

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021861.D
 Acq On : 11 Apr 2025 15:54
 Operator : SY/MD
 Sample : Q1783-01
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-41125

Quant Time: Apr 12 02:50:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

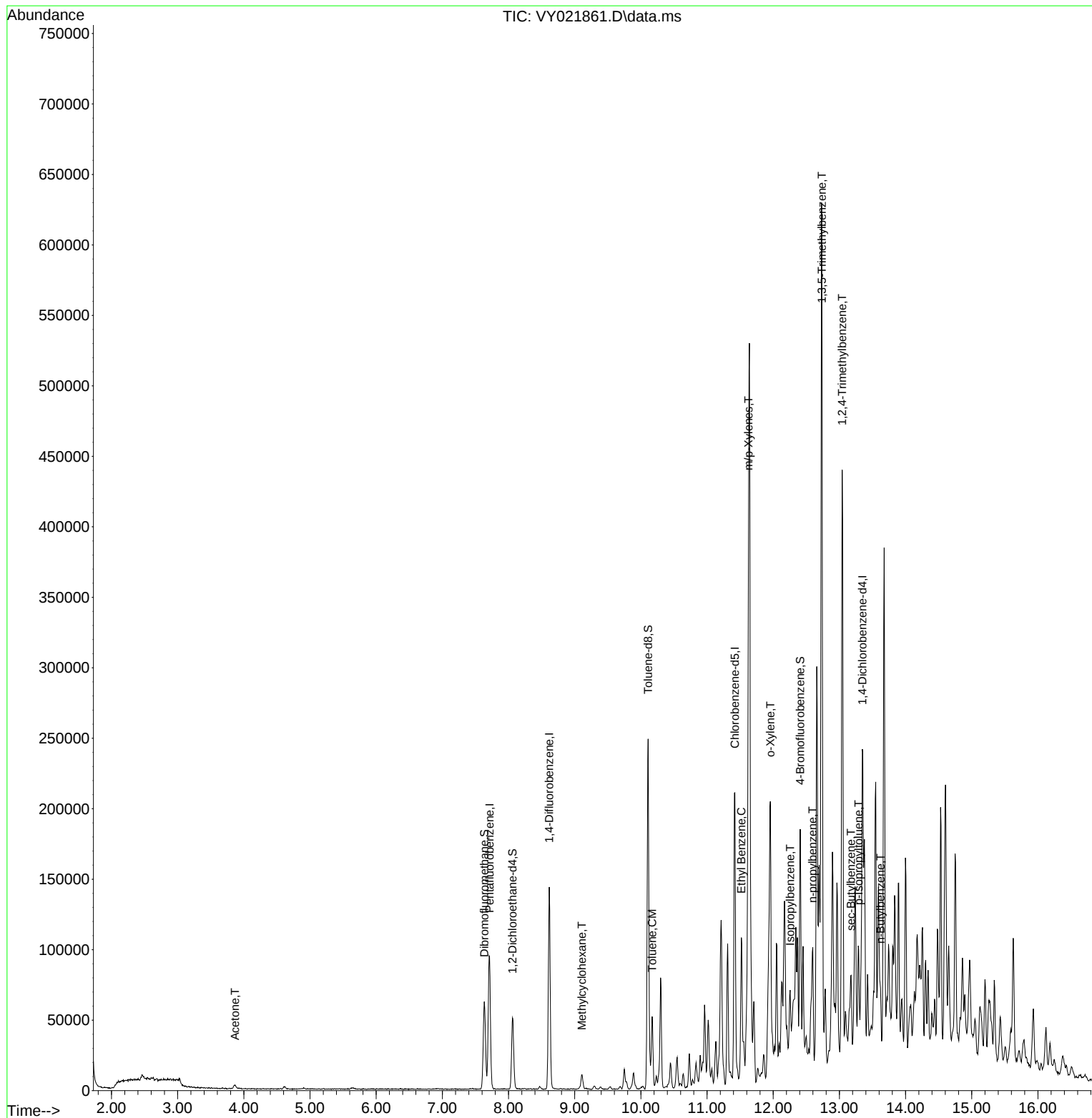
Internal Standards						
1) Pentafluorobenzene	7.713	168	71651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	113379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	110503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	44200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41079	52.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.840%			
35) Dibromofluoromethane	7.634	113	42920	58.357	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.720%			
50) Toluene-d8	10.109	98	144897	51.787	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.408	95	48910	51.680	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.360%			
Target Compounds						Qvalue
16) Acetone	3.867	43	4266	26.850	ug/l	98
39) Methylcyclohexane	9.110	83	3351	2.504	ug/l	93
52) Toluene	10.170	92	18667	8.918	ug/l	98
67) Ethyl Benzene	11.518	91	62277	14.337	ug/l	97
68) m/p-Xylenes	11.627	106	75481	45.380	ug/l	99
69) o-Xylene	11.957	106	41574	27.077	ug/l	100
73) Isopropylbenzene	12.255	105	24397	7.432	ug/l	95
78) n-propylbenzene	12.597	91	59006	14.950	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	60402	22.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	206207	77.760	ug/l	100
85) sec-Butylbenzene	13.176	105	25867	7.406	ug/l	90
86) p-Isopropyltoluene	13.292	119	12094	4.190	ug/l	96
89) n-Butylbenzene	13.621	91	18892	7.077	ug/l #	79

