

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031872.D
 Acq On : 16 Jul 2025 12:51
 Operator : SY/MD
 Sample : Q2609-07
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 709-A

Quant Time: Jul 17 04:03:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

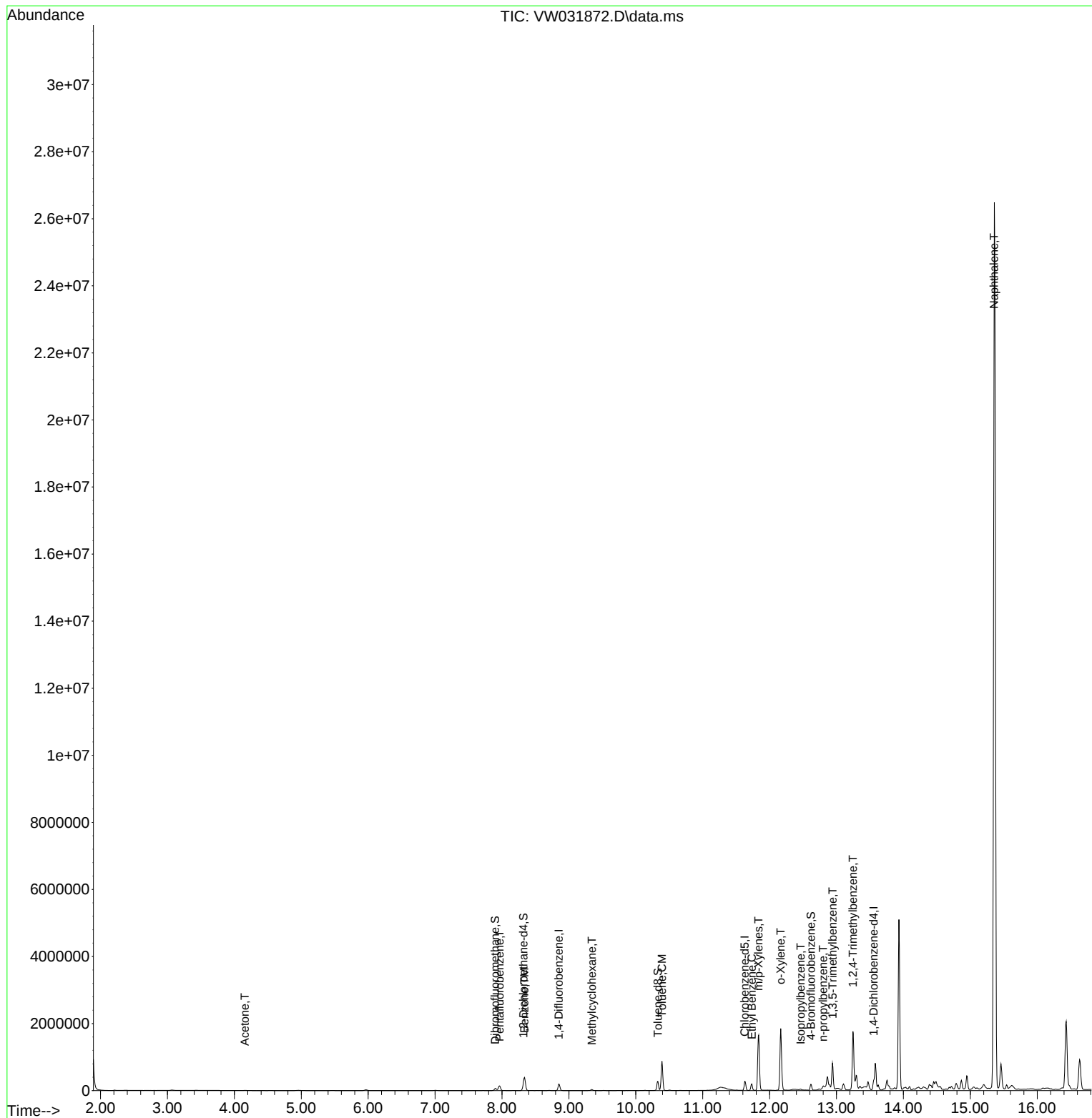
Internal Standards						
1) Pentafluorobenzene	7.965	168	87804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	165279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	150878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	65027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	54319	43.107	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	86.220%
35) Dibromofluoromethane	7.898	113	47581	44.117	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.240%
50) Toluene-d8	10.331	98	177247	44.162	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.320%
62) 4-Bromofluorobenzene	12.617	95	65863	44.592	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	89.180%
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	7031	22.575	ug/l	99
39) Methylcyclohexane	9.343	83	13355	6.878	ug/l	93
40) Benzene	8.337	78	365773	79.216	ug/l	98
52) Toluene	10.392	92	367560	124.329	ug/l	97
67) Ethyl Benzene	11.733	91	137982	23.904	ug/l	97
68) m/p-Xylenes	11.837	106	498287	224.554	ug/l	98
69) o-Xylene	12.166	106	446254	217.201	ug/l	97
73) Isopropylbenzene	12.464	105	16617	3.359	ug/l	99
78) n-propylbenzene	12.800	91	43280	7.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	410614	100.289	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	929432	224.045	ug/l	100
95) Naphthalene	15.354	128	19812926	6480.345	ug/l #	90

