

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022789.D
 Acq On : 24 Jun 2025 11:58
 Operator : SY/MD
 Sample : Q2386-01
 Misc : 5.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-1-062025

Quant Time: Jun 25 01:23:05 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	7.701	168	287860	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	515095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	435732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	166970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	159402	49.615	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.220%
35) Dibromofluoromethane	7.628	113	164157	52.403	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.800%
50) Toluene-d8	10.103	98	620472	49.916	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.840%
62) 4-Bromofluorobenzene	12.402	95	174748	43.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.460%

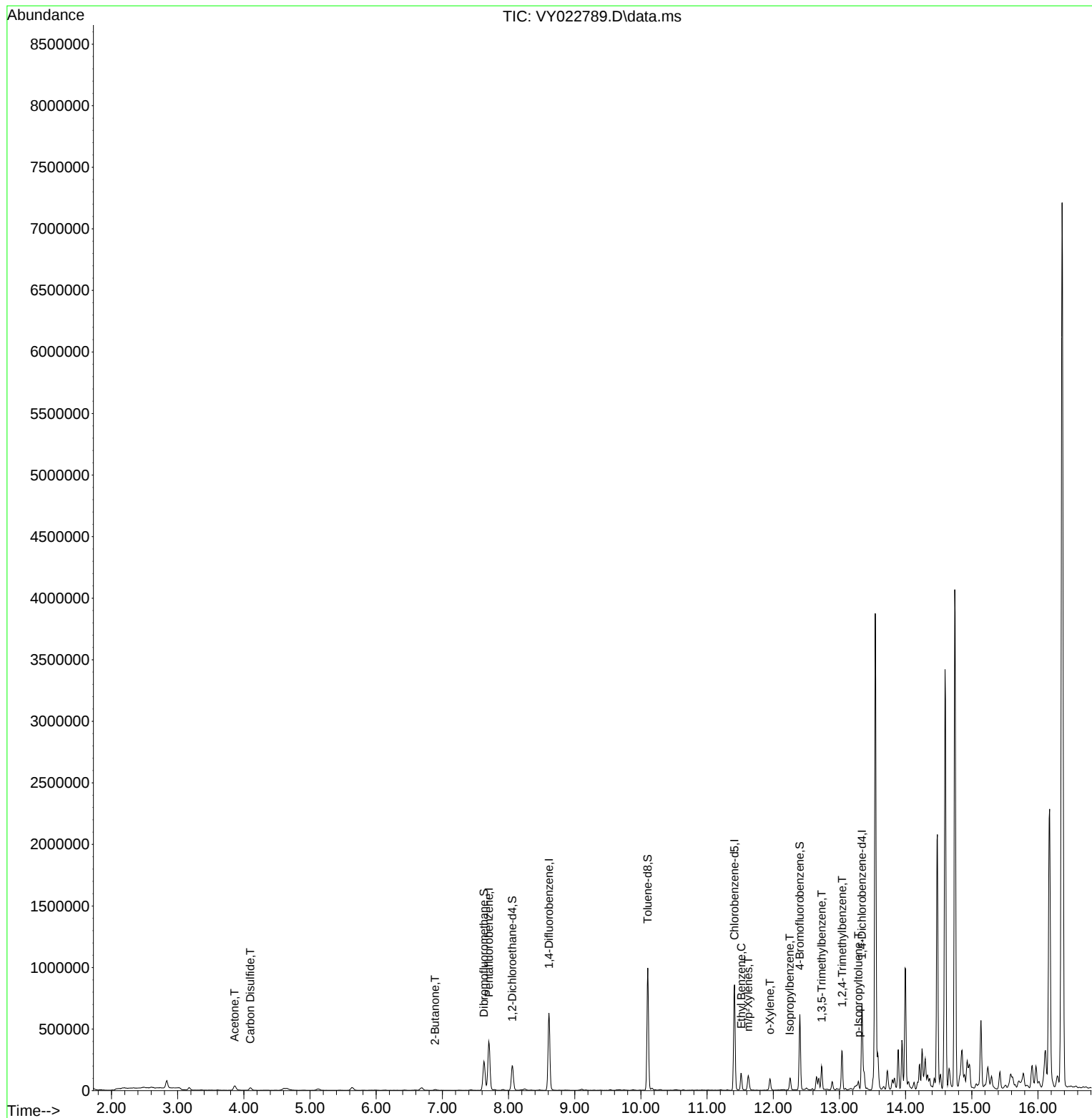
Target Compounds						Qvalue
16) Acetone	3.861	43	62219	102.461	ug/l	97
17) Carbon Disulfide	4.098	76	37508	3.985	ug/l	98
25) 2-Butanone	6.890	43	11221	12.696	ug/l #	88
67) Ethyl Benzene	11.518	91	90586	5.385	ug/l	99
68) m/p-Xylenes	11.621	106	36412	5.599	ug/l	97
69) o-Xylene	11.951	106	23433	3.824	ug/l	98
73) Isopropylbenzene	12.249	105	15439	1.250	ug/l	95
80) 1,3,5-Trimethylbenzene	12.731	105	90182	9.047	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	167356	16.769	ug/l	100
86) p-Isopropyltoluene	13.286	119	30847	2.802	ug/l #	76

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

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SU-1-062025

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Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