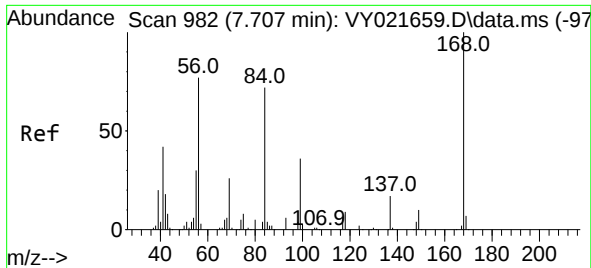
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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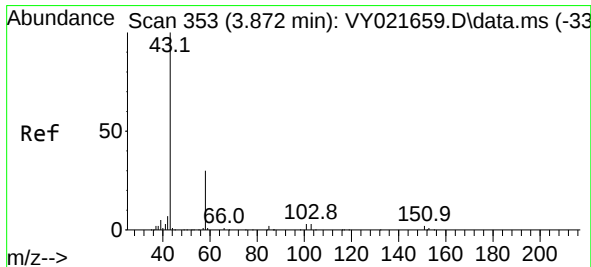
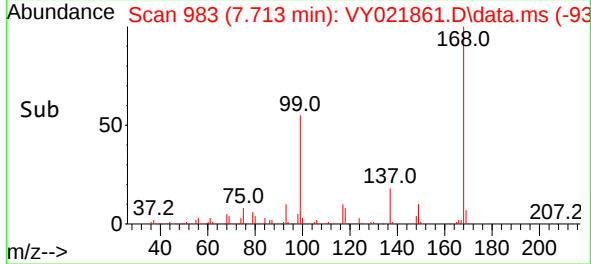
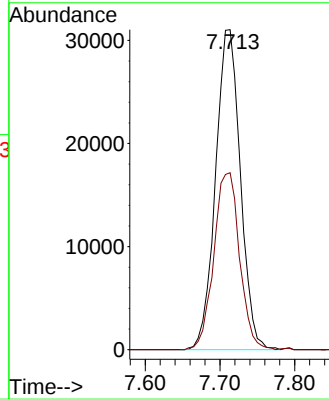
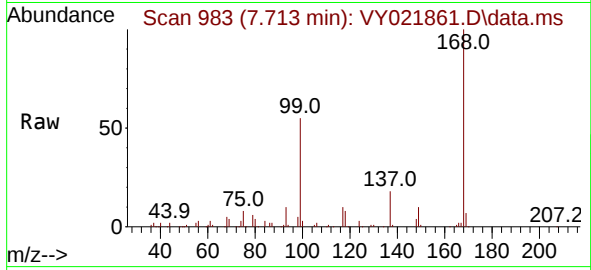




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

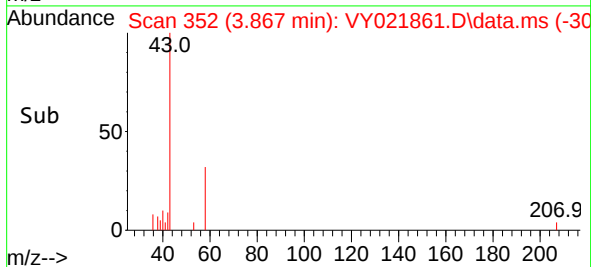
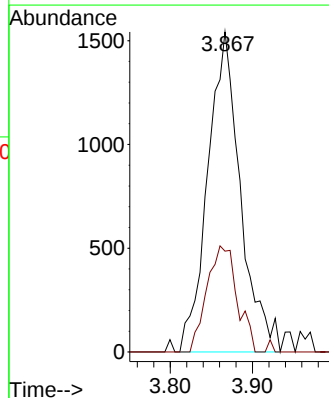
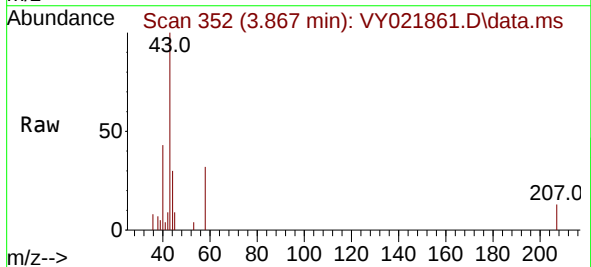
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

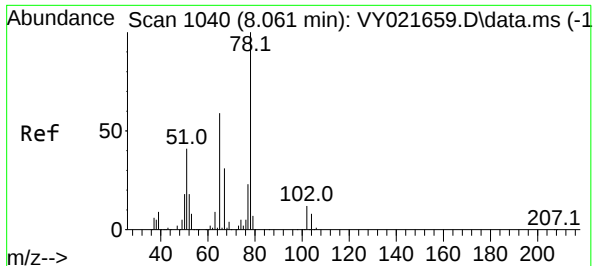
Tgt Ion:168 Resp: 71651
Ion Ratio Lower Upper
168 100
99 55.3 46.7 70.1



#16
Acetone
Concen: 26.850 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion: 43 Resp: 4266
Ion Ratio Lower Upper
43 100
58 31.5 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 52.915 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

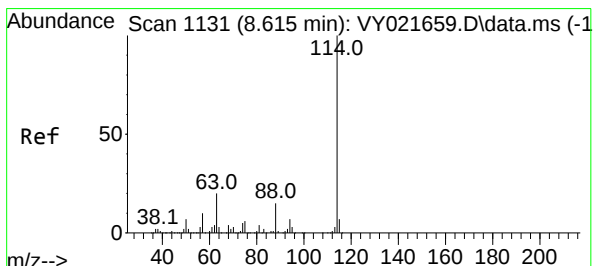
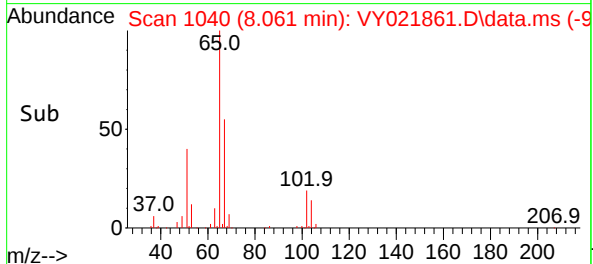
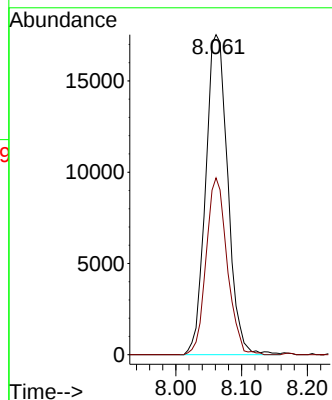
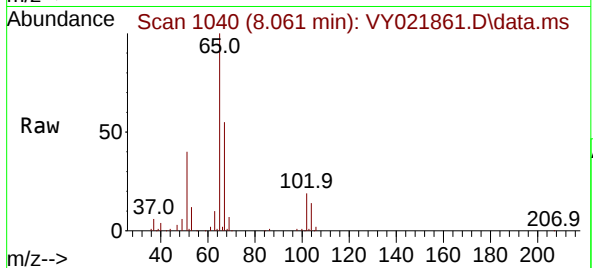
SU-03-41125

