

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031796.D
 Acq On : 10 Jul 2025 12:41
 Operator : SY/MD
 Sample : Q2480-04
 Misc : 7.35g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX4

Quant Time: Jul 11 02:18:30 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)

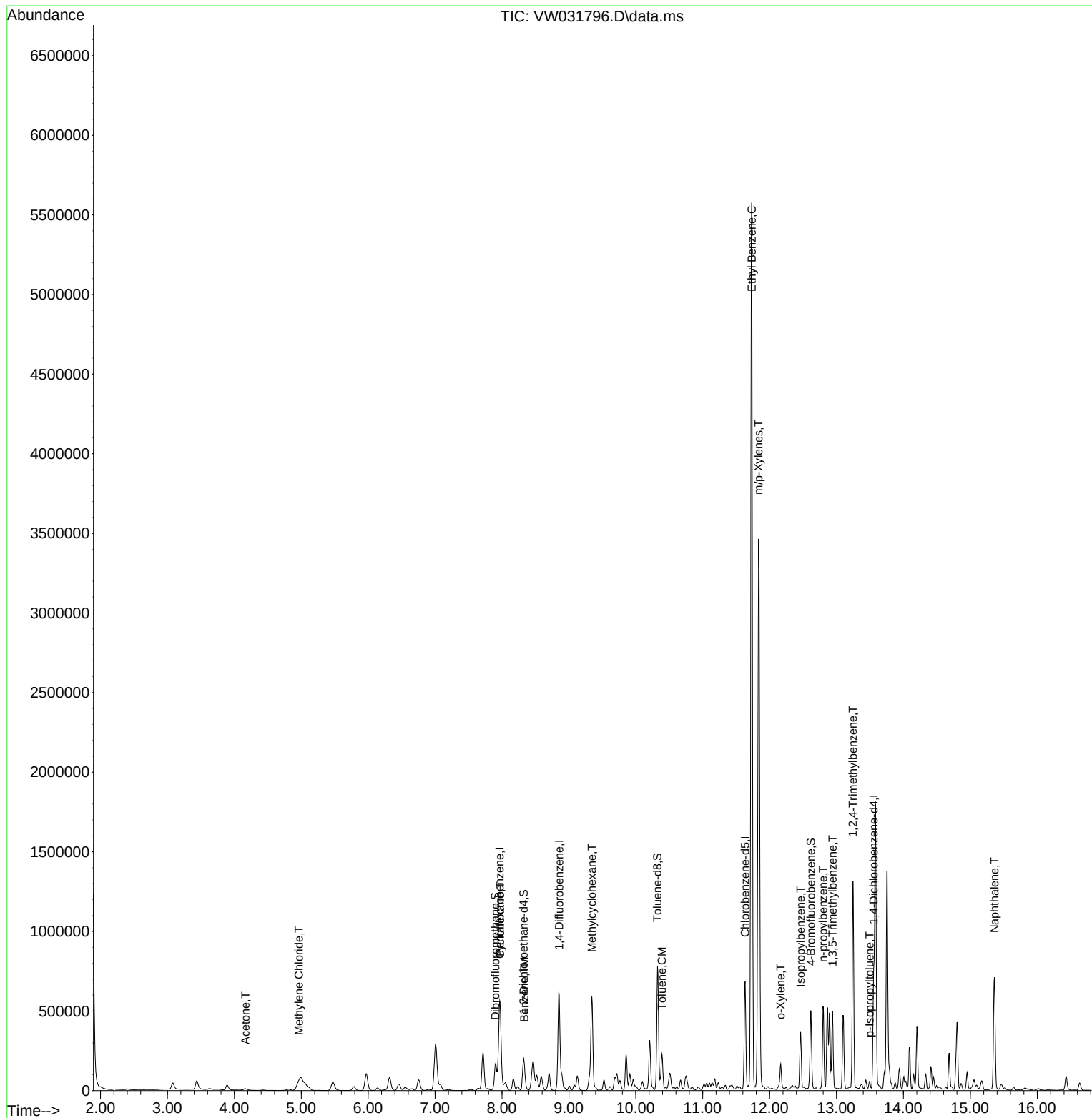
Internal Standards						
1) Pentafluorobenzene	7.965	168	183364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	381218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	138917	52.790	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.580%			
35) Dibromofluoromethane	7.898	113	121682	48.915	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.840%			
50) Toluene-d8	10.325	98	463861	50.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.617	95	163688	48.048	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.100%			
Target Compounds					Qvalue	
16) Acetone	4.167	43	13972	21.481	ug/l	91
20) Methylene Chloride	4.966	84	35164	9.852	ug/l	95
31) Cyclohexane	7.971	56	198958	53.100	ug/l	96
39) Methylcyclohexane	9.343	83	248759	55.544	ug/l	98
40) Benzene	8.337	78	57545	5.403	ug/l	100
52) Toluene	10.392	92	93886	13.769	ug/l	97
67) Ethyl Benzene	11.733	91	4021800	295.667	ug/l	98
68) m/p-Xylenes	11.837	106	1098568	210.091	ug/l	98
69) o-Xylene	12.166	106	41611	8.595	ug/l	95
73) Isopropylbenzene	12.464	105	228390	18.494	ug/l	100
78) n-propylbenzene	12.800	91	398920	26.975	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	251549	24.608	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	701299	67.710	ug/l	100
86) p-Isopropyltoluene	13.495	119	18858	1.741	ug/l	97
95) Naphthalene	15.360	128	600830	78.710	ug/l	100

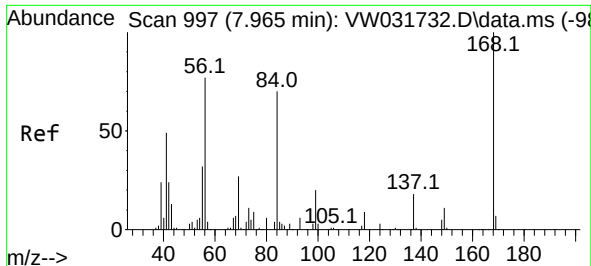
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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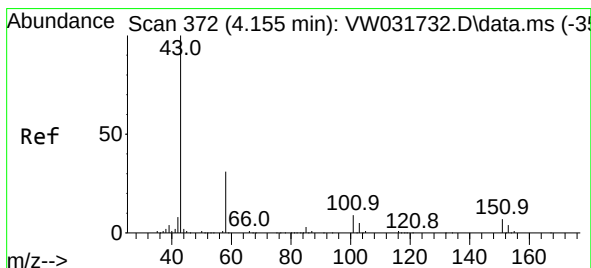
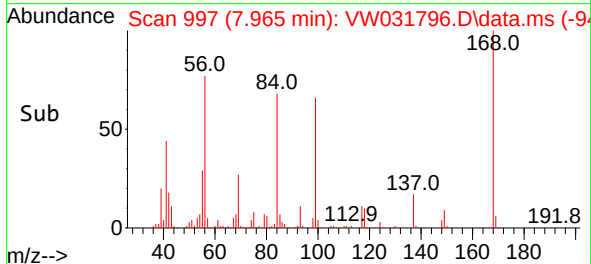
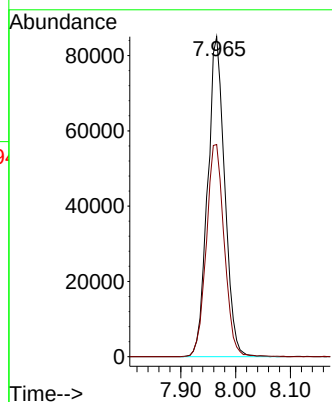
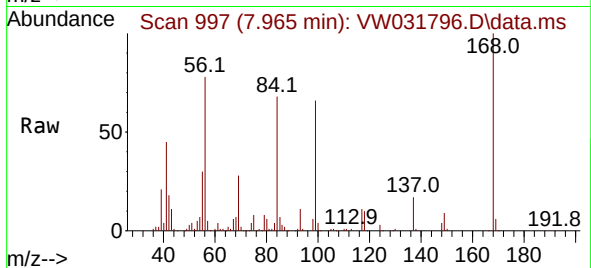




