

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021862.D
 Acq On : 11 Apr 2025 16:18
 Operator : SY/MD
 Sample : Q1784-01
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-01-41125

Quant Time: Apr 12 02:51:27 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)

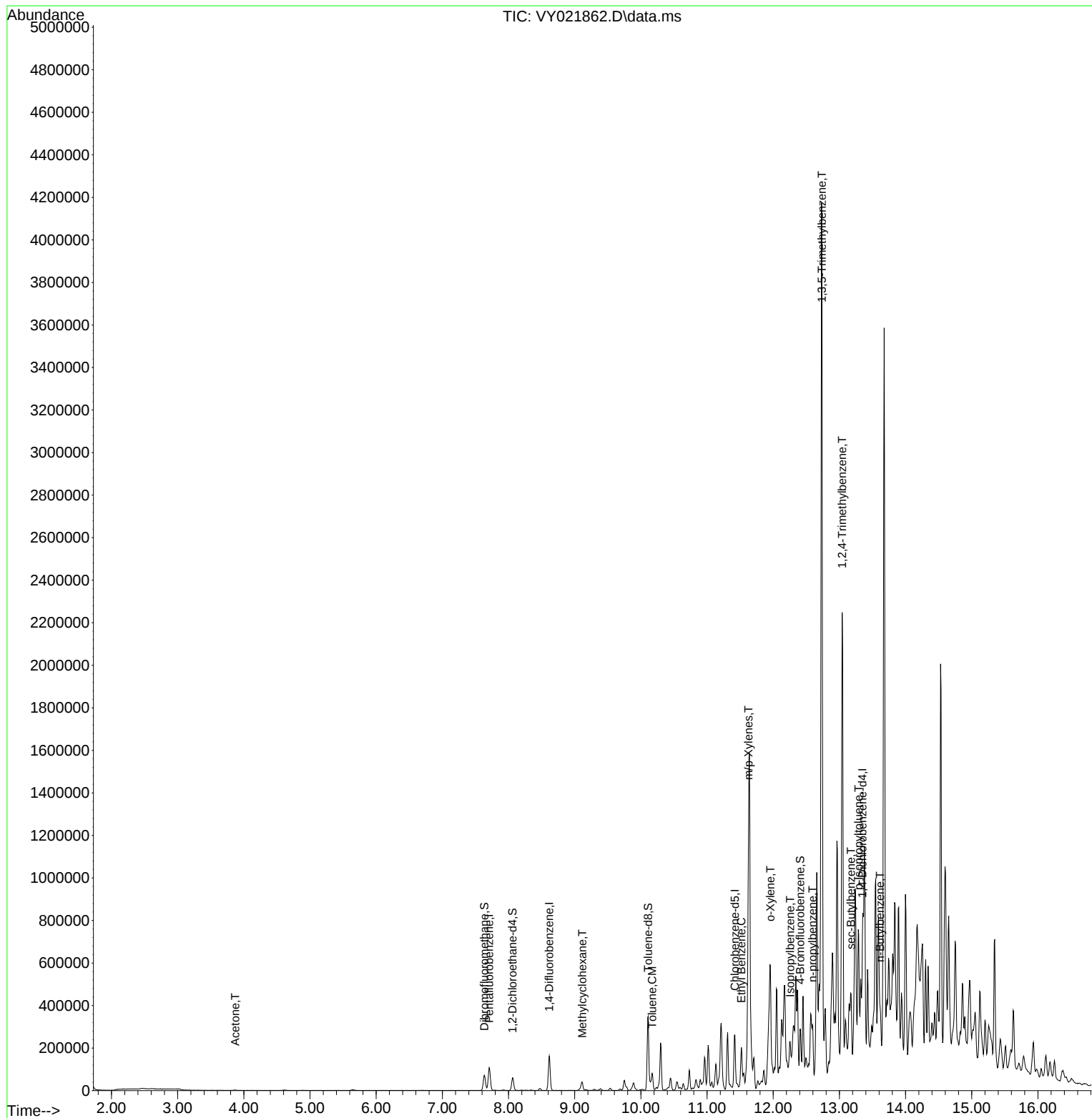
Internal Standards						
1) Pentafluorobenzene	7.707	168	78467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	131148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	131944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	57291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	48280	56.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.580%	
35) Dibromofluoromethane	7.634	113	50635	59.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.040%	
50) Toluene-d8	10.109	98	179747	55.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.080%	
62) 4-Bromofluorobenzene	12.408	95	61103	55.816	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.640%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	2630	15.115	ug/l	97
39) Methylcyclohexane	9.116	83	14171	9.155	ug/l	96
52) Toluene	10.170	92	31815	13.140	ug/l	98
67) Ethyl Benzene	11.518	91	115242	22.220	ug/l	99
68) m/p-Xylenes	11.627	106	228315	114.959	ug/l	99
69) o-Xylene	11.957	106	124235	67.766	ug/l	98
73) Isopropylbenzene	12.255	105	69964	16.442	ug/l	100
78) n-propylbenzene	12.597	91	170468	33.322	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	320694	92.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1039934	302.547	ug/l	100
85) sec-Butylbenzene	13.176	105	129805	28.674	ug/l	88
86) p-Isopropyltoluene	13.292	119	89530	23.929	ug/l	100
89) n-Butylbenzene	13.615	91	92767	26.810	ug/l #	78