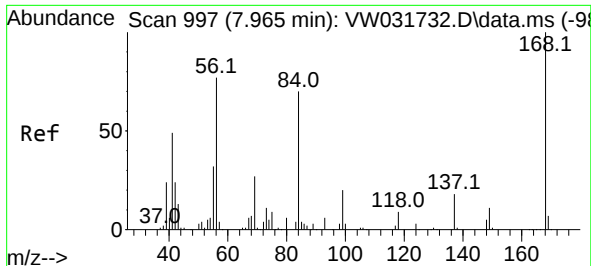
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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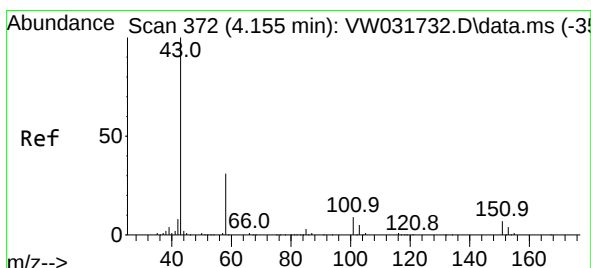
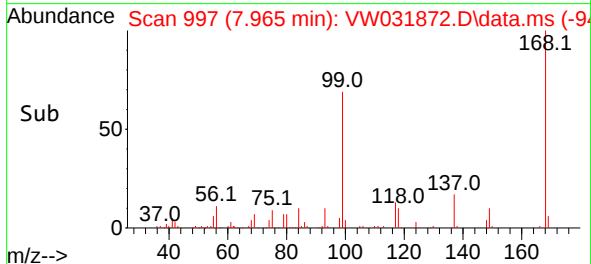
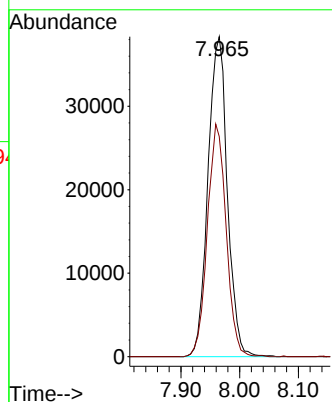
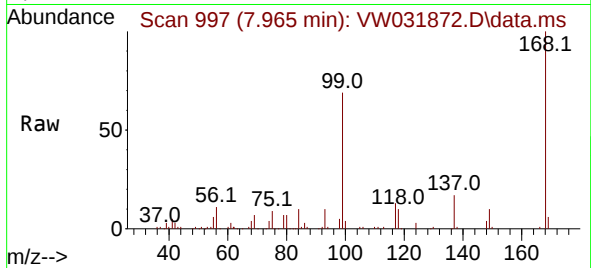




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

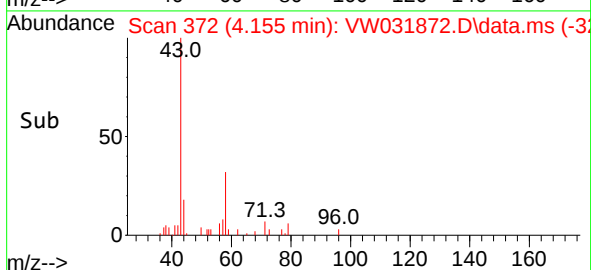
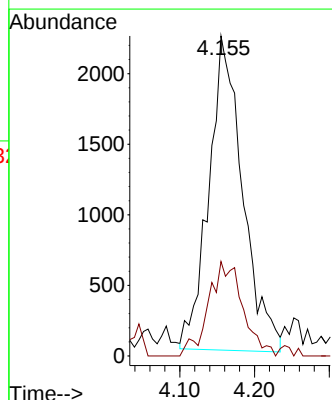
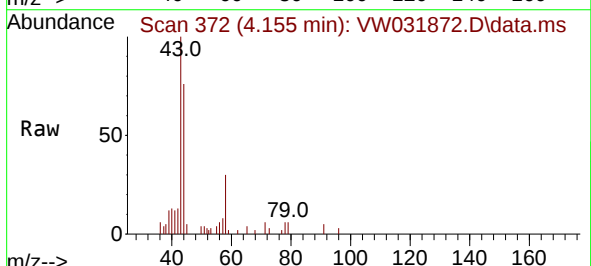
Instrument :
MSVOA_W
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709-A

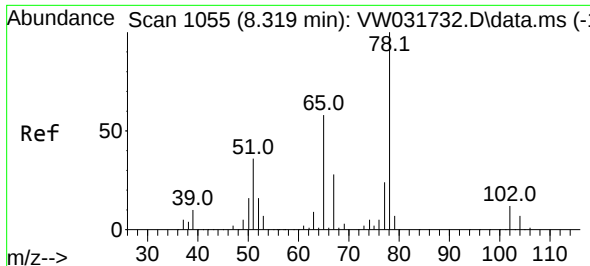
Tgt Ion:168 Resp: 87804
Ion Ratio Lower Upper
168 100
99 68.8 49.4 74.2



#16
Acetone
Concen: 22.575 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion: 43 Resp: 7031
Ion Ratio Lower Upper
43 100
58 30.7 24.8 37.2

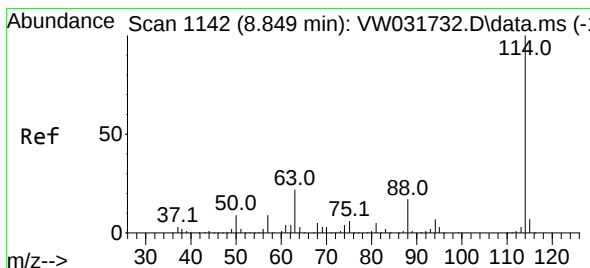
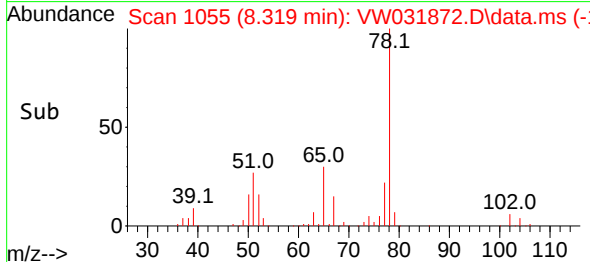
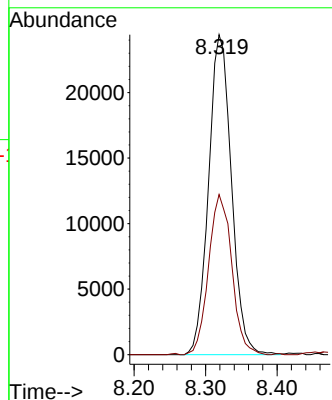
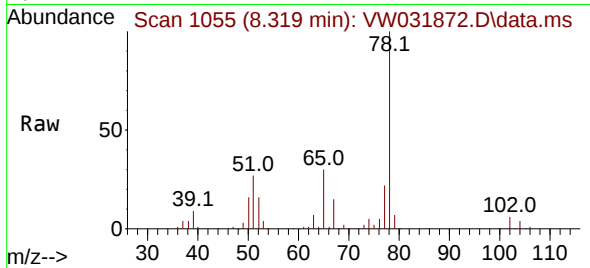




