

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022985.D
 Acq On : 08 Jul 2025 18:57
 Operator : SY/MD
 Sample : Q2480-04
 Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX4

Quant Time: Jul 09 02:36:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

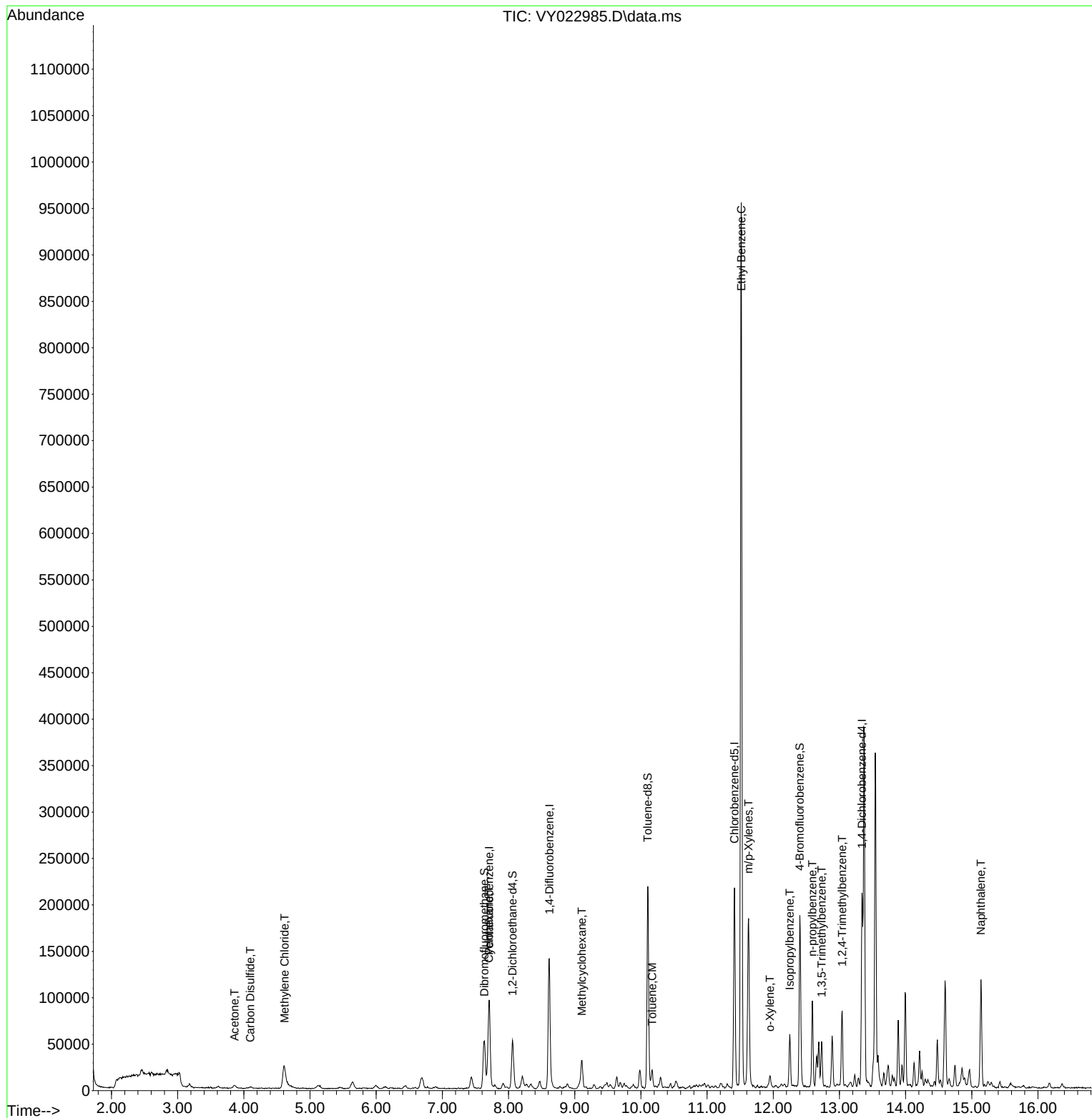
Internal Standards						
1) Pentafluorobenzene	7.707	168	58790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	110541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	111949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	50236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	38613	58.847	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.700%	
35) Dibromofluoromethane	7.634	113	37096	55.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.360%	
50) Toluene-d8	10.103	98	132824	49.791	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	12.402	95	49635	57.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.760%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	5350	43.139	ug/l	93
17) Carbon Disulfide	4.098	76	2062	1.073	ug/l #	91
20) Methylene Chloride	4.616	84	16612	21.210	ug/l	94
31) Cyclohexane	7.701	56	9346	8.293	ug/l #	87
39) Methylcyclohexane	9.110	83	11101	8.418	ug/l	93
52) Toluene	10.170	92	7433	3.761	ug/l	94
67) Ethyl Benzene	11.518	91	637902	147.594	ug/l	98
68) m/p-Xylenes	11.627	106	56004	33.521	ug/l	100
69) o-Xylene	11.950	106	3089	1.962	ug/l	87
73) Isopropylbenzene	12.249	105	33308	8.965	ug/l	99
78) n-propylbenzene	12.591	91	65046	14.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	21191	7.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	43081	14.347	ug/l	99
95) Naphthalene	15.139	128	89236	58.639	ug/l	98

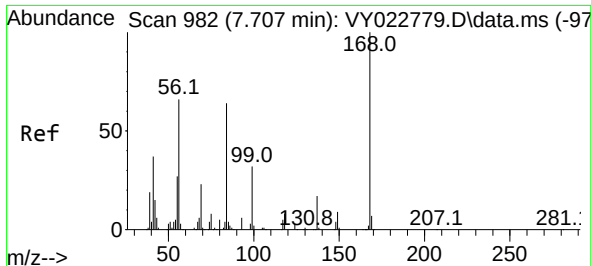
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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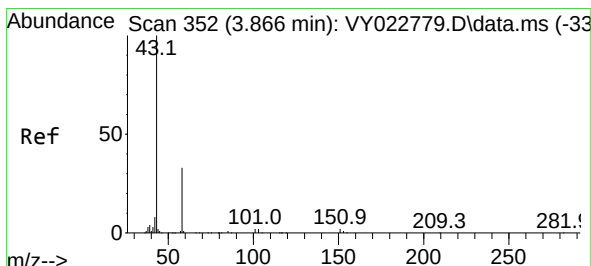
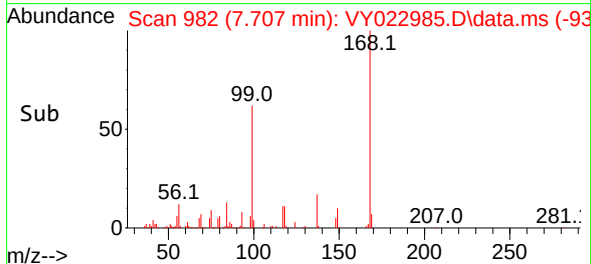
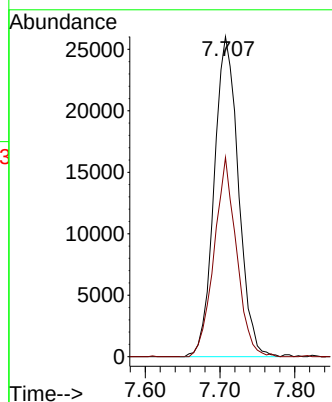
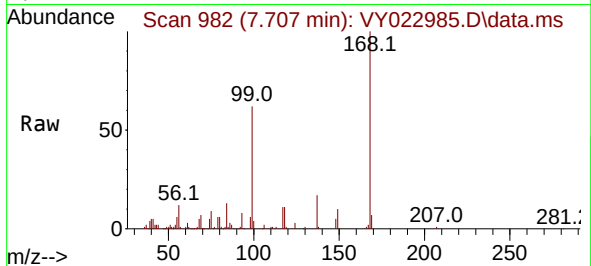