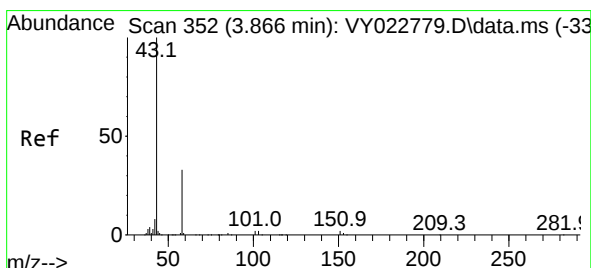
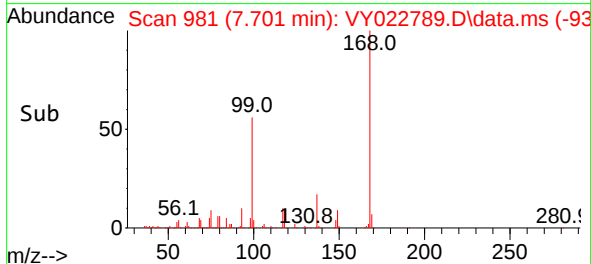
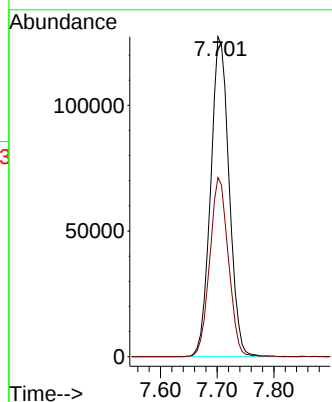
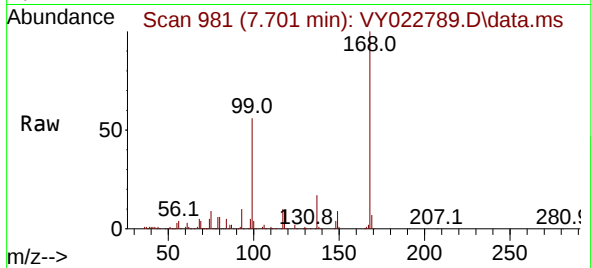




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

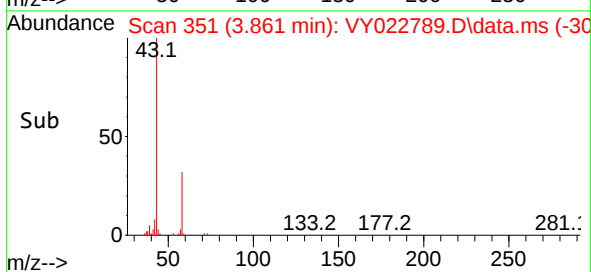
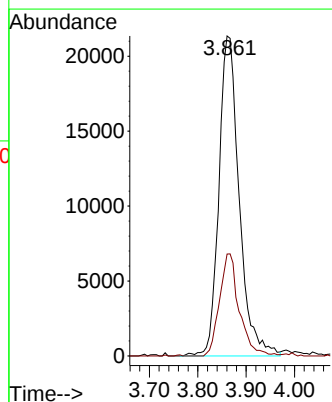
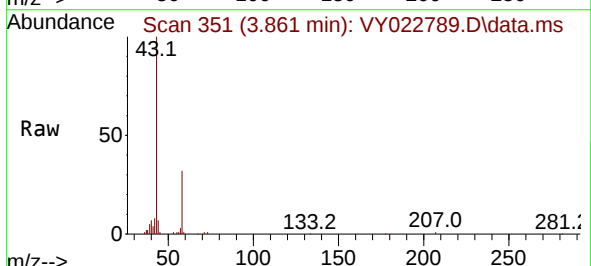
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

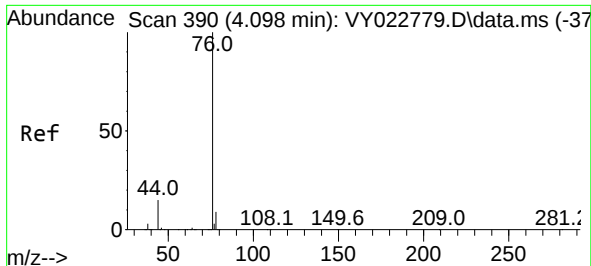
Tgt Ion:168 Resp: 287860
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 102.461 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

Tgt Ion: 43 Resp: 62219
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0

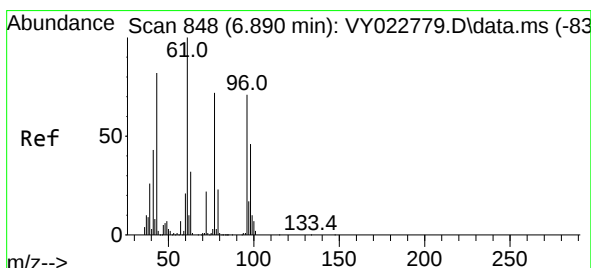
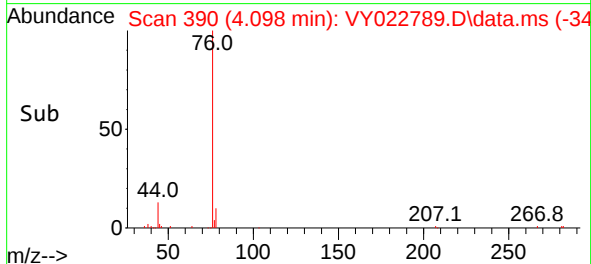
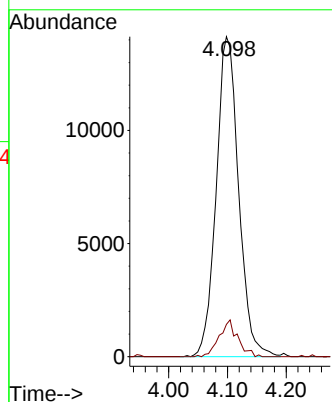
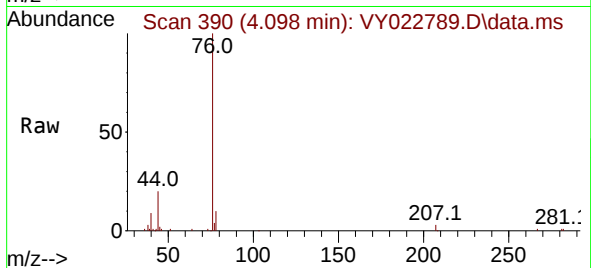