Tgt Ion: 65 Resp: 41079

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

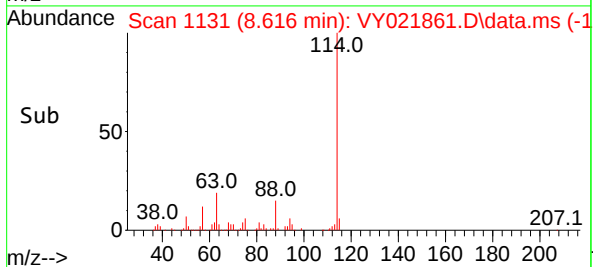
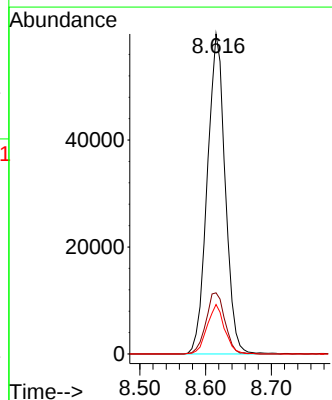
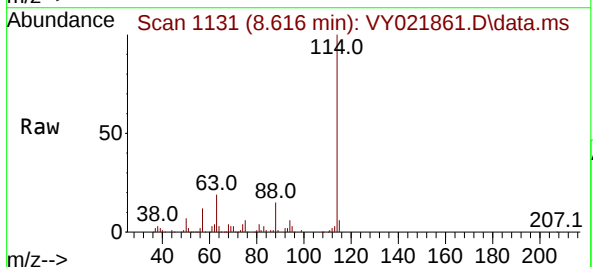
Tgt Ion: 114 Resp: 113379

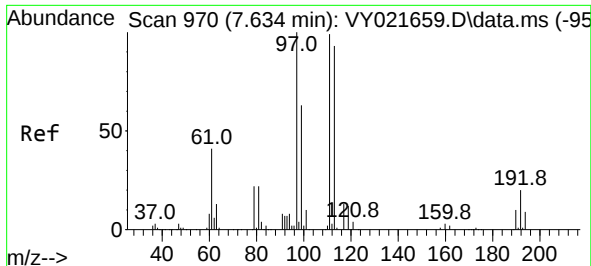
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.2

88 15.4 0.0 29.8

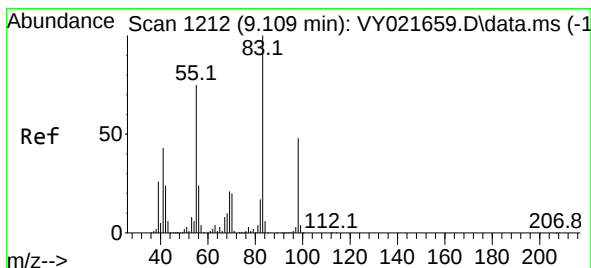
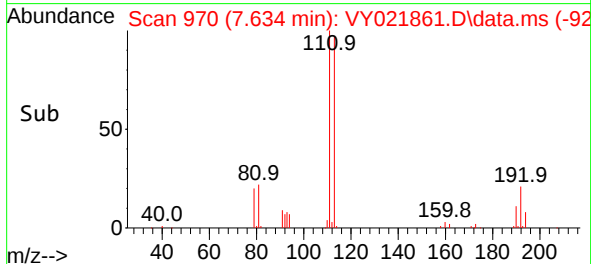
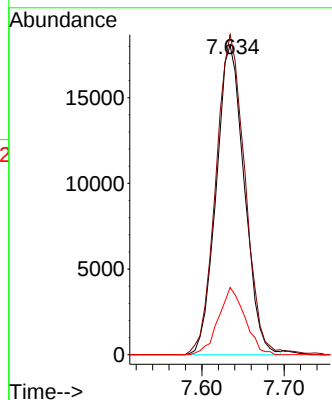
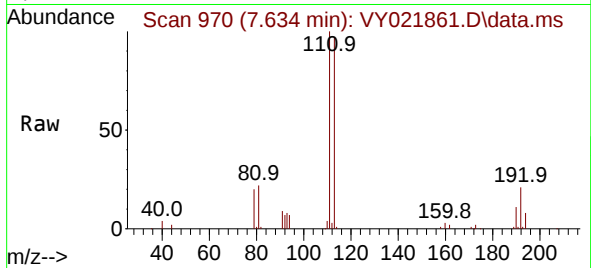




#35
Dibromofluoromethane
Concen: 58.357 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

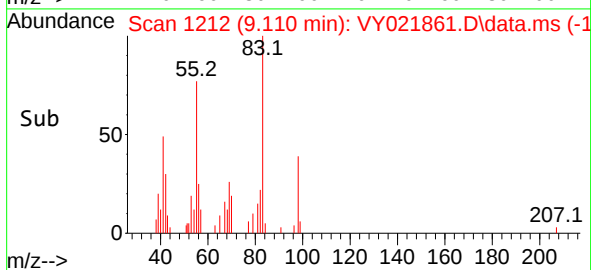
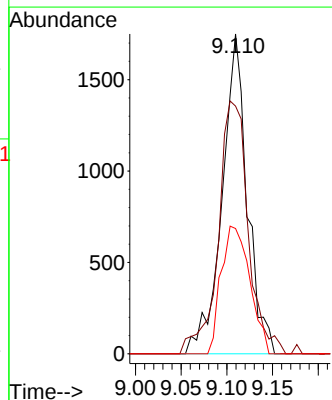
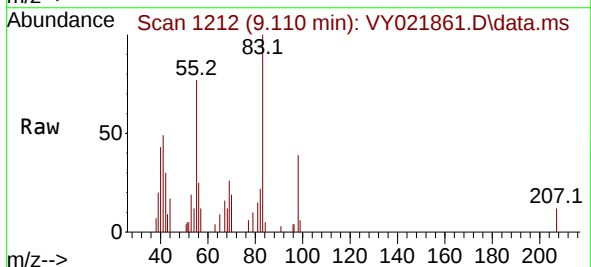
Instrument :
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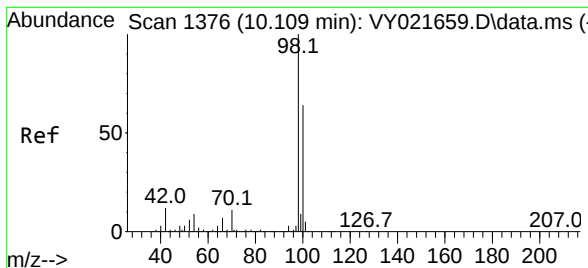
Tgt Ion:113 Resp: 42920
Ion Ratio Lower Upper
113 100
111 107.4 82.6 123.8
192 20.5 16.2 24.4



#39
Methylcyclohexane
Concen: 2.504 ug/l
RT: 9.110 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion: 83 Resp: 3351
Ion Ratio Lower Upper
83 100
55 77.4 59.7 89.5
98 39.2 38.3 57.5