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

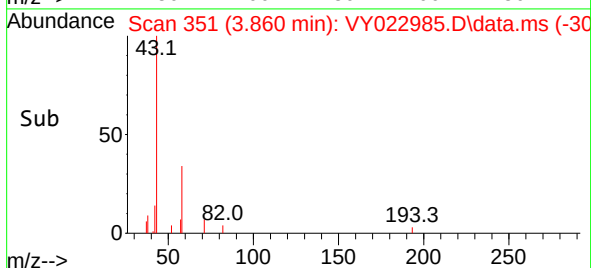
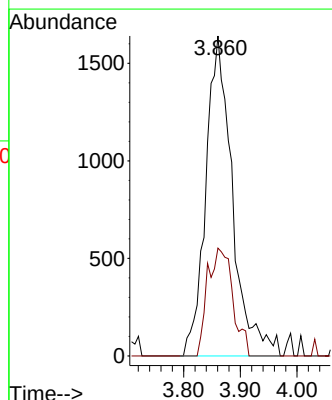
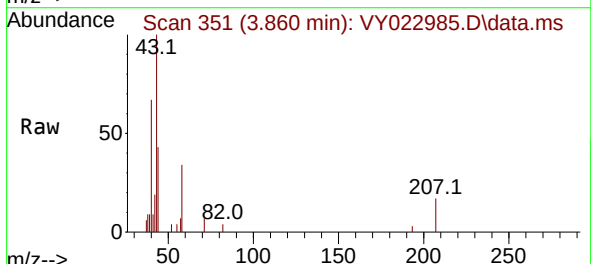
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

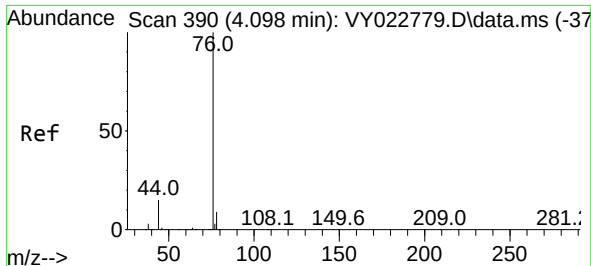
Tgt Ion:168 Resp: 58790
Ion Ratio Lower Upper
168 100
99 62.2 44.3 66.5



#16
Acetone
Concen: 43.139 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion: 43 Resp: 5350
Ion Ratio Lower Upper
43 100
58 33.7 24.0 36.0

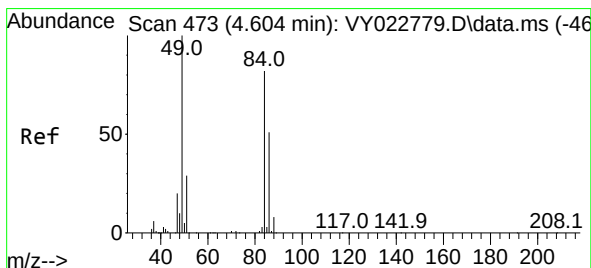
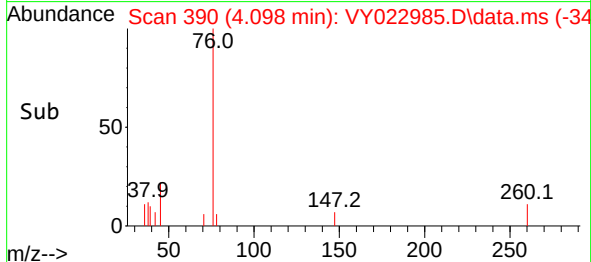
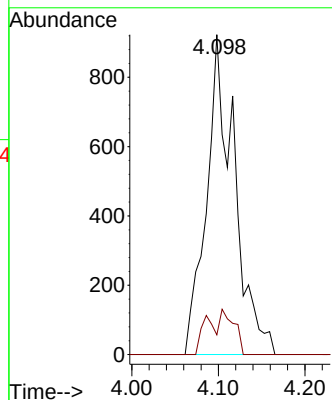
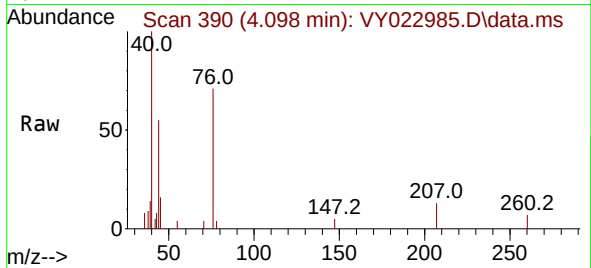




#17
Carbon Disulfide
Concen: 1.073 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

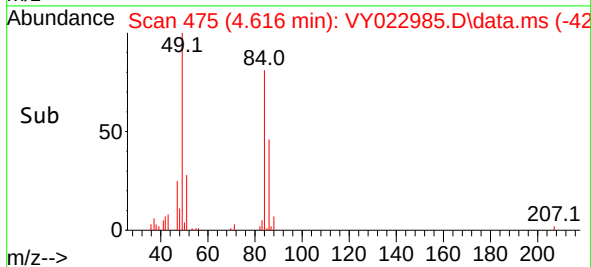
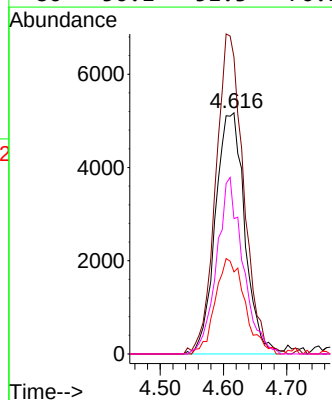
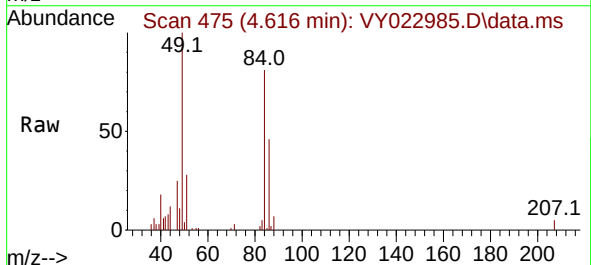
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

