

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019410.D
 Acq On : 30 Aug 2024 20:54
 Operator : SY/MD
 Sample : P3787-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2

Quant Time: Aug 30 23:21:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

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

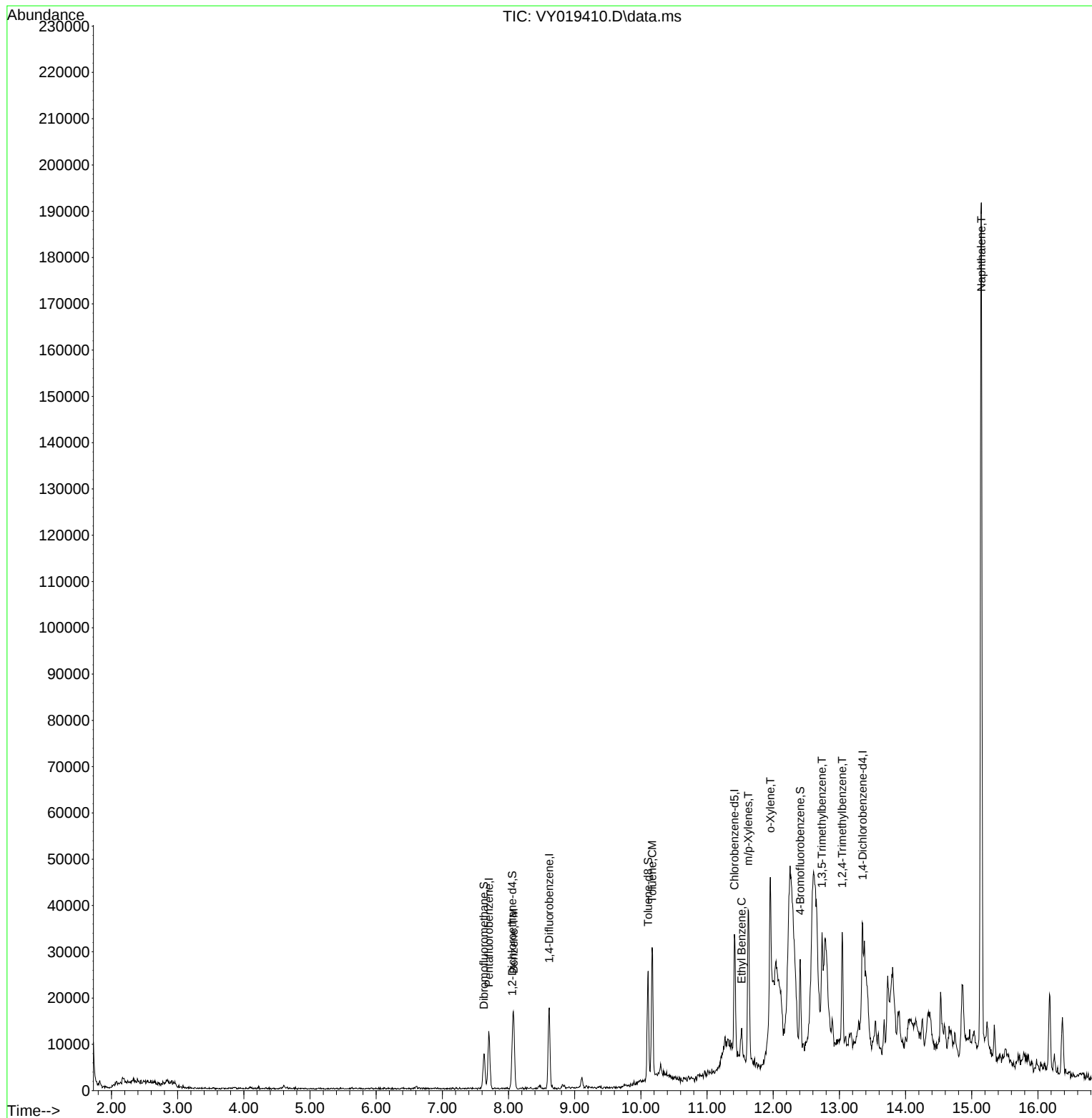
Internal Standards						
1) Pentafluorobenzene	7.701	168	8715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	14506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	5959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	5424	65.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.420%			
35) Dibromofluoromethane	7.628	113	5039	54.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.109	98	14554	43.109	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.220%			
62) 4-Bromofluorobenzene	12.408	95	5427	49.700	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.400%			
Target Compounds					Qvalue	
40) Benzene	8.079	78	13193	33.448	ug/l	92
52) Toluene	10.170	92	11343	43.866	ug/l	95
67) Ethyl Benzene	11.524	91	5250	9.257	ug/l	96
68) m/p-Xylenes	11.621	106	9766	43.519	ug/l	99
69) o-Xylene	11.957	106	7745	37.053	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	6152	16.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	12728	35.412	ug/l	98
95) Naphthalene	15.145	128	149586	978.161	ug/l	99