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

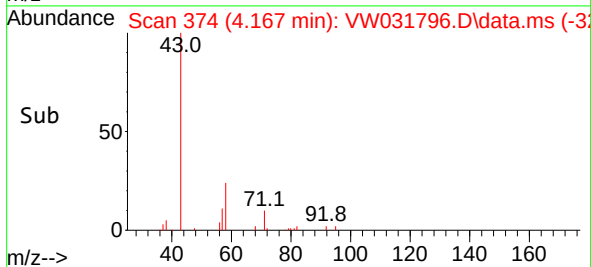
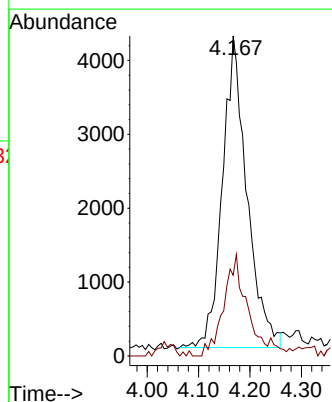
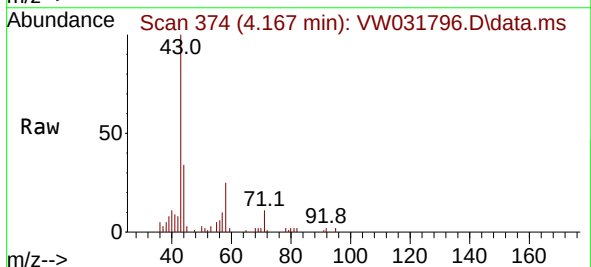
Instrument :
MSVOA_W
ClientSampleId :
GPX4

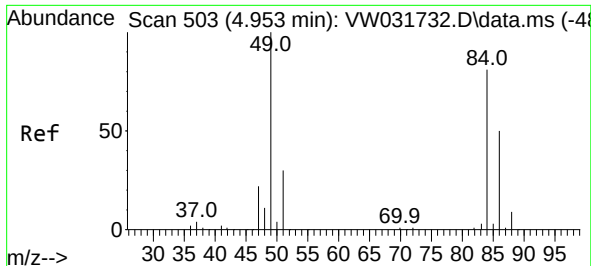
Tgt Ion:168 Resp: 183364
Ion Ratio Lower Upper
168 100
99 66.3 49.4 74.2



#16
Acetone
Concen: 21.481 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 43 Resp: 13972
Ion Ratio Lower Upper
43 100
58 25.9 24.8 37.2

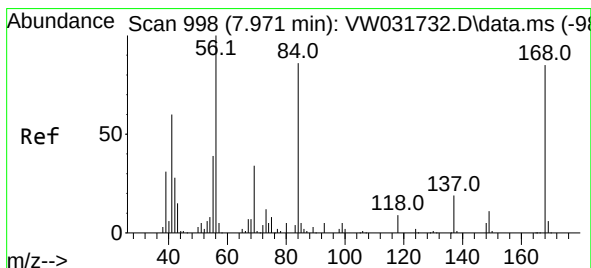
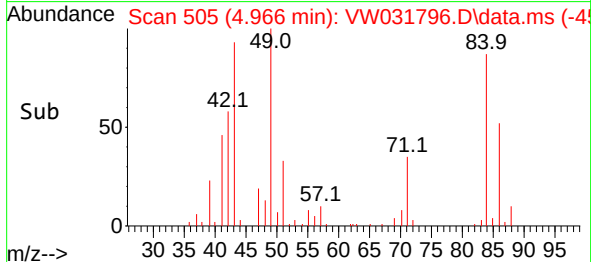
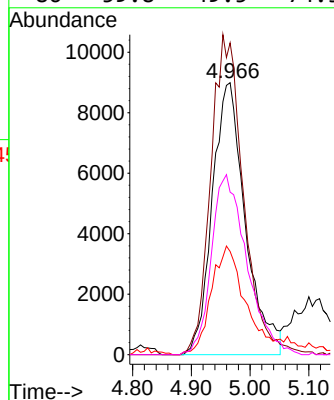
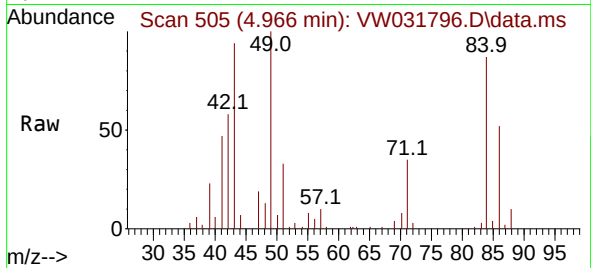




#20
Methylene Chloride
Concen: 9.852 ug/l
RT: 4.966 min Scan# 503
Delta R.T. 0.012 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

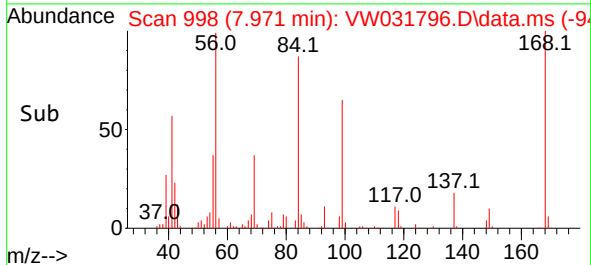
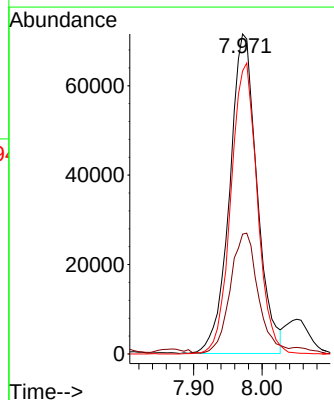
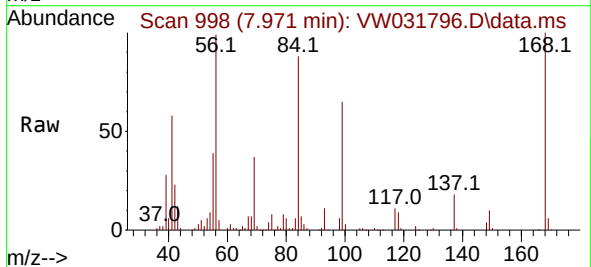
Instrument :
MSVOA_W
ClientSampleId :
GPX4