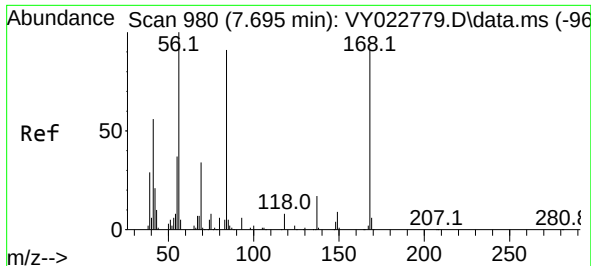
Tgt Ion: 76 Resp: 2062
Ion Ratio Lower Upper
76 100
78 6.2 7.4 11.2#



#20
Methylene Chloride
Concen: 21.210 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion: 84 Resp: 16612
Ion Ratio Lower Upper
84 100
49 123.1 101.9 152.9
51 34.1 29.8 44.8
86 56.1 51.3 76.9

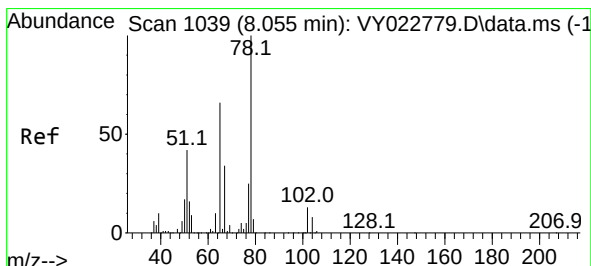
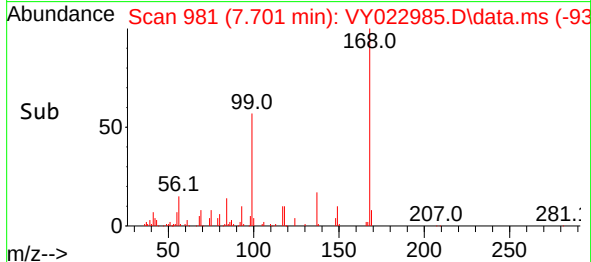
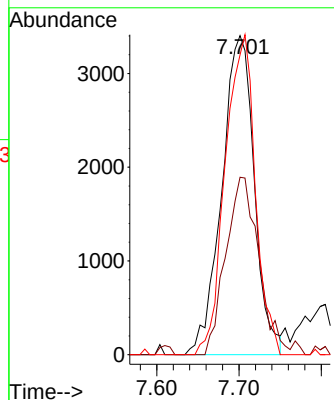
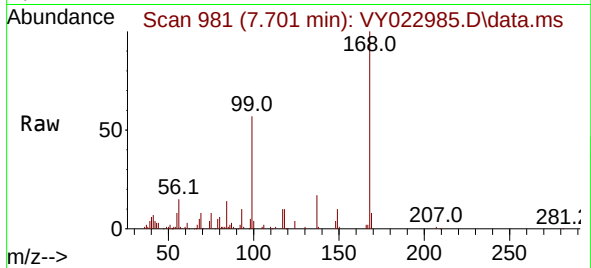




#31
Cyclohexane
Concen: 8.293 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

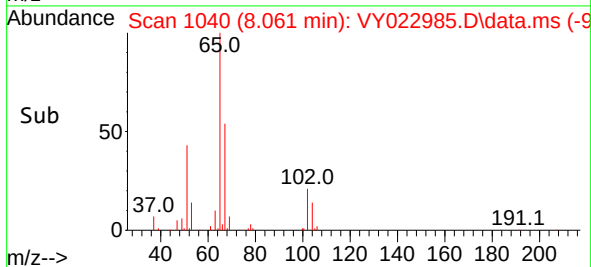
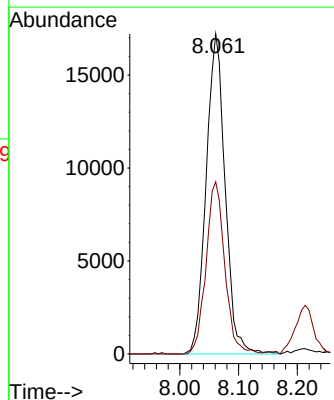
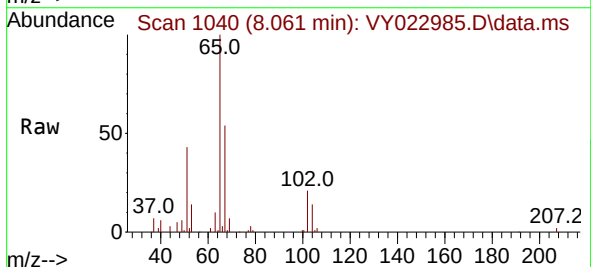
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

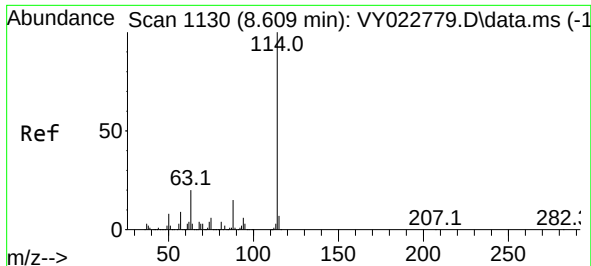
Tgt Ion: 56 Resp: 9346
Ion Ratio Lower Upper
56 100
69 55.6 27.0 40.6#
84 94.0 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 58.847 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion: 65 Resp: 38613
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