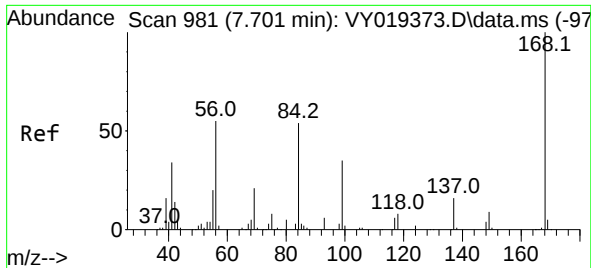
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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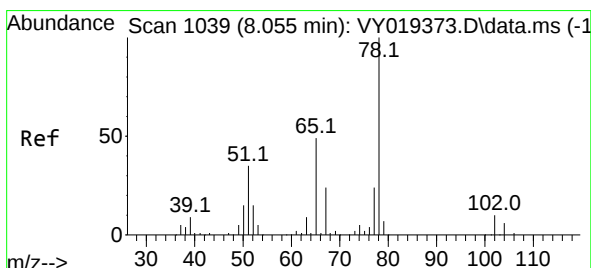
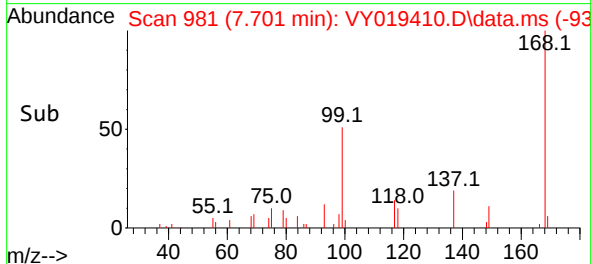
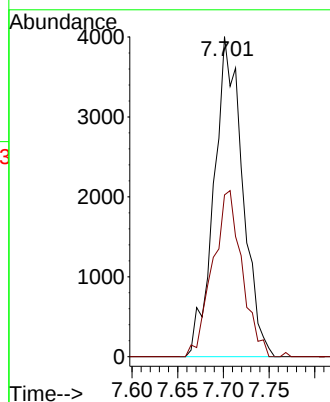
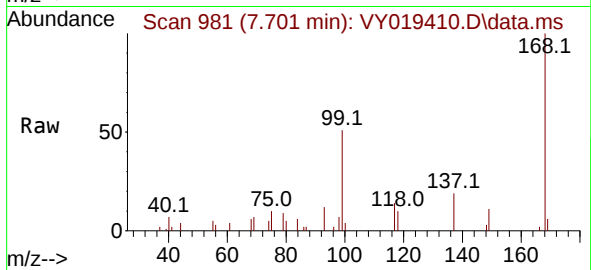




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

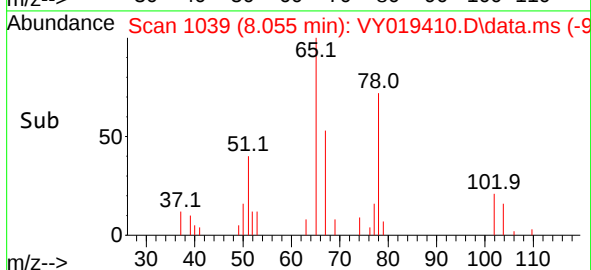
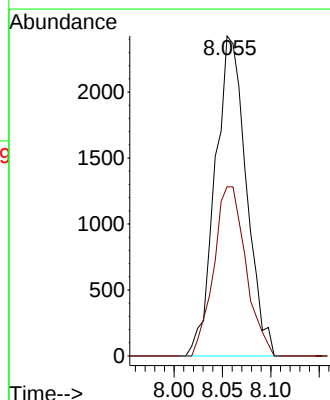
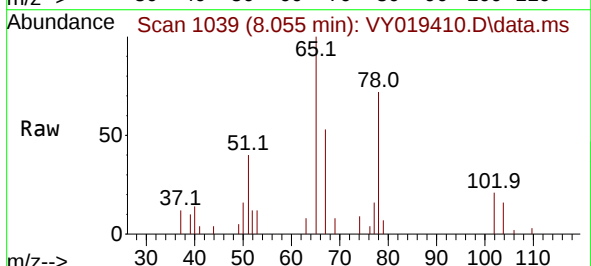
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

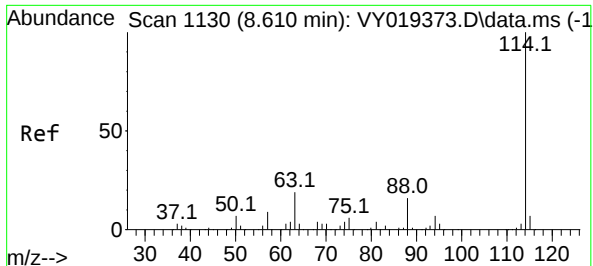
Tgt Ion:168 Resp: 8715
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 65.708 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

Tgt Ion: 65 Resp: 5424
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

Instrument :

MSVOA_Y

ClientSampleId :