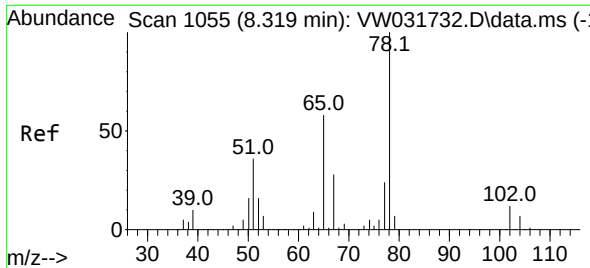
Tgt Ion: 84	Resp: 35164
Ion Ratio	Lower Upper
84 100	
49 114.7	98.2 147.4
51 38.0	29.8 44.8
86 59.8	49.5 74.3



#31
Cyclohexane
Concen: 53.100 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 56	Resp: 198958
Ion Ratio	Lower Upper
56 100	
69 36.4	27.2 40.8
84 88.6	68.5 102.7

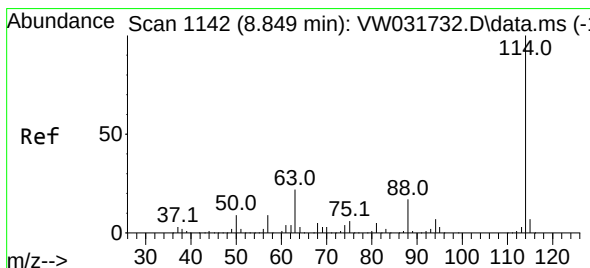
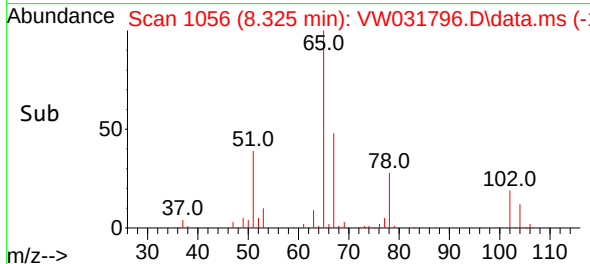
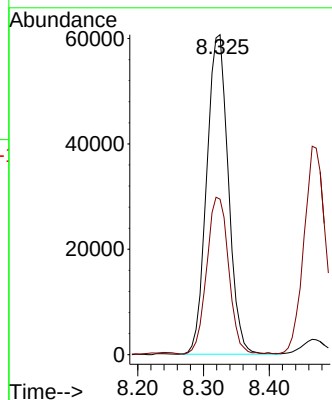
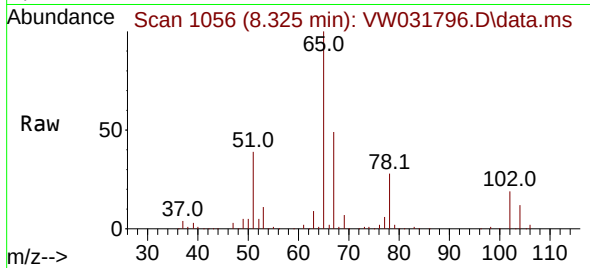




#33
 1,2-Dichloroethane-d4
 Concen: 52.790 ug/l
 RT: 8.325 min Scan# 1056
 Delta R.T. 0.006 min
 Lab File: VW031796.D
 Acq: 10 Jul 2025 12:41

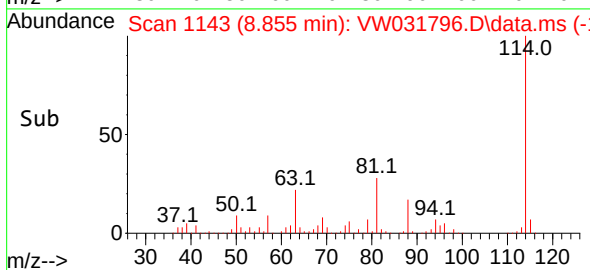
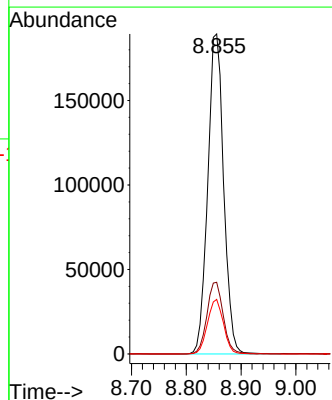
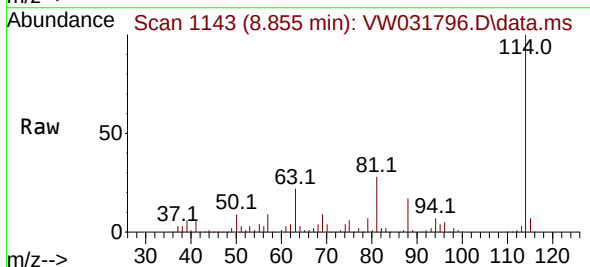
Instrument :
 MSVOA_W
 ClientSampleId :
 GPX4

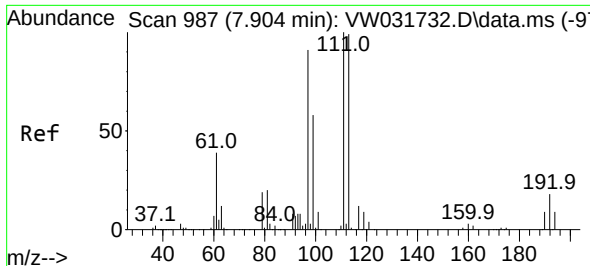
Tgt Ion: 65 Resp: 138917
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031796.D
 Acq: 10 Jul 2025 12:41

Tgt Ion: 114 Resp: 381218
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.6
 88 17.1 0.0 34.2

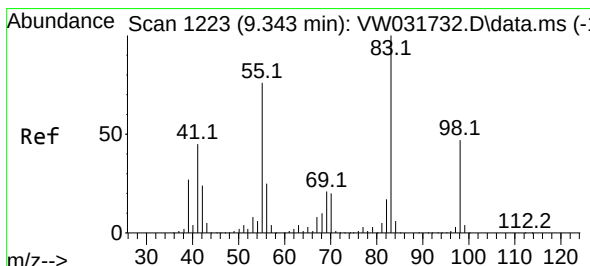
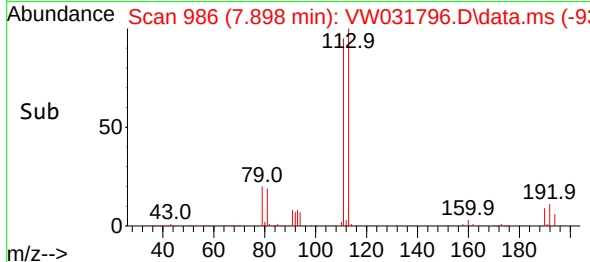
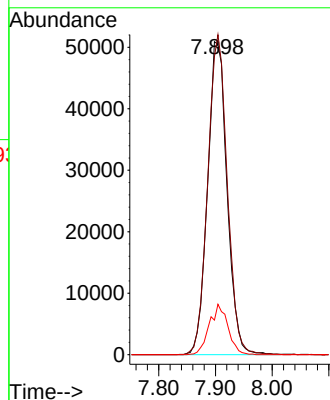
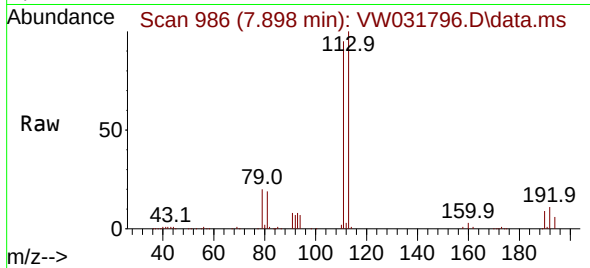