#33
 1,2-Dichloroethane-d4
 Concen: 43.107 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031872.D
 Acq: 16 Jul 2025 12:51

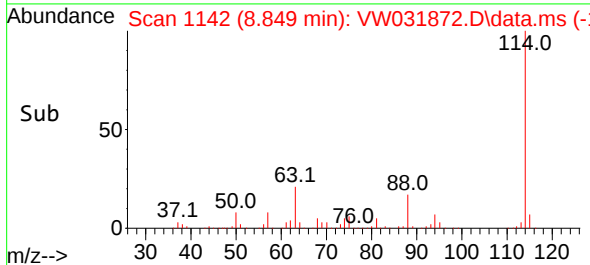
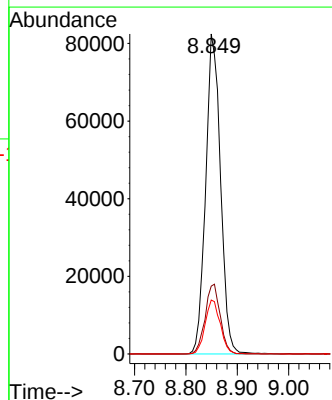
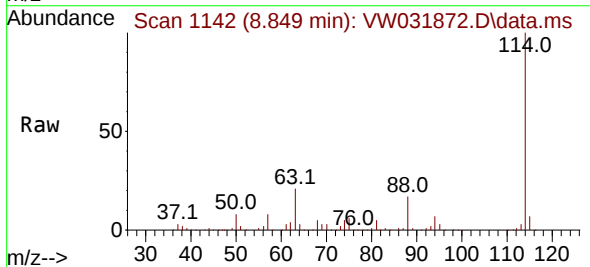
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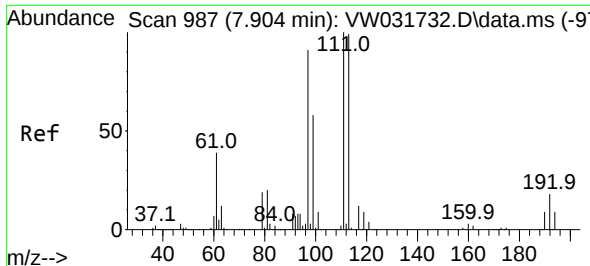
Tgt Ion: 65 Resp: 54319
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031872.D
 Acq: 16 Jul 2025 12:51

Tgt Ion: 114 Resp: 165279
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.6
 88 16.9 0.0 34.2

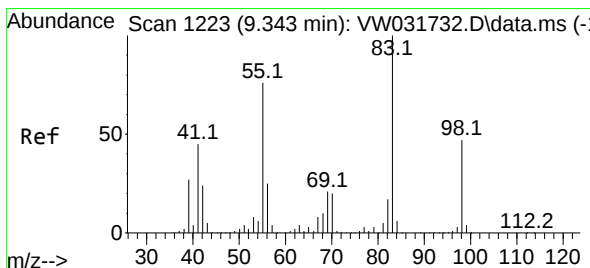
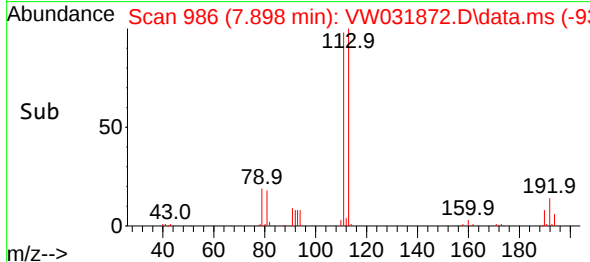
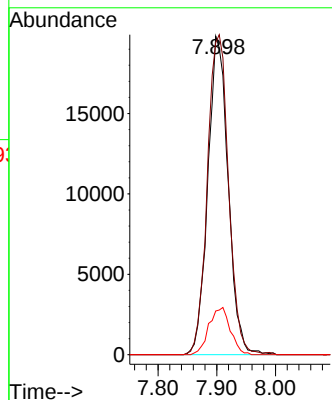
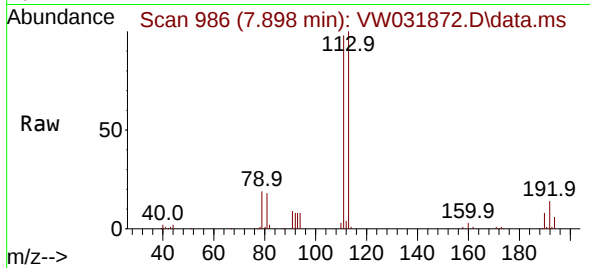




#35
Dibromofluoromethane
Concen: 44.117 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

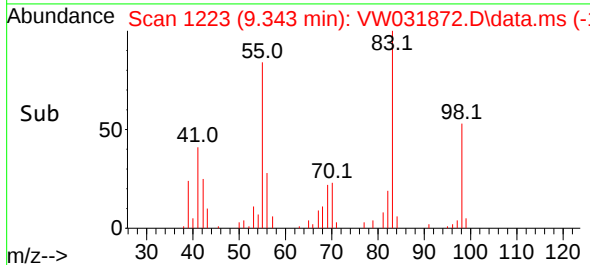
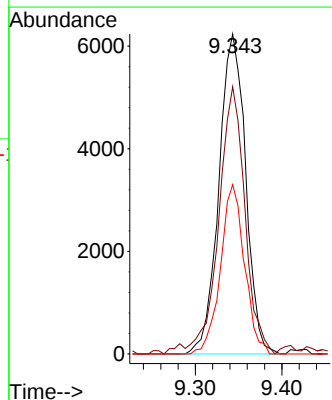
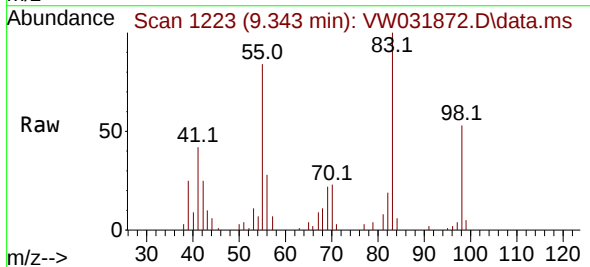
Instrument :
MSVOA_W
ClientSampleId :
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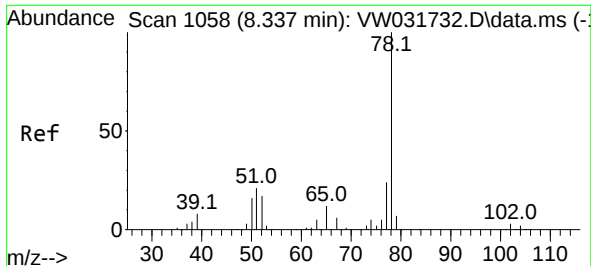
Tgt Ion:113 Resp: 47581
Ion Ratio Lower Upper
113 100
111 104.4 82.1 123.1
192 15.6 13.8 20.6