SB-2

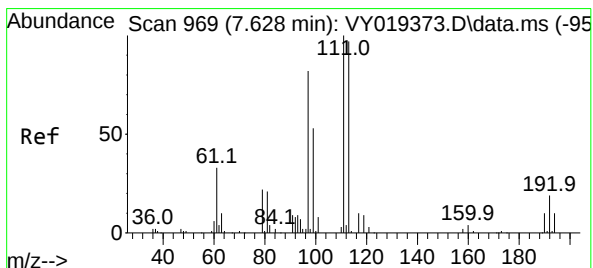
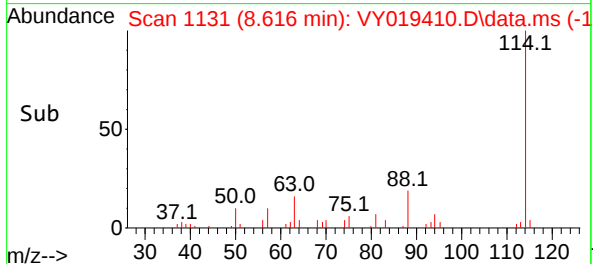
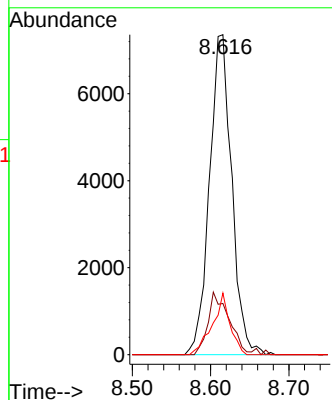
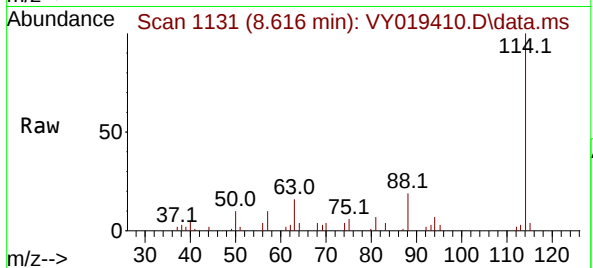
Tgt Ion:114 Resp: 14506

Ion Ratio Lower Upper

114 100

63 16.0 0.0 35.0

88 19.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.944 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

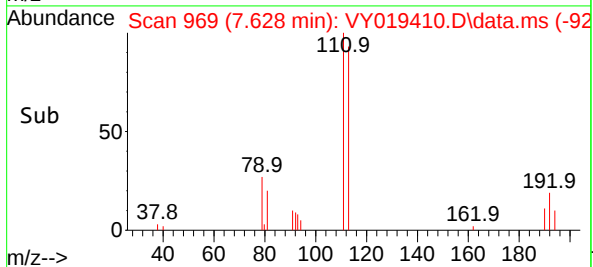
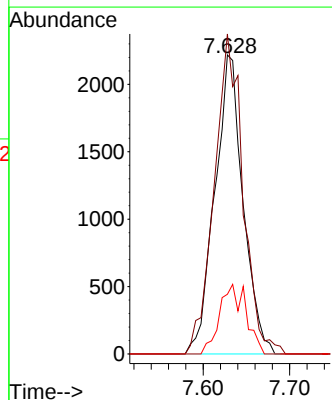
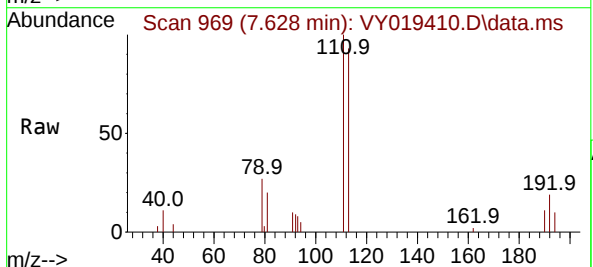
Tgt Ion:113 Resp: 5039

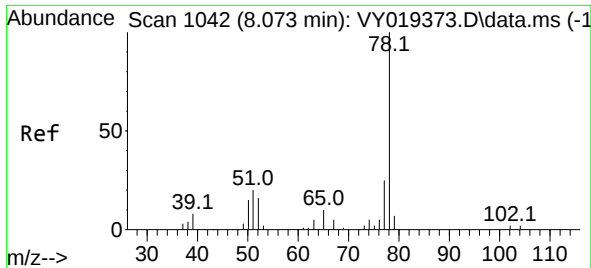
Ion Ratio Lower Upper

113 100

111 108.2 82.2 123.4

192 21.7 15.9 23.9





#40

Benzene

Concen: 33.448 ug/l

RT: 8.079 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

Instrument :

MSVOA_Y

ClientSampleId :

