

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011727.D
 Acq On : 07 Dec 2022 12:43
 Operator : KP/MD
 Sample : N5897-05
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2025

Quant Time: Dec 08 07:56:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

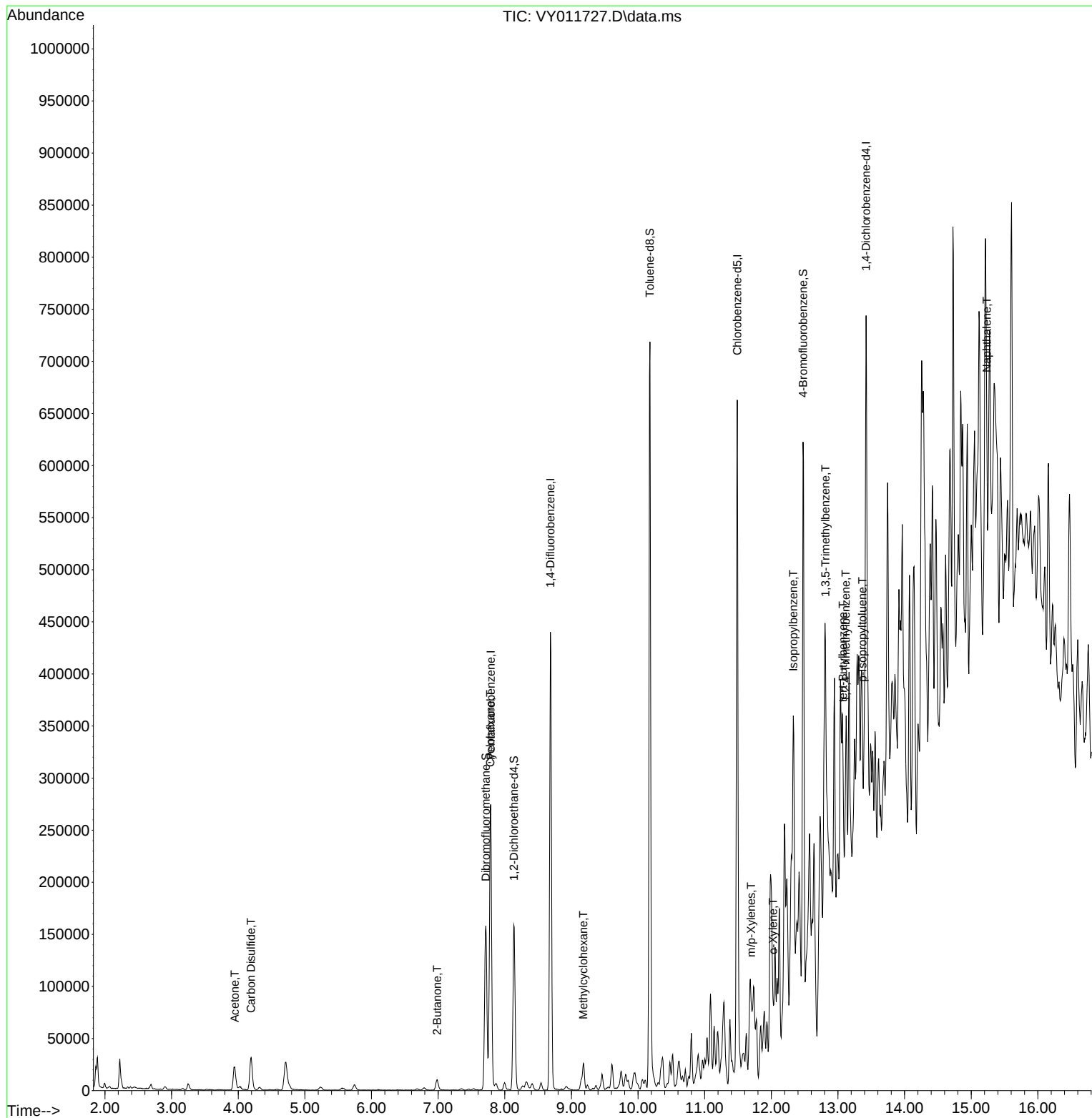
Internal Standards						
1) Pentafluorobenzene	7.789	168	208317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125331	59.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.500%	
35) Dibromofluoromethane	7.716	113	113629	50.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.179	98	448542	54.378	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.760%	
62) 4-Bromofluorobenzene	12.477	95	153005	50.170	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	41361	60.199	ug/l	91
17) Carbon Disulfide	4.192	76	61776	12.176	ug/l	100
25) 2-Butanone	6.984	43	14646	16.220	ug/l #	90
31) Cyclohexane	7.783	56	6470	1.845	ug/l #	28
39) Methylcyclohexane	9.179	83	9469	2.391	ug/l #	81
68) m/p-Xylenes	11.697	106	6272	1.268	ug/l	89
69) o-Xylene	12.026	106	6031	1.310	ug/l	83
73) Isopropylbenzene	12.331	105	20698	2.124	ug/l	76
80) 1,3,5-Trimethylbenzene	12.812	105	29174	3.551	ug/l	97
83) tert-Butylbenzene	13.075	119	12636	1.766	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	49164	6.059	ug/l	99
86) p-Isopropyltoluene	13.367	119	26045	2.923	ug/l	98
95) Naphthalene	15.233	128	45659	12.813	ug/l #	87

