

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019409.D
 Acq On : 30 Aug 2024 20:30
 Operator : SY/MD
 Sample : P3787-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Aug 30 23:20:43 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)

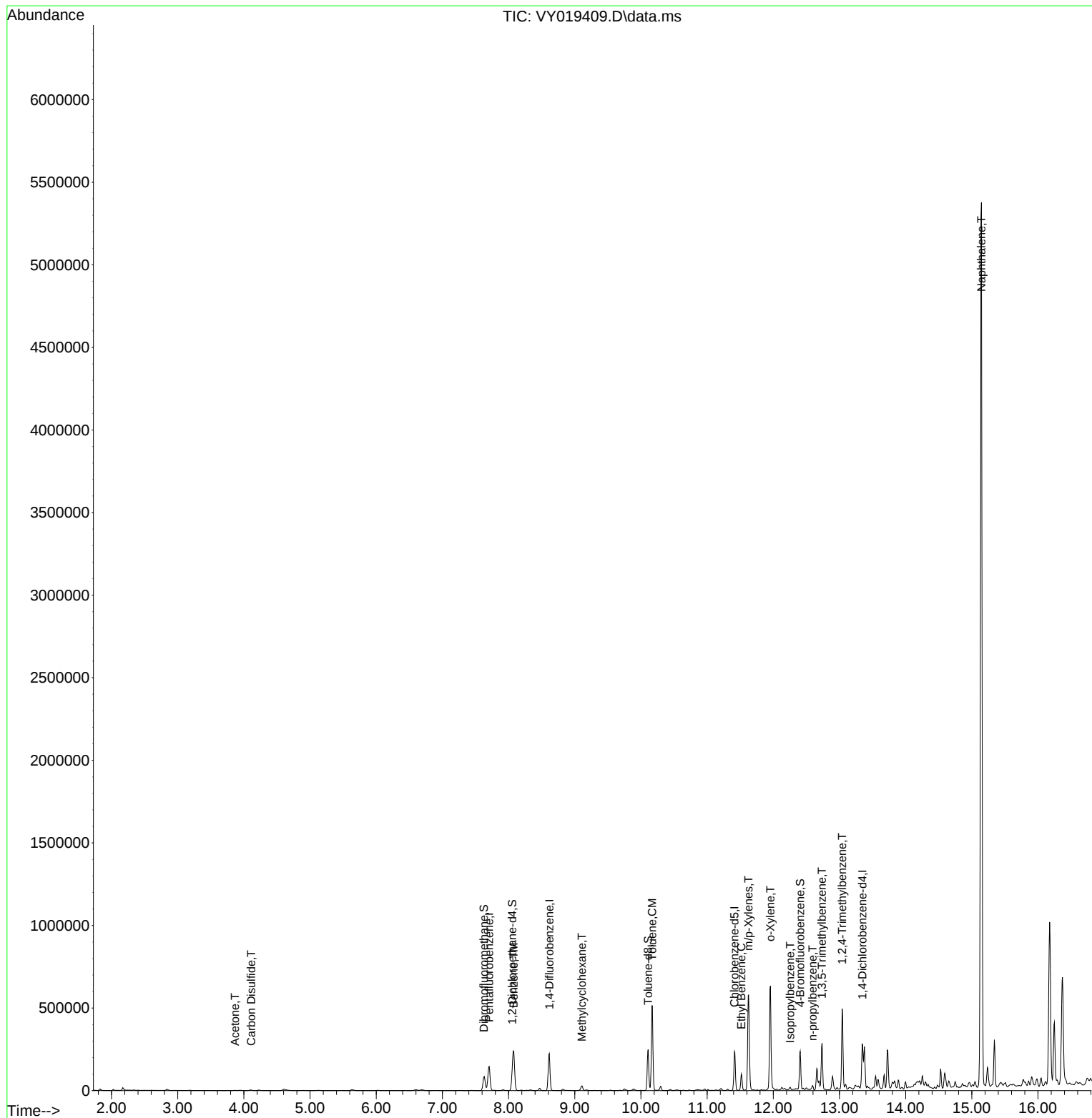
Internal Standards						
1) Pentafluorobenzene	7.707	168	108961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	197328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	128256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	64571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	57673	55.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.760%
35) Dibromofluoromethane	7.628	113	60775	48.714	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.109	98	146895	31.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	63.980%
62) 4-Bromofluorobenzene	12.407	95	68693	46.245	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	92.480%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2122	10.454	ug/l #	79
17) Carbon Disulfide	4.110	76	7279	2.482	ug/l #	92
39) Methylcyclohexane	9.109	83	12097	5.351	ug/l	96
40) Benzene	8.079	78	206348	38.458	ug/l	97
52) Toluene	10.170	92	203932	57.976	ug/l	97
67) Ethyl Benzene	11.517	91	65218	13.000	ug/l	96
68) m/p-Xylenes	11.627	106	175616	88.474	ug/l	100
69) o-Xylene	11.956	106	164878	89.178	ug/l	99
73) Isopropylbenzene	12.255	105	10714	2.081	ug/l	100
78) n-propylbenzene	12.596	91	20448	3.287	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	120522	29.710	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	254175	65.262	ug/l	99
95) Naphthalene	15.145	128	4249992	2564.739	ug/l	99