#39
Methylcyclohexane
Concen: 6.878 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion: 83 Resp: 13355
Ion Ratio Lower Upper
83 100
55 82.0 61.0 91.4
98 52.9 37.9 56.9

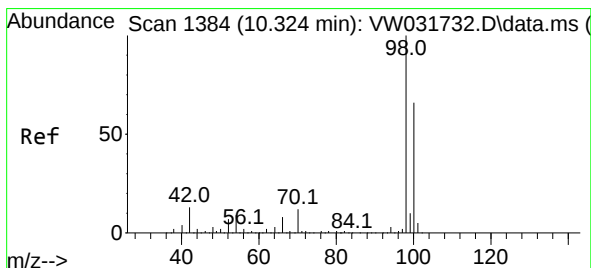
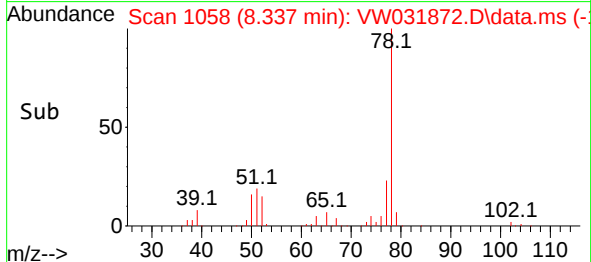
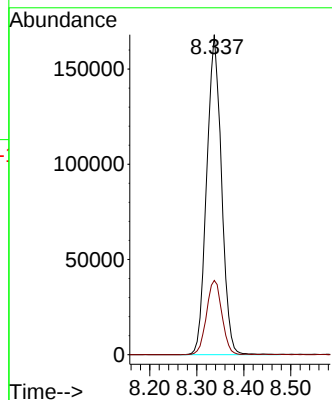
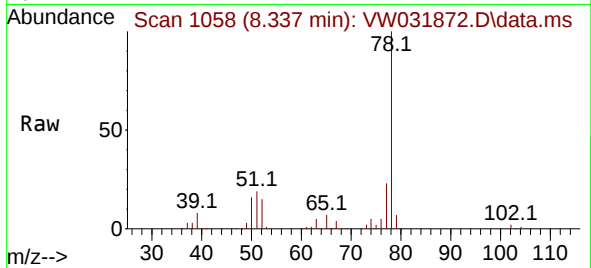




#40
Benzene
Concen: 79.216 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

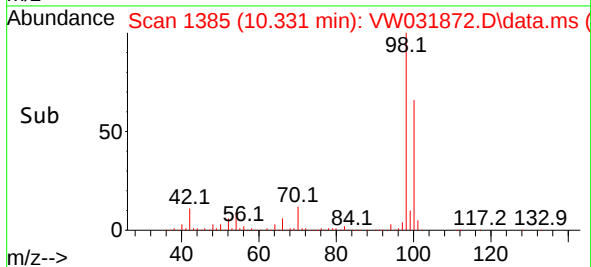
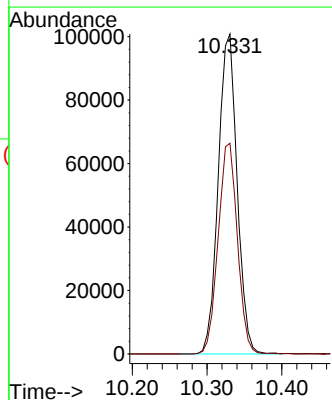
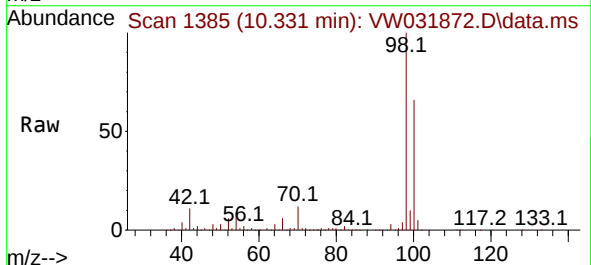
Instrument :
MSVOA_W
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709-A

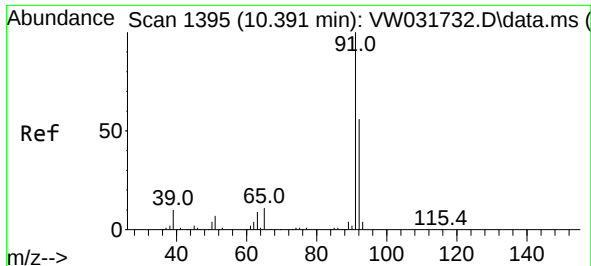
Tgt Ion: 78 Resp: 365773
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8



#50
Toluene-d8
Concen: 44.162 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion: 98 Resp: 177247
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4