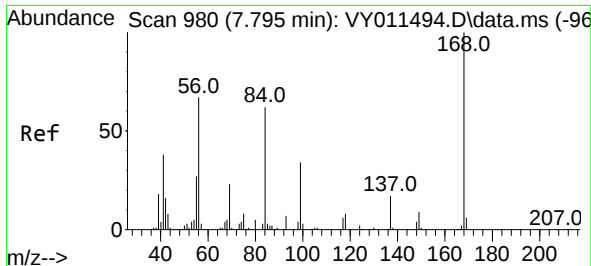
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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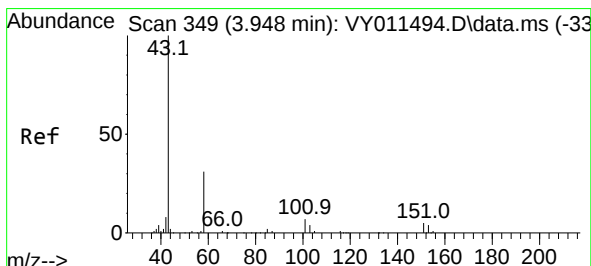
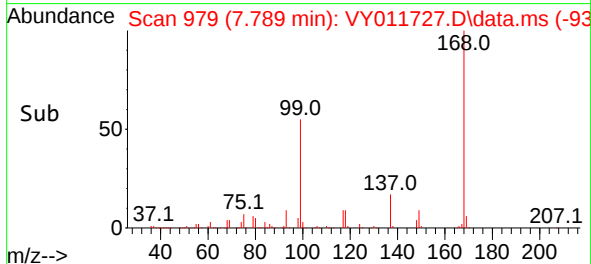
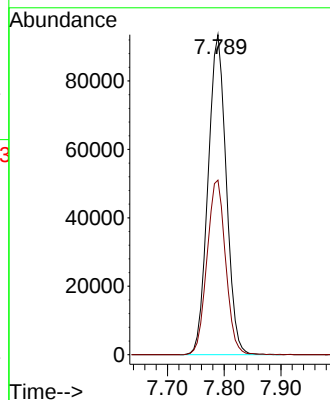
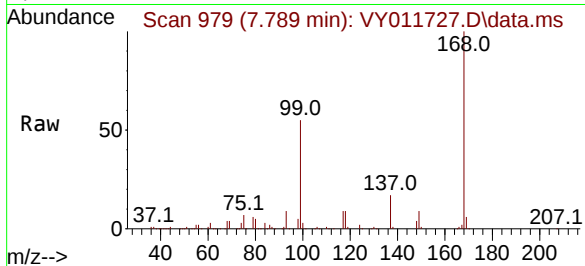




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

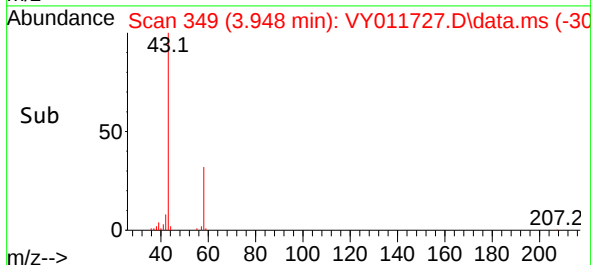
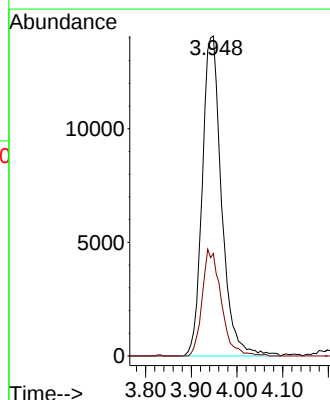
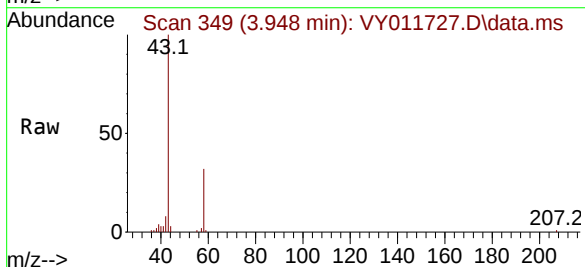
Instrument :
MSVOA_Y
ClientSampleId :
2025

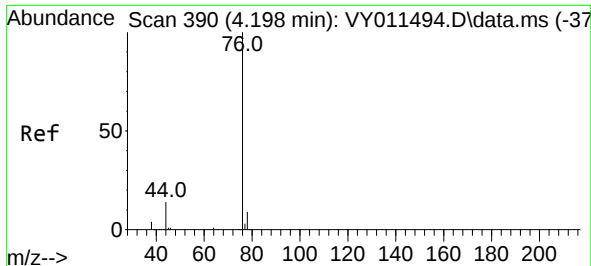
Tgt Ion:168 Resp: 208317
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#16
Acetone
Concen: 60.199 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Tgt Ion: 43 Resp: 41361
Ion Ratio Lower Upper
43 100
58 32.0 22.0 33.0

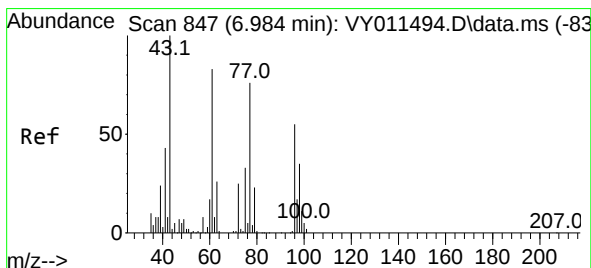
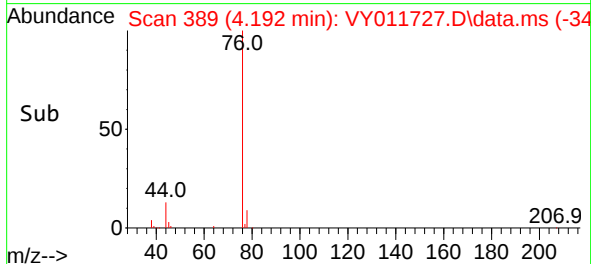
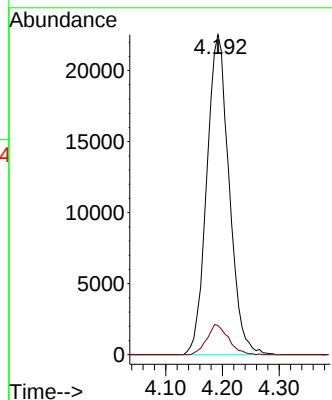
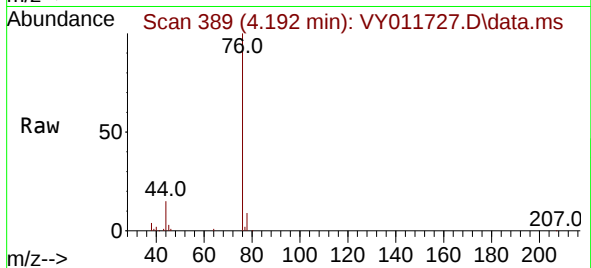




#17
Carbon Disulfide
Concen: 12.176 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