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

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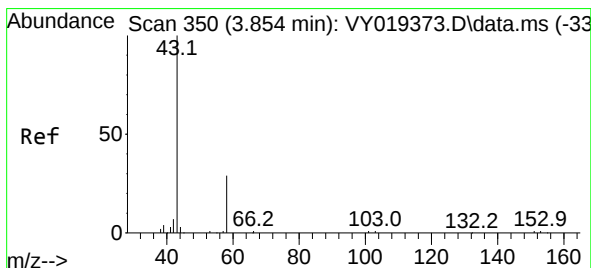
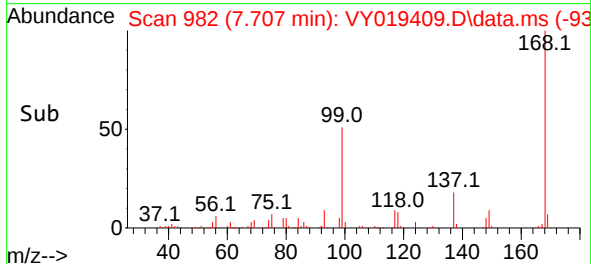
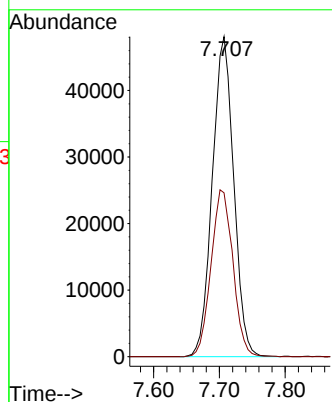
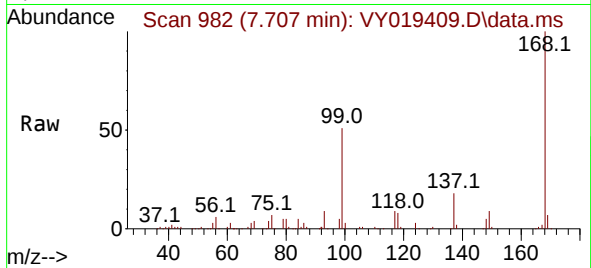




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

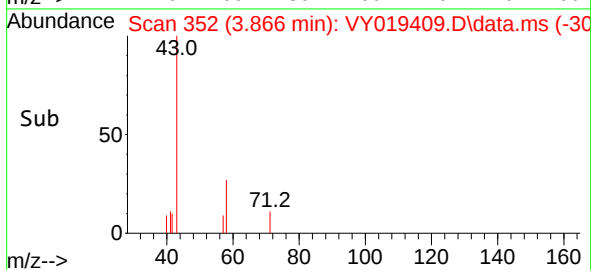
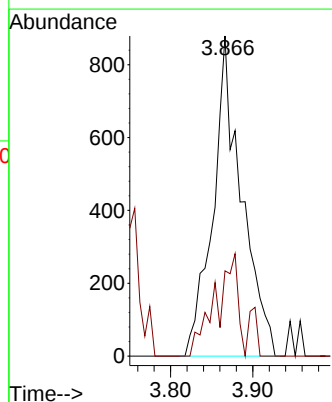
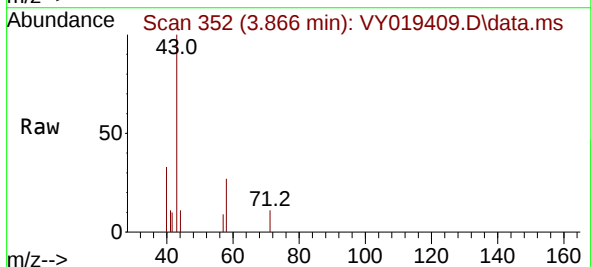
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

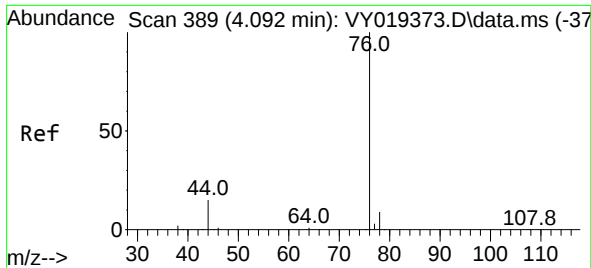
Tgt Ion:168 Resp: 108961
Ion Ratio Lower Upper
168 100
99 51.2 39.1 58.7



#16
Acetone
Concen: 10.454 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 26.6 31.7 47.5#





#17

Carbon Disulfide

Concen: 2.482 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.018 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

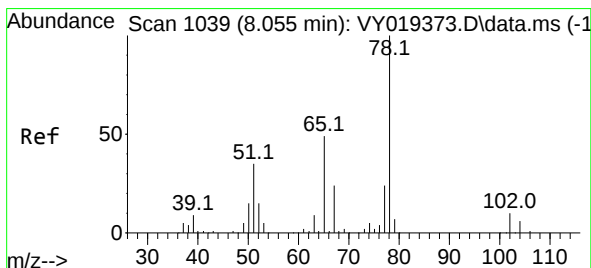
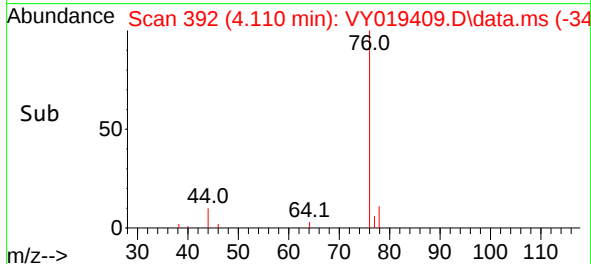
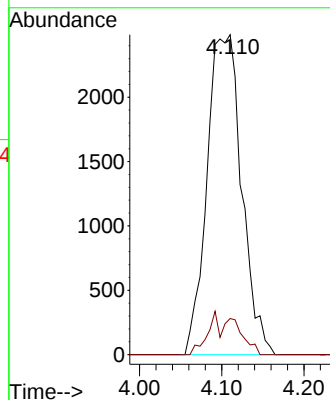
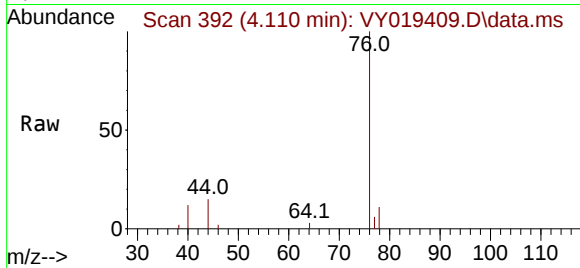
SB-1