#17
Carbon Disulfide
Concen: 3.985 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

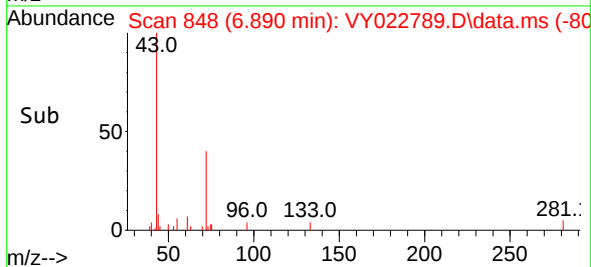
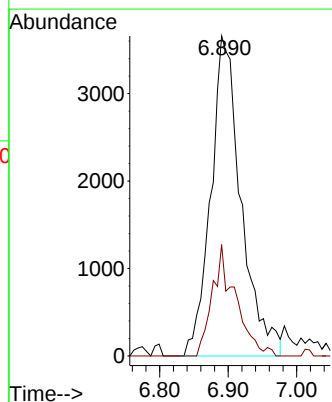
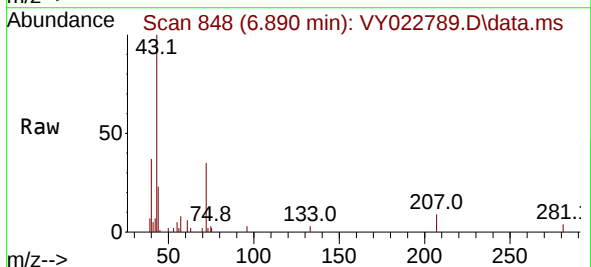
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MSVOA_Y
ClientSampleId :
SU-1-062025

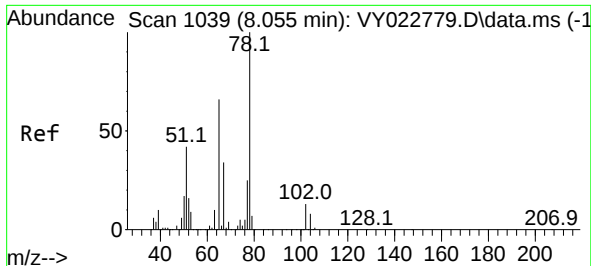
Tgt Ion: 76 Resp: 37508
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2



#25
2-Butanone
Concen: 12.696 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

Tgt Ion: 43 Resp: 11221
Ion Ratio Lower Upper
43 100
72 34.8 22.9 34.3#

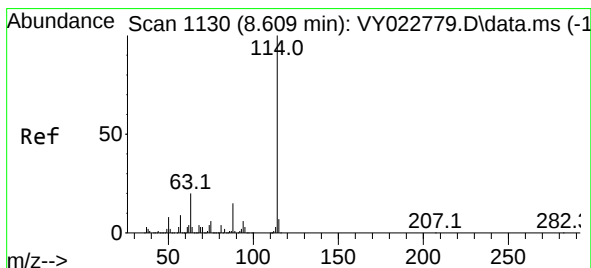
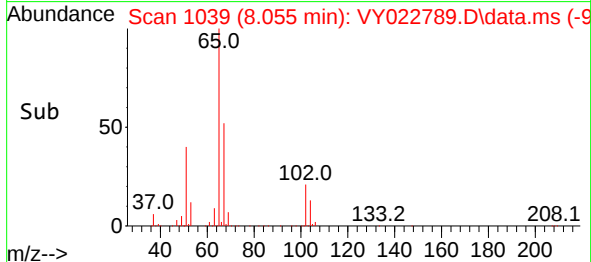
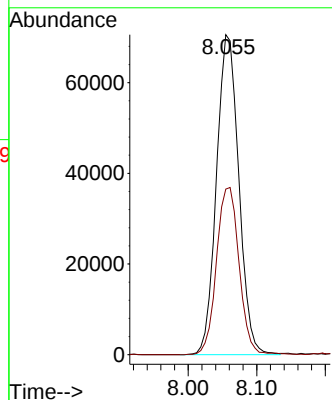
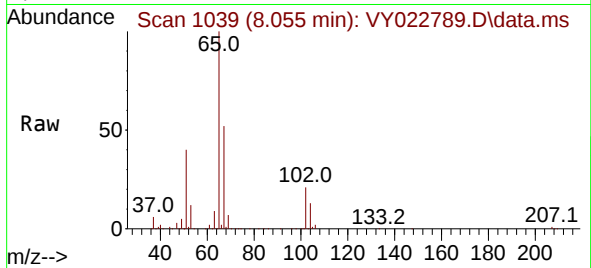




#33
 1,2-Dichloroethane-d4
 Concen: 49.615 ug/l
 RT: 8.055 min Scan# 1039
 Delta R.T. -0.012 min
 Lab File: VY022789.D
 Acq: 24 Jun 2025 11:58