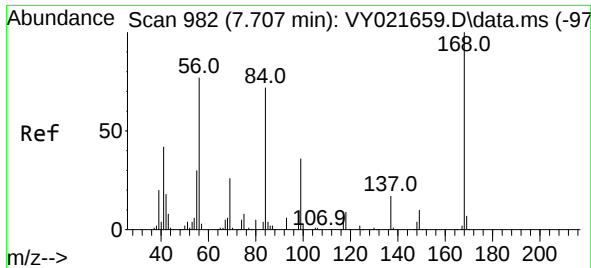
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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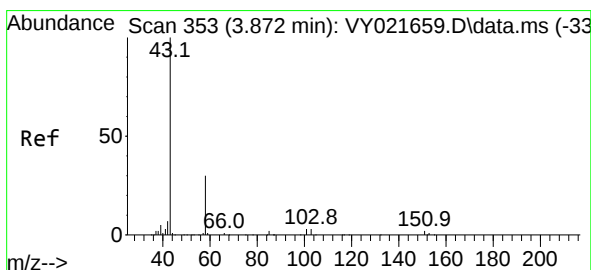
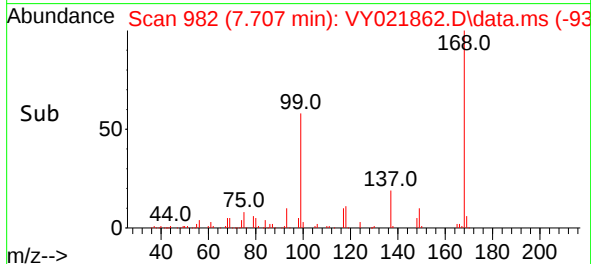
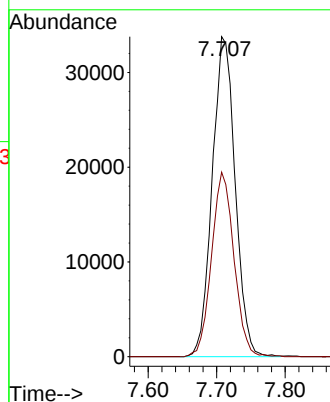
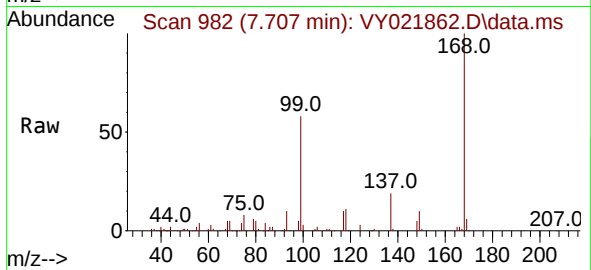




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

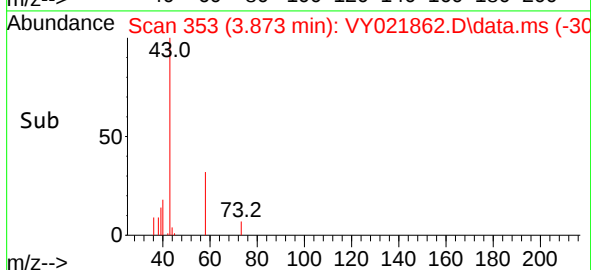
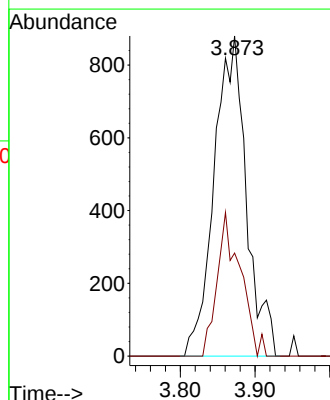
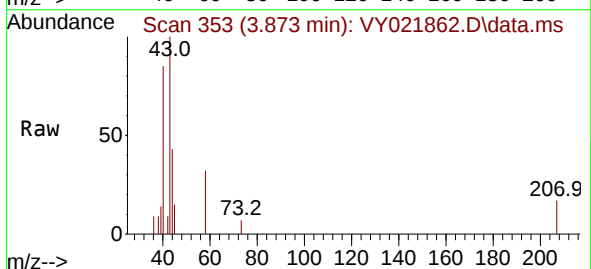
Instrument :
MSVOA_Y
ClientSampleId :
OR-01-41125

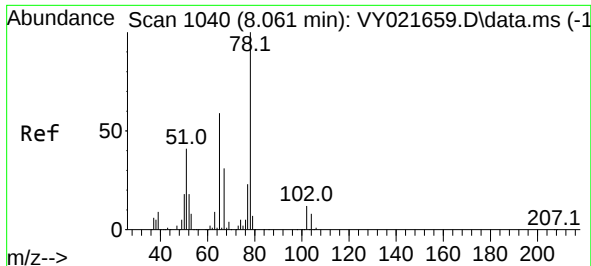
Tgt Ion:168 Resp: 78467
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#16
Acetone
Concen: 15.115 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 32.2 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 56.789 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021862.D

Acq: 11 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

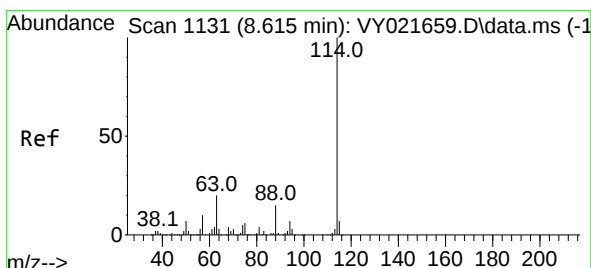
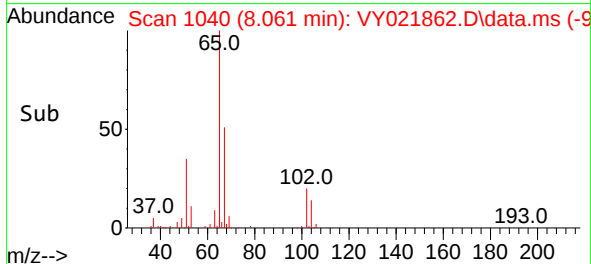
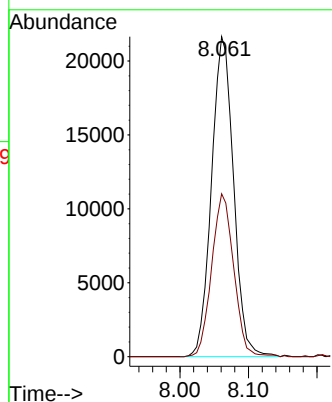
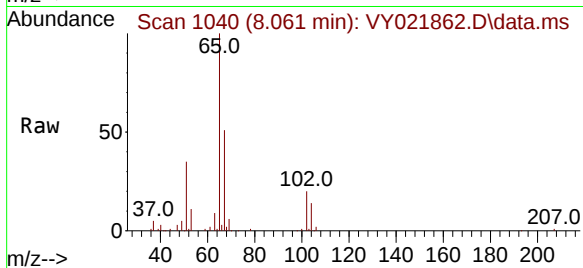
OR-01-41125