Tgt Ion: 76 Resp: 7279

Ion Ratio Lower Upper

76 100

78 11.3 6.8 10.2#



#33

1,2-Dichloroethane-d4

Concen: 55.882 ug/l

RT: 8.054 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY019409.D

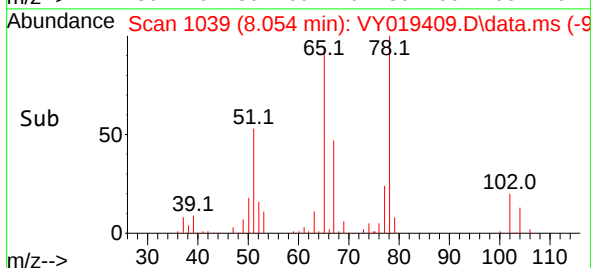
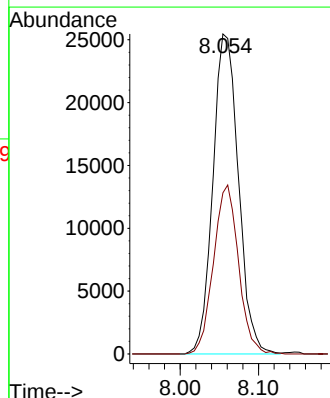
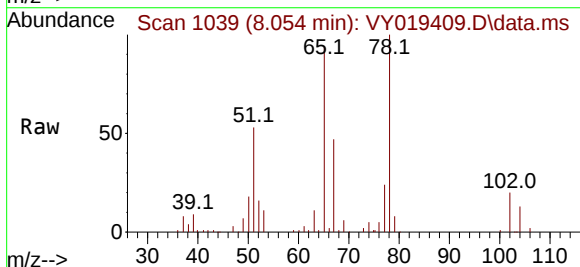
Acq: 30 Aug 2024 20:30

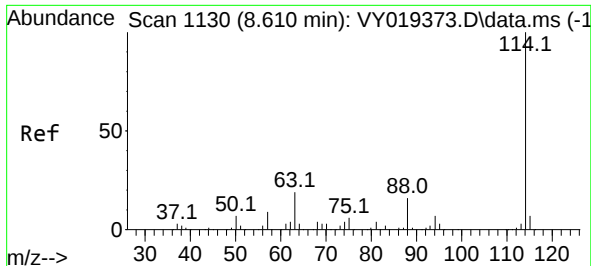
Tgt Ion: 65 Resp: 57673

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

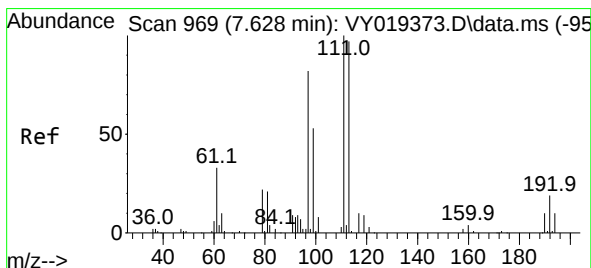
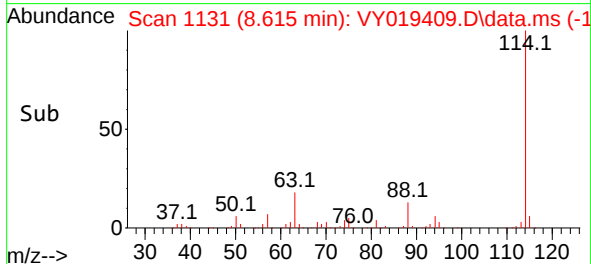
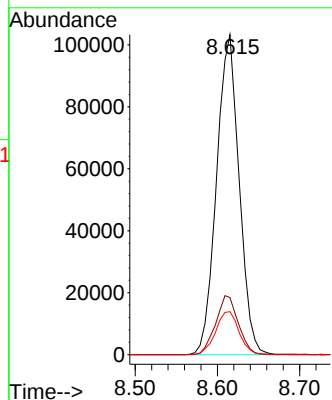
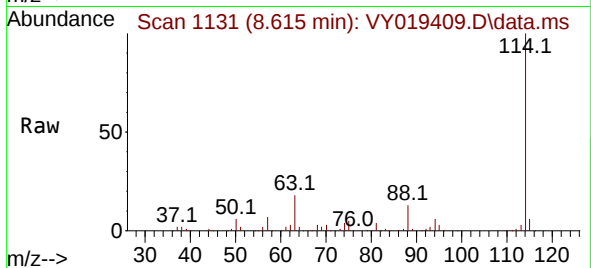
Tgt Ion:114 Resp: 197328

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.714 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

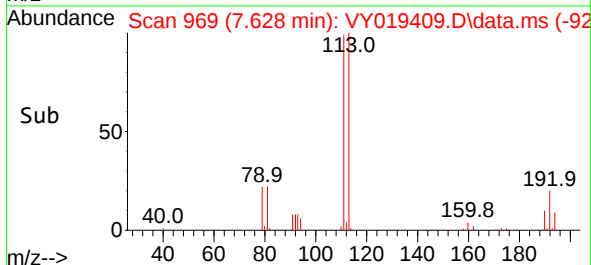
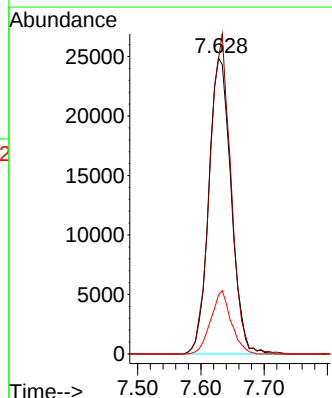
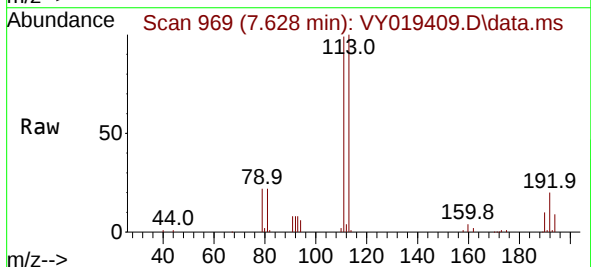
Tgt Ion:113 Resp: 60775

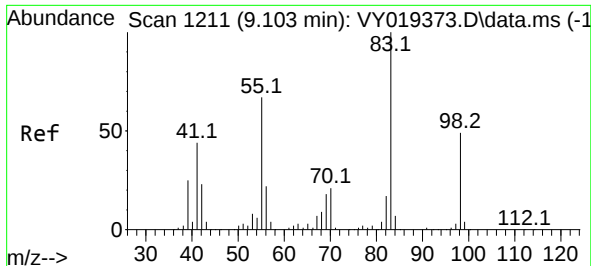
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 19.6 15.9 23.9