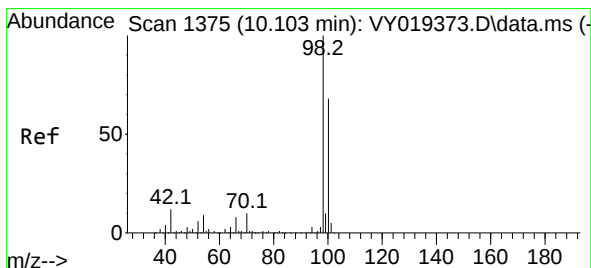
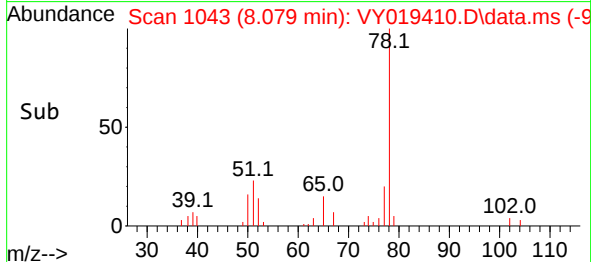
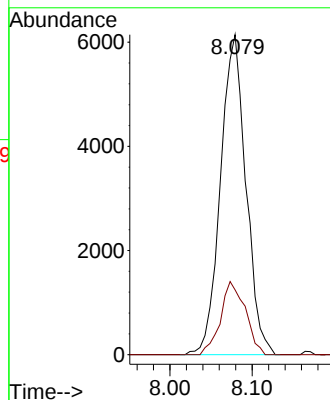
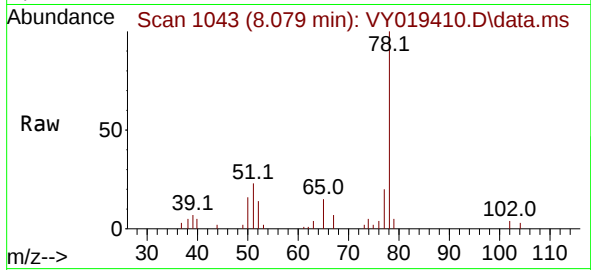
SB-2

Tgt Ion: 78 Resp: 13193

Ion Ratio Lower Upper

78 100

77 20.3 19.5 29.3



#50

Toluene-d8

Concen: 43.109 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY019410.D

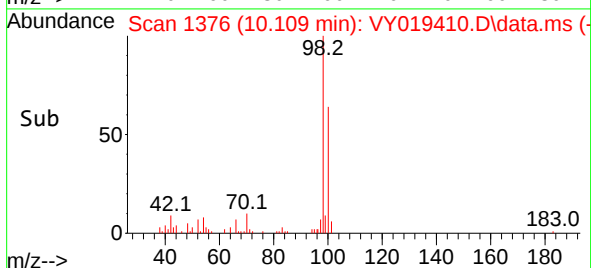
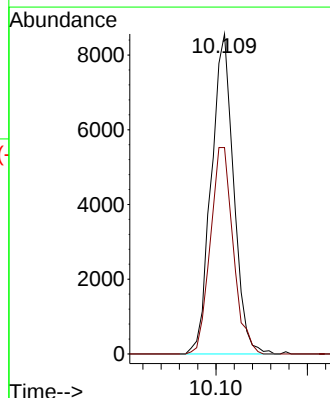
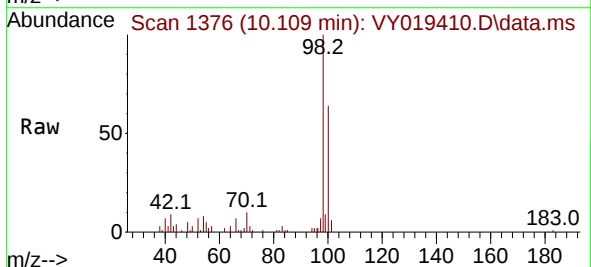
Acq: 30 Aug 2024 20:54

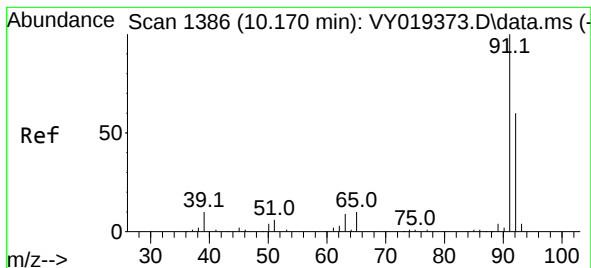
Tgt Ion: 98 Resp: 14554

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0





#52

Toluene

Concen: 43.866 ug/l

RT: 10.170 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

Instrument :

MSVOA_Y

ClientSampleId :