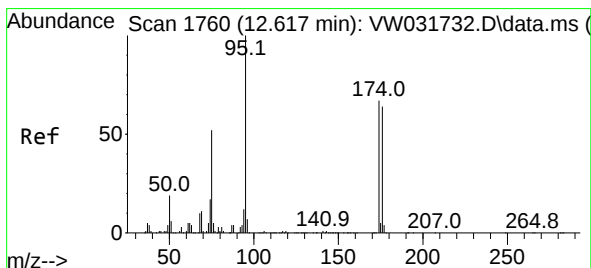
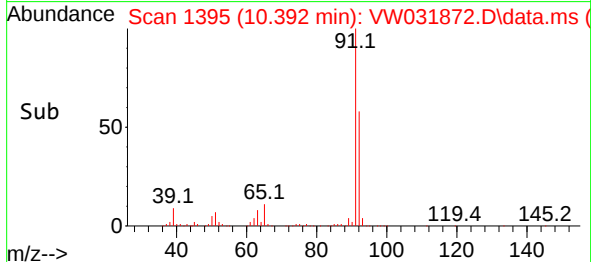
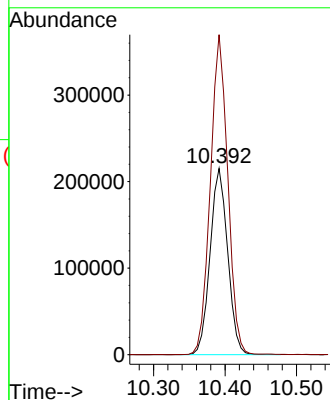
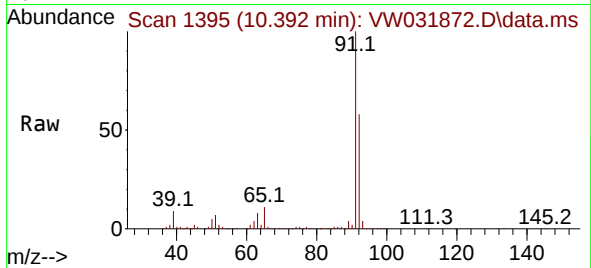




#52
Toluene
Concen: 124.329 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

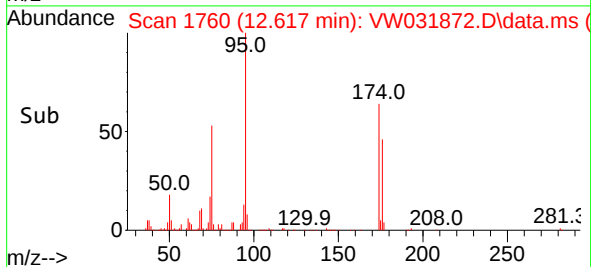
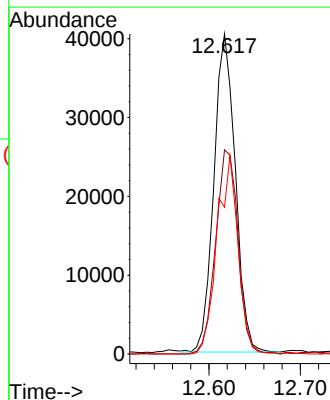
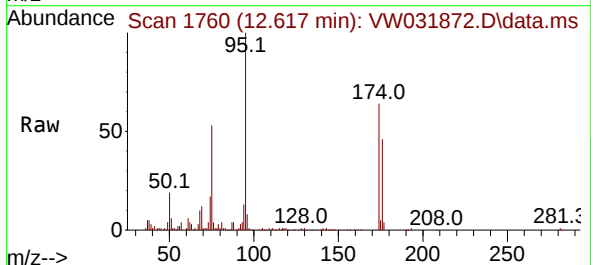
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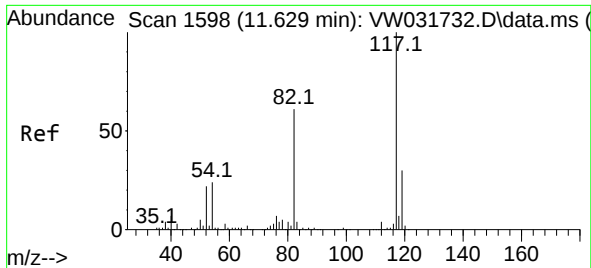
Tgt Ion: 92 Resp: 367560
Ion Ratio Lower Upper
92 100
91 169.9 139.5 209.3



#62
4-Bromofluorobenzene
Concen: 44.592 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion: 95 Resp: 65863
Ion Ratio Lower Upper
95 100
174 67.1 0.0 133.8
176 60.9 0.0 126.0

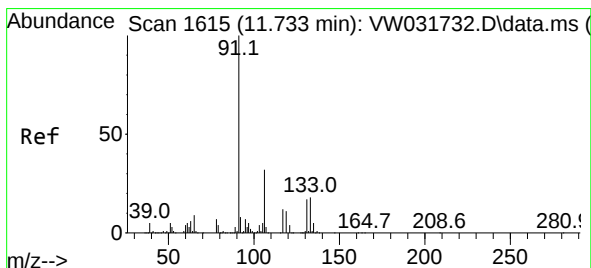
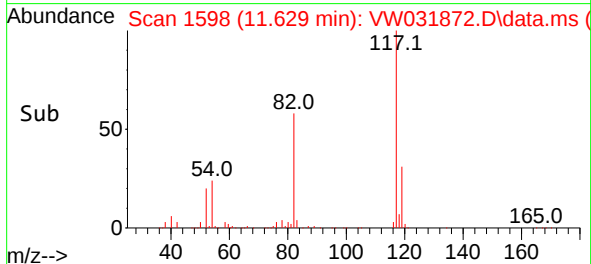
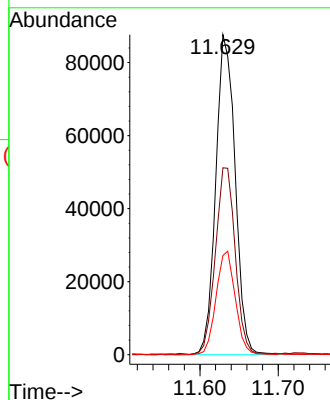
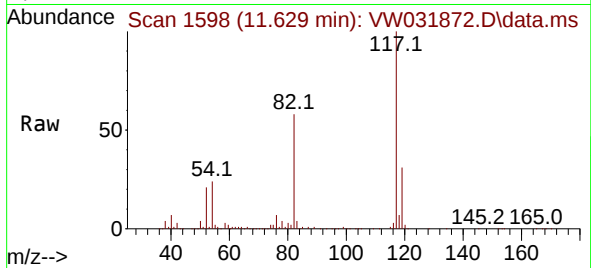