#39

Methylcyclohexane

Concen: 5.351 ug/l

RT: 9.109 min Scan# 1211

Delta R.T. 0.006 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

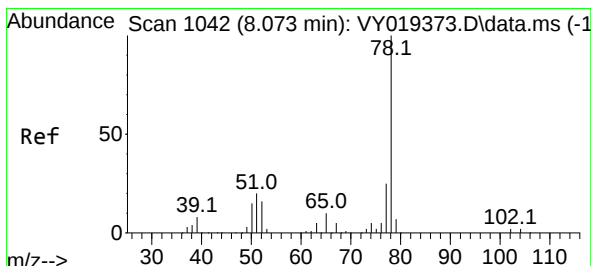
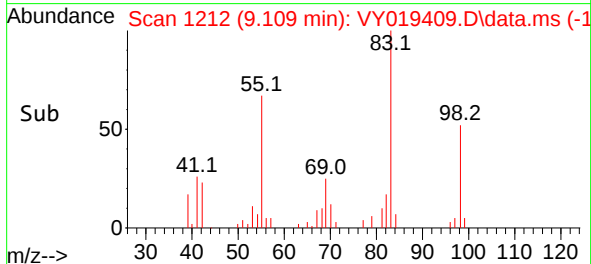
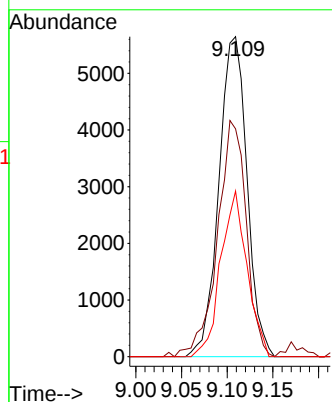
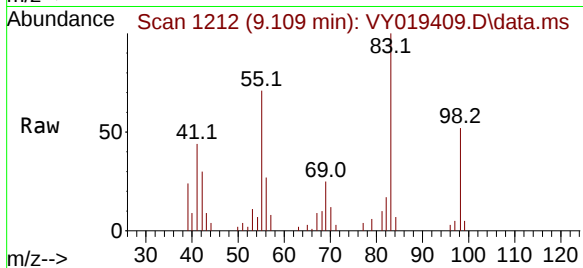
Tgt Ion: 83 Resp: 12097

Ion Ratio Lower Upper

83 100

55 69.6 51.5 77.3

98 51.8 40.5 60.7



#40

Benzene

Concen: 38.458 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY019409.D

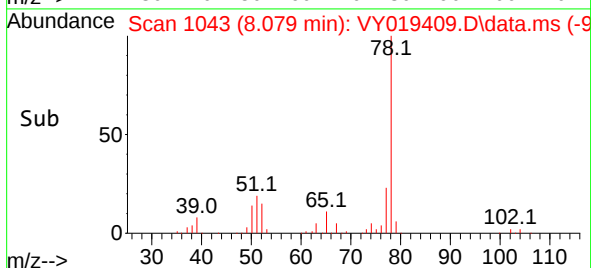
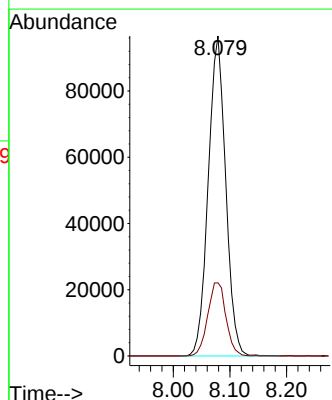
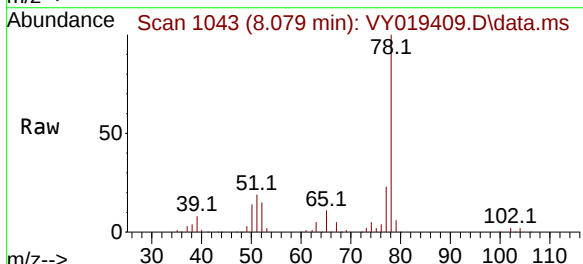
Acq: 30 Aug 2024 20:30

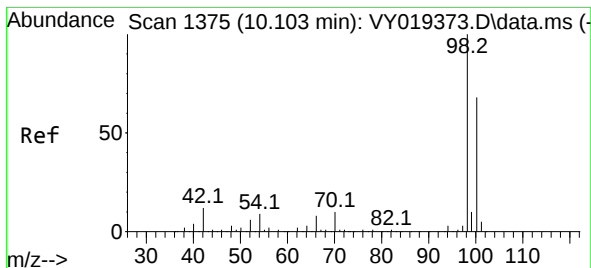
Tgt Ion: 78 Resp: 206348

Ion Ratio Lower Upper

78 100

77 22.9 19.5 29.3





#50

Toluene-d8

Concen: 31.985 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

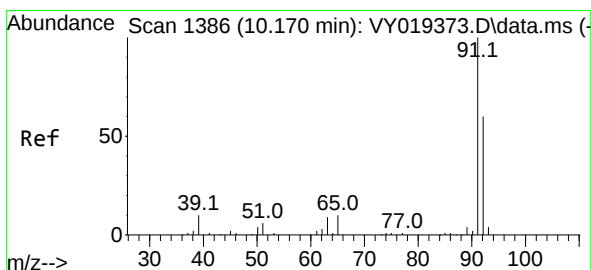
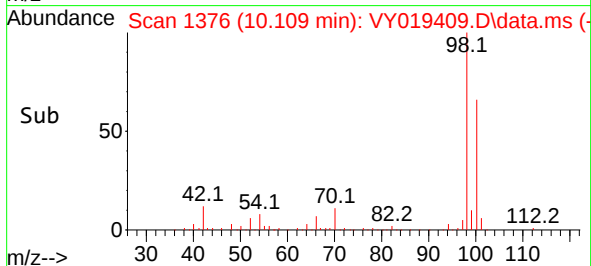
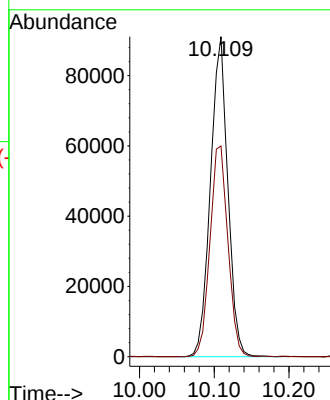
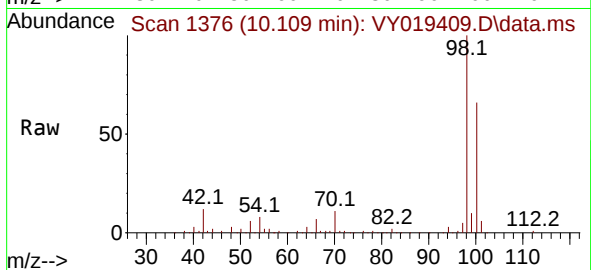
SB-1