#35
Dibromofluoromethane
Concen: 48.915 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

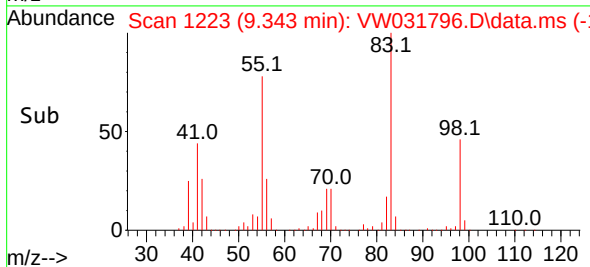
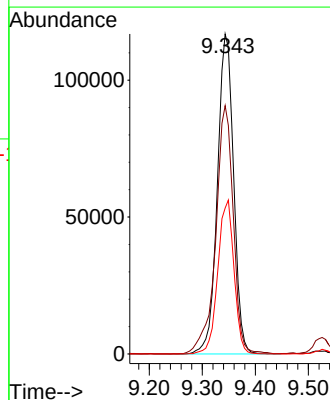
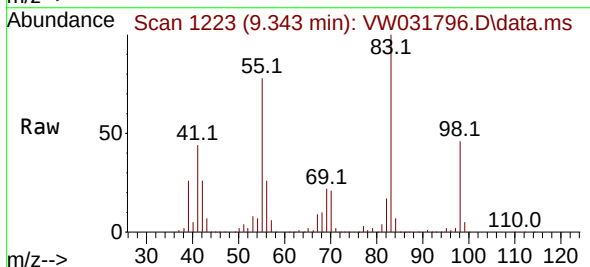
Instrument :
MSVOA_W
ClientSampleId :
GPX4

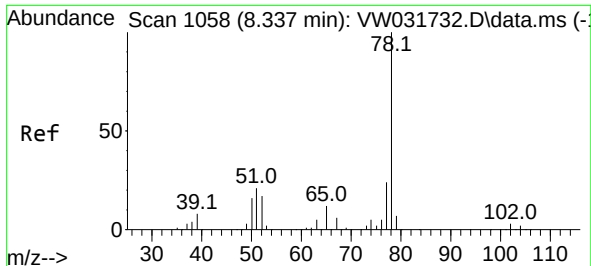
Tgt Ion:113 Resp: 121682
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 15.4 13.8 20.6



#39
Methylcyclohexane
Concen: 55.544 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 83 Resp: 248759
Ion Ratio Lower Upper
83 100
55 77.5 61.0 91.4
98 45.6 37.9 56.9

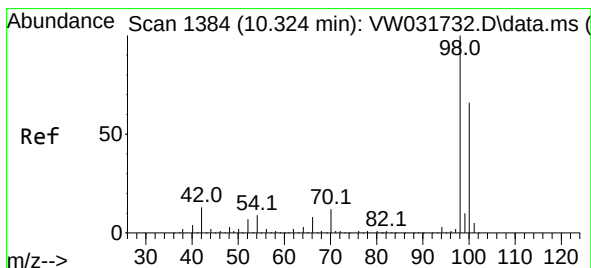
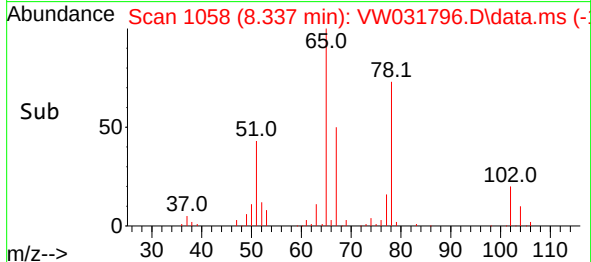
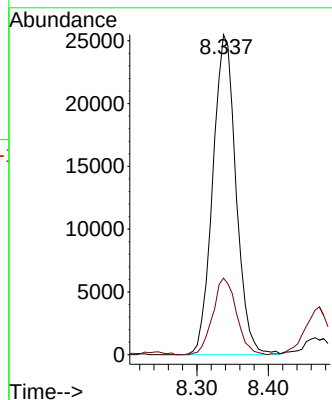
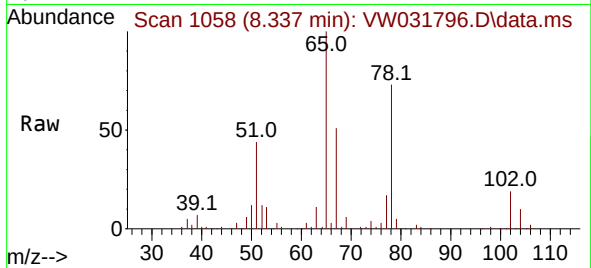




#40
Benzene
Concen: 5.403 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

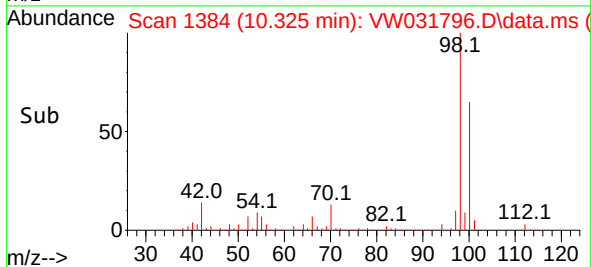
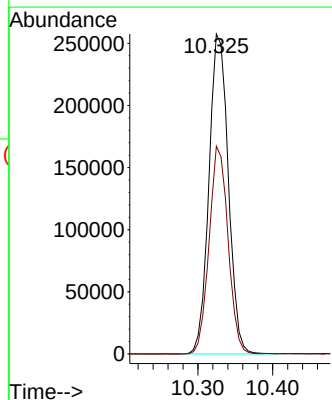
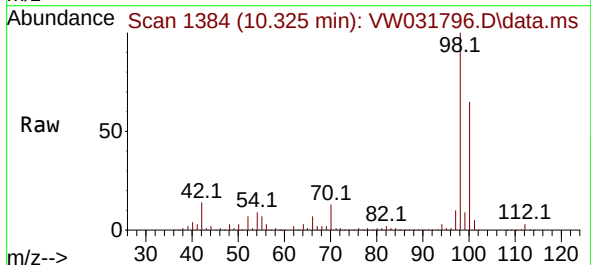
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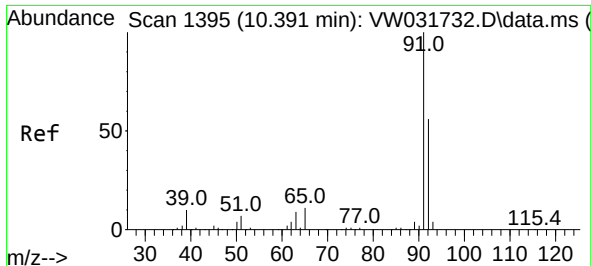
Tgt Ion: 78 Resp: 57545
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8