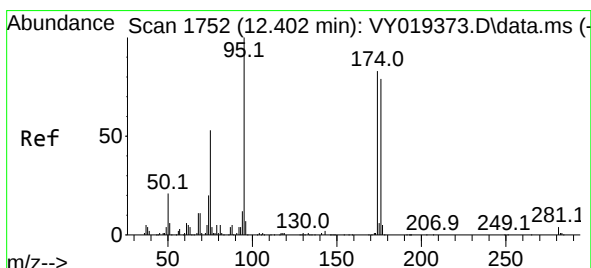
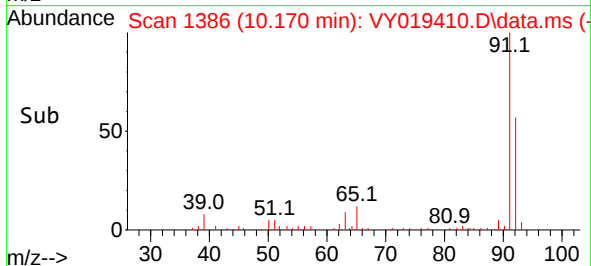
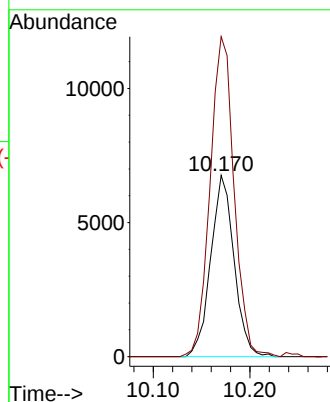
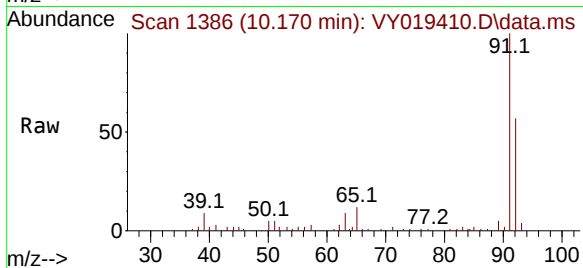
SB-2

Tgt Ion: 92 Resp: 11343

Ion Ratio Lower Upper

92 100

91 181.1 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 49.700 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

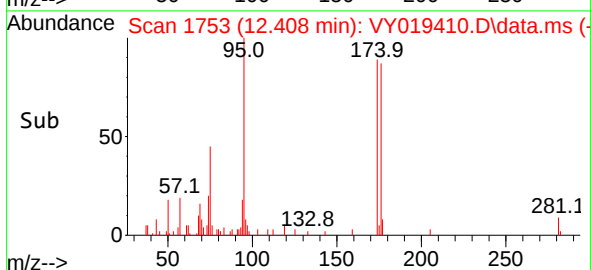
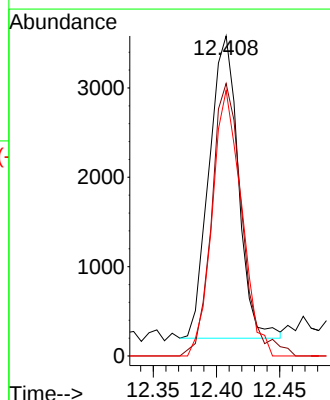
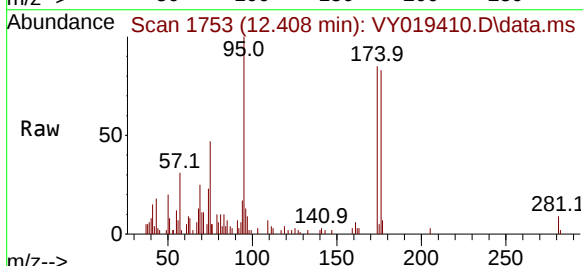
Tgt Ion: 95 Resp: 5427

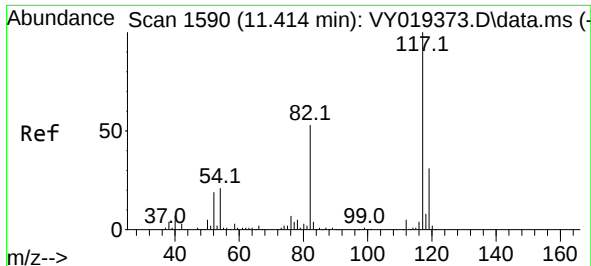
Ion Ratio Lower Upper

95 100

174 93.6 0.0 175.6

176 88.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY019410.D

Acq: 30 Aug 2024 20:54

Instrument :

MSVOA_Y

ClientSampleId :

SB-2

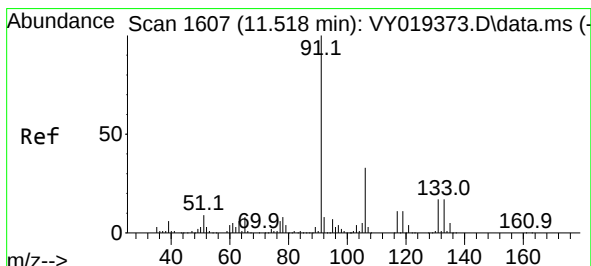
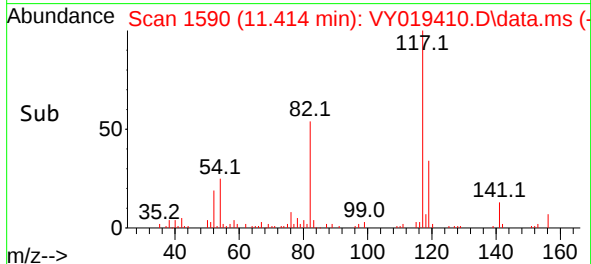
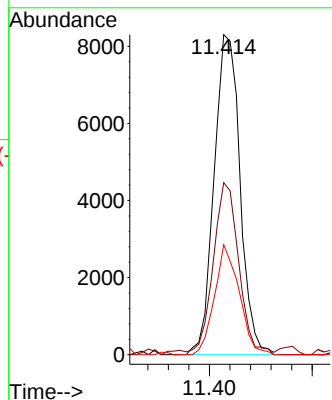
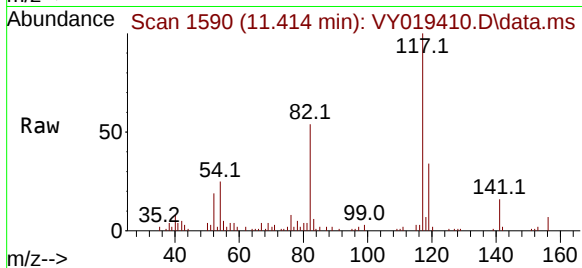
Tgt Ion:117 Resp: 14500