Tgt Ion: 65 Resp: 48280

Ion Ratio Lower Upper

65 100

67 51.0 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: VY021862.D

Acq: 11 Apr 2025 16:18

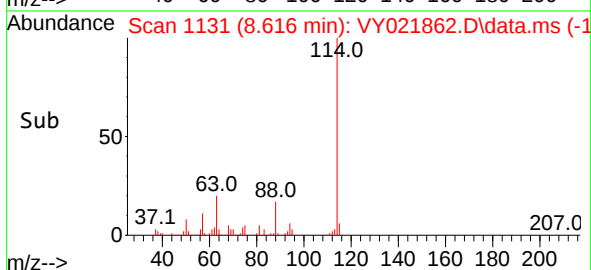
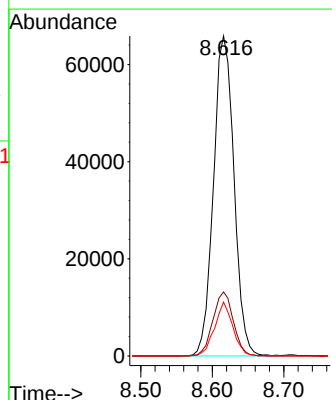
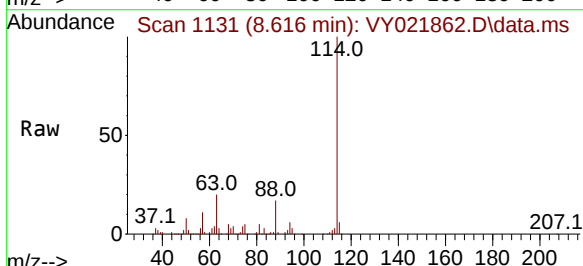
Tgt Ion: 114 Resp: 131148

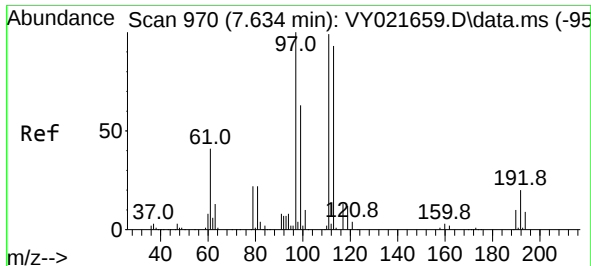
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 16.8 0.0 29.8

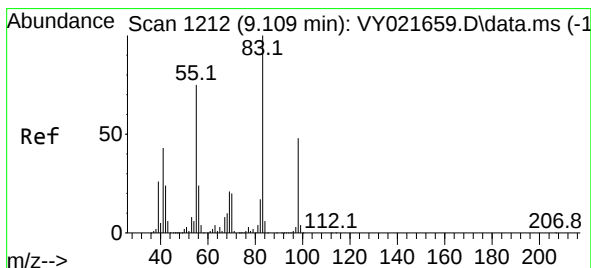
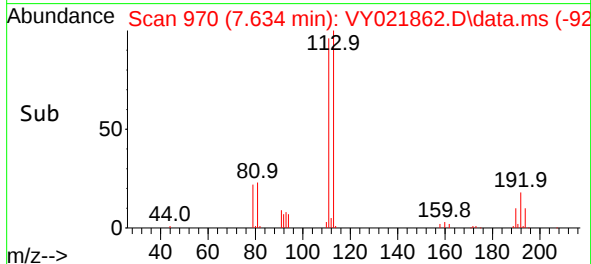
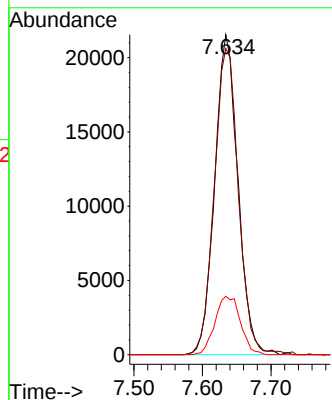
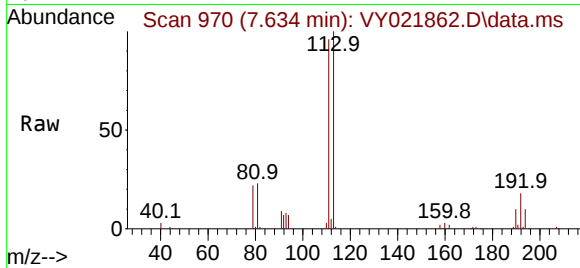




#35
Dibromofluoromethane
Concen: 59.519 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

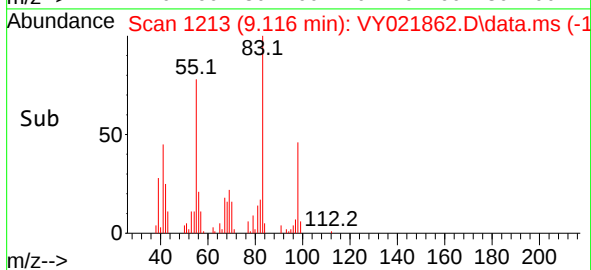
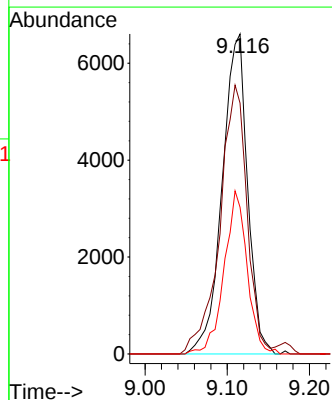
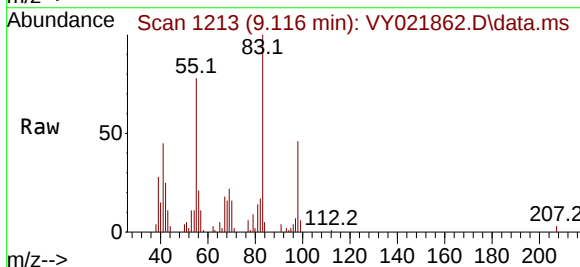
Instrument :
MSVOA_Y
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OR-01-41125

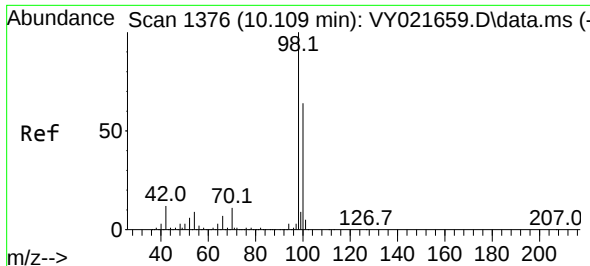
Tgt Ion:113 Resp: 50635
Ion Ratio Lower Upper
113 100
111 99.8 82.6 123.8
192 20.0 16.2 24.4



#39
Methylcyclohexane
Concen: 9.155 ug/l
RT: 9.116 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion: 83 Resp: 14171
Ion Ratio Lower Upper
83 100
55 78.4 59.7 89.5
98 45.9 38.3 57.5