#50
Toluene-d8
Concen: 50.107 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 98 Resp: 463861
Ion Ratio Lower Upper
98 100
100 63.6 53.0 79.4

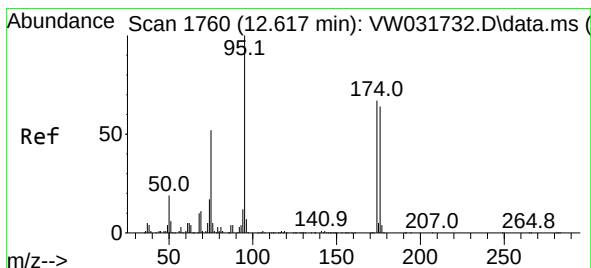
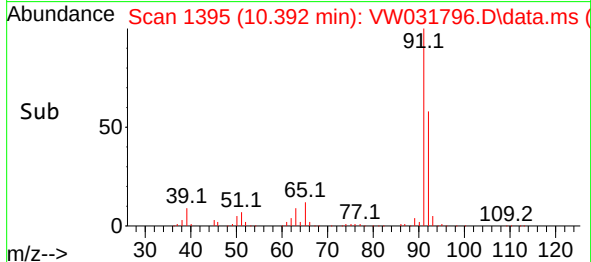
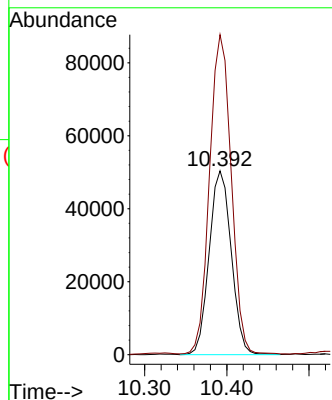
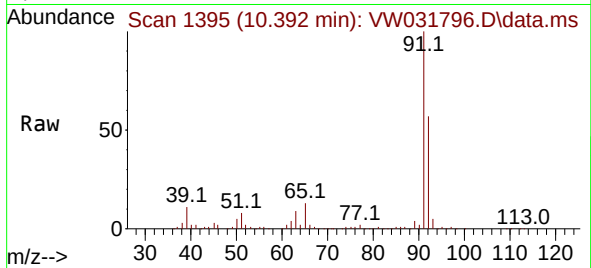




#52
Toluene
Concen: 13.769 ug/l
RT: 10.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

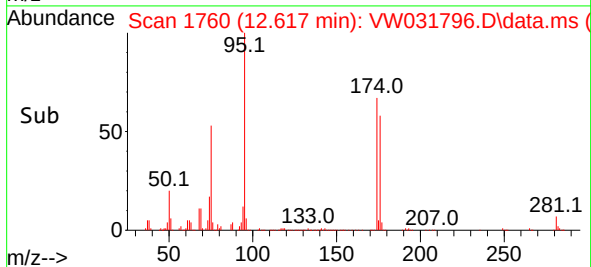
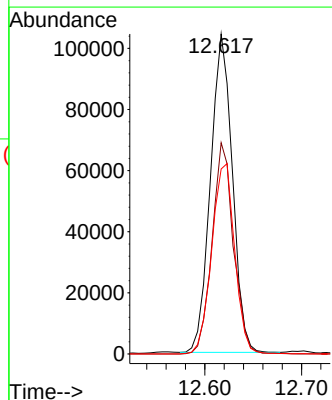
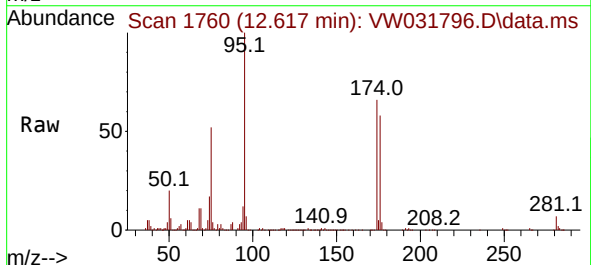
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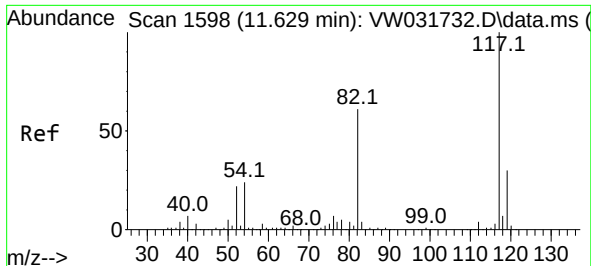
Tgt Ion: 92 Resp: 93886
Ion Ratio Lower Upper
92 100
91 170.6 139.5 209.3



#62
4-Bromofluorobenzene
Concen: 48.048 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 95 Resp: 163688
Ion Ratio Lower Upper
95 100
174 65.2 0.0 133.8
176 62.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VW031796.D

Acq: 10 Jul 2025 12:41

Instrument :

MSVOA_W

ClientSampleId :

GPX4

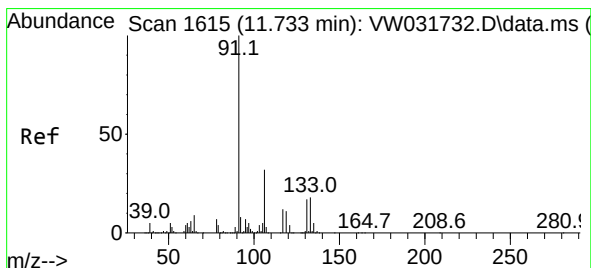
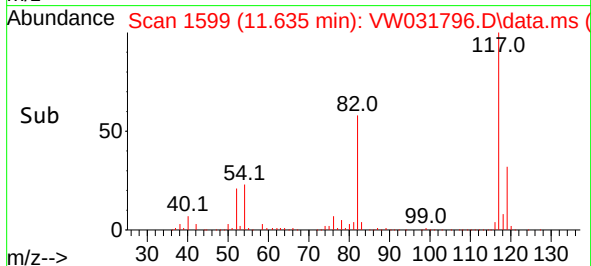
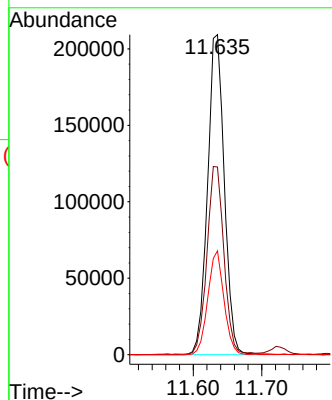
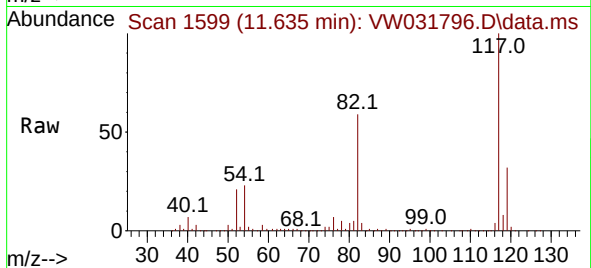
Tgt Ion:117 Resp: 355538