Ion Ratio Lower Upper

117 100

82 52.4 42.4 63.6

119 34.3 25.9 38.9



#67

Ethyl Benzene

Concen: 9.257 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY019410.D

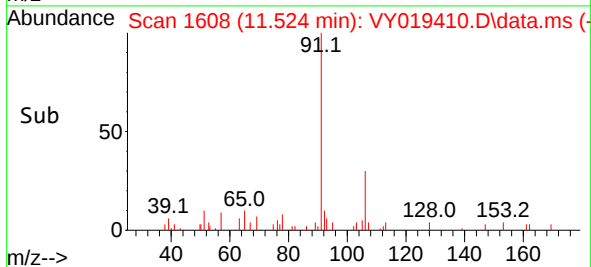
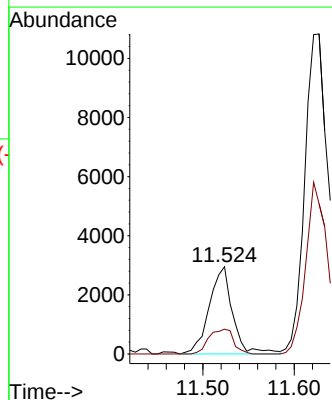
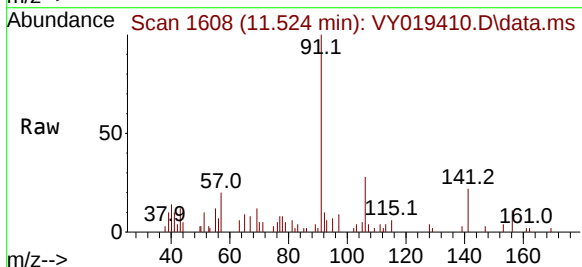
Acq: 30 Aug 2024 20:54

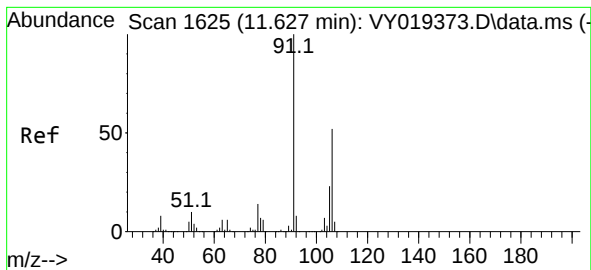
Tgt Ion: 91 Resp: 5250

Ion Ratio Lower Upper

91 100

106 28.4 24.5 36.7

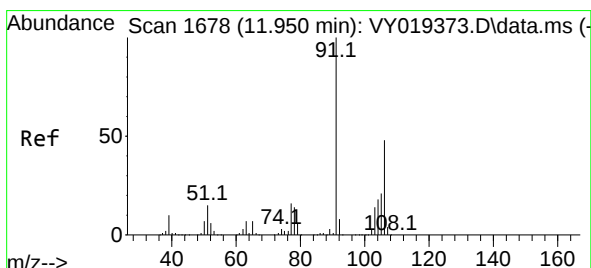
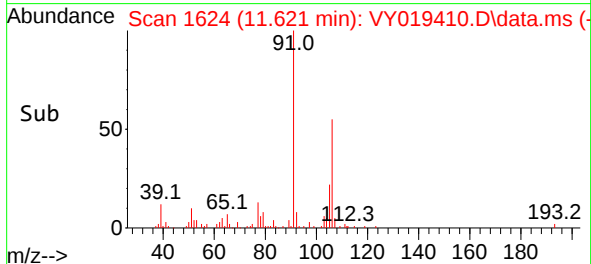
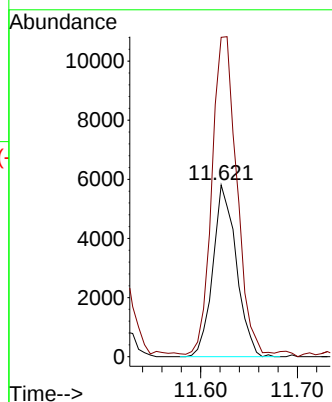
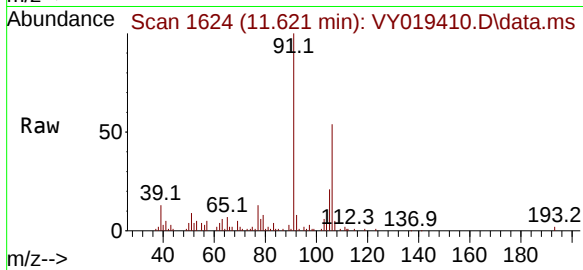