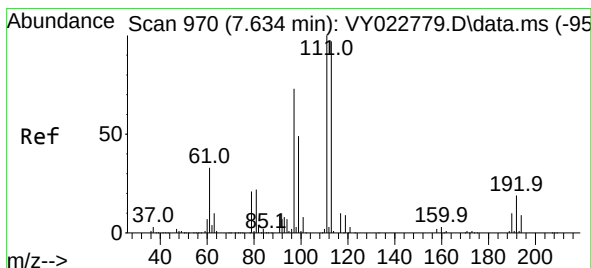
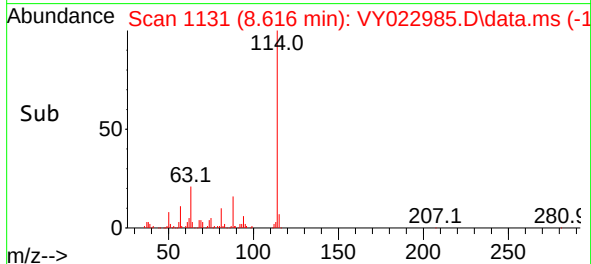
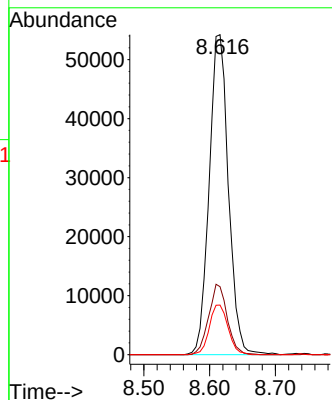
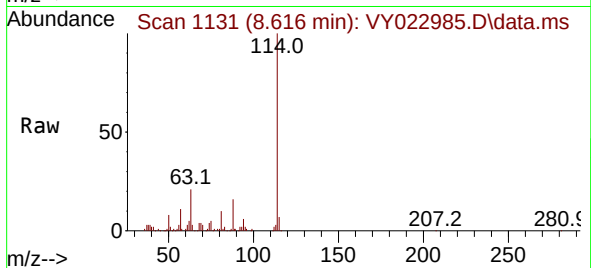




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

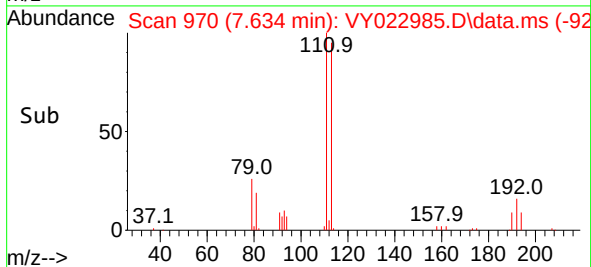
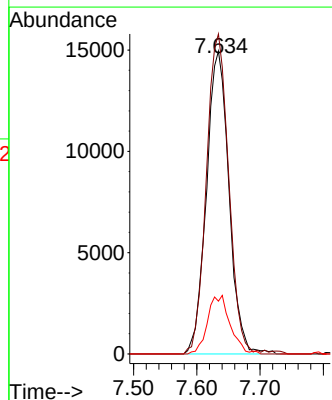
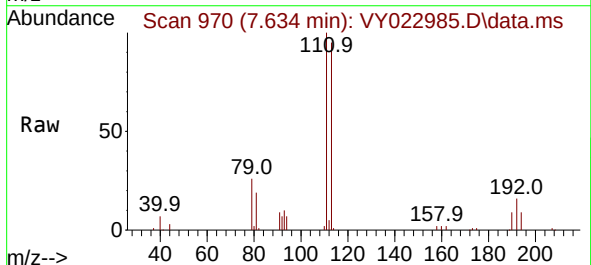
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

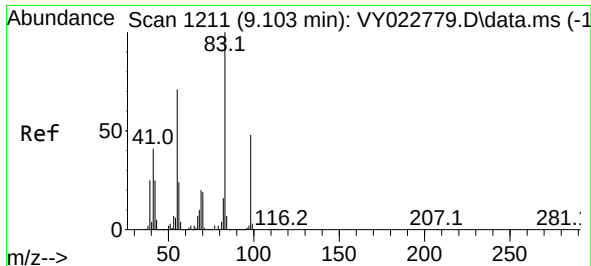
Tgt Ion:114 Resp: 110541
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 55.181 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion:113 Resp: 37096
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 19.4 14.2 21.2





#39

Methylcyclohexane

Concen: 8.418 ug/l

RT: 9.110 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022985.D

Acq: 08 Jul 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

GPX4

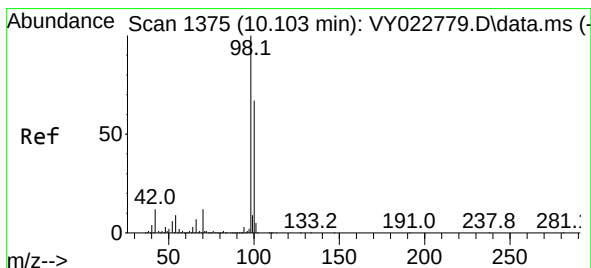
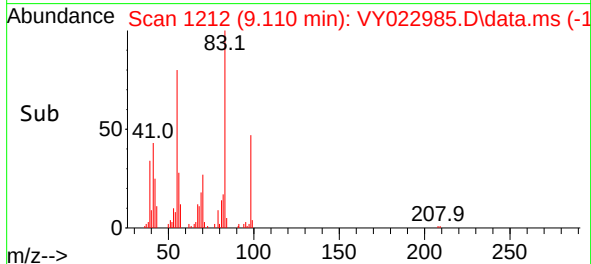
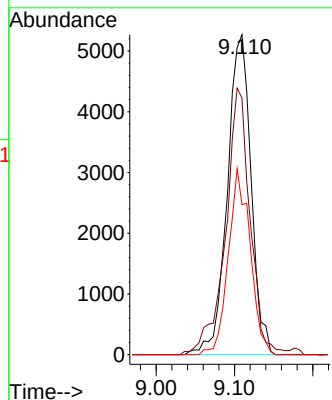
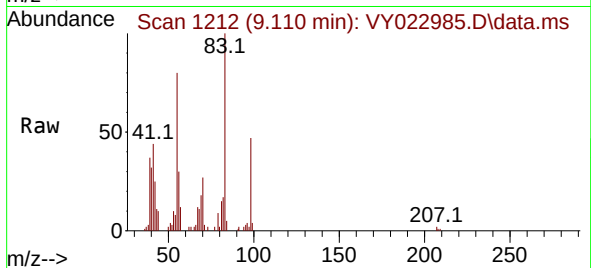
Tgt Ion: 83 Resp: 11101