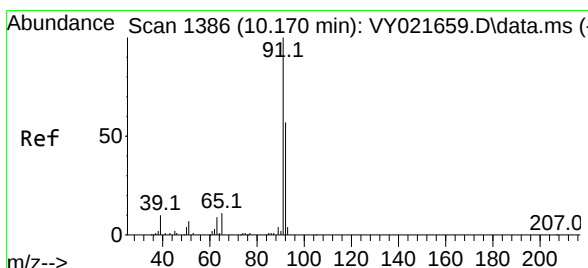
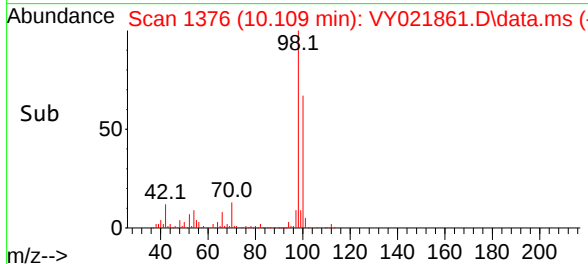
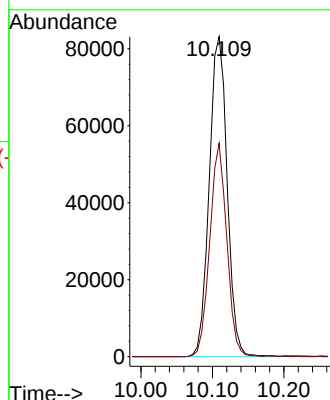
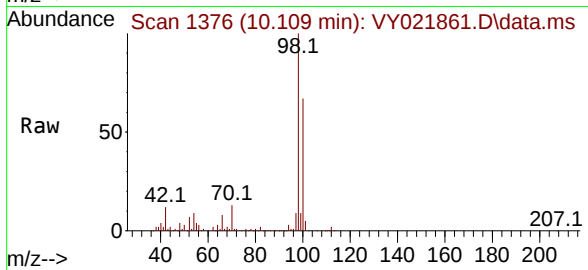




#50
Toluene-d8
Concen: 51.787 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

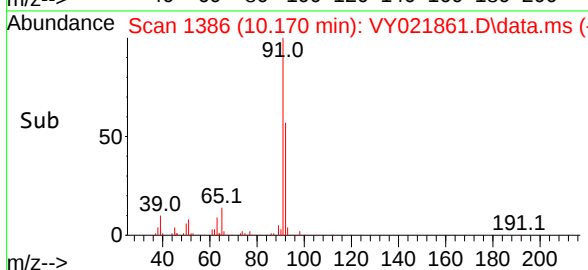
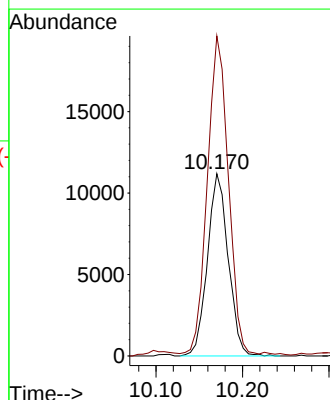
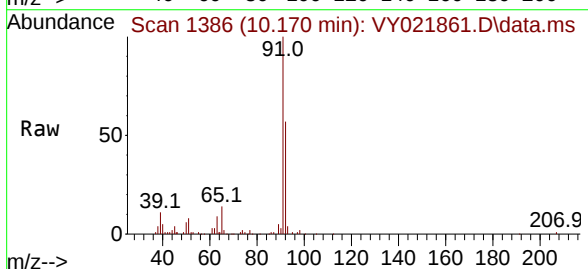
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

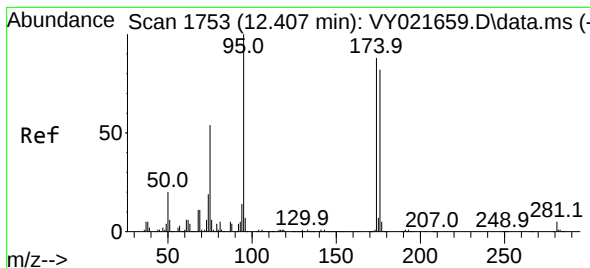
Tgt Ion: 98 Resp: 144897
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1



#52
Toluene
Concen: 8.918 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion: 92 Resp: 18667
Ion Ratio Lower Upper
92 100
91 176.3 138.6 207.8





#62

4-Bromofluorobenzene

Concen: 51.680 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-41125

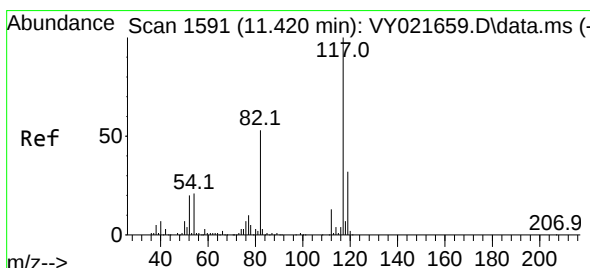
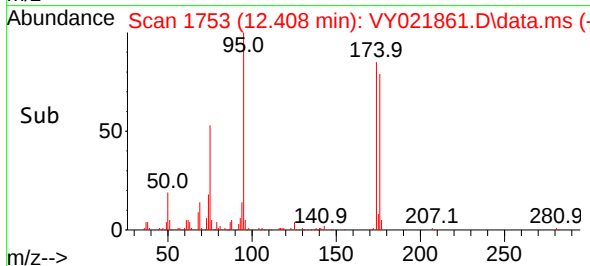
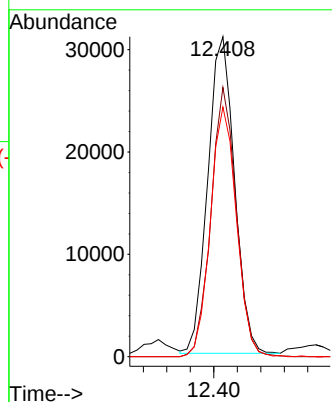
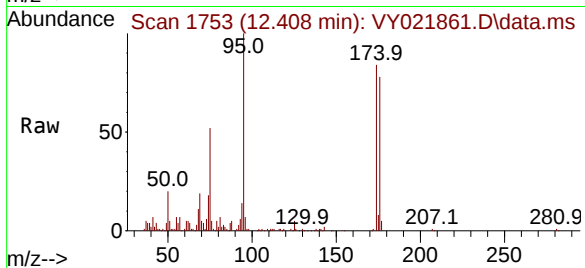
Tgt Ion: 95 Resp: 48910