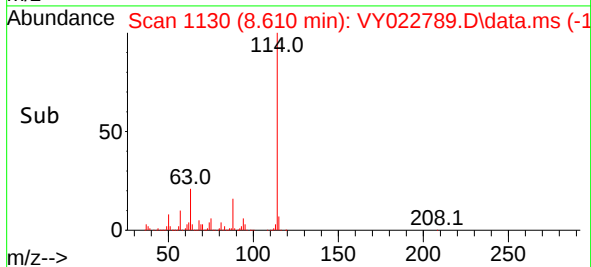
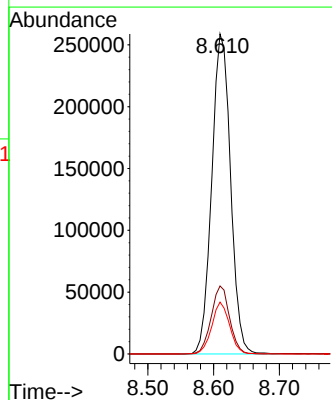
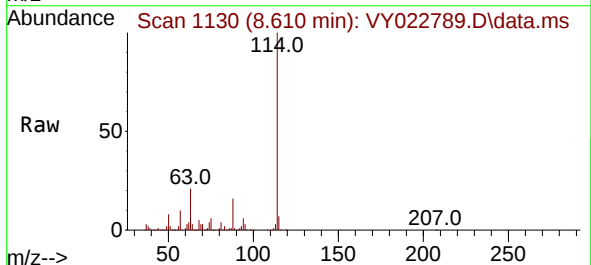
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-1-062025

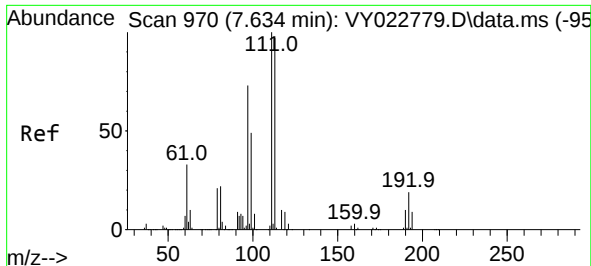
Tgt Ion: 65 Resp: 159402
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022789.D
 Acq: 24 Jun 2025 11:58

Tgt Ion: 114 Resp: 515095
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 16.2 0.0 27.8

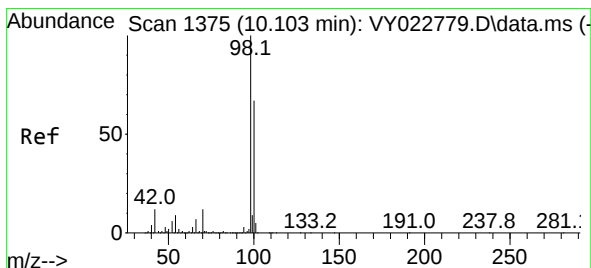
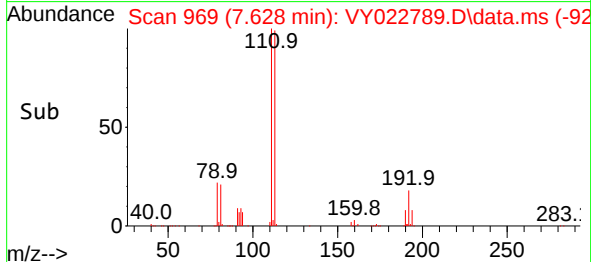
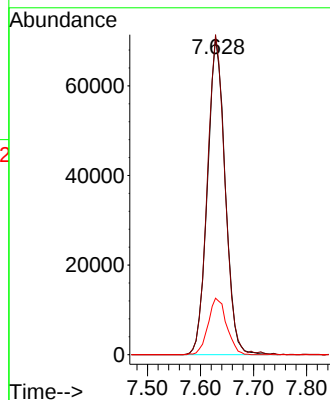
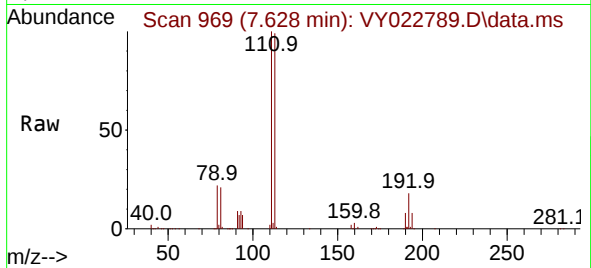




#35
Dibromofluoromethane
Concen: 52.403 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

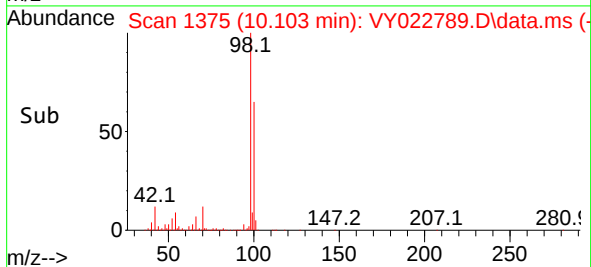
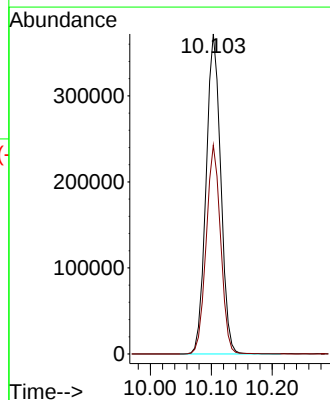
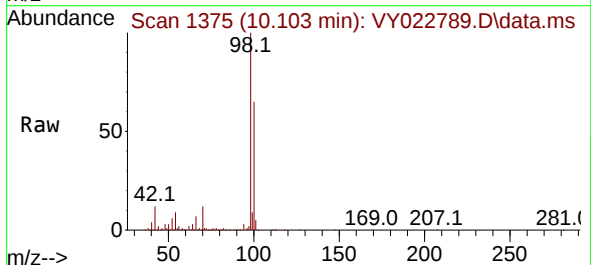
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