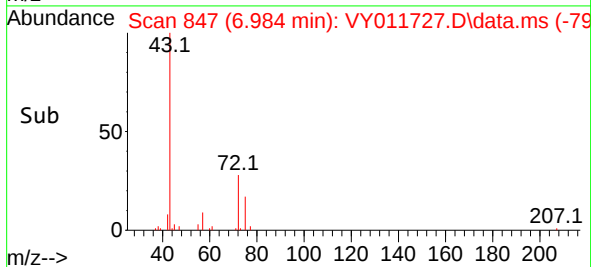
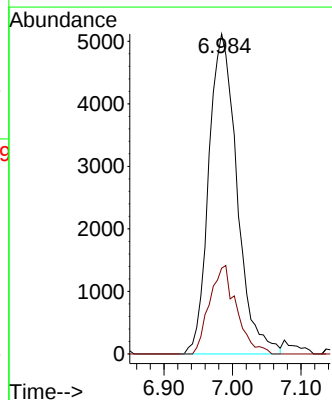
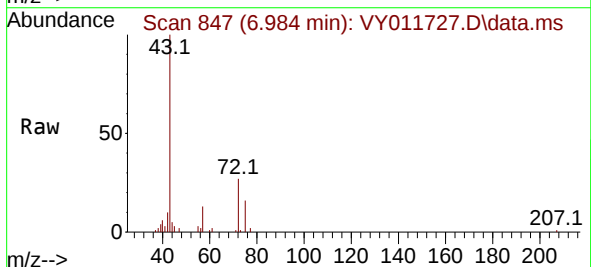
Instrument :
MSVOA_Y
ClientSampleId :
2025

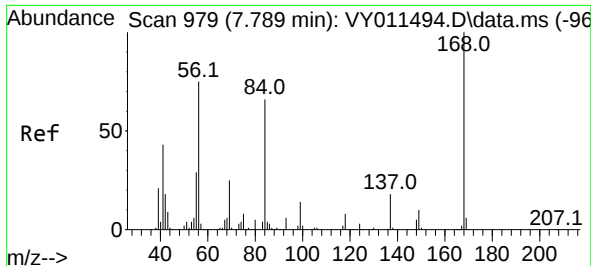
Tgt Ion: 76 Resp: 61776
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#25
2-Butanone
Concen: 16.220 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Tgt Ion: 43 Resp: 14646
Ion Ratio Lower Upper
43 100
72 26.8 17.7 26.5#

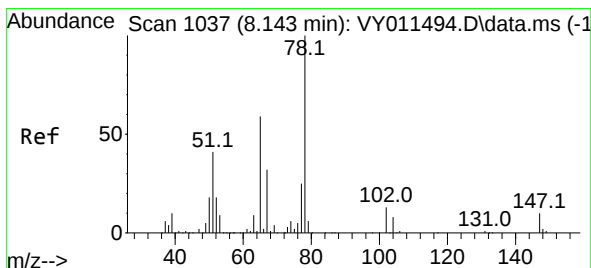
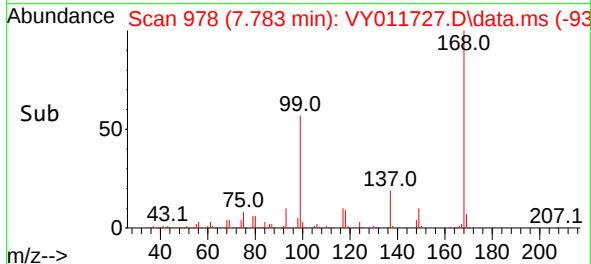
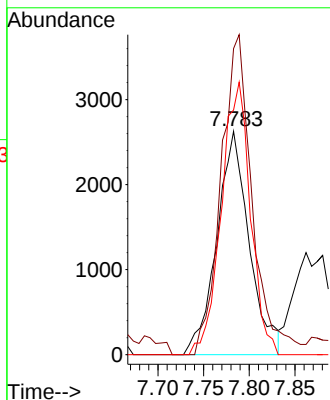
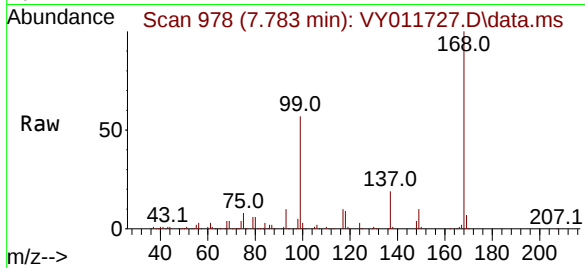




#31
Cyclohexane
Concen: 1.845 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

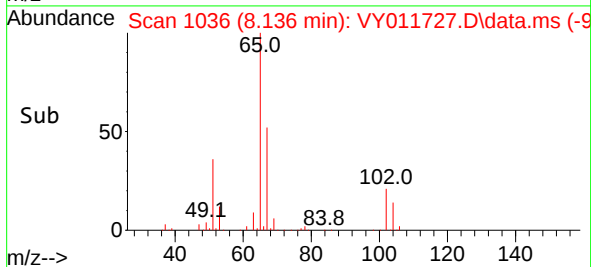
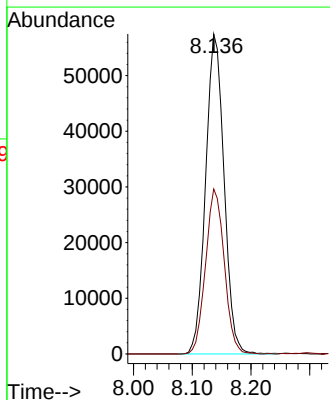
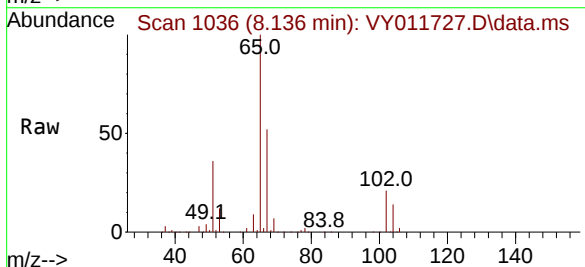
Instrument :
MSVOA_Y
ClientSampleId :
2025

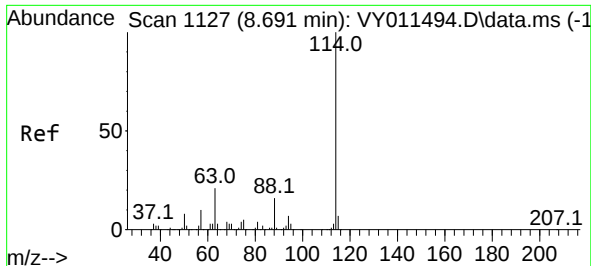
Tgt Ion: 56 Resp: 6470
Ion Ratio Lower Upper
56 100
69 137.0 26.7 40.1#
84 109.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.251 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Tgt Ion: 65 Resp: 125331
Ion Ratio Lower Upper
65 100
67 52.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