#68
m/p-Xylenes
Concen: 43.519 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

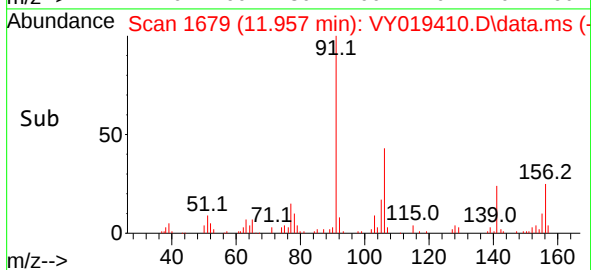
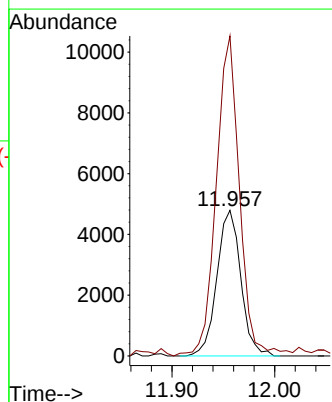
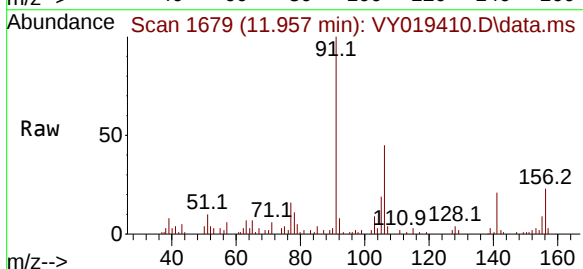
Instrument :
MSVOA_Y
ClientSampleId :
SB-2

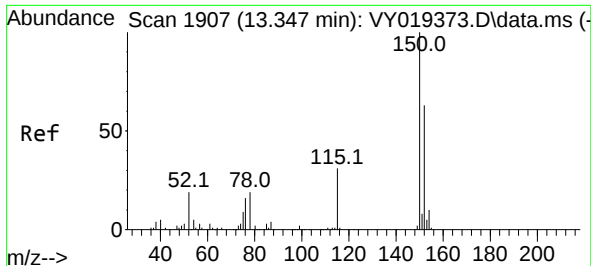
Tgt Ion:106 Resp: 9766
Ion Ratio Lower Upper
106 100
91 196.4 156.0 234.0



#69
o-Xylene
Concen: 37.053 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

Tgt Ion:106 Resp: 7745
Ion Ratio Lower Upper
106 100
91 214.0 103.6 310.8

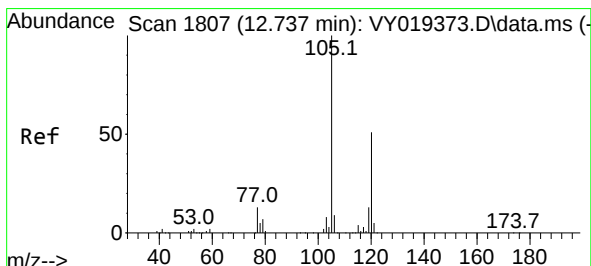
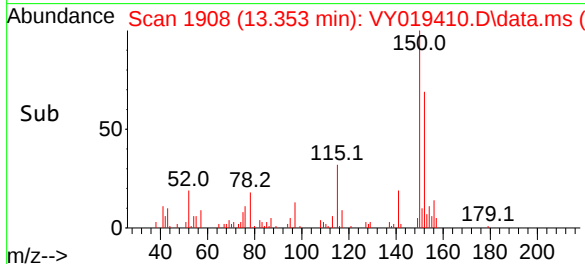
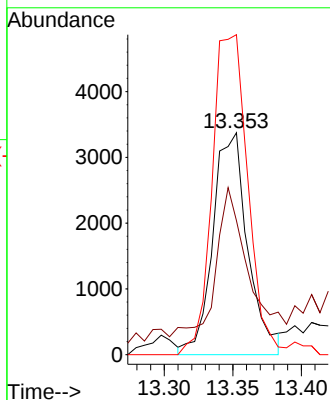
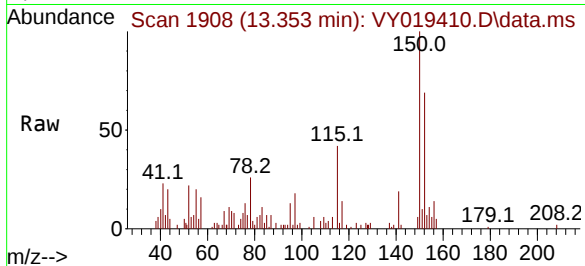