Tgt Ion: 98 Resp: 146895

Ion Ratio Lower Upper

98 100

100 68.0 52.0 78.0



#52

Toluene

Concen: 57.976 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY019409.D

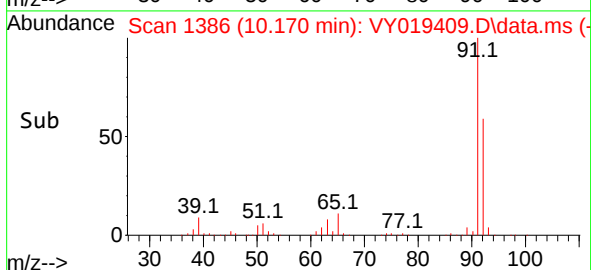
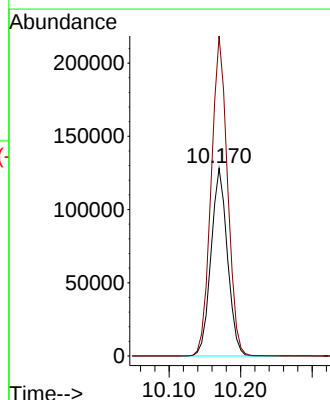
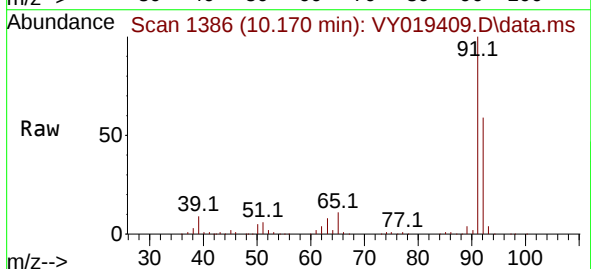
Acq: 30 Aug 2024 20:30

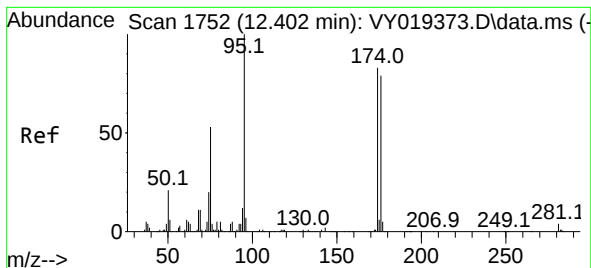
Tgt Ion: 92 Resp: 203932

Ion Ratio Lower Upper

92 100

91 170.2 139.0 208.6

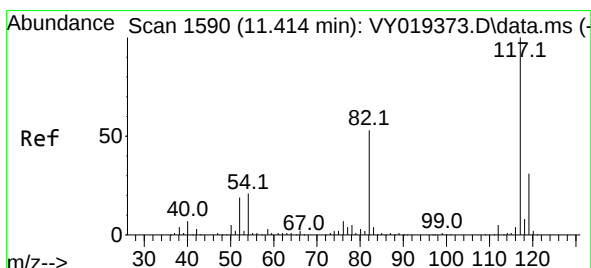
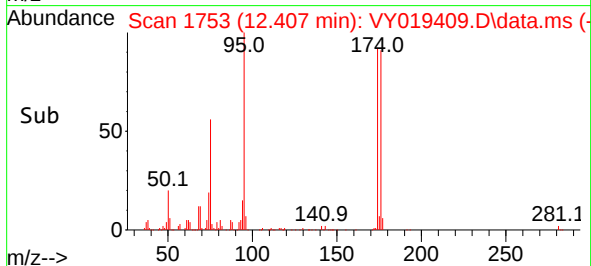
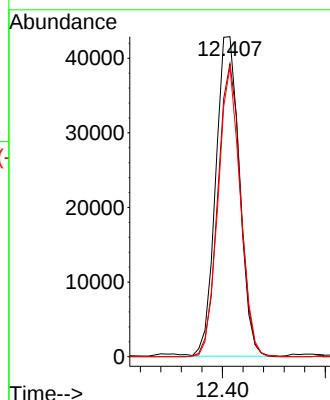
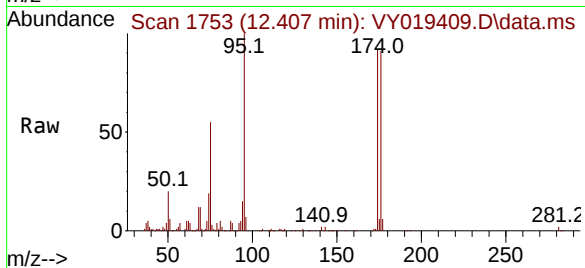




#62
4-Bromofluorobenzene
Concen: 46.245 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