2025

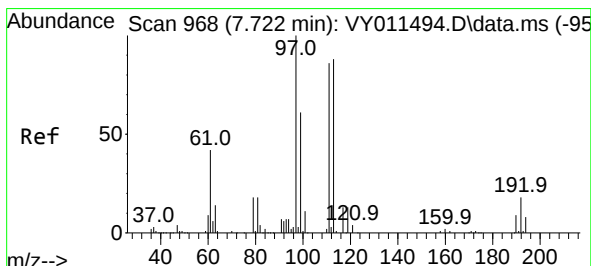
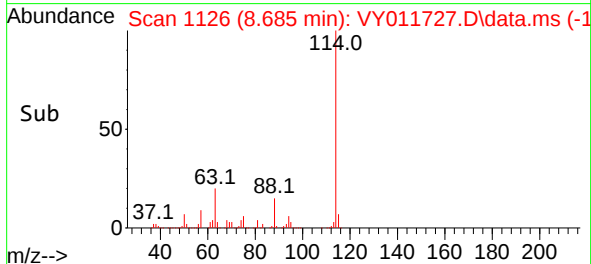
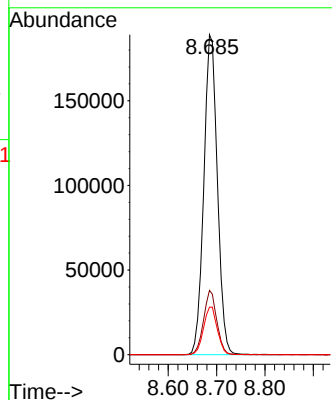
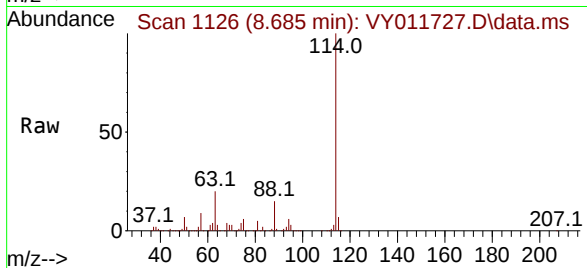
Tgt Ion:114 Resp: 368731

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.059 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

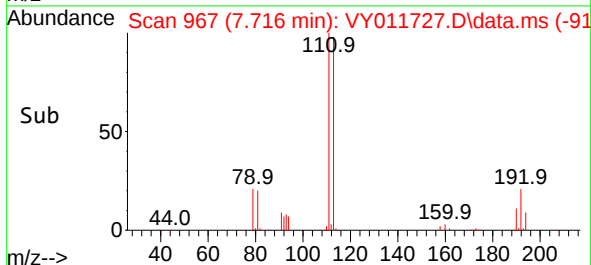
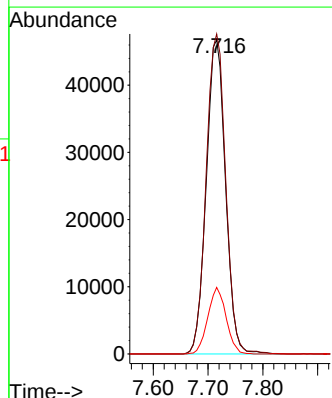
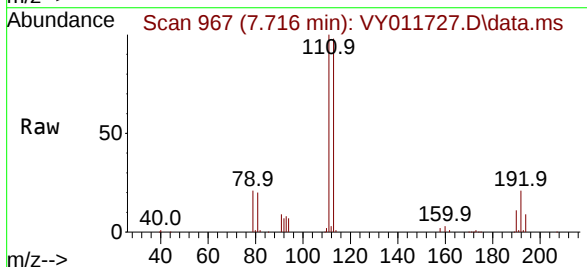
Tgt Ion:113 Resp: 113629

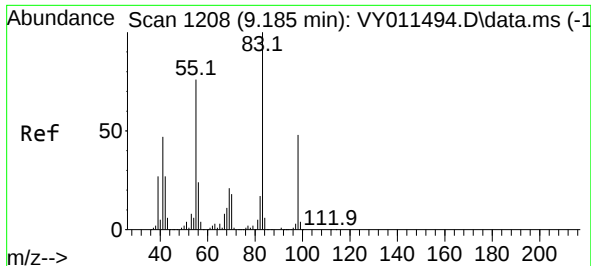
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 20.2 17.6 26.4





#39

Methylcyclohexane

Concen: 2.391 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

2025

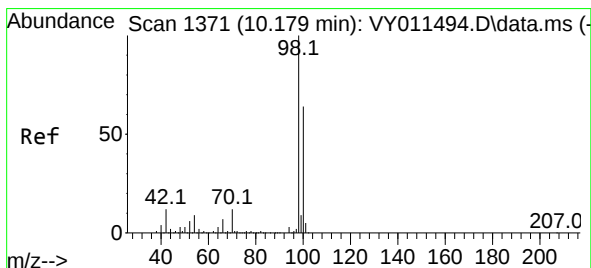
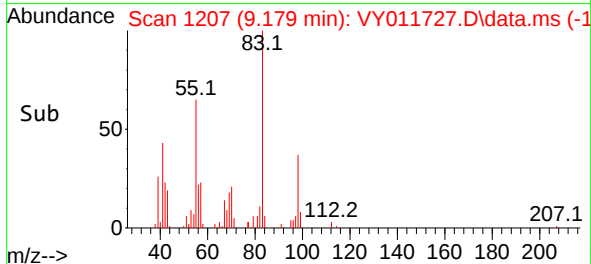
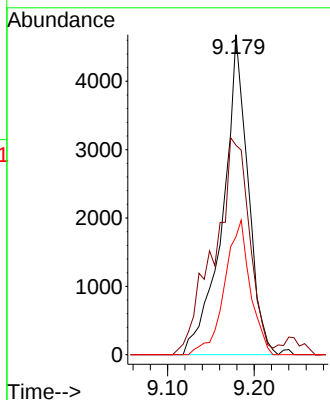
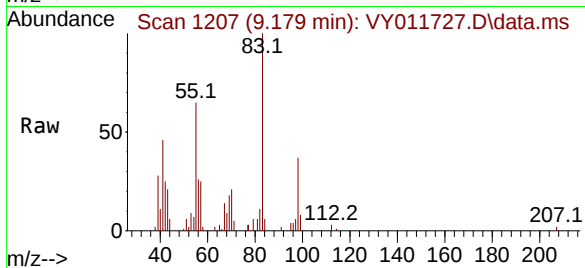
Tgt Ion: 83 Resp: 9469