Ion Ratio Lower Upper

95 100

174 80.2 0.0 170.8

176 77.0 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

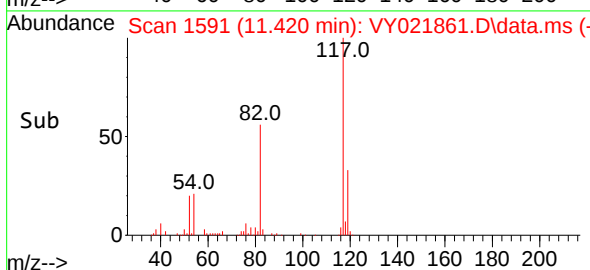
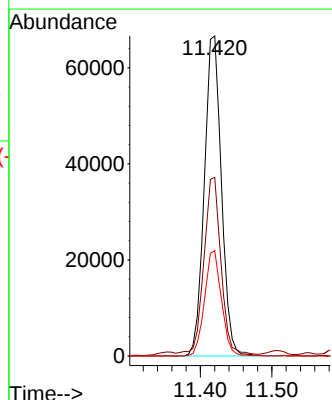
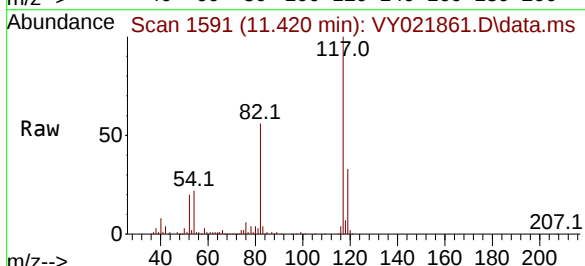
Tgt Ion: 117 Resp: 110503

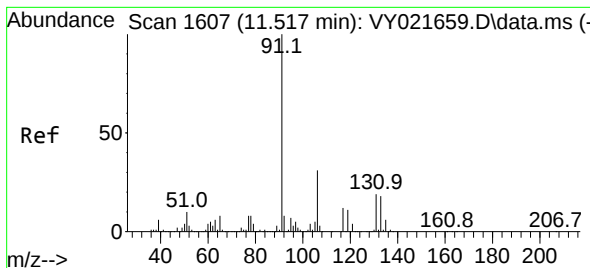
Ion Ratio Lower Upper

117 100

82 54.7 42.8 64.2

119 32.9 25.7 38.5





#67

Ethyl Benzene

Concen: 14.337 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

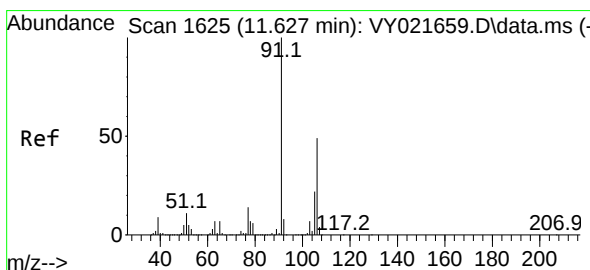
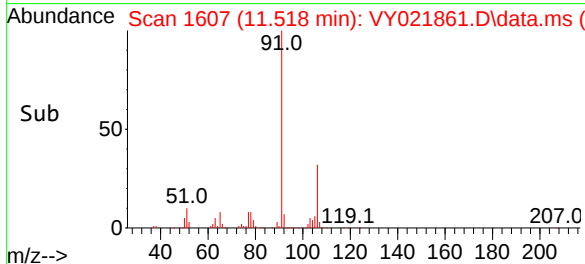
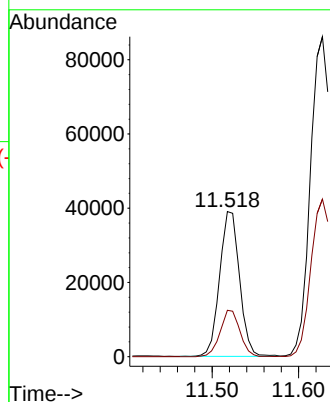
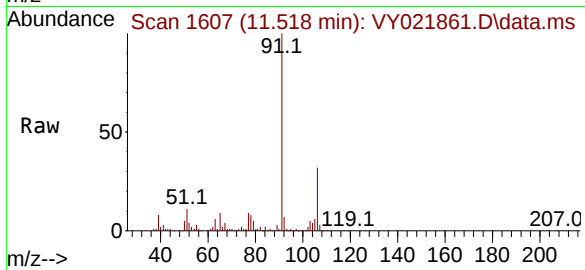
SU-03-41125

Tgt Ion: 91 Resp: 62277

Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8



#68

m/p-Xylenes

Concen: 45.380 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021861.D

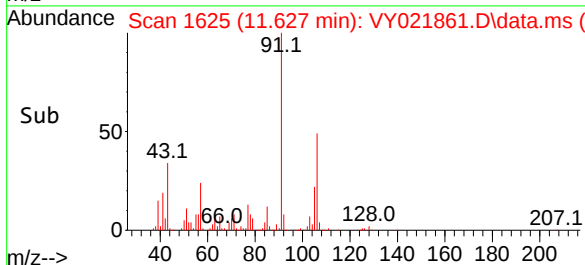
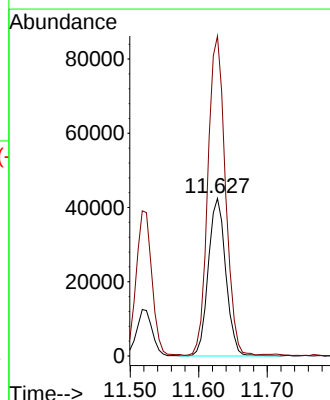
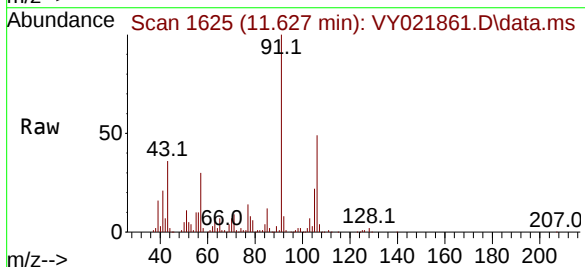
Acq: 11 Apr 2025 15:54