Ion Ratio Lower Upper

117 100

82 58.5 48.6 72.8

119 32.5 23.9 35.9



#67

Ethyl Benzene

Concen: 295.667 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.000 min

Lab File: VW031796.D

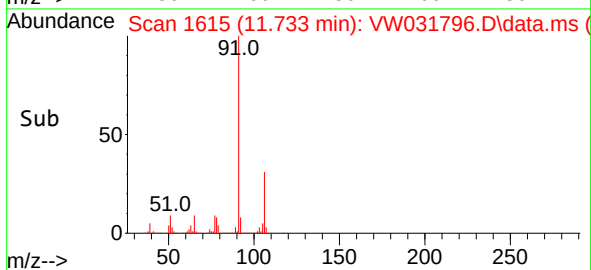
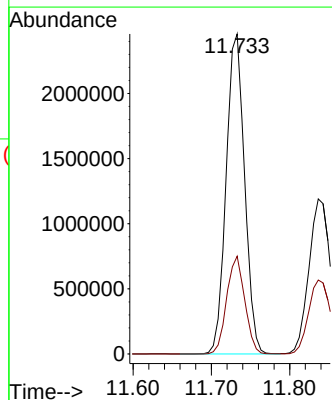
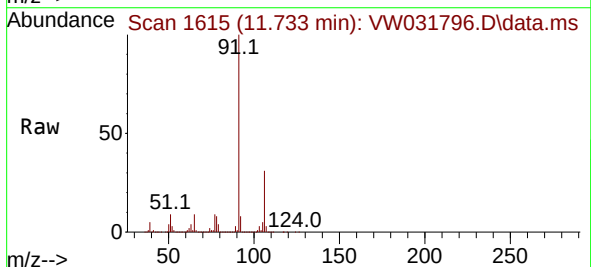
Acq: 10 Jul 2025 12:41

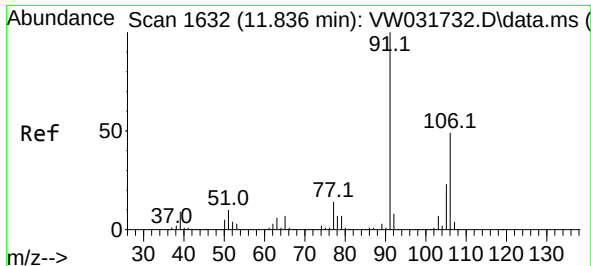
Tgt Ion: 91 Resp: 4021800

Ion Ratio Lower Upper

91 100

106 30.6 25.4 38.2

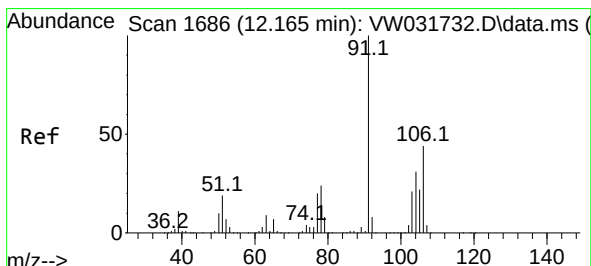
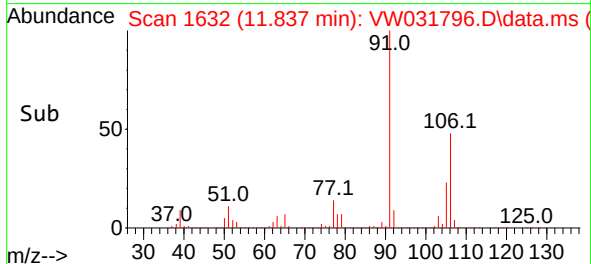
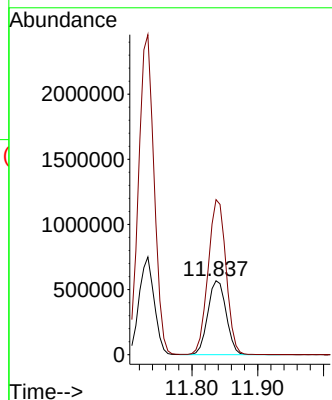
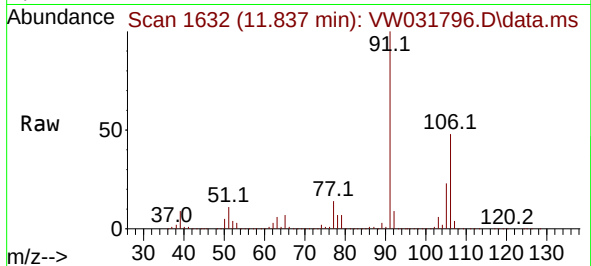




#68
m/p-Xylenes
Concen: 210.091 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

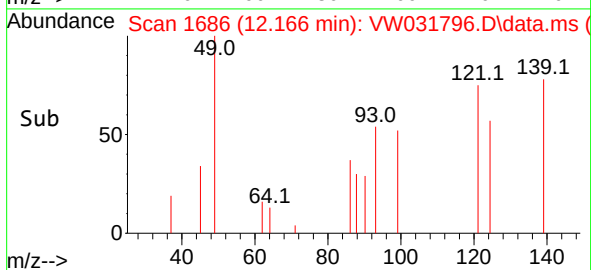
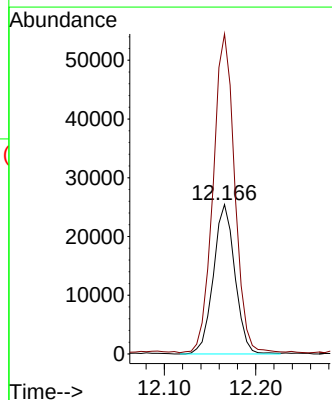
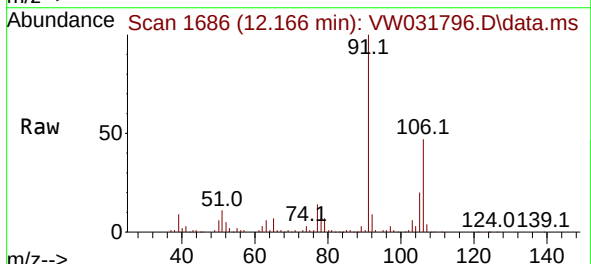
Instrument :
MSVOA_W
ClientSampleId :
GPX4

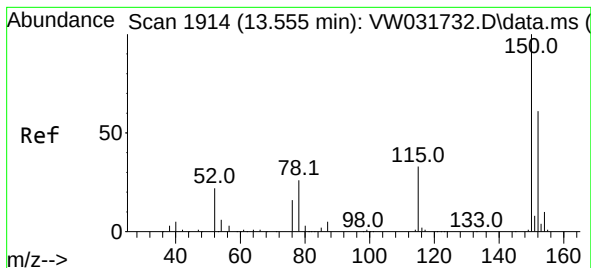
Tgt Ion:106 Resp: 1098568
Ion Ratio Lower Upper
106 100
91 205.7 166.4 249.6



#69
o-Xylene
Concen: 8.595 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion:106 Resp: 41611
Ion Ratio Lower Upper
106 100
91 214.0 111.5 334.4