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

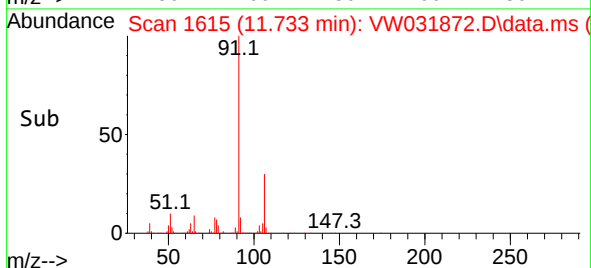
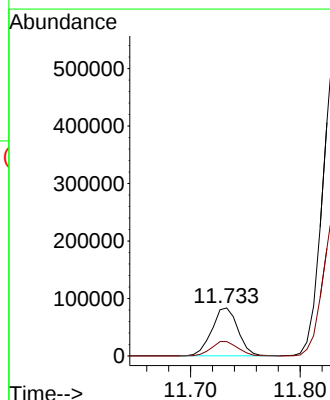
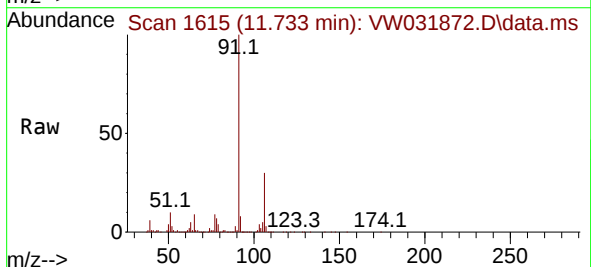
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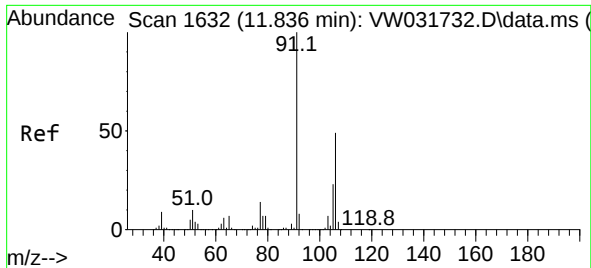
Tgt Ion:117 Resp: 150878
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 31.0 23.9 35.9



#67
Ethyl Benzene
Concen: 23.904 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion: 91 Resp: 137982
Ion Ratio Lower Upper
91 100
106 29.9 25.4 38.2

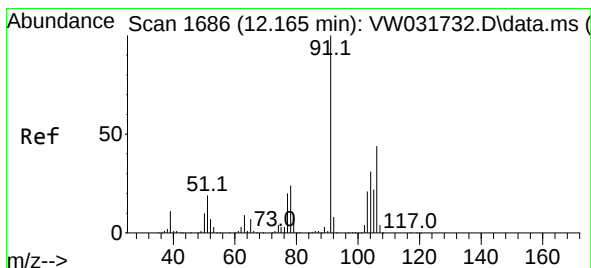
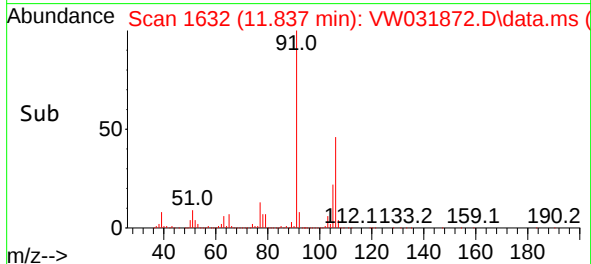
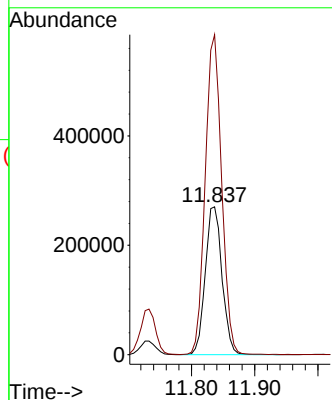
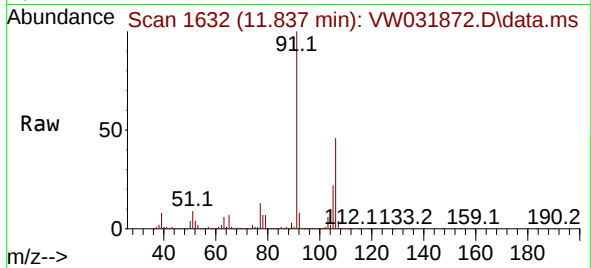




#68
m/p-Xylenes
Concen: 224.554 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

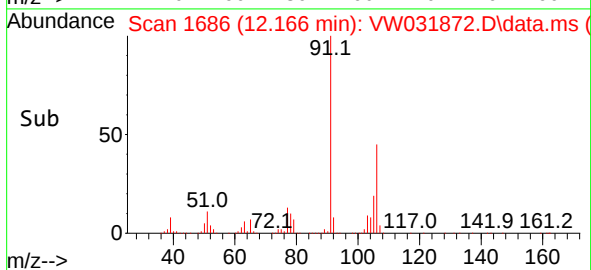
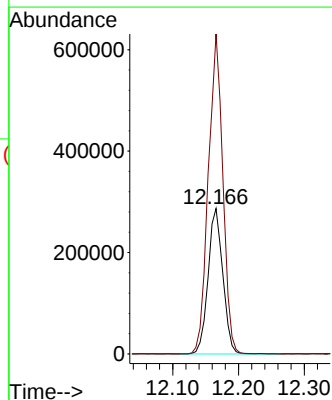
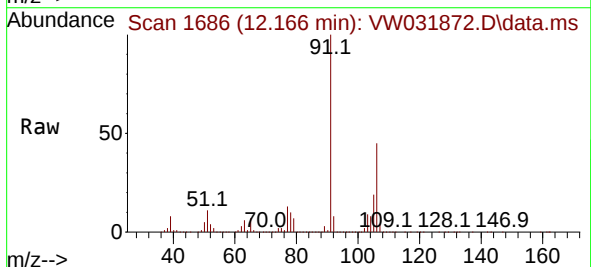
Instrument :
MSVOA_W
ClientSampleId :
709-A