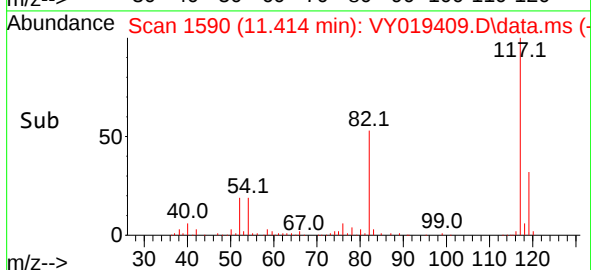
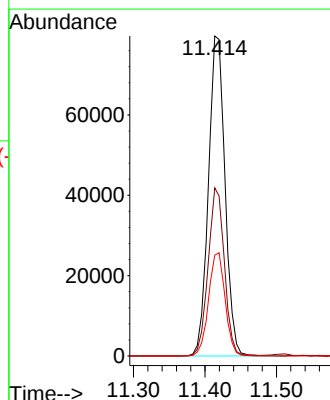
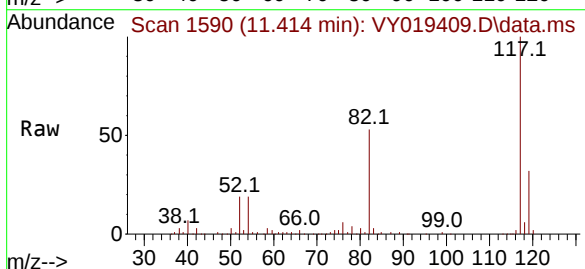
Instrument :
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SB-1

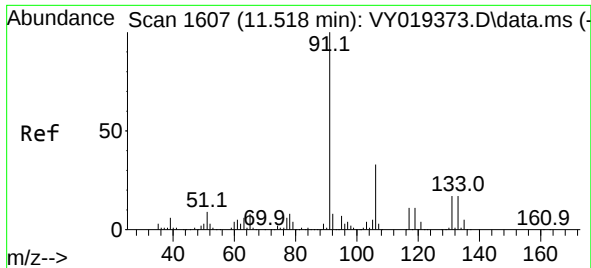
Tgt Ion: 95 Resp: 68693
Ion Ratio Lower Upper
95 100
174 87.6 0.0 175.6
176 84.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

Tgt Ion: 117 Resp: 128256
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 31.5 25.9 38.9





#67

Ethyl Benzene

Concen: 13.000 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

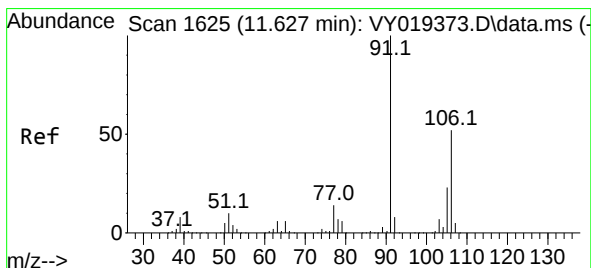
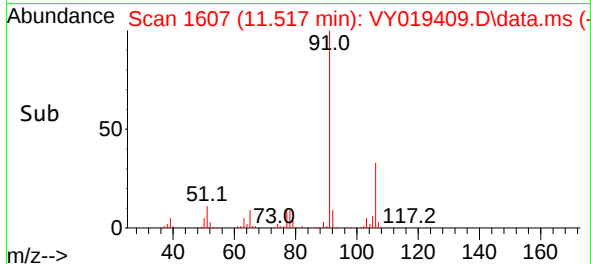
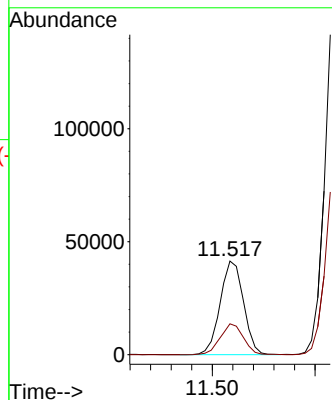
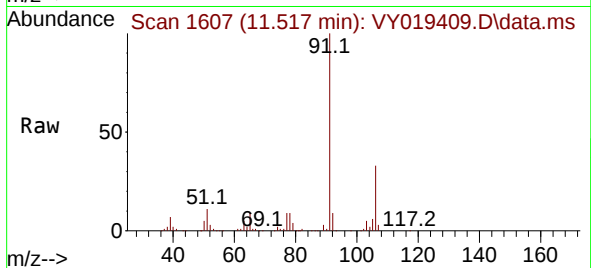
SB-1

Tgt Ion: 91 Resp: 65218

Ion Ratio Lower Upper

91 100

106 33.1 24.5 36.7



#68

m/p-Xylenes

Concen: 88.474 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.000 min

Lab File: VY019409.D

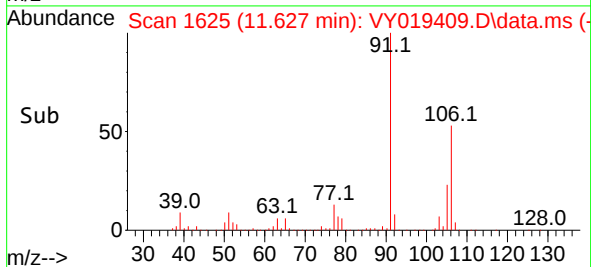
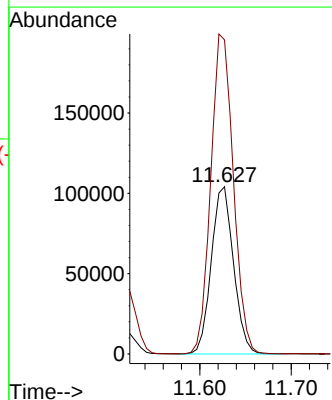
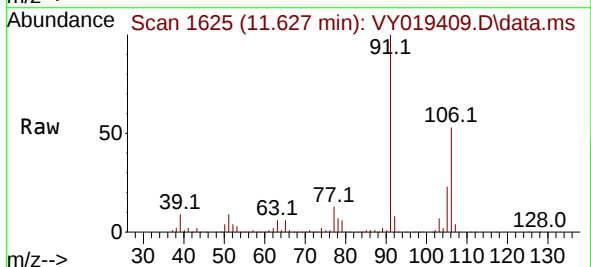
Acq: 30 Aug 2024 20:30