Ion Ratio Lower Upper

83 100

55 80.2 58.1 87.1

98 46.9 39.0 58.6



#50

Toluene-d8

Concen: 49.791 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022985.D

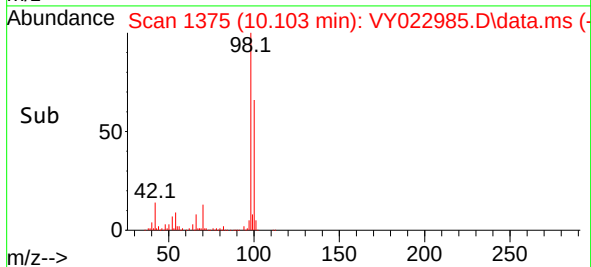
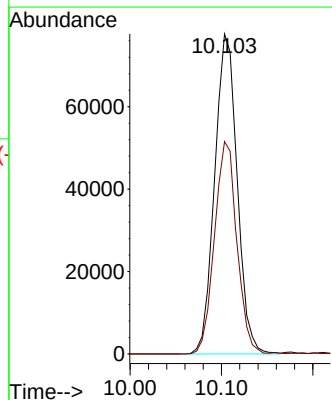
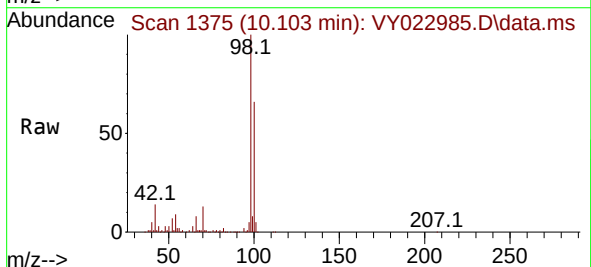
Acq: 08 Jul 2025 18:57

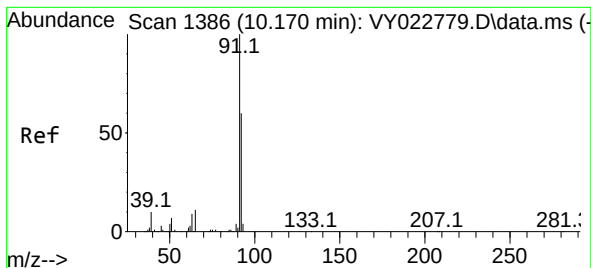
Tgt Ion: 98 Resp: 132824

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.0





#52

Toluene

Concen: 3.761 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022985.D

Acq: 08 Jul 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

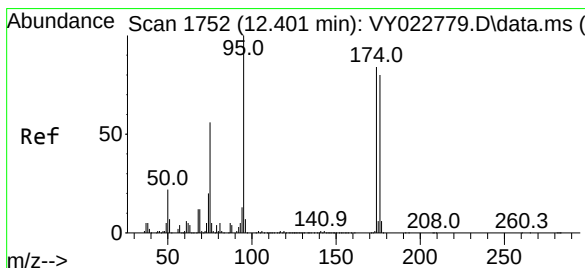
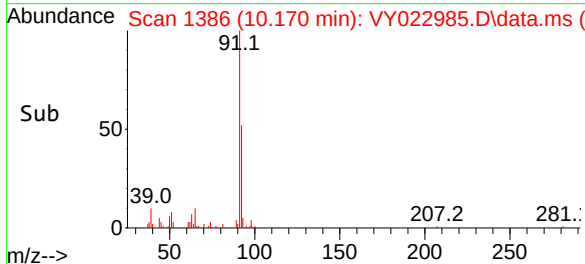
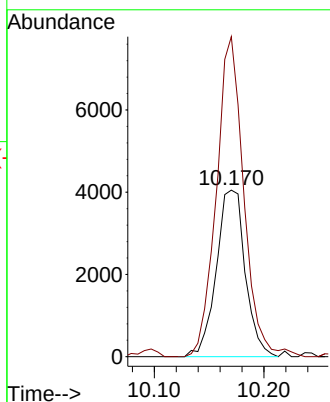
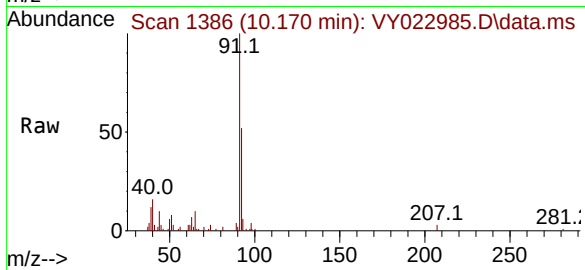
GPX4

Tgt Ion: 92 Resp: 7433

Ion Ratio Lower Upper

92 100

91 181.9 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 57.880 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022985.D

Acq: 08 Jul 2025 18:57

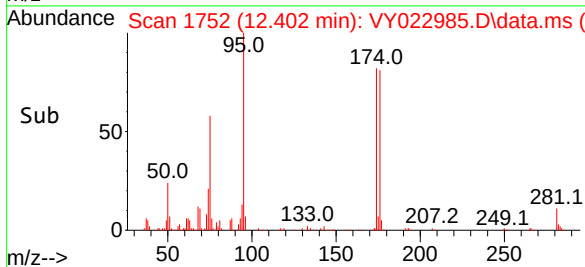
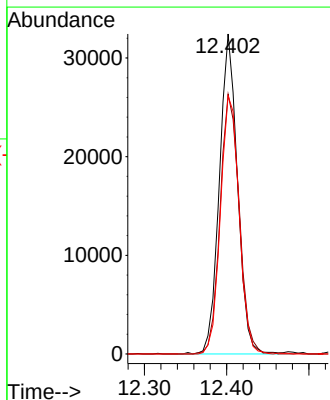
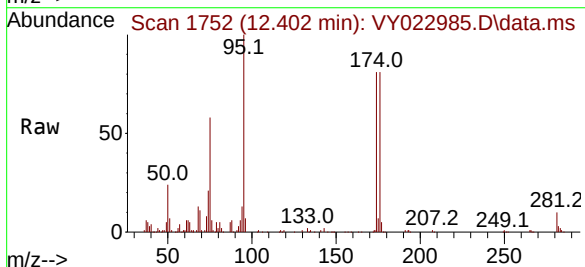
Tgt Ion: 95 Resp: 49635

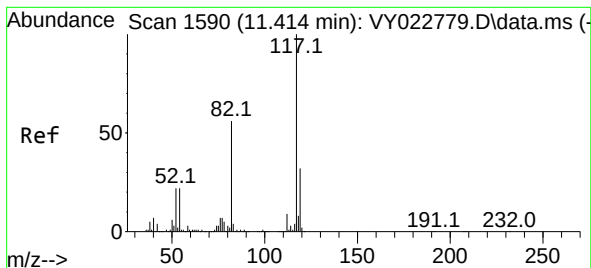
Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.0