Ion Ratio Lower Upper

83 100

55 63.8 66.5 99.7#

98 36.8 37.9 56.9#



#50

Toluene-d8

Concen: 54.378 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011727.D

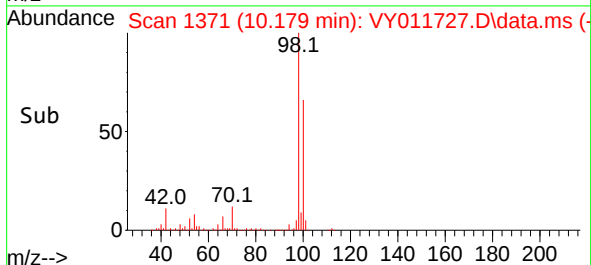
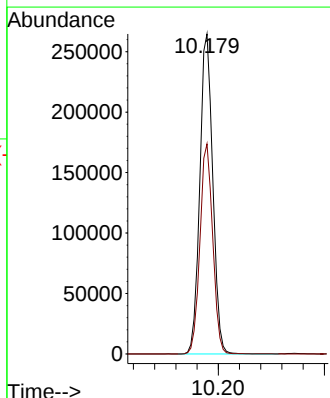
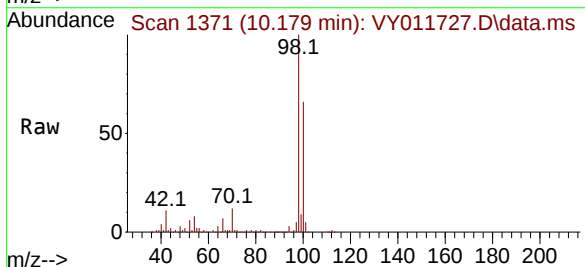
Acq: 07 Dec 2022 12:43

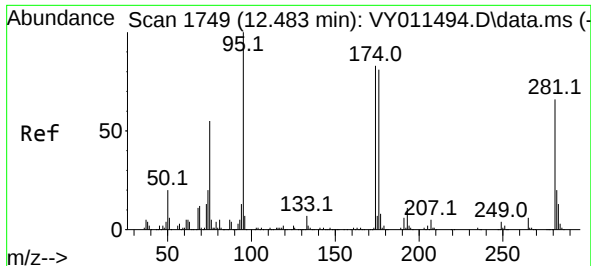
Tgt Ion: 98 Resp: 448542

Ion Ratio Lower Upper

98 100

100 64.7 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 50.170 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

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ClientSampleId :

2025

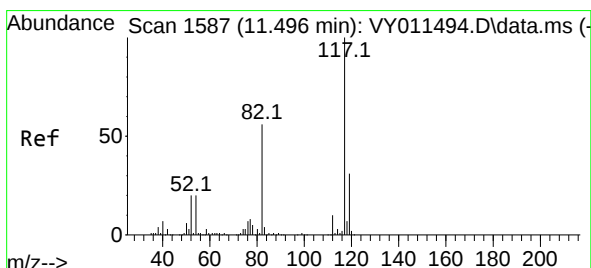
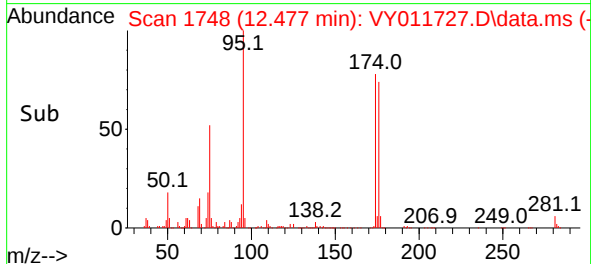
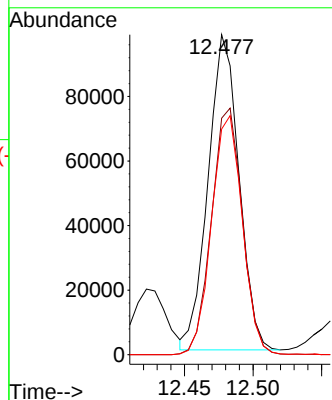
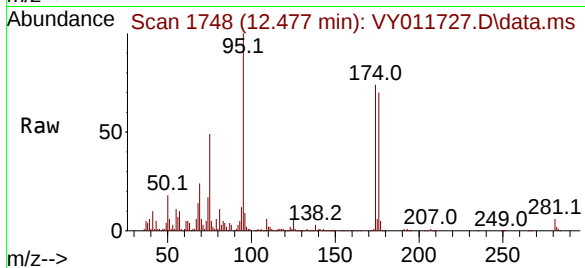
Tgt Ion: 95 Resp: 153005

Ion Ratio Lower Upper

95 100

174 78.4 0.0 177.0

176 75.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.007 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

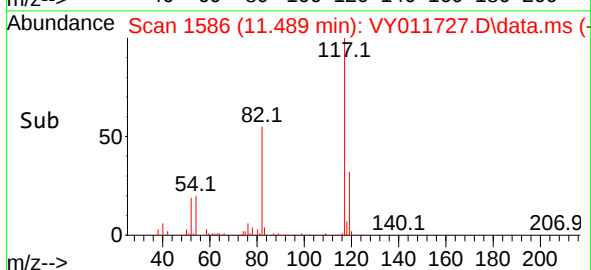
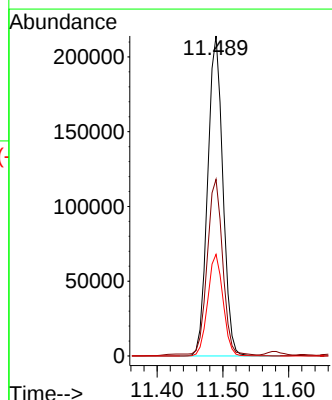
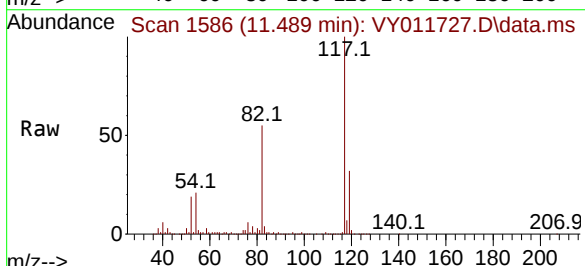
Tgt Ion: 117 Resp: 343652