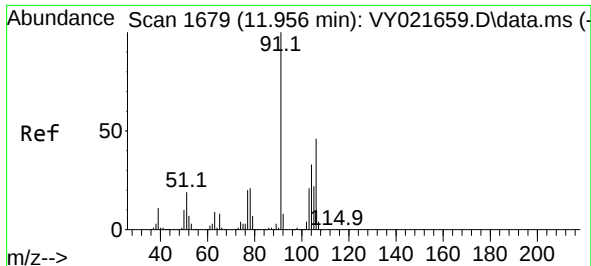
Tgt Ion: 106 Resp: 75481

Ion Ratio Lower Upper

106 100

91 202.0 162.4 243.6

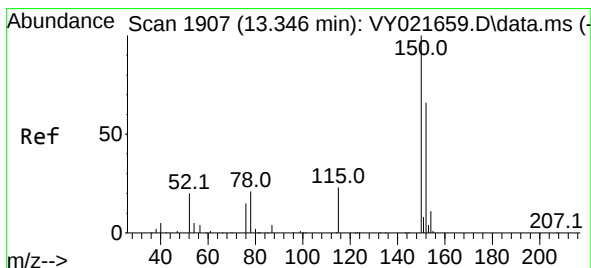
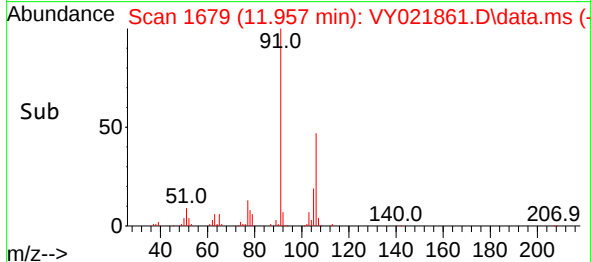
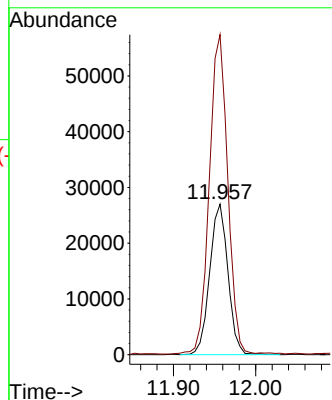
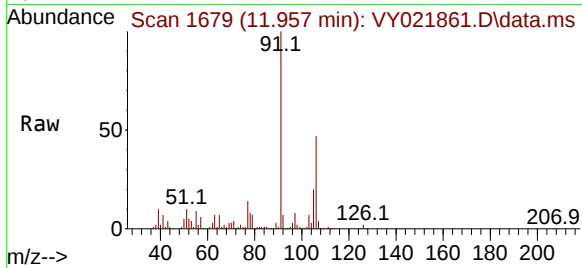




#69
o-Xylene
Concen: 27.077 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

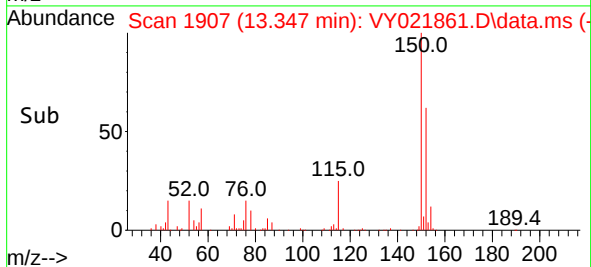
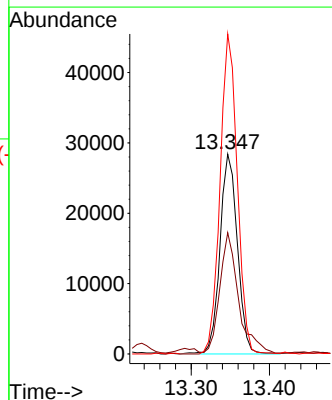
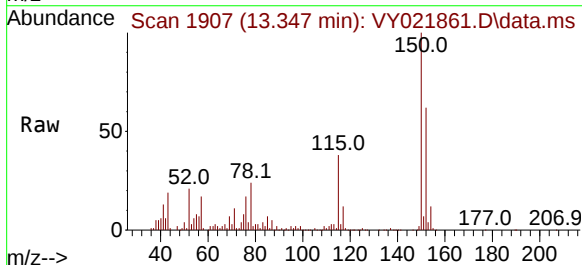
Instrument :
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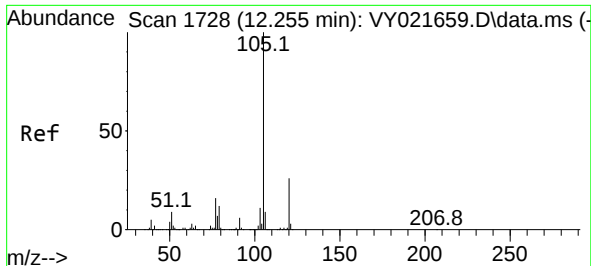
Tgt Ion:106 Resp: 41574
Ion Ratio Lower Upper
106 100
91 214.0 106.7 319.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion:152 Resp: 44200
Ion Ratio Lower Upper
152 100
115 64.1 28.8 86.5
150 157.2 0.0 348.4

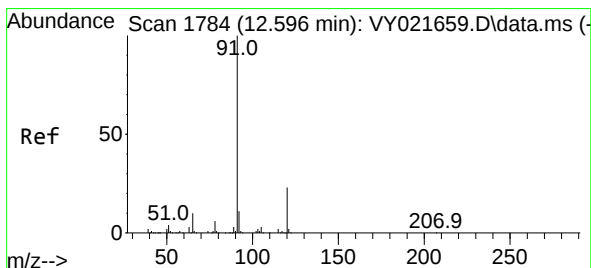
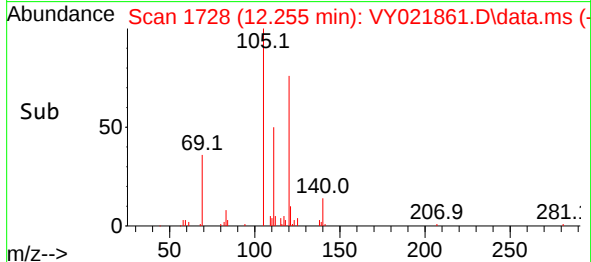
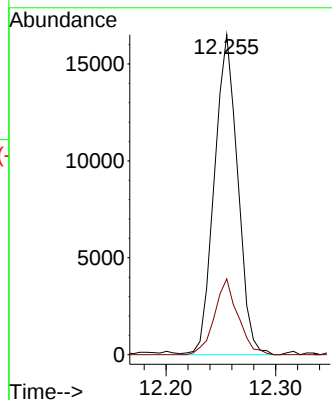
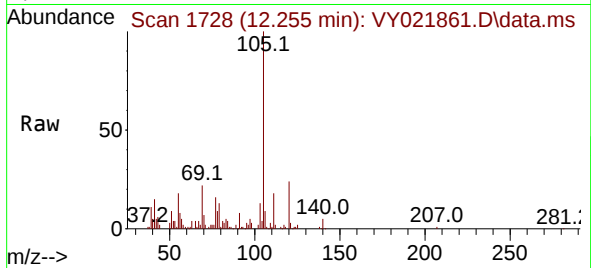