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY019410.D
 Acq: 30 Aug 2024 20:54

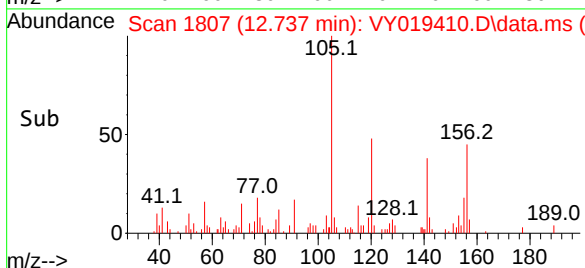
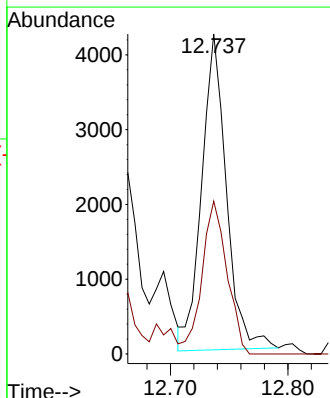
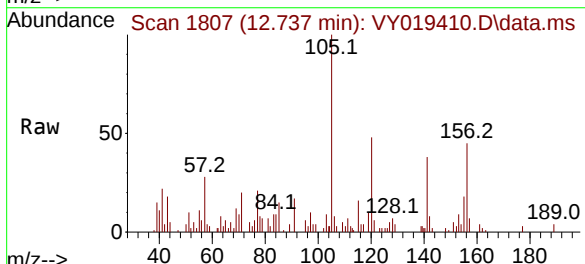
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2

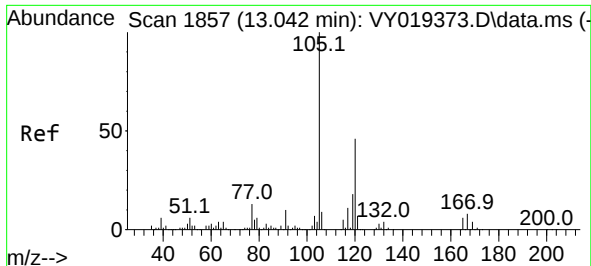
Tgt Ion:152 Resp: 5959
 Ion Ratio Lower Upper
 152 100
 115 84.2 28.2 84.7
 150 147.9 0.0 345.6



#80
 1,3,5-Trimethylbenzene
 Concen: 16.433 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: VY019410.D
 Acq: 30 Aug 2024 20:54

Tgt Ion:105 Resp: 6152
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.1 75.2

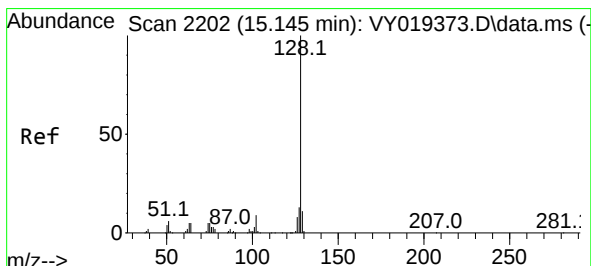
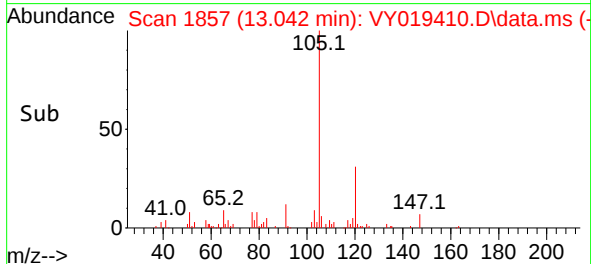
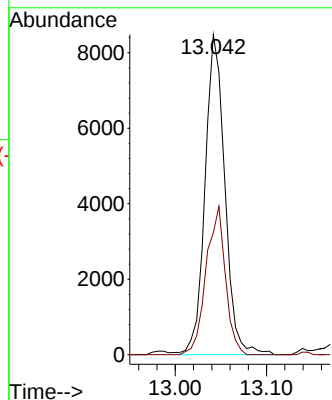
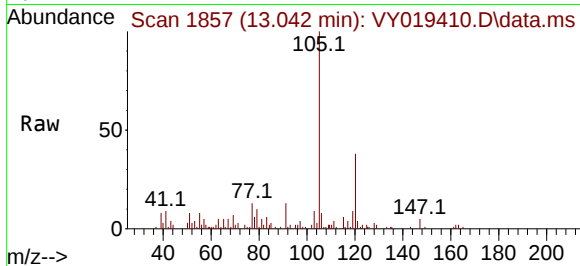




#84
1,2,4-Trimethylbenzene
Concen: 35.412 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-2

Tgt Ion:105 Resp: 12728
Ion Ratio Lower Upper
105 100
120 45.2 23.2 69.6



#95
Naphthalene
Concen: 978.161 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY019410.D
Acq: 30 Aug 2024 20:54

Tgt Ion:128 Resp: 149586
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.2 8.6 13.0