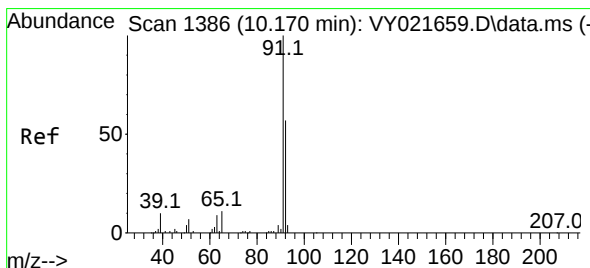
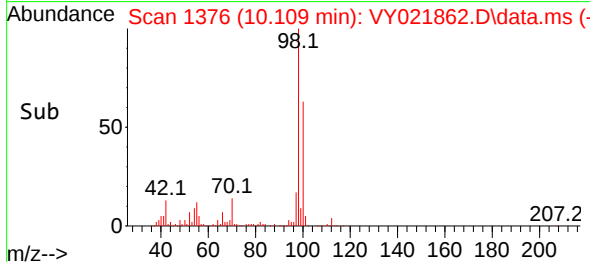
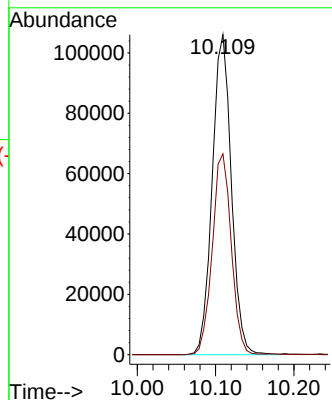
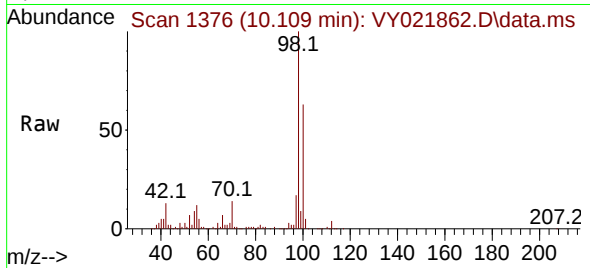




#50
Toluene-d8
Concen: 55.538 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

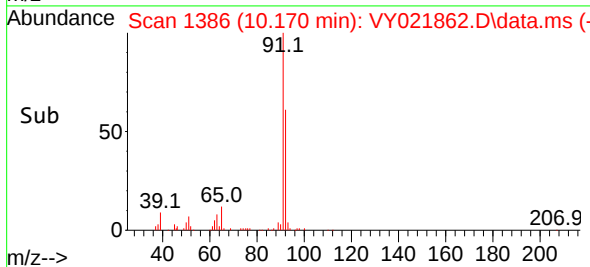
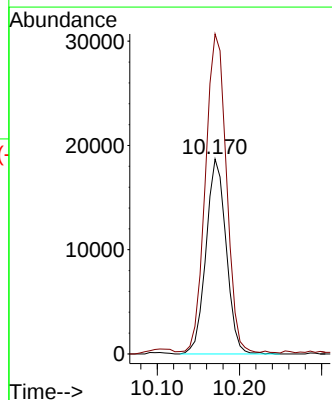
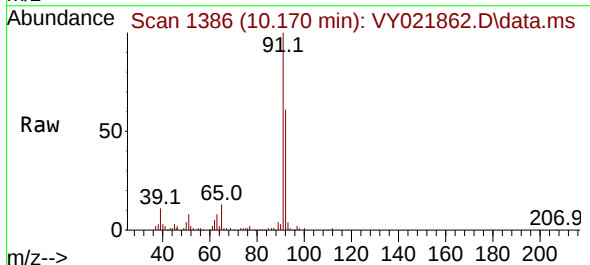
Instrument :
MSVOA_Y
ClientSampleId :
OR-01-41125

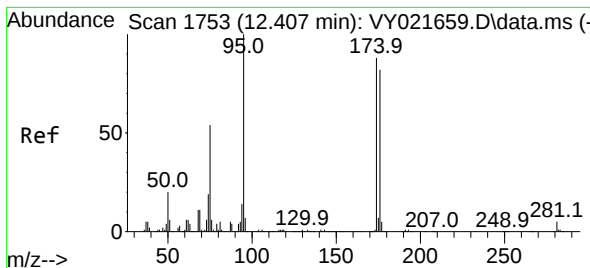
Tgt Ion: 98 Resp: 179747
Ion Ratio Lower Upper
98 100
100 62.3 52.1 78.1



#52
Toluene
Concen: 13.140 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion: 92 Resp: 31815
Ion Ratio Lower Upper
92 100
91 170.6 138.6 207.8

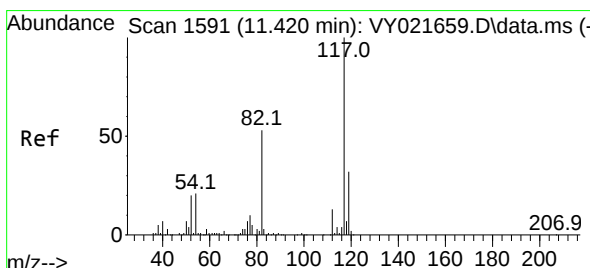
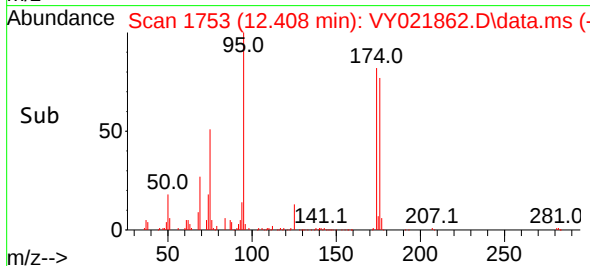
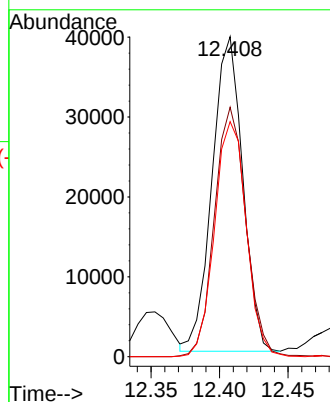
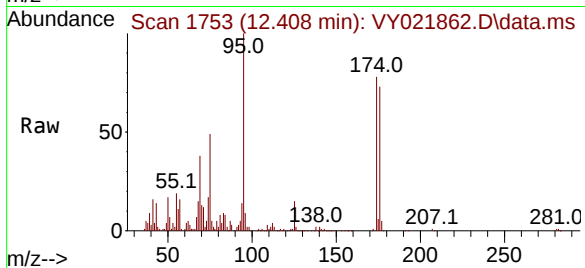




