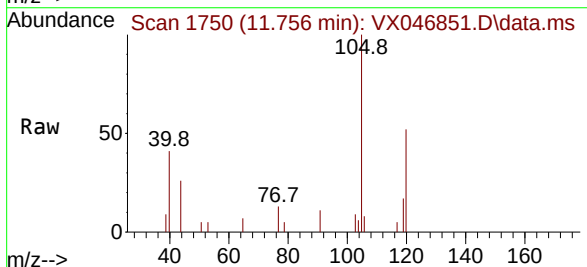
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-11

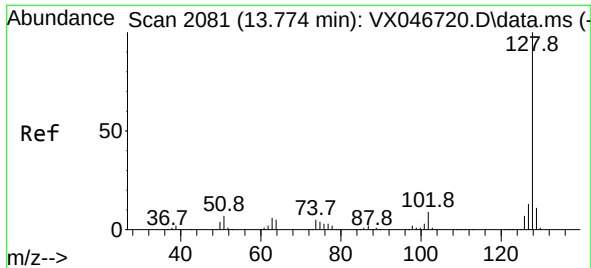
Tgt Ion:152 Resp: 121306
 Ion Ratio Lower Upper
 152 100
 115 59.4 43.2 129.6
 150 156.4 0.0 346.8



#84
 1,2,4-Trimethylbenzene
 Concen: 0.236 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX046851.D
 Acq: 01 Jul 2025 11:54

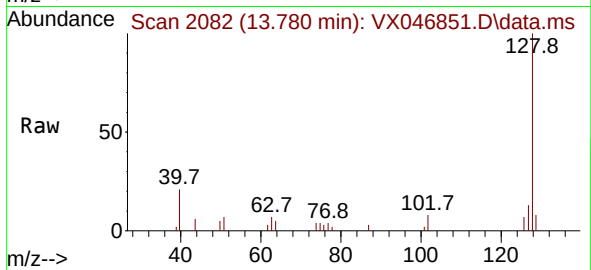
Tgt Ion:105 Resp: 1744
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.1 66.3





#95
Naphthalene
Concen: 0.585 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-11



Tgt Ion:	128	Resp:	4639
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.1	15.1
129	9.4	8.7	13.1