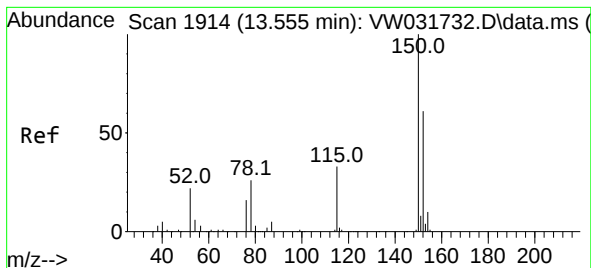
Tgt Ion:106 Resp: 498287
Ion Ratio Lower Upper
106 100
91 211.5 166.4 249.6



#69
o-Xylene
Concen: 217.201 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion:106 Resp: 446254
Ion Ratio Lower Upper
106 100
91 217.2 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031872.D

Acq: 16 Jul 2025 12:51

Instrument :

MSVOA_W

ClientSampleId :

709-A

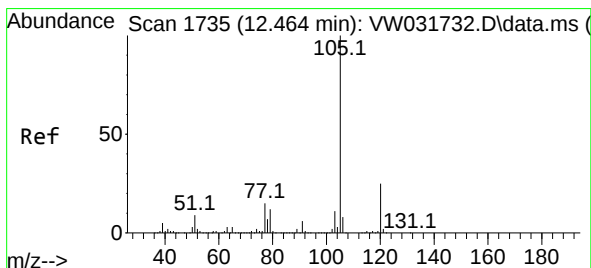
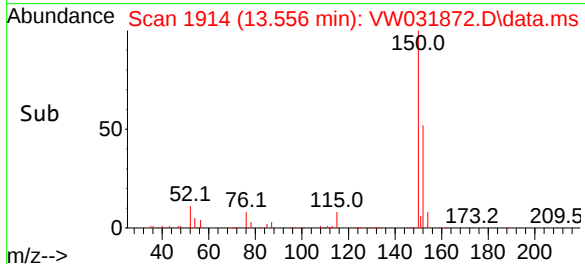
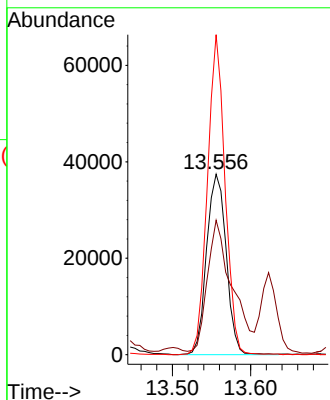
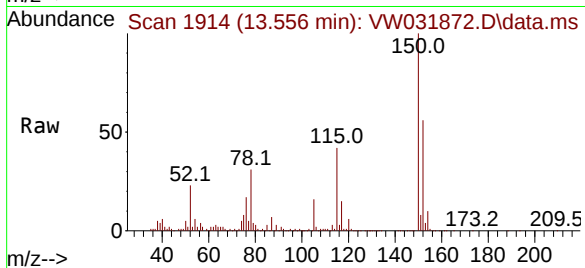
Tgt Ion:152 Resp: 65027

Ion Ratio Lower Upper

152 100

115 91.0 31.9 95.7

150 159.5 0.0 356.4



#73

Isopropylbenzene

Concen: 3.359 ug/l

RT: 12.464 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW031872.D

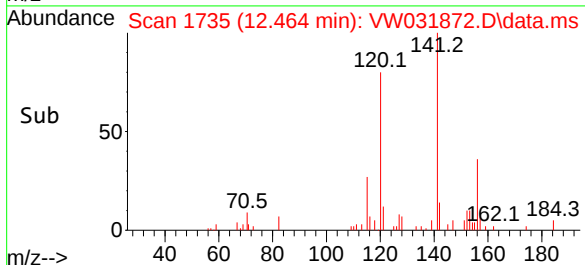
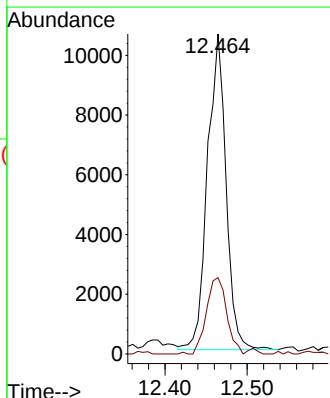
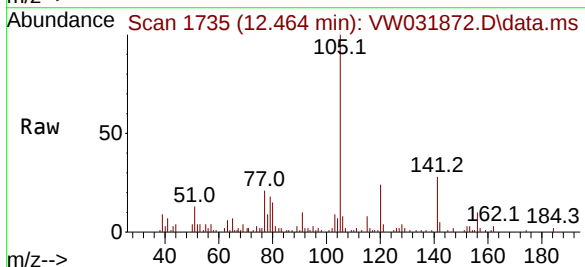
Acq: 16 Jul 2025 12:51

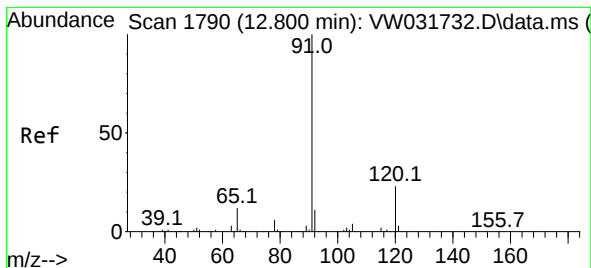
Tgt Ion:105 Resp: 16617

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4





#78

n-propylbenzene

Concen: 7.307 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031872.D

Acq: 16 Jul 2025 12:51

Instrument :

MSVOA_W

ClientSampleId :