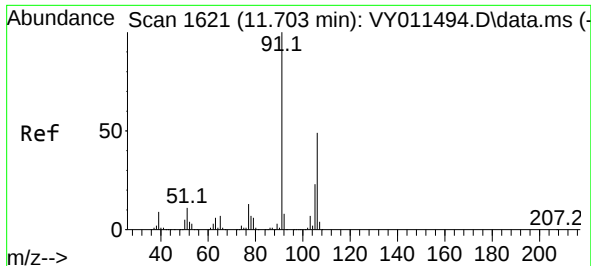
Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.4

119 31.8 25.4 38.0

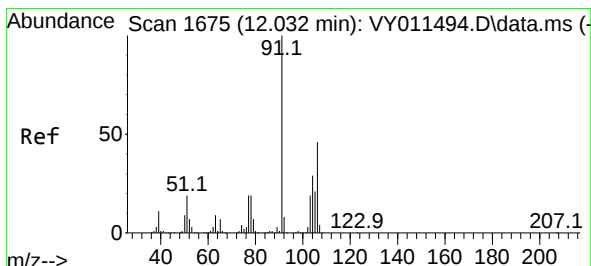
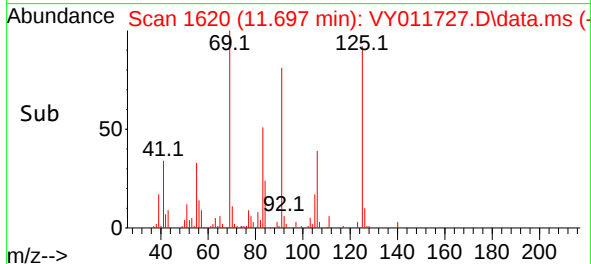
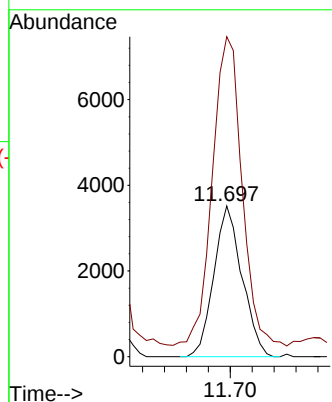
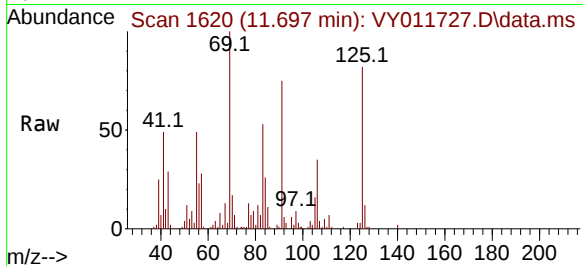




#68
m/p-Xylenes
Concen: 1.268 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

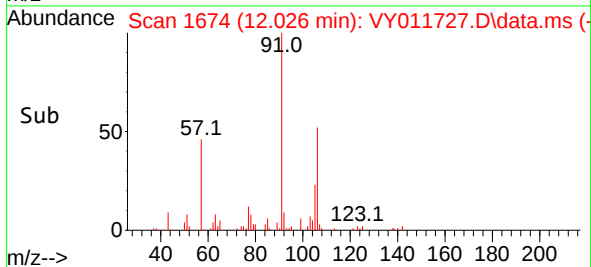
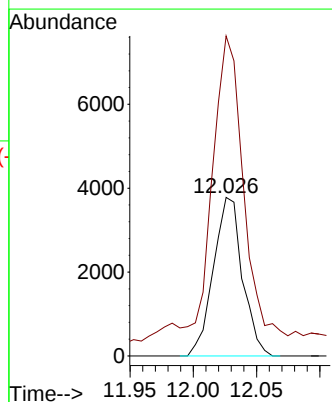
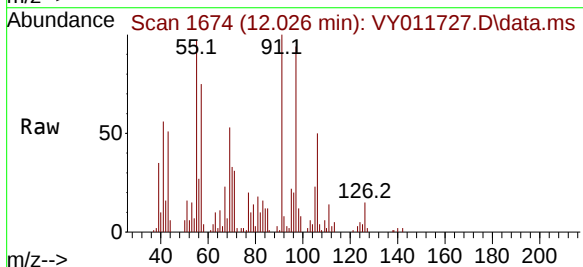
Instrument :
MSVOA_Y
ClientSampleId :
2025

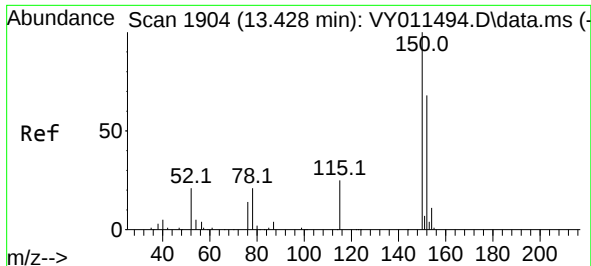
Tgt Ion:106 Resp: 6272
Ion Ratio Lower Upper
106 100
91 224.5 166.6 249.8



#69
o-Xylene
Concen: 1.310 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Tgt Ion:106 Resp: 6031
Ion Ratio Lower Upper
106 100
91 193.7 110.3 331.0

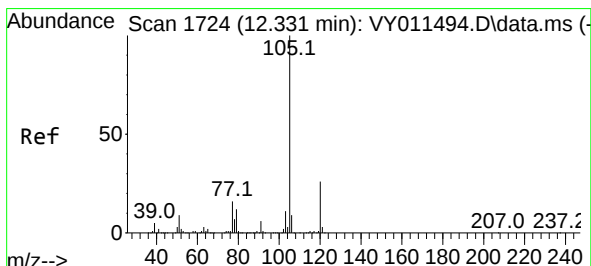
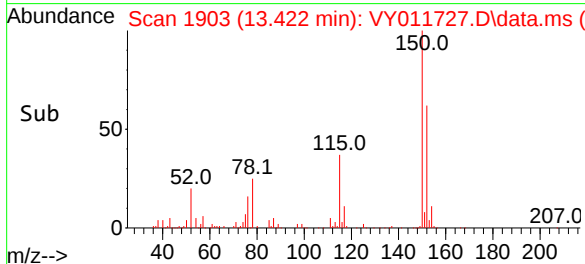
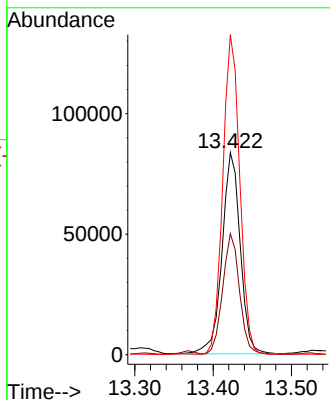
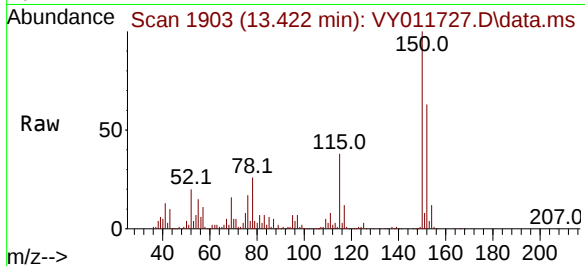