#73
Isopropylbenzene
Concen: 7.432 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

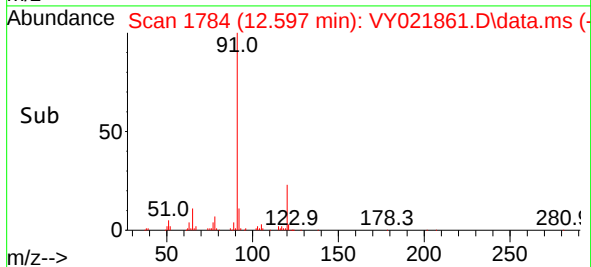
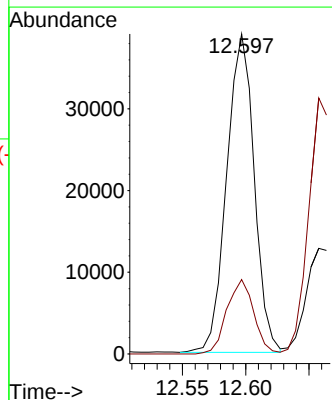
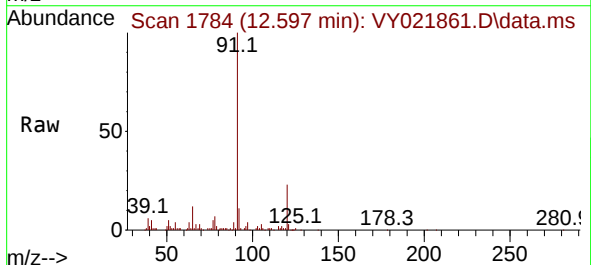
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

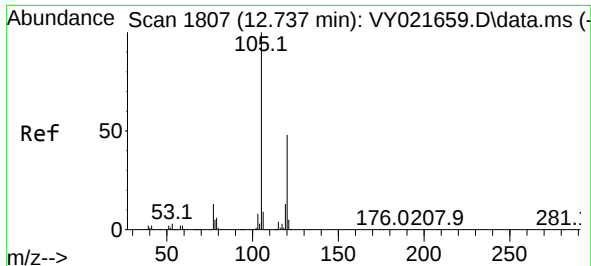
Tgt Ion:105 Resp: 24397
Ion Ratio Lower Upper
105 100
120 23.9 13.2 39.5



#78
n-propylbenzene
Concen: 14.950 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion: 91 Resp: 59006
Ion Ratio Lower Upper
91 100
120 22.9 11.3 33.9

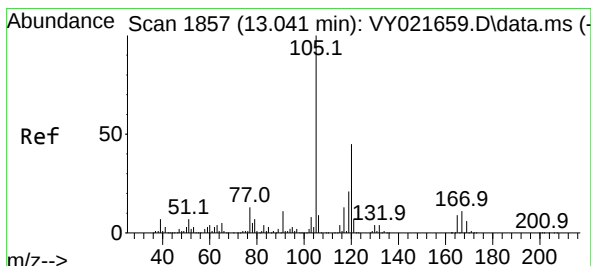
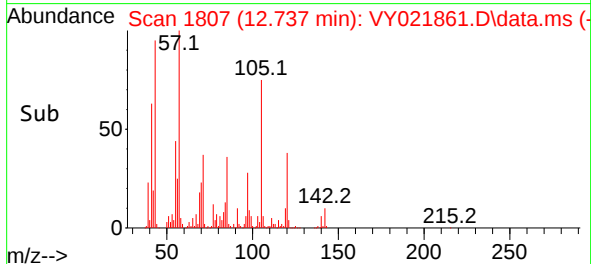
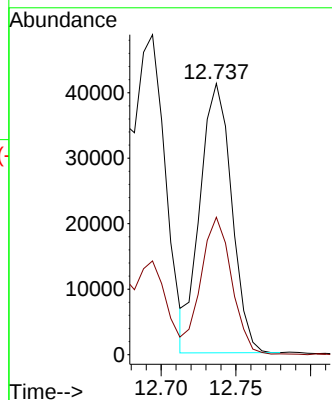
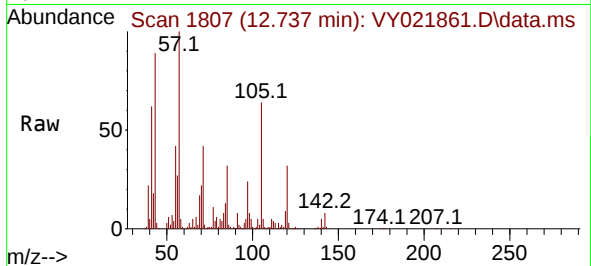




#80
1,3,5-Trimethylbenzene
Concen: 22.512 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

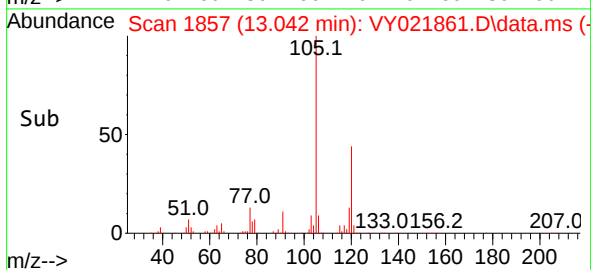
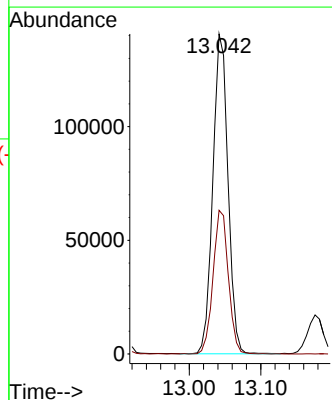
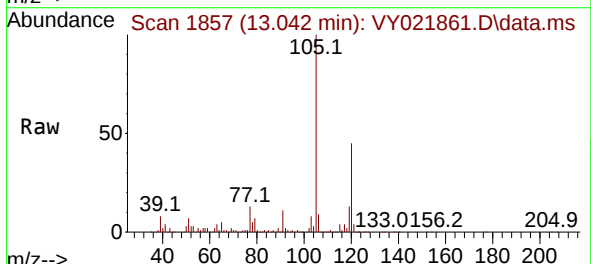
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-41125