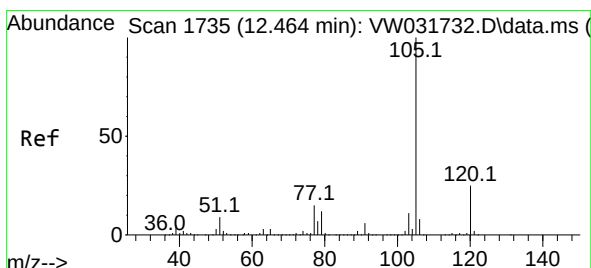
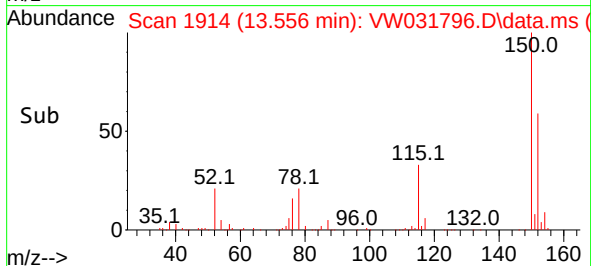
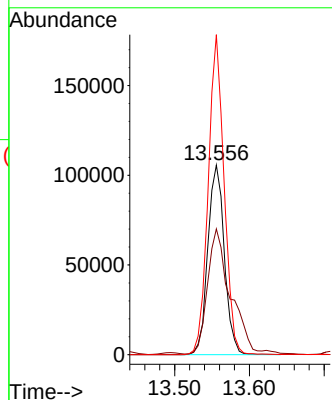
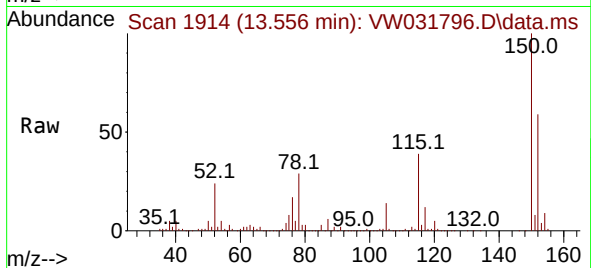




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

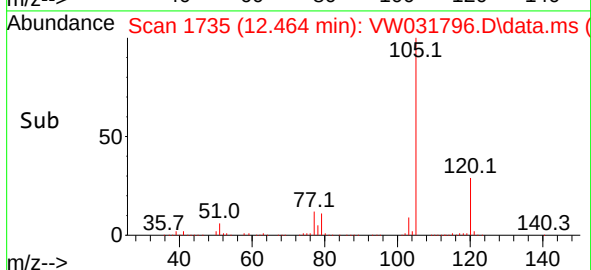
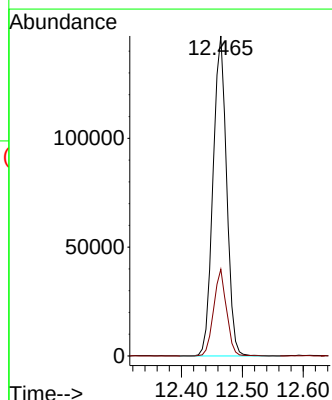
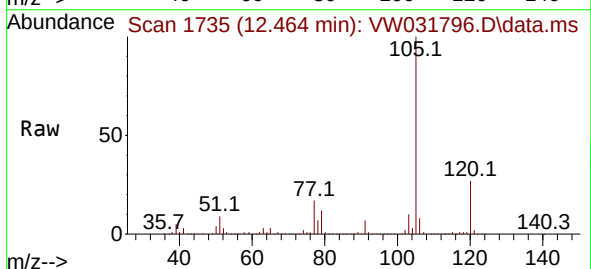
Instrument :
MSVOA_W
ClientSampleId :
GPX4

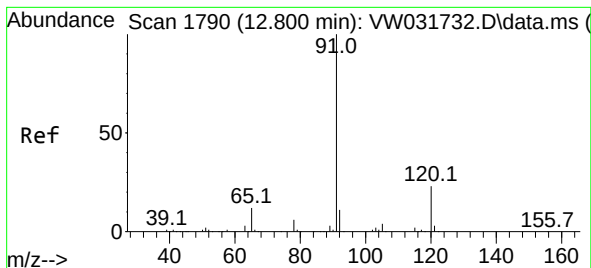
Tgt Ion:152 Resp: 162355
Ion Ratio Lower Upper
152 100
115 93.6 31.9 95.7
150 162.1 0.0 356.4



#73
Isopropylbenzene
Concen: 18.494 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion:105 Resp: 228390
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4





#78

n-propylbenzene

Concen: 26.975 ug/l

RT: 12.800 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031796.D

Acq: 10 Jul 2025 12:41

Instrument :

MSVOA_W

ClientSampleId :

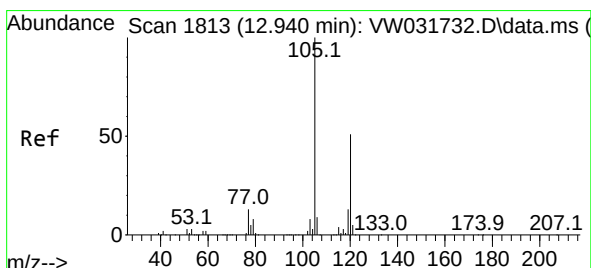
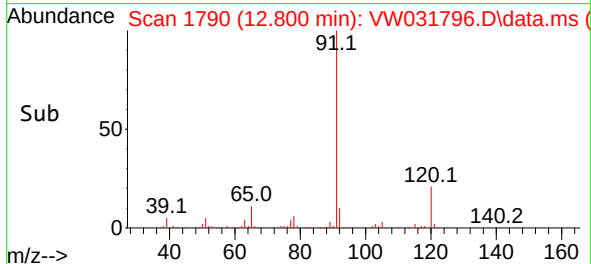
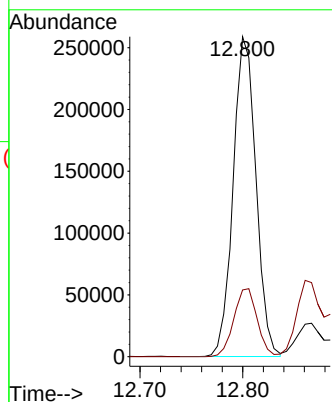
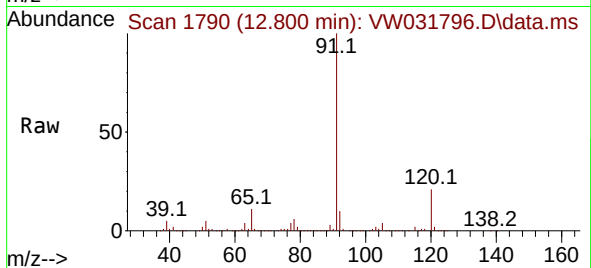
GPX4

Tgt Ion: 91 Resp: 398920

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 24.608 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031796.D