176 83.0 0.0 166.2

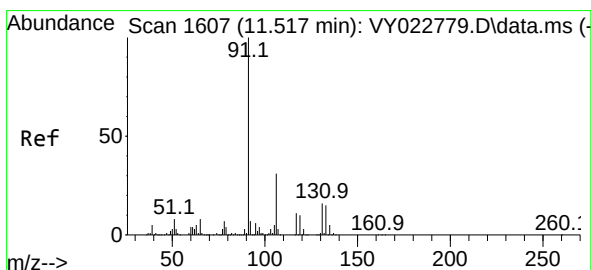
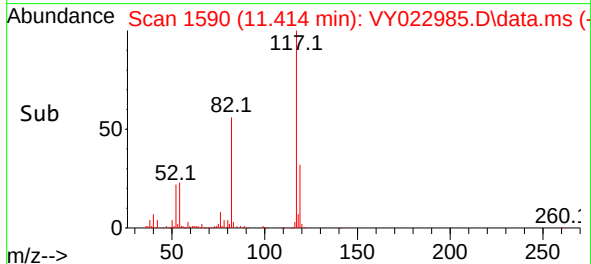
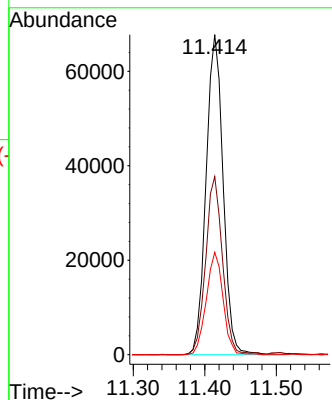
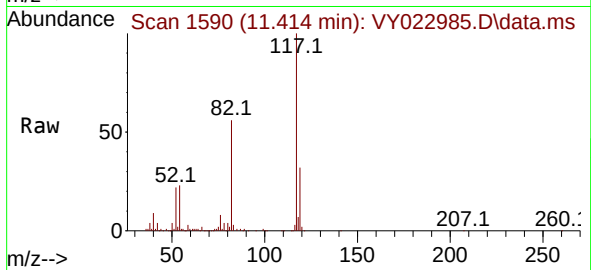




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

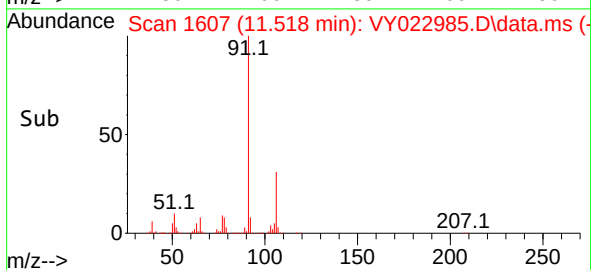
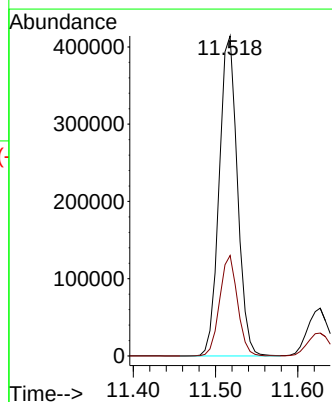
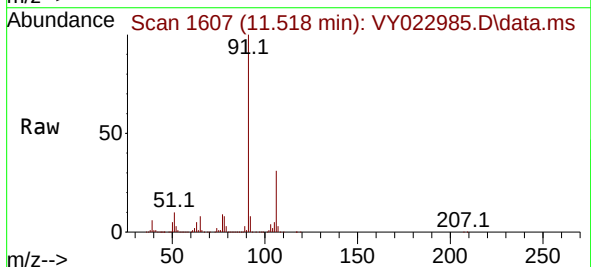
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

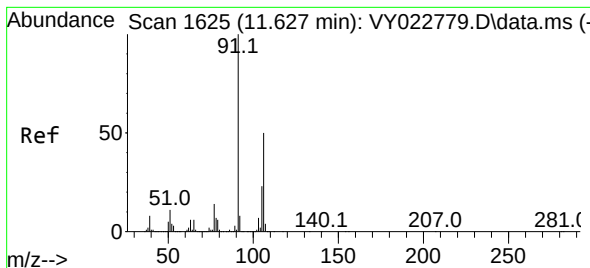
Tgt Ion:117 Resp: 111949
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 147.594 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion: 91 Resp: 637902
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

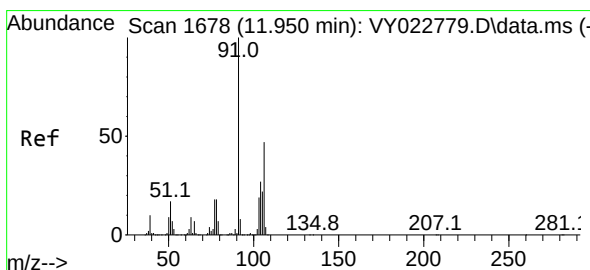
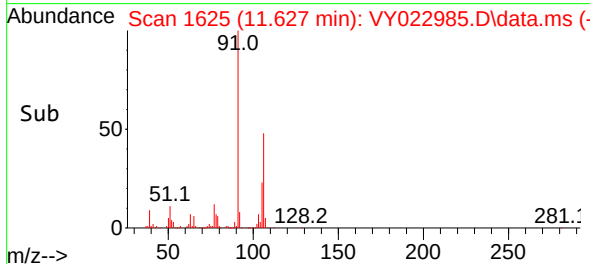
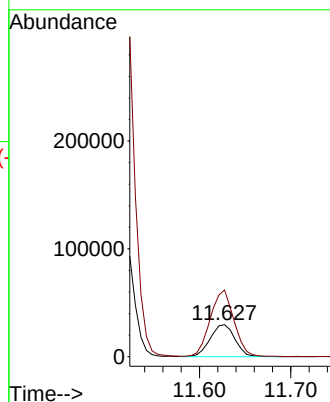
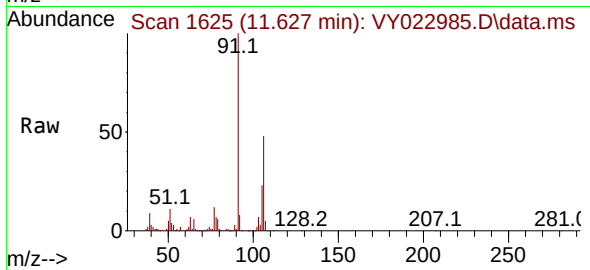




#68
m/p-Xylenes
Concen: 33.521 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

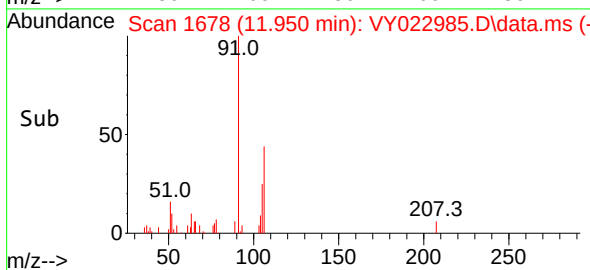
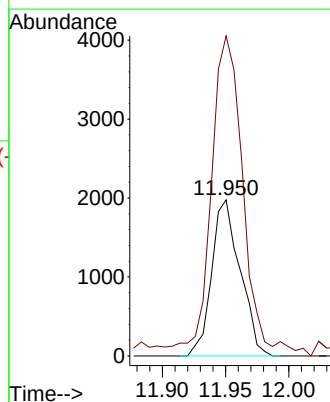
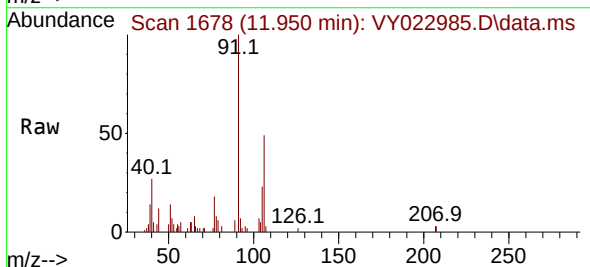
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