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

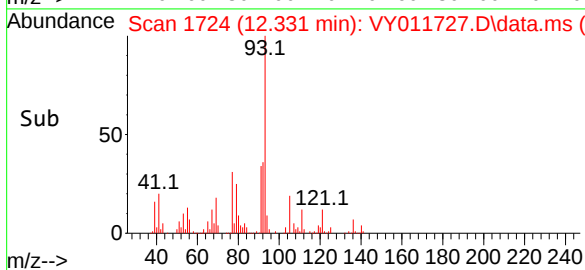
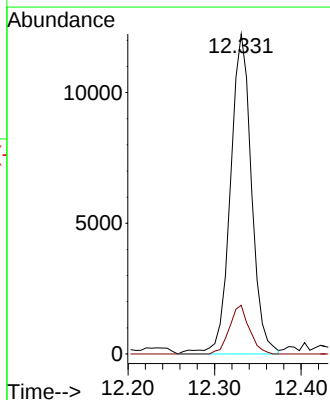
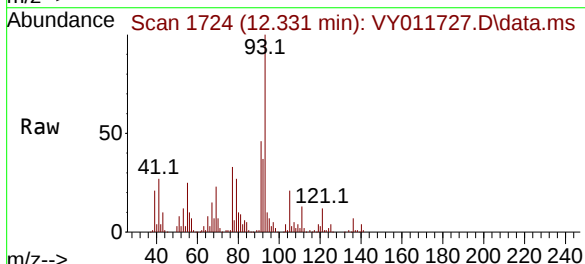
Instrument :
MSVOA_Y
ClientSampleId :
2025

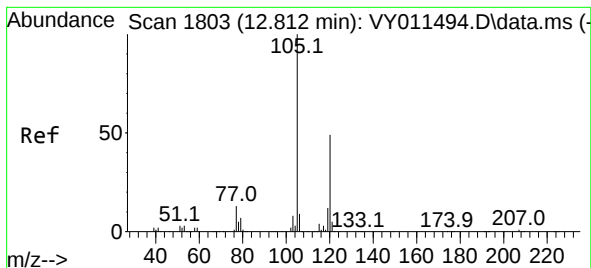
Tgt Ion:152 Resp: 134765
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 148.1 0.0 347.6



#73
Isopropylbenzene
Concen: 2.124 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Tgt Ion:105 Resp: 20698
Ion Ratio Lower Upper
105 100
120 14.3 13.4 40.2





#80

1,3,5-Trimethylbenzene

Concen: 3.551 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

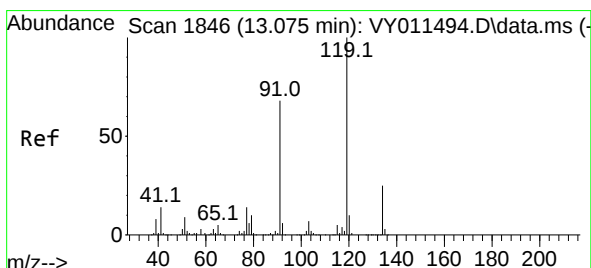
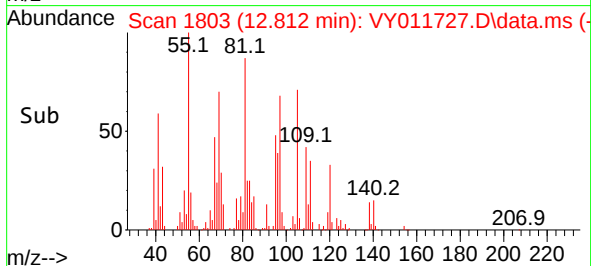
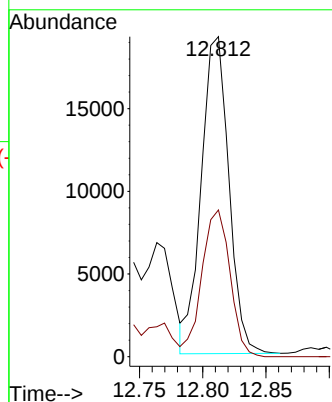
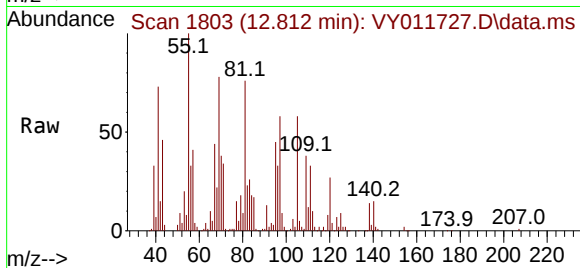
2025