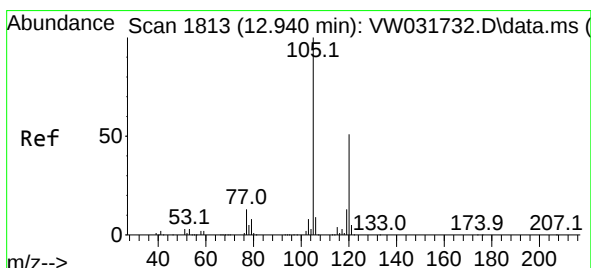
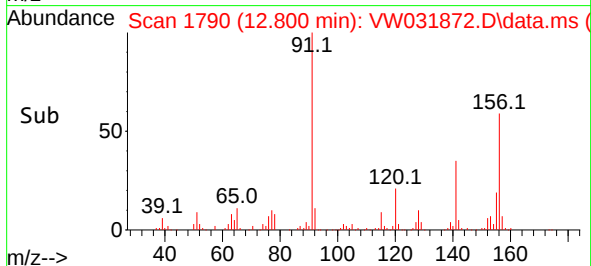
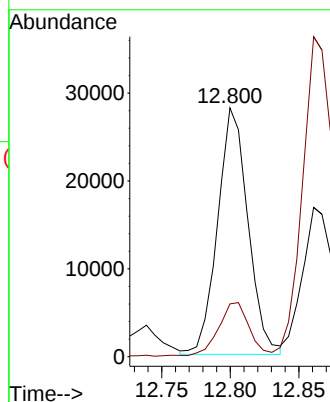
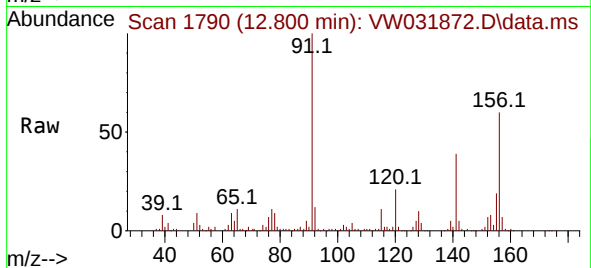
709-A

Tgt Ion: 91 Resp: 43280

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 100.289 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031872.D

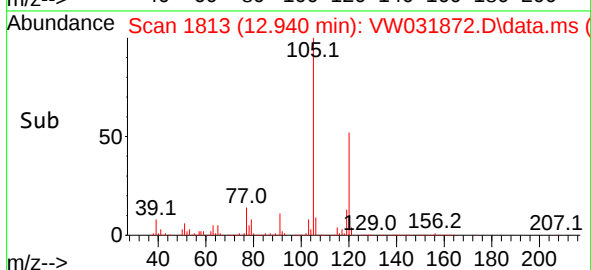
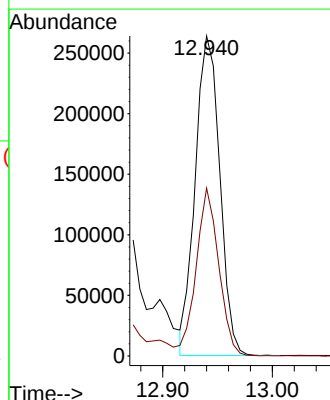
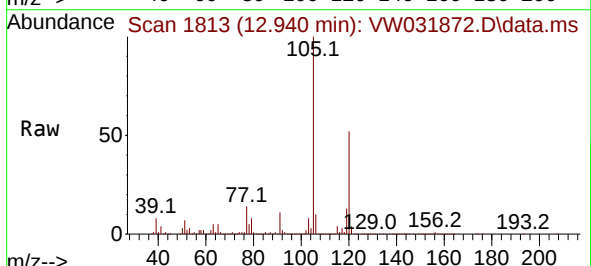
Acq: 16 Jul 2025 12:51

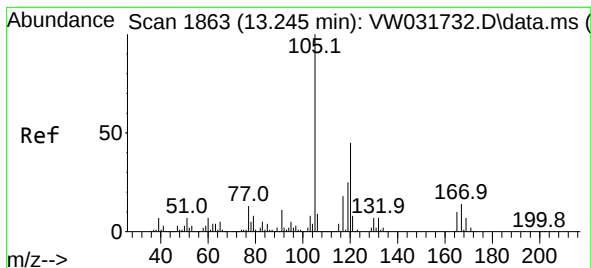
Tgt Ion:105 Resp: 410614

Ion Ratio Lower Upper

105 100

120 48.8 23.8 71.2

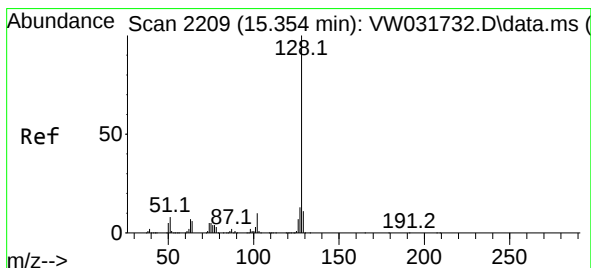
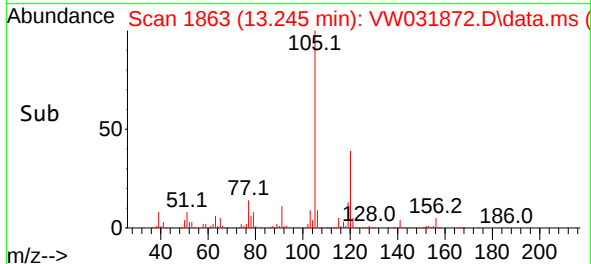
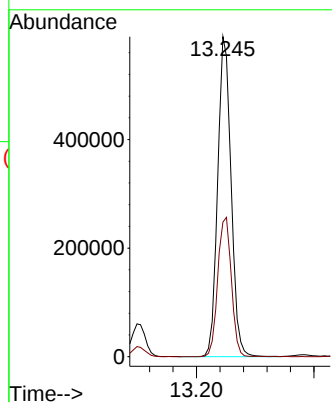
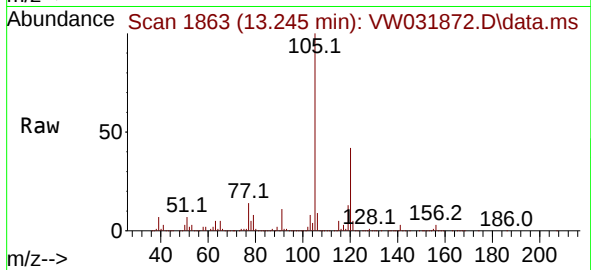




#84
1,2,4-Trimethylbenzene
Concen: 224.045 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Instrument :
MSVOA_W
ClientSampleId :
709-A

Tgt Ion:105 Resp: 929432
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1



#95
Naphthalene
Concen: 6480.345 ug/l
RT: 15.354 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VW031872.D
Acq: 16 Jul 2025 12:51

Tgt Ion:128 Resp:19812926
Ion Ratio Lower Upper
128 100
127 17.6 10.8 16.2#
129 14.5 8.7 13.1#