#62
4-Bromofluorobenzene
Concen: 55.816 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

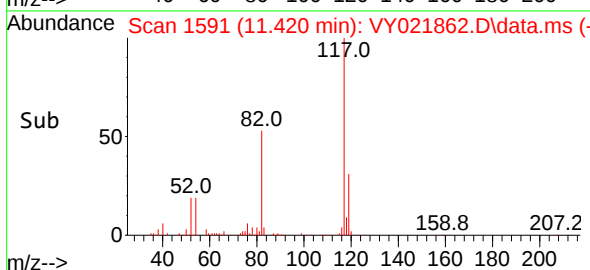
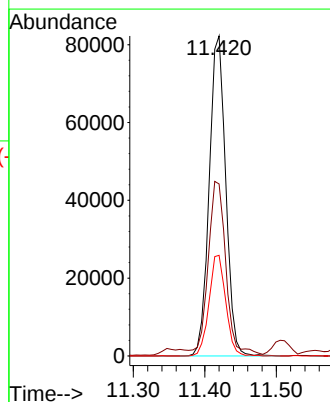
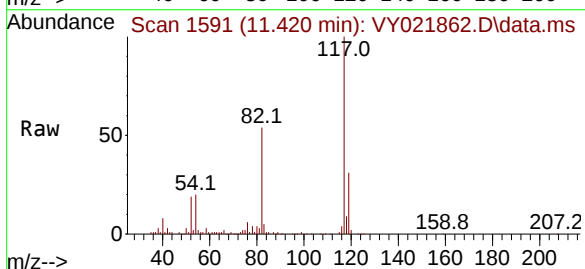
Instrument :
MSVOA_Y
ClientSampleId :
OR-01-41125

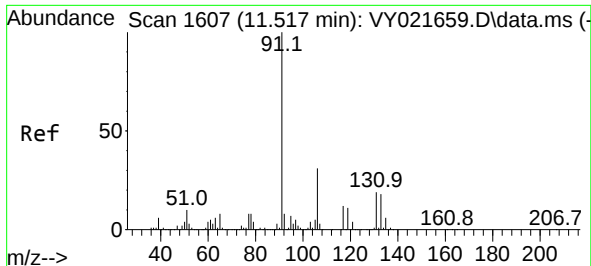
Tgt Ion: 95 Resp: 61103
Ion Ratio Lower Upper
95 100
174 81.9 0.0 170.8
176 77.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion: 117 Resp: 131944
Ion Ratio Lower Upper
117 100
82 51.7 42.8 64.2
119 31.5 25.7 38.5





#67

Ethyl Benzene

Concen: 22.220 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021862.D

Acq: 11 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

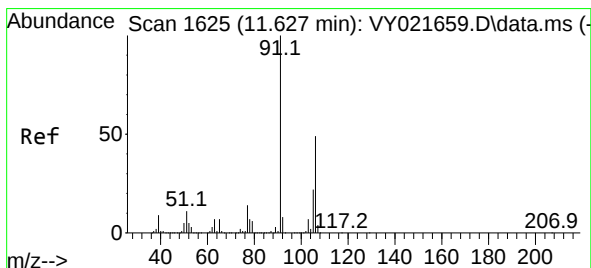
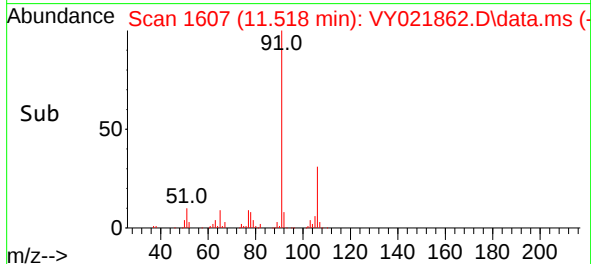
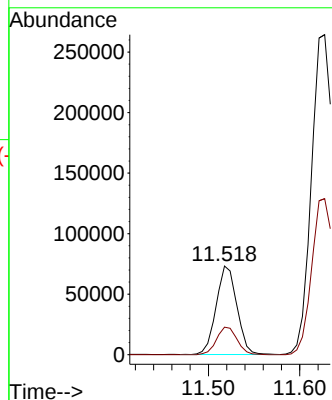
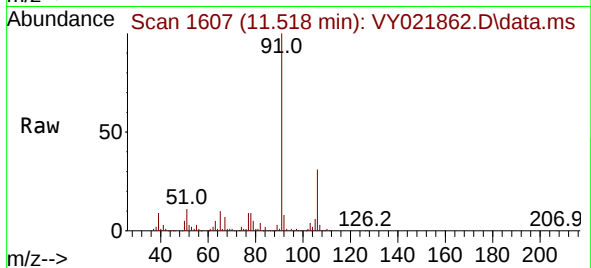
OR-01-41125

Tgt Ion: 91 Resp: 115242

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 114.959 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021862.D

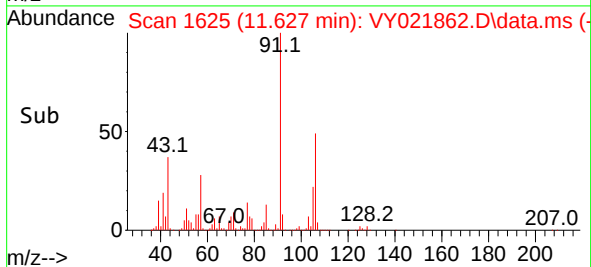
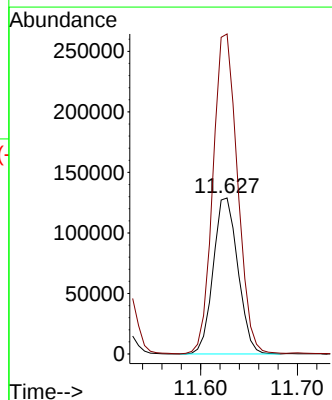
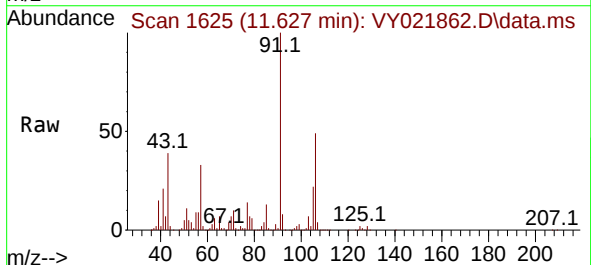
Acq: 11 Apr 2025 16:18