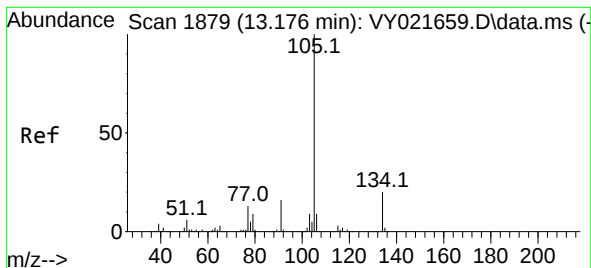
Tgt Ion:105 Resp: 60402
Ion Ratio Lower Upper
105 100
120 50.2 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 77.760 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021861.D
Acq: 11 Apr 2025 15:54

Tgt Ion:105 Resp: 206207
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 7.406 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

Instrument :

MSVOA_Y

ClientSampleId :

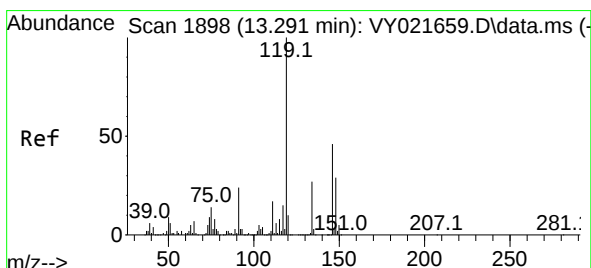
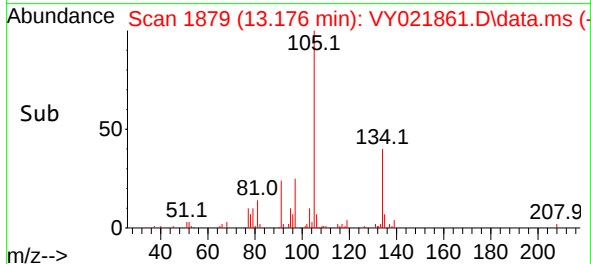
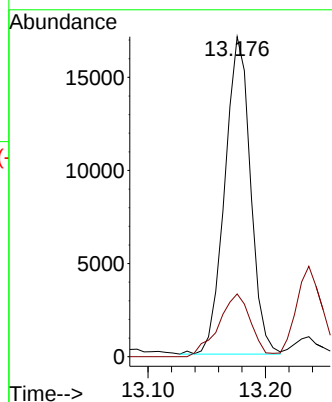
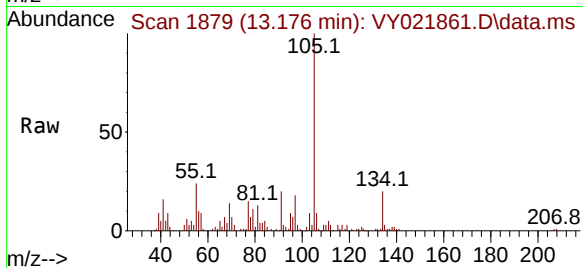
SU-03-41125

Tgt Ion:105 Resp: 25867

Ion Ratio Lower Upper

105 100

134 24.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 4.190 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021861.D

Acq: 11 Apr 2025 15:54

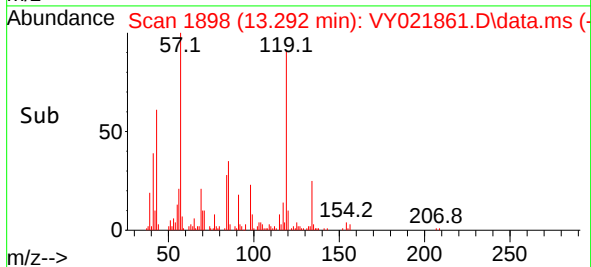
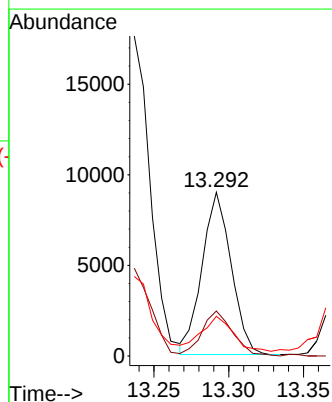
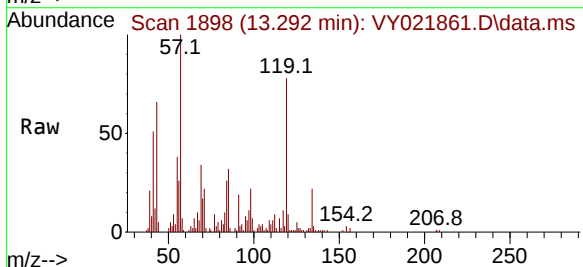
Tgt Ion:119 Resp: 12094

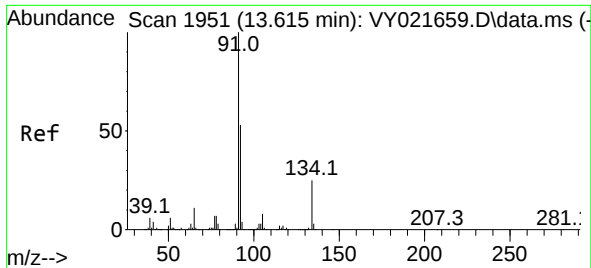
Ion Ratio Lower Upper

119 100

134 29.2 13.2 39.5

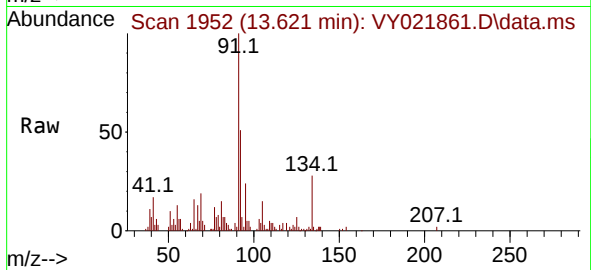
91 23.2 12.0 36.0





#89
 n-Butylbenzene
 Concen: 7.077 ug/l
 RT: 13.621 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VY021861.D
 Acq: 11 Apr 2025 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-41125



Tgt Ion:	91	Resp:	18892
Ion Ratio	Lower	Upper	
91	100		
92	57.7	26.4	79.2
134	0.0	12.8	38.4