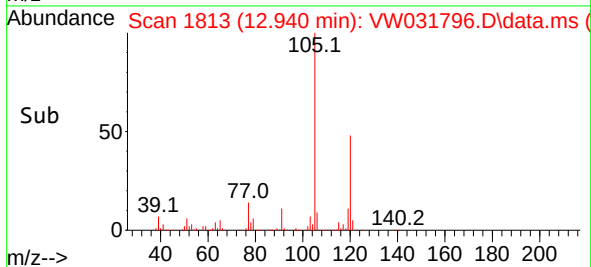
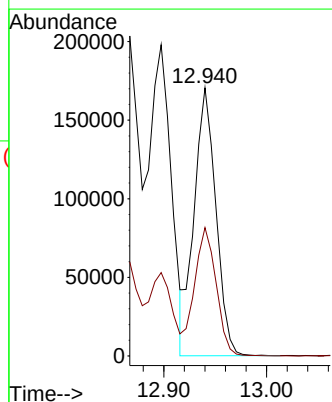
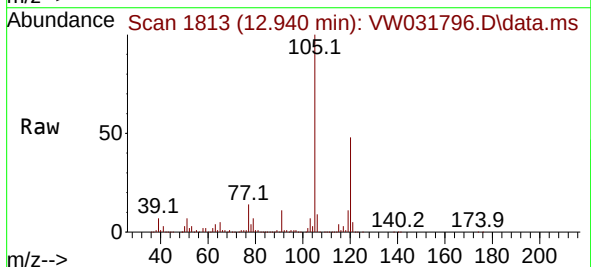
Acq: 10 Jul 2025 12:41

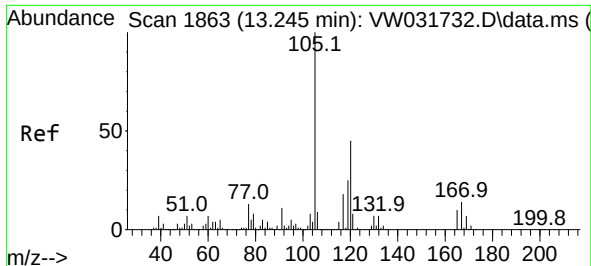
Tgt Ion:105 Resp: 251549

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.2

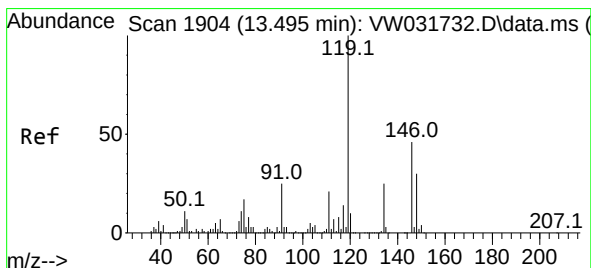
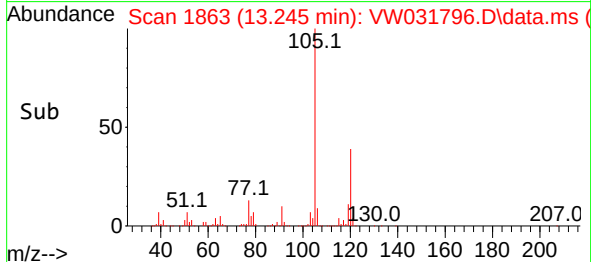
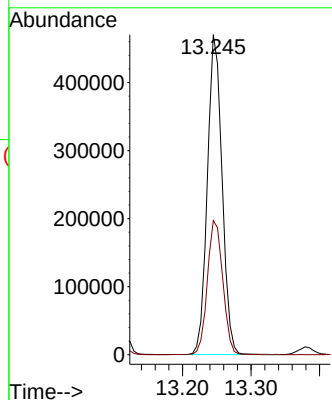
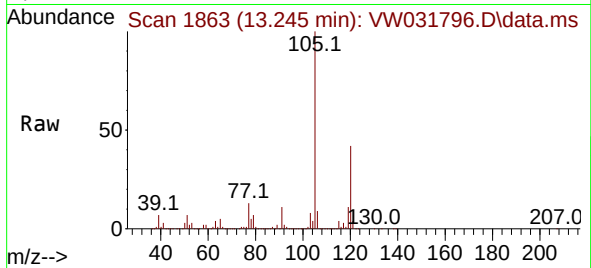




#84
1,2,4-Trimethylbenzene
Concen: 67.710 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

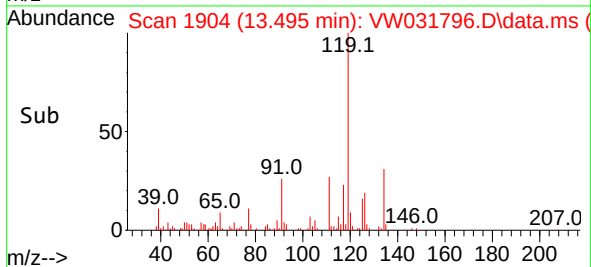
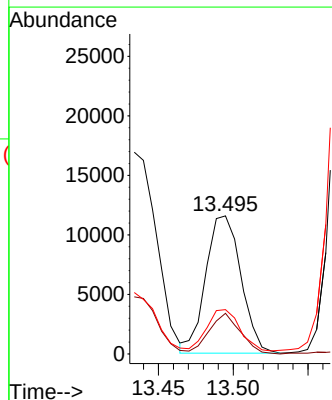
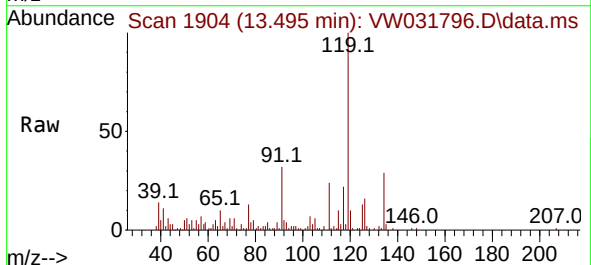
Instrument :
MSVOA_W
ClientSampleId :
GPX4

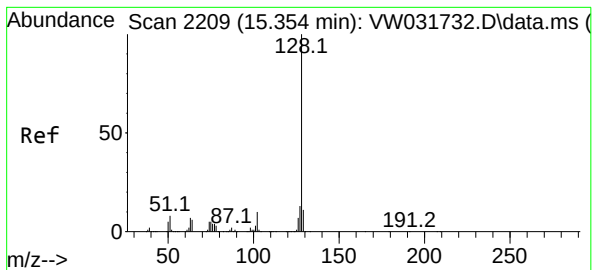
Tgt Ion:105 Resp: 701299
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.1



#86
p-Isopropyltoluene
Concen: 1.741 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

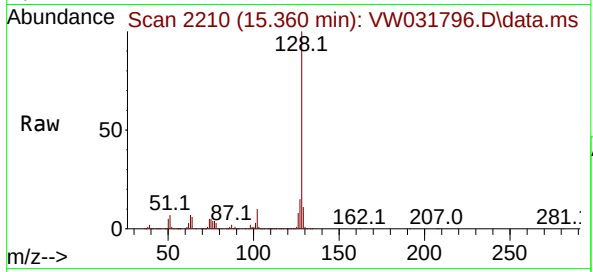
Tgt Ion:119 Resp: 18858
Ion Ratio Lower Upper
119 100
134 26.1 12.9 38.7
91 27.9 12.7 38.0





#95
Naphthalene
Concen: 78.710 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Instrument :
MSVOA_W
ClientSampleId :
GPX4



Tgt Ion:128 Resp: 600830

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.9	8.7	13.1