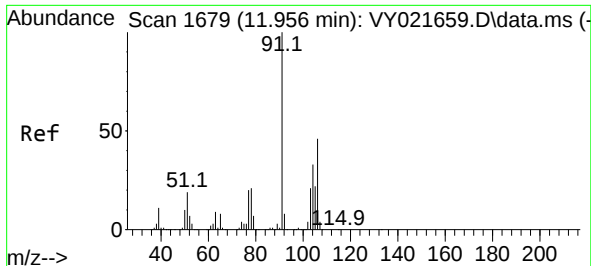
Tgt Ion:106 Resp: 228315

Ion Ratio Lower Upper

106 100

91 204.5 162.4 243.6

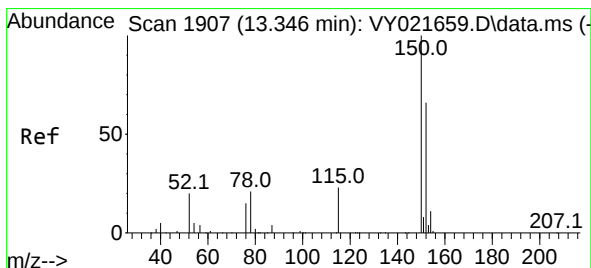
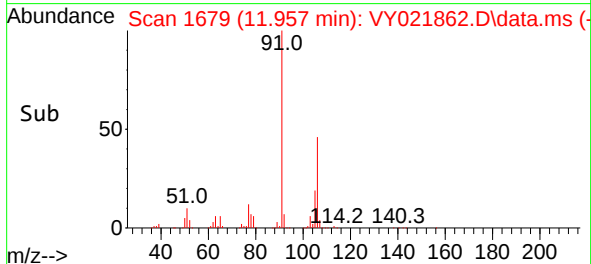
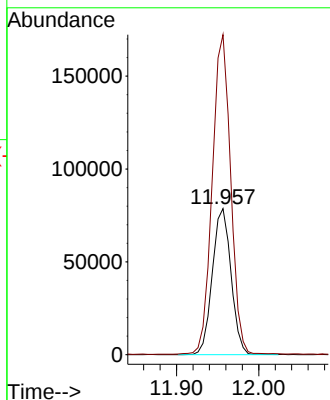
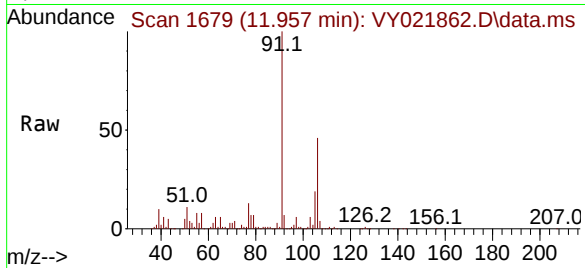




#69
o-Xylene
Concen: 67.766 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

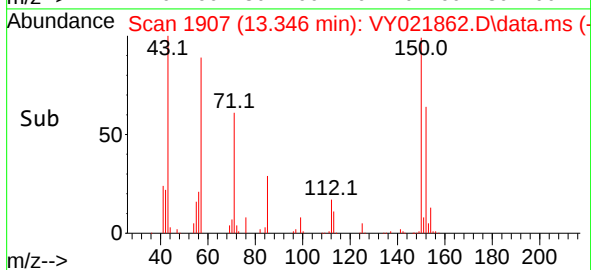
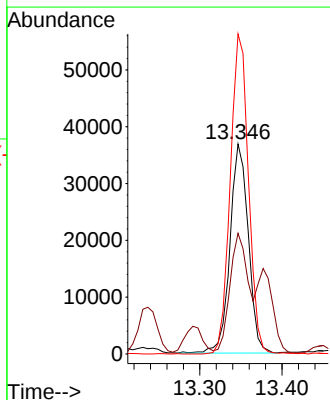
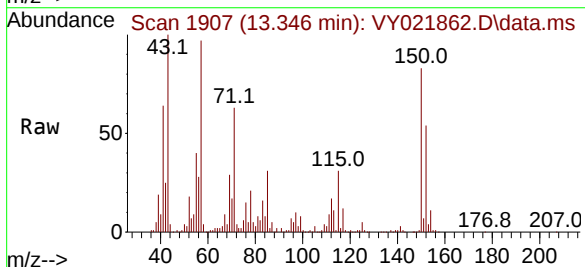
Instrument :
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OR-01-41125

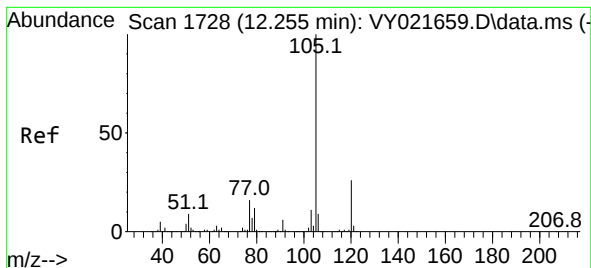
Tgt Ion:106 Resp: 124235
Ion Ratio Lower Upper
106 100
91 216.2 106.7 319.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion:152 Resp: 57291
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 151.4 0.0 348.4





#73

Isopropylbenzene

Concen: 16.442 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021862.D

Acq: 11 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

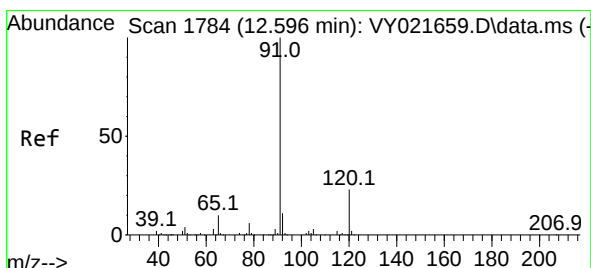
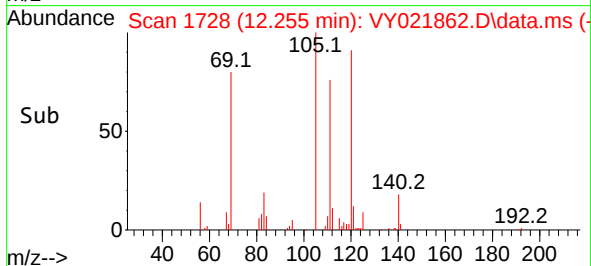
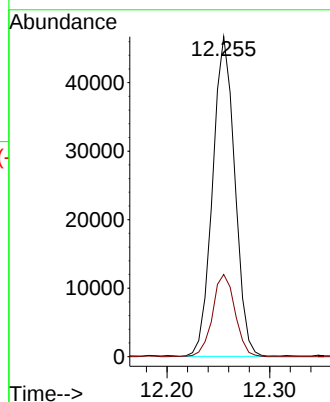
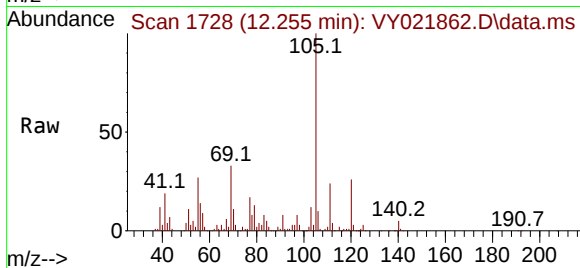
OR-01-41125