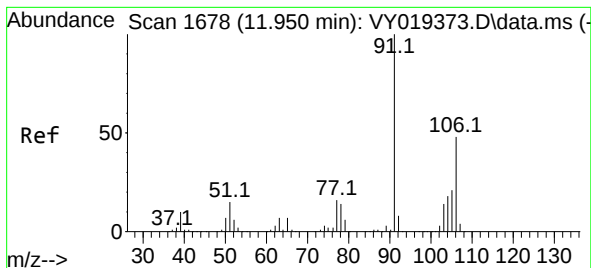
Tgt Ion: 106 Resp: 175616

Ion Ratio Lower Upper

106 100

91 194.5 156.0 234.0





#69

o-Xylene

Concen: 89.178 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

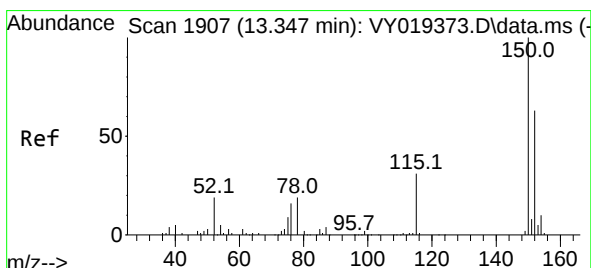
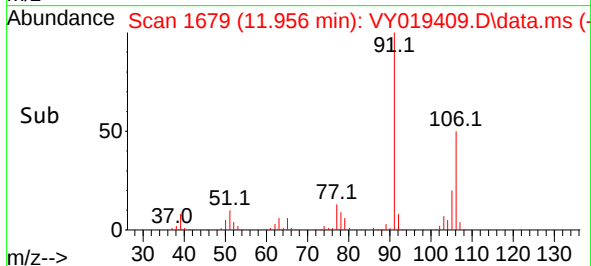
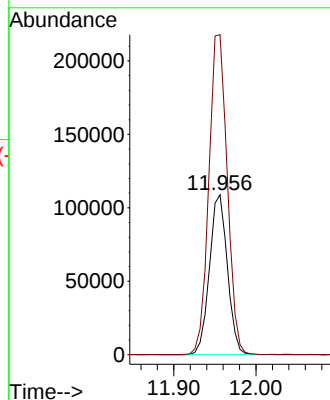
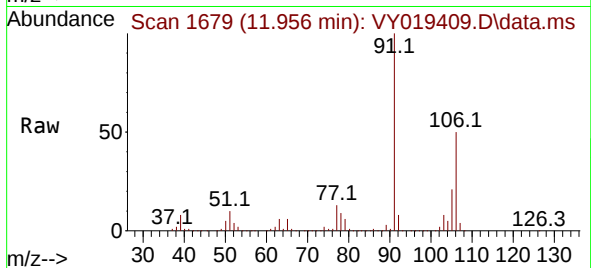
SB-1

Tgt Ion:106 Resp: 164878

Ion Ratio Lower Upper

106 100

91 205.6 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

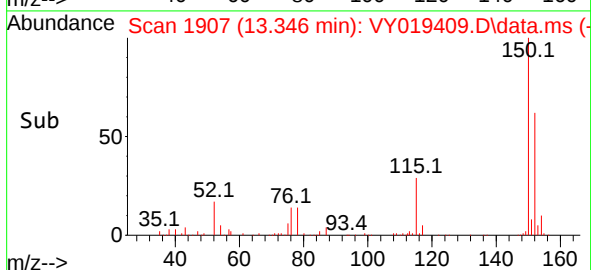
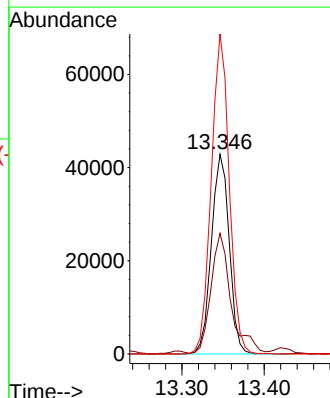
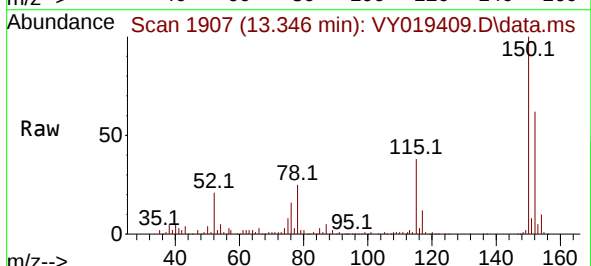
Tgt Ion:152 Resp: 64571

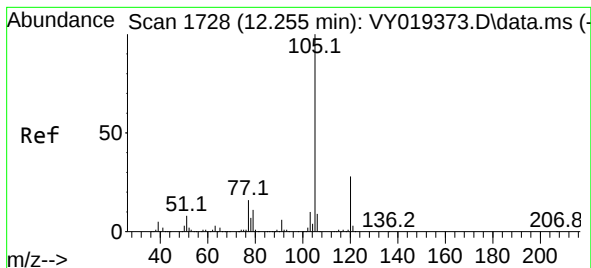
Ion Ratio Lower Upper

152 100

115 67.5 28.2 84.7

150 161.3 0.0 345.6





#73

Isopropylbenzene

Concen: 2.081 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY019409.D

Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

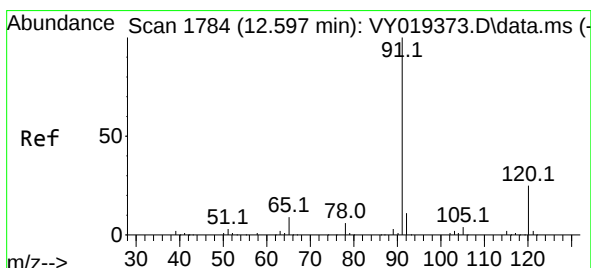
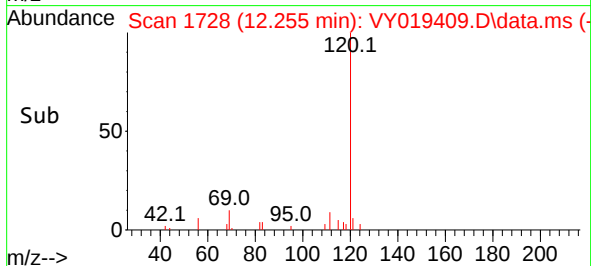
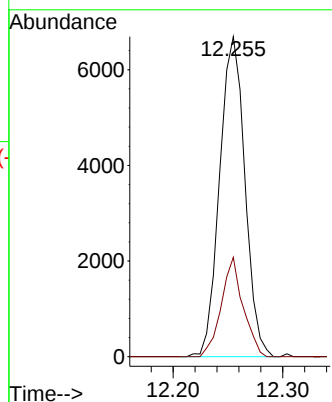
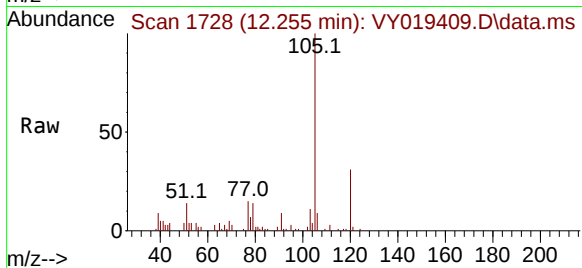
SB-1