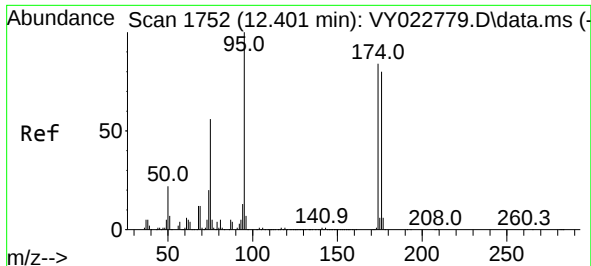
Tgt Ion:113 Resp: 164157
Ion Ratio Lower Upper
113 100
111 100.6 81.1 121.7
192 18.6 14.2 21.2



#50
Toluene-d8
Concen: 49.916 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

Tgt Ion: 98 Resp: 620472
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

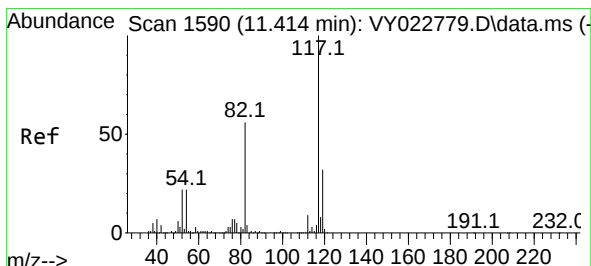
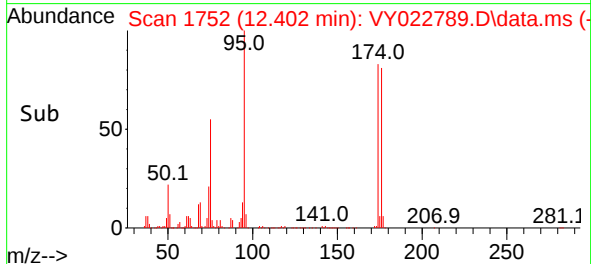
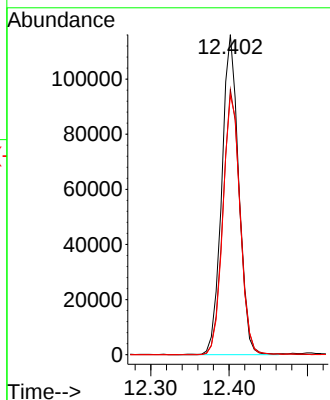
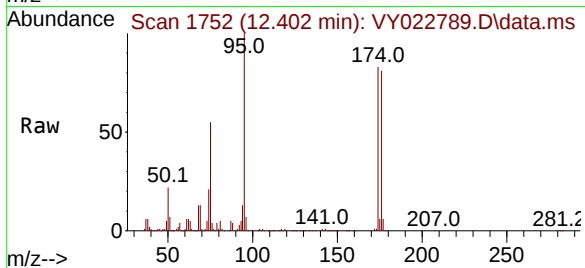




#62
4-Bromofluorobenzene
Concen: 43.731 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

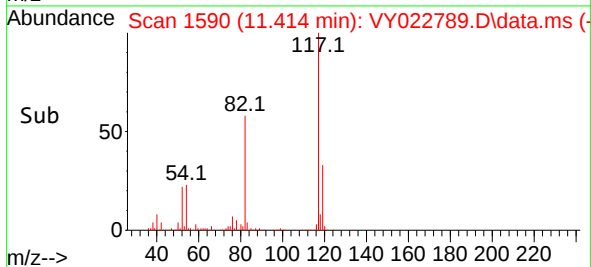
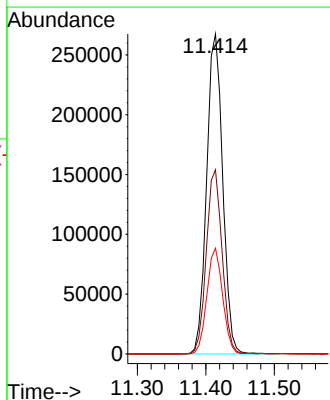
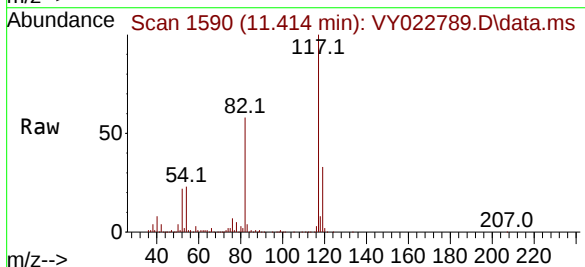
Instrument :
MSVOA_Y
ClientSampleId :
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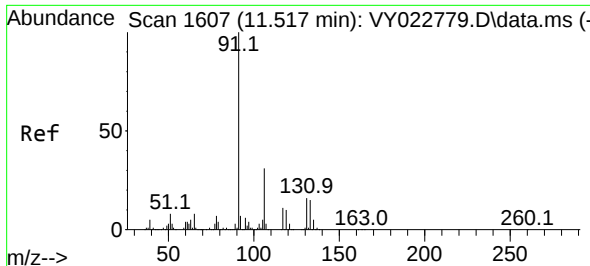
Tgt Ion: 95 Resp: 174748
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 82.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