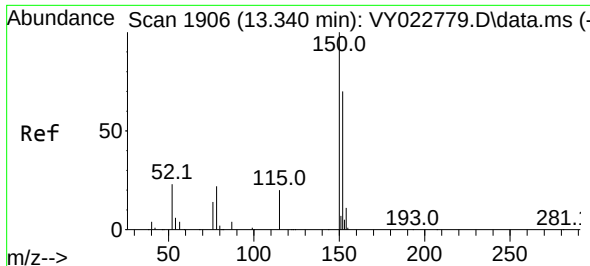
Tgt Ion:106 Resp: 56004
Ion Ratio Lower Upper
106 100
91 199.3 159.4 239.0



#69
o-Xylene
Concen: 1.962 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion:106 Resp: 3089
Ion Ratio Lower Upper
106 100
91 231.5 105.8 317.3

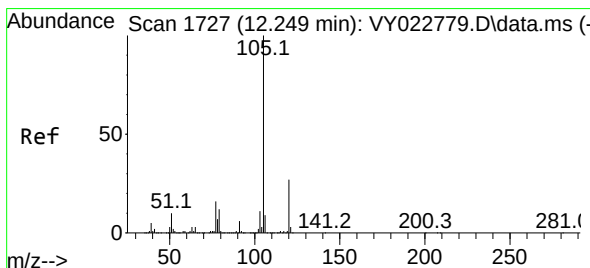
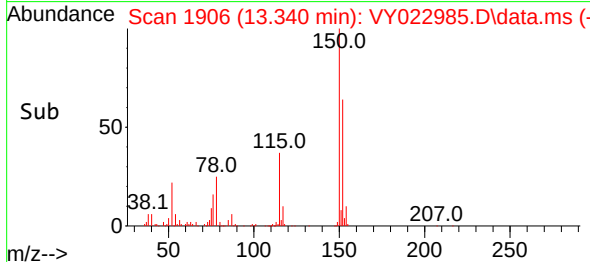
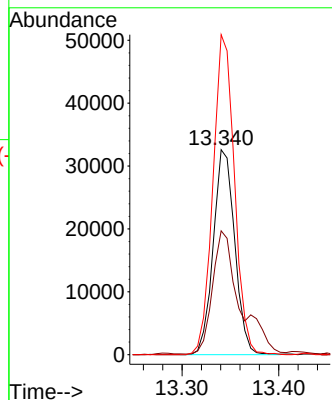
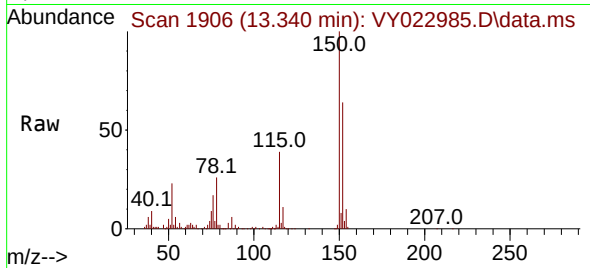




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

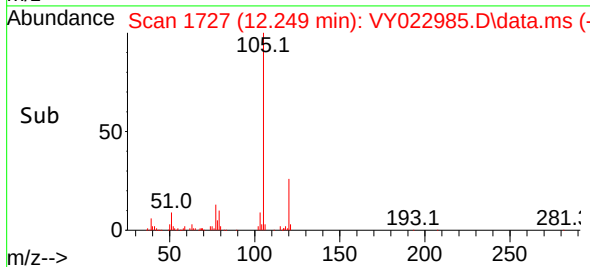
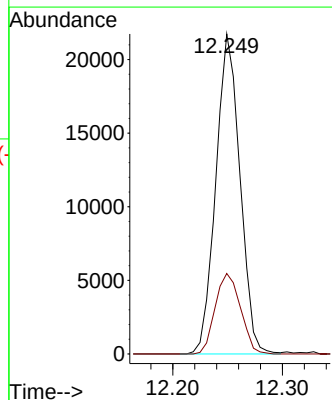
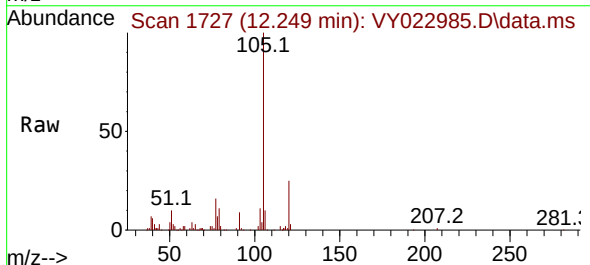
Instrument :
MSVOA_Y
ClientSampleId :
GPX4

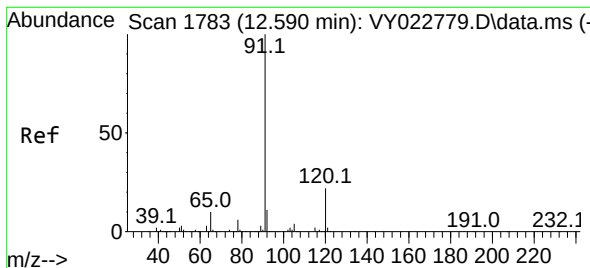
Tgt Ion:152 Resp: 50236
Ion Ratio Lower Upper
152 100
115 76.2 28.9 86.7
150 156.2 0.0 349.6



#73
Isopropylbenzene
Concen: 8.965 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion:105 Resp: 33308
Ion Ratio Lower Upper
105 100
120 26.3 13.0 38.9