Tgt Ion:105 Resp: 69964

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#78

n-propylbenzene

Concen: 33.322 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021862.D

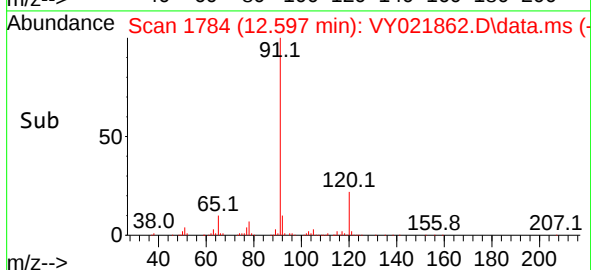
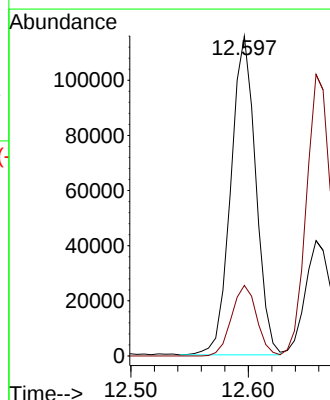
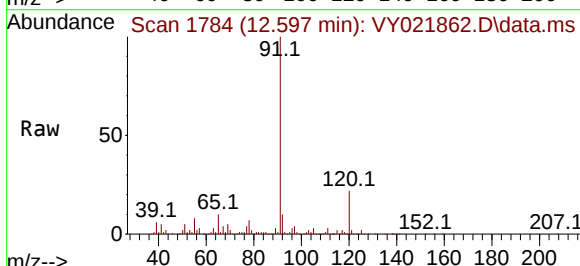
Acq: 11 Apr 2025 16:18

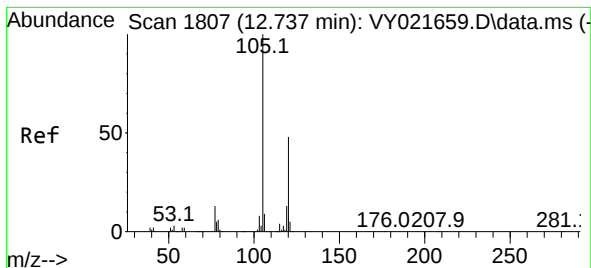
Tgt Ion: 91 Resp: 170468

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.9

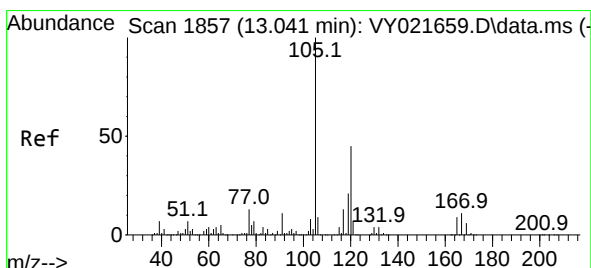
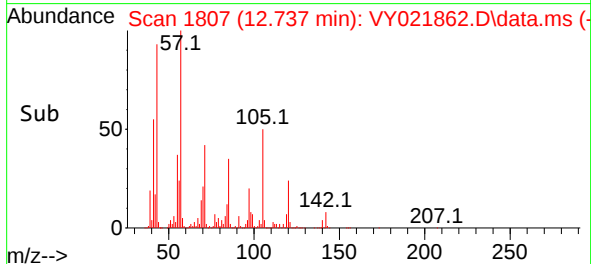
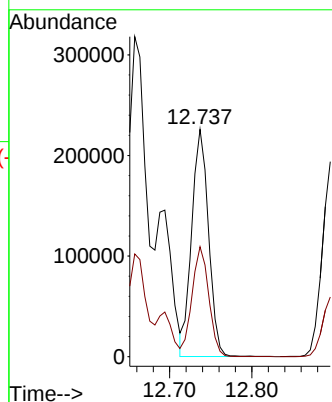
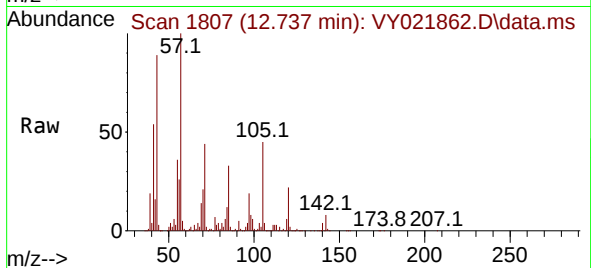




#80
1,3,5-Trimethylbenzene
Concen: 92.213 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

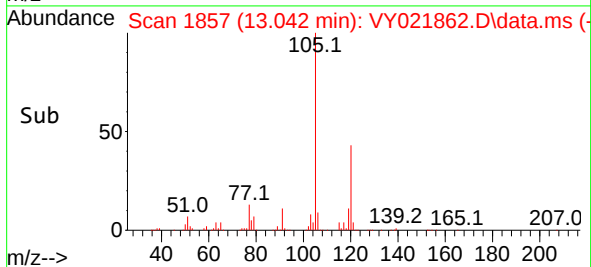
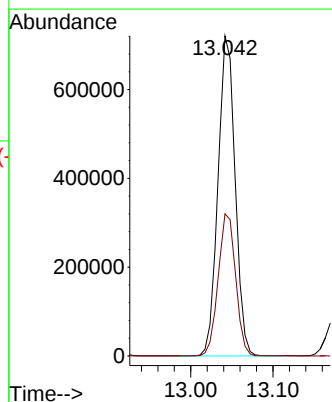
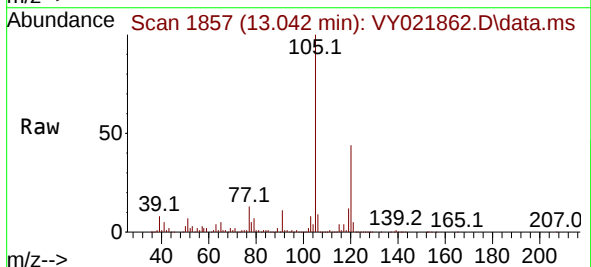
Instrument :
MSVOA_Y
ClientSampleId :
OR-01-41125