Tgt Ion:105 Resp: 29174

Ion Ratio Lower Upper

105 100

120 47.1 24.4 73.4



#83

tert-Butylbenzene

Concen: 1.766 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

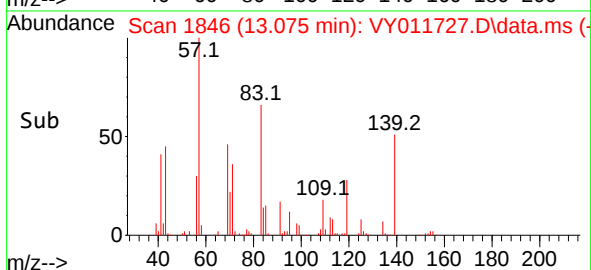
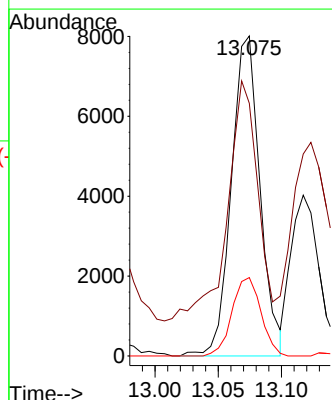
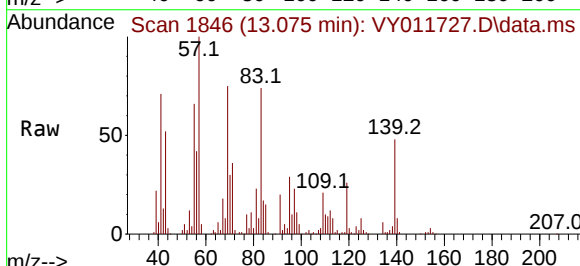
Tgt Ion:119 Resp: 12636

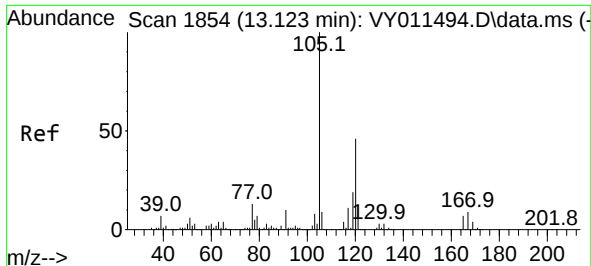
Ion Ratio Lower Upper

119 100

91 78.5 34.8 104.4

134 24.7 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 6.059 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

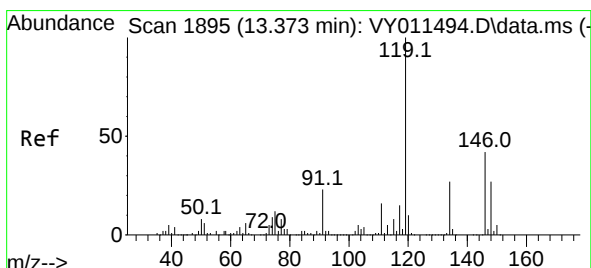
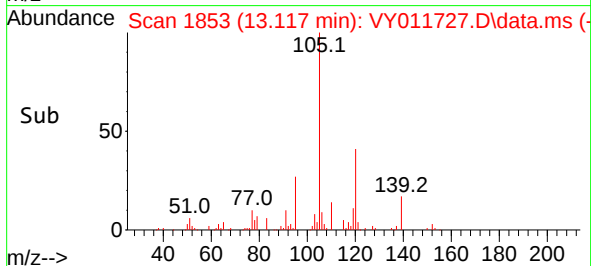
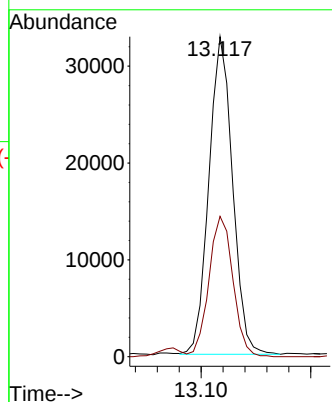
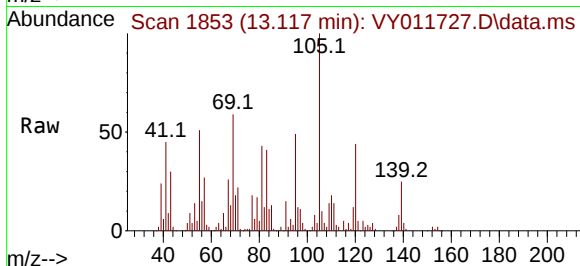
2025

Tgt Ion:105 Resp: 49164

Ion Ratio Lower Upper

105 100

120 45.0 22.3 66.9



#86

p-Isopropyltoluene

Concen: 2.923 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY011727.D

Acq: 07 Dec 2022 12:43

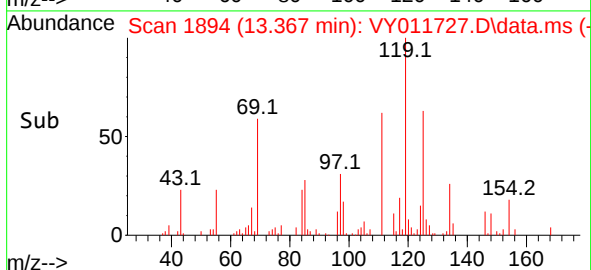
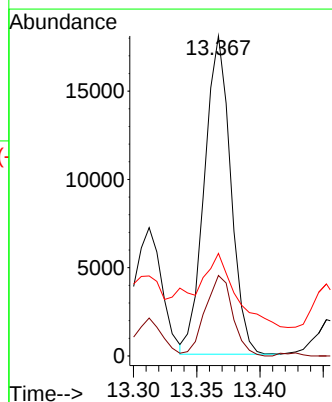
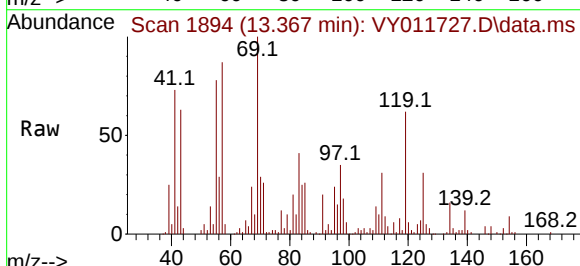
Tgt Ion:119 Resp: 26045

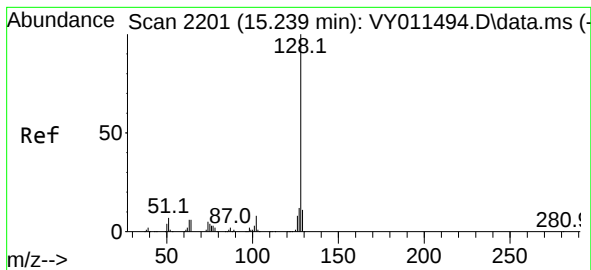
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 26.8 12.4 37.2





#95
Naphthalene
Concen: 12.813 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011727.D
Acq: 07 Dec 2022 12:43

Instrument :
MSVOA_Y
ClientSampleId :
2025

Tgt Ion:128 Resp: 45659
Ion Ratio Lower Upper
128 100
127 22.4 11.0 16.4#
129 11.3 8.4 12.6