#78

n-propylbenzene

Concen: 14.501 ug/l

RT: 12.591 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022985.D

Acq: 08 Jul 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

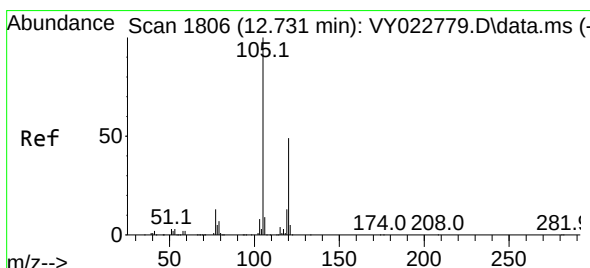
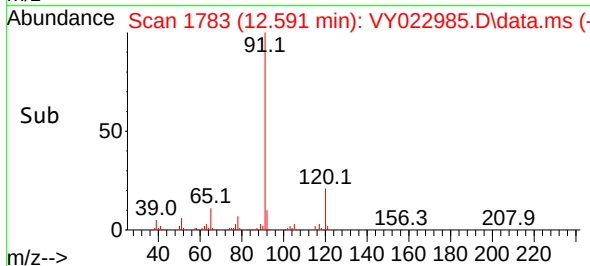
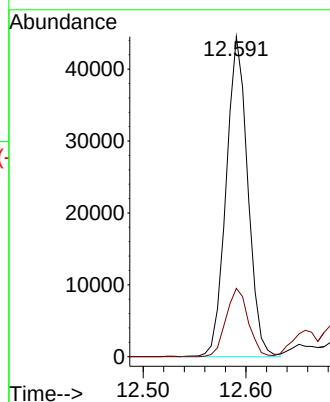
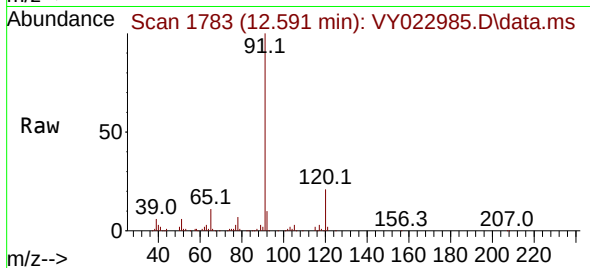
GPX4

Tgt Ion: 91 Resp: 65046

Ion Ratio Lower Upper

91 100

120 22.0 10.8 32.4



#80

1,3,5-Trimethylbenzene

Concen: 7.066 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY022985.D

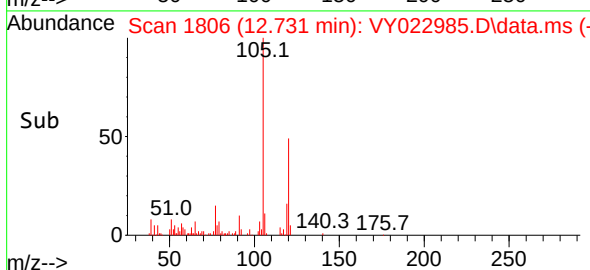
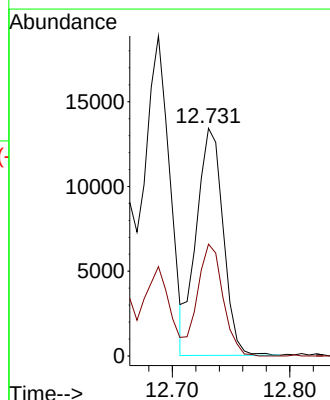
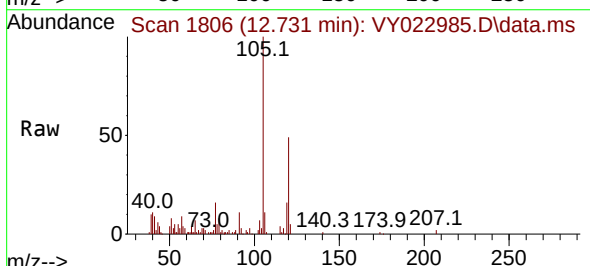
Acq: 08 Jul 2025 18:57

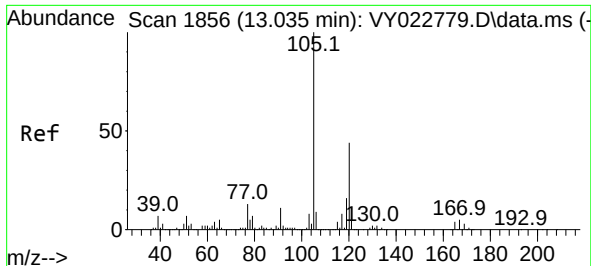
Tgt Ion: 105 Resp: 21191

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.4

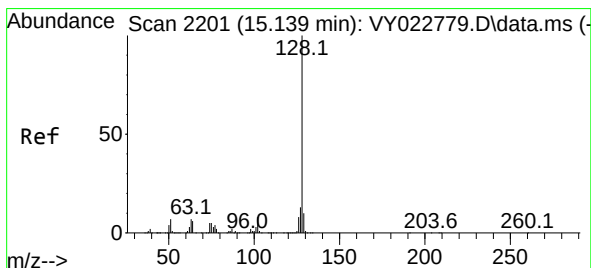
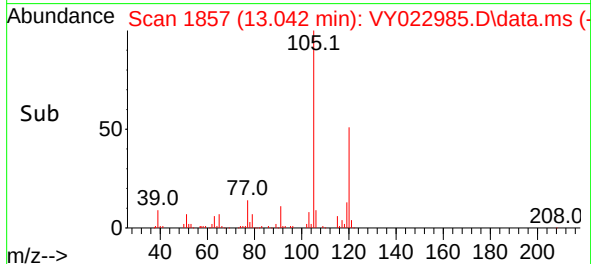
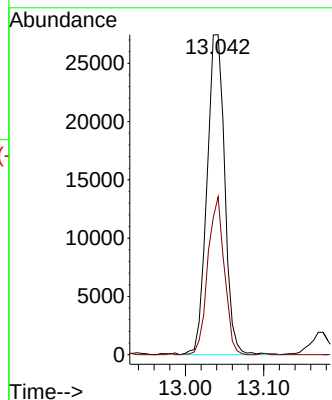
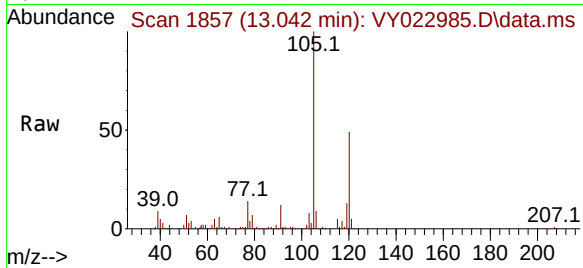




#84
1,2,4-Trimethylbenzene
Concen: 14.347 ug/l
RT: 13.042 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Instrument :
MSVOA_Y
ClientSampleId :
GPX4

Tgt Ion:105 Resp: 43081
Ion Ratio Lower Upper
105 100
120 46.0 22.7 68.1



#95
Naphthalene
Concen: 58.639 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022985.D
Acq: 08 Jul 2025 18:57

Tgt Ion:128 Resp: 89236
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 11.9 8.9 13.3