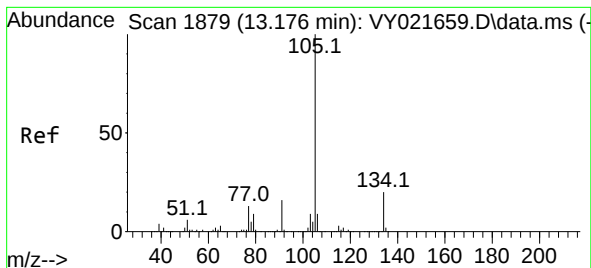
Tgt Ion:105 Resp: 320694
Ion Ratio Lower Upper
105 100
120 48.5 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 302.547 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021862.D
Acq: 11 Apr 2025 16:18

Tgt Ion:105 Resp: 1039934
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 28.674 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY021862.D

Acq: 11 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

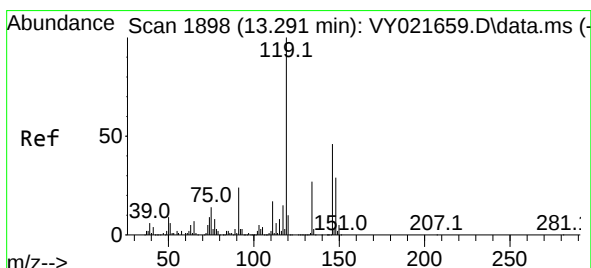
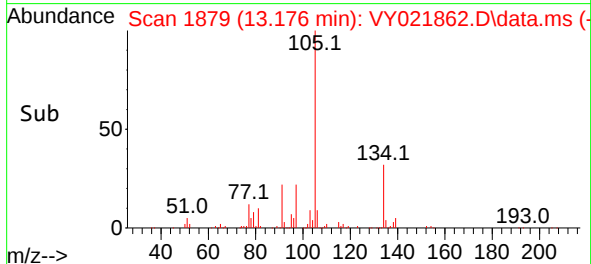
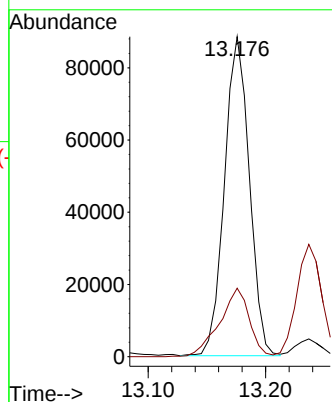
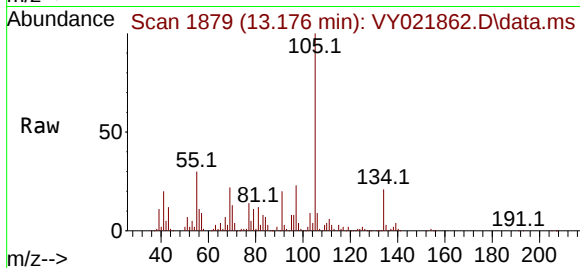
OR-01-41125

Tgt Ion:105 Resp: 129805

Ion Ratio Lower Upper

105 100

134 25.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 23.929 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY021862.D

Acq: 11 Apr 2025 16:18

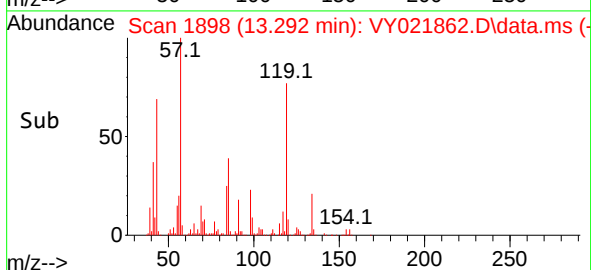
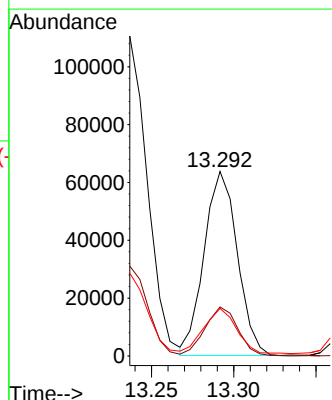
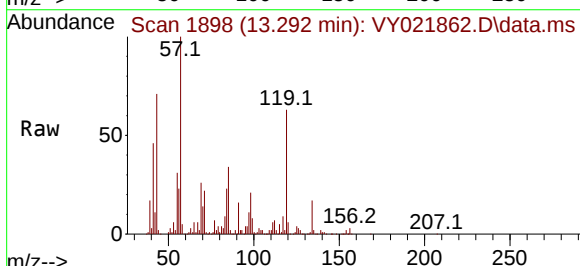
Tgt Ion:119 Resp: 89530

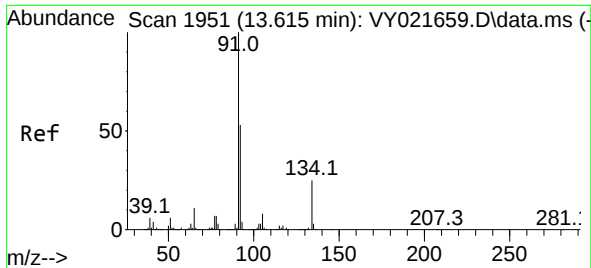
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 24.1 12.0 36.0





#89

n-Butylbenzene

Concen: 26.810 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021862.D

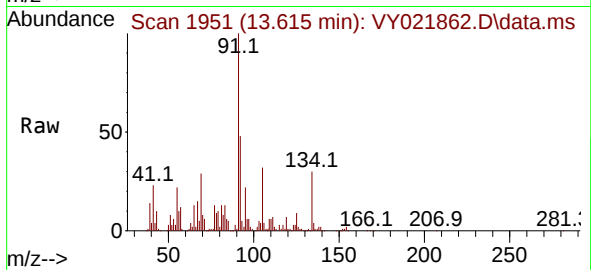
Acq: 11 Apr 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

OR-01-41125



Tgt Ion:	91	Resp:	92767
Ion	Ratio	Lower	Upper
91	100		
92	58.8	26.4	79.2
134	0.0	12.8	38.4#