Tgt Ion: 117 Resp: 435732
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 33.0 25.4 38.0





#67

Ethyl Benzene

Concen: 5.385 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022789.D

Acq: 24 Jun 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

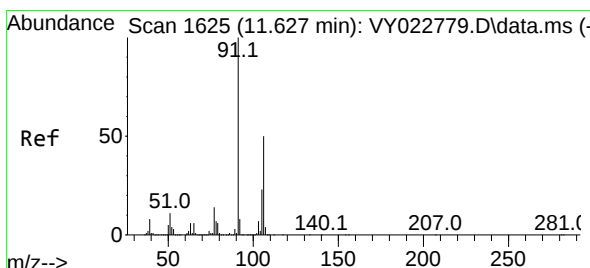
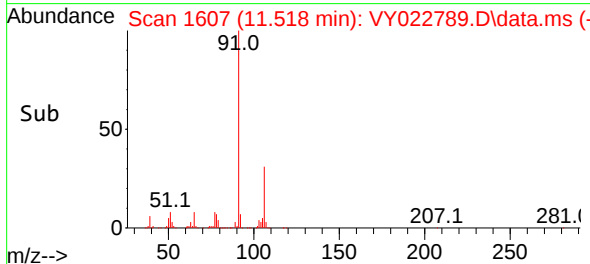
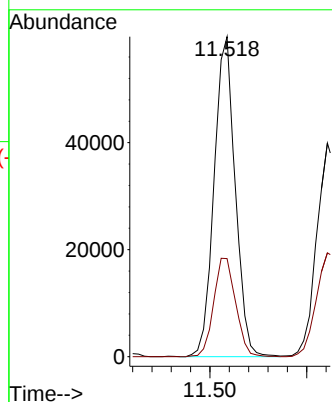
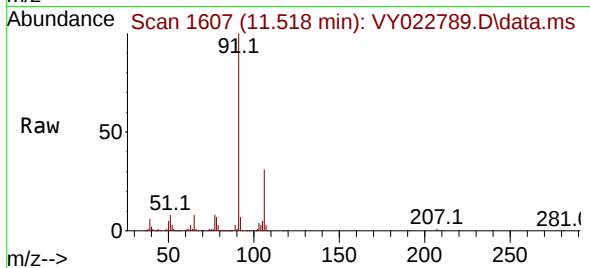
SU-1-062025

Tgt Ion: 91 Resp: 90586

Ion Ratio Lower Upper

91 100

106 30.7 24.2 36.4



#68

m/p-Xylenes

Concen: 5.599 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY022789.D

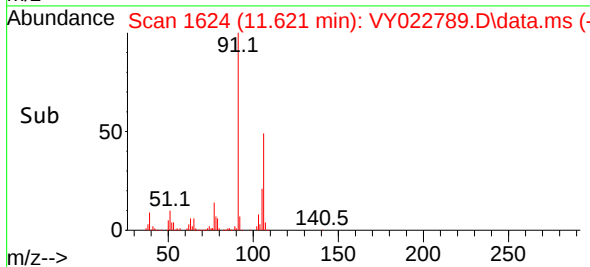
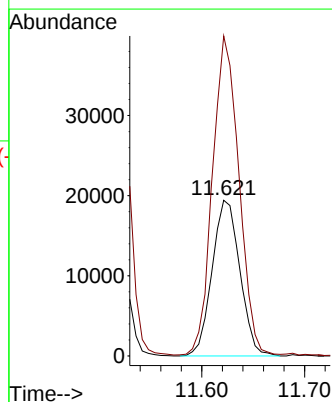
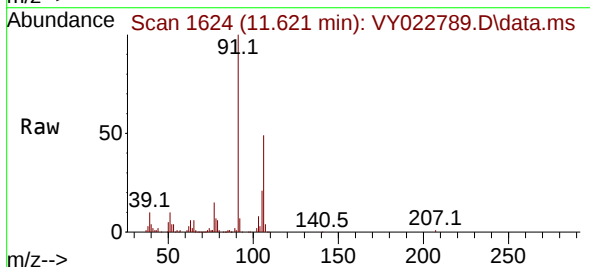
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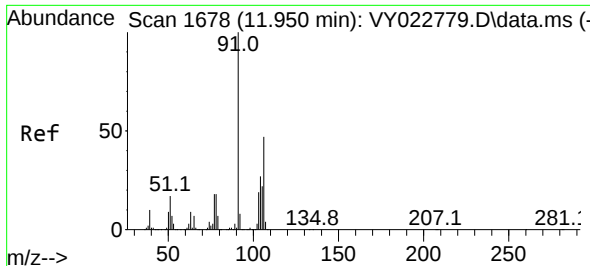
Tgt Ion: 106 Resp: 36412

Ion Ratio Lower Upper

106 100

91 195.1 159.4 239.0

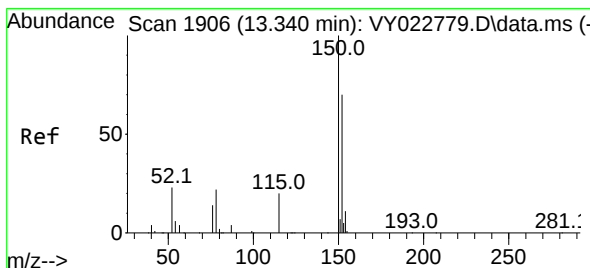
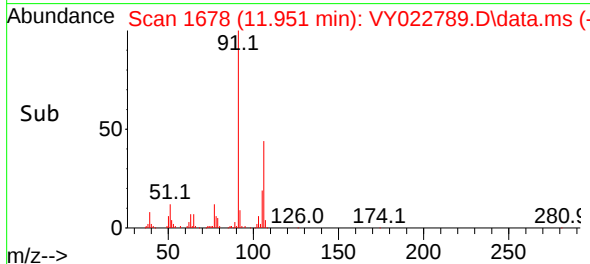
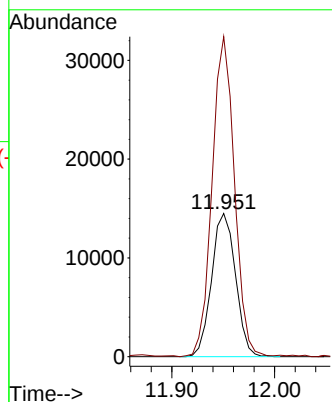
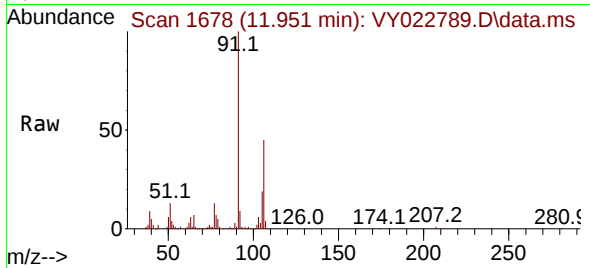




#69
o-Xylene
Concen: 3.824 ug/l
RT: 11.951 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

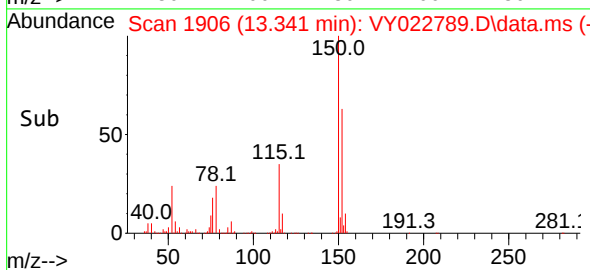
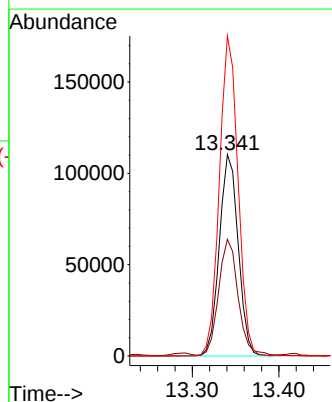
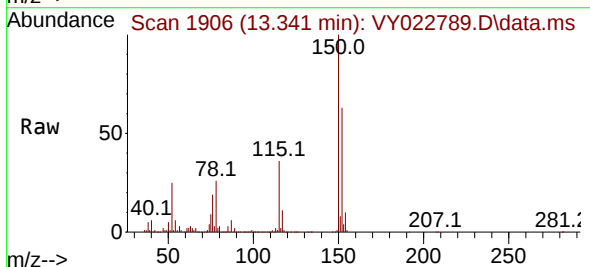
Instrument :
MSVOA_Y
ClientSampleId :
SU-1-062025

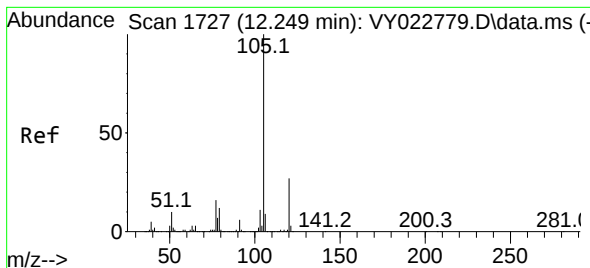
Tgt Ion:106 Resp: 23433
Ion Ratio Lower Upper
106 100
91 208.6 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022789.D
Acq: 24 Jun 2025 11:58

Tgt Ion:152 Resp: 166970
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 156.8 0.0 349.6





#73

Isopropylbenzene

Concen: 1.250 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY022789.D

Acq: 24 Jun 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

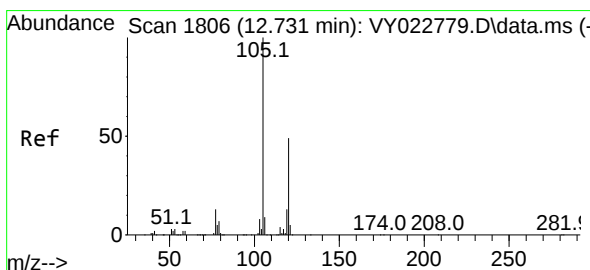
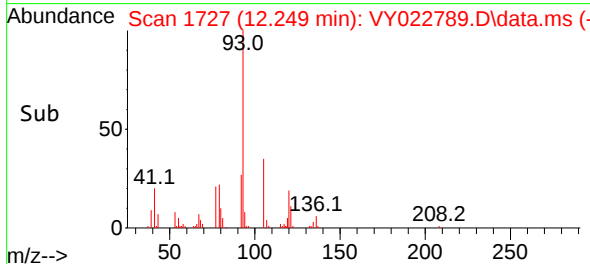
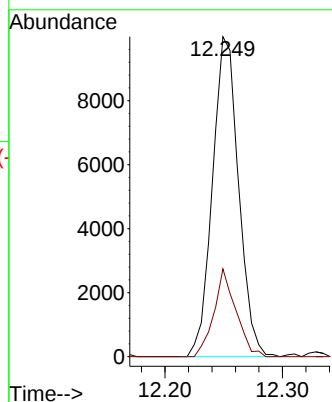
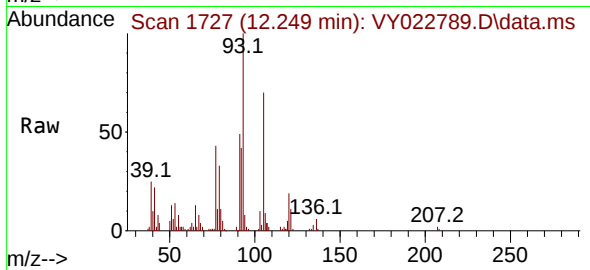
SU-1-062025

Tgt Ion:105 Resp: 15439

Ion Ratio Lower Upper

105 100

120 23.2 13.0 38.9



#80

1,3,5-Trimethylbenzene

Concen: 9.047 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY022789.D

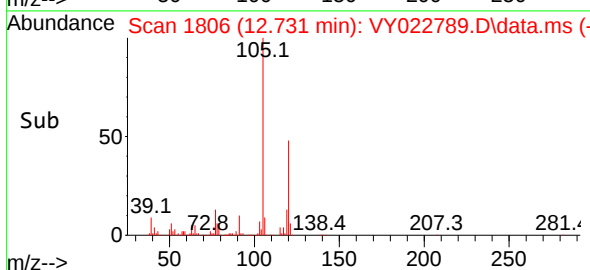
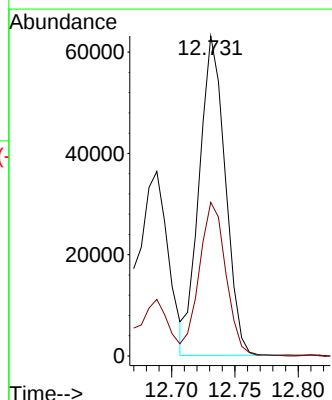
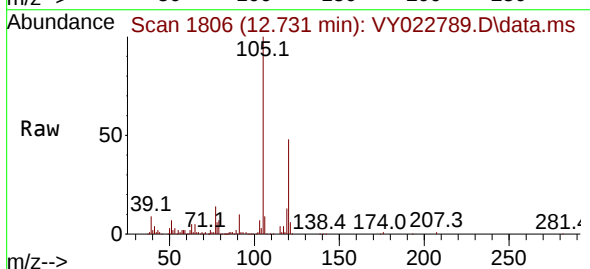
Acq: 24 Jun 2025 11:58

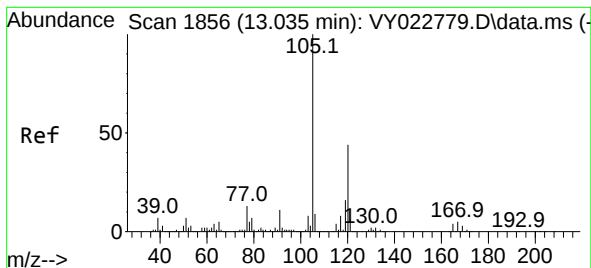
Tgt Ion:105 Resp: 90182

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 16.769 ug/l

RT: 13.042 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VY022789.D

Acq: 24 Jun 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

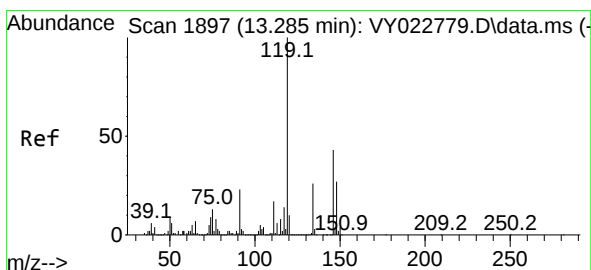
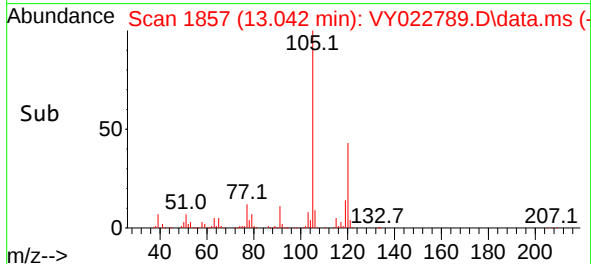
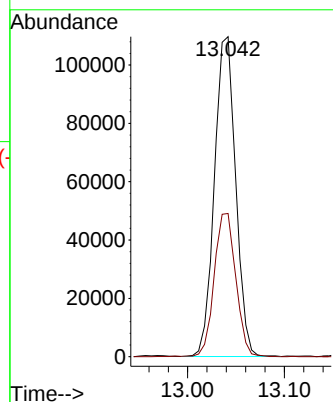
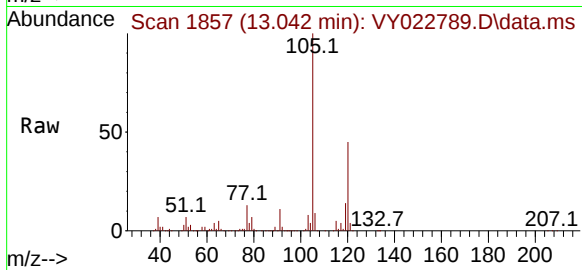
SU-1-062025

Tgt Ion:105 Resp: 167356

Ion Ratio Lower Upper

105 100

120 45.5 22.7 68.1



#86

p-Isopropyltoluene

Concen: 2.802 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022789.D

Acq: 24 Jun 2025 11:58

Tgt Ion:119 Resp: 30847

Ion Ratio Lower Upper

119 100

134 24.4 13.1 39.1

91 0.0 11.6 34.8#