Tgt Ion:105 Resp: 10714

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#78

n-propylbenzene

Concen: 3.287 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY019409.D

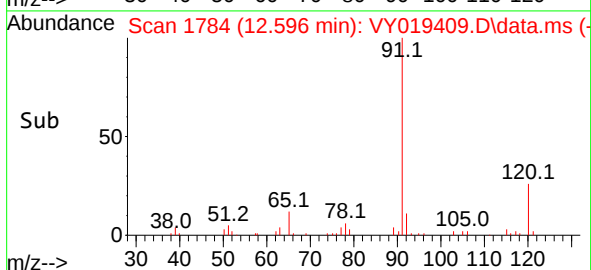
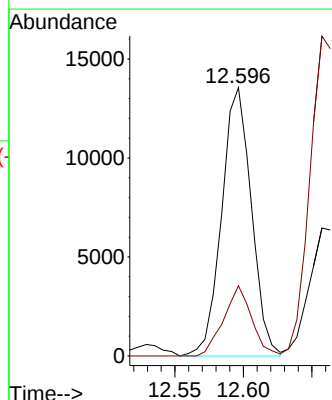
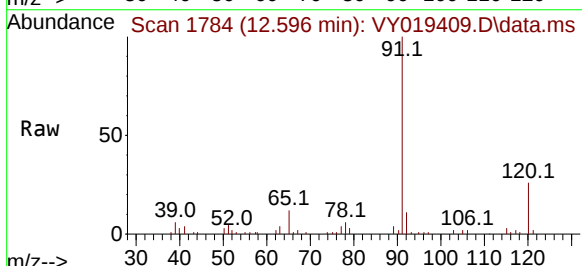
Acq: 30 Aug 2024 20:30

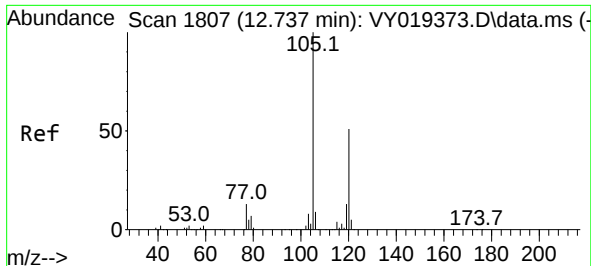
Tgt Ion: 91 Resp: 20448

Ion Ratio Lower Upper

91 100

120 24.8 11.5 34.4

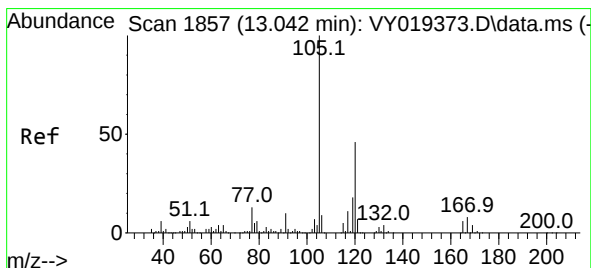
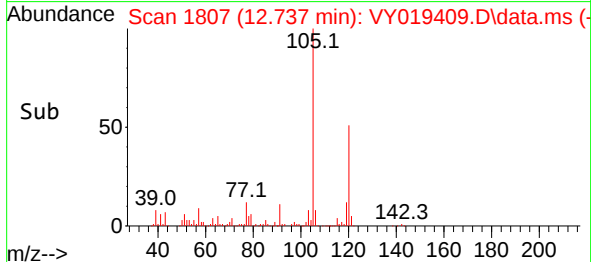
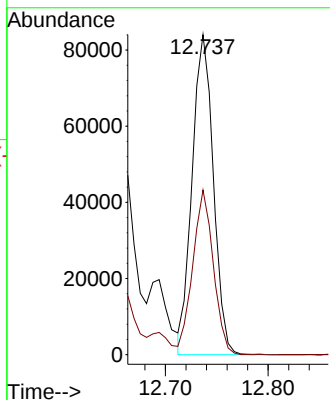
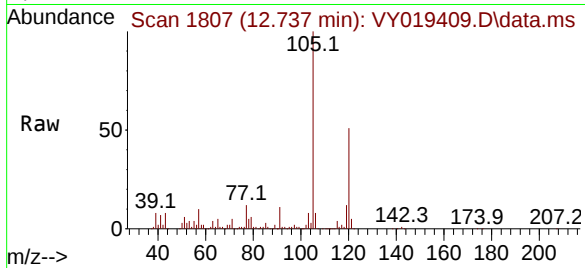




#80
1,3,5-Trimethylbenzene
Concen: 29.710 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

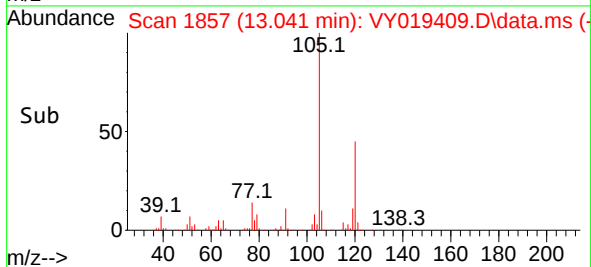
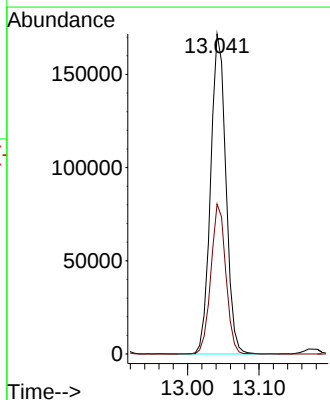
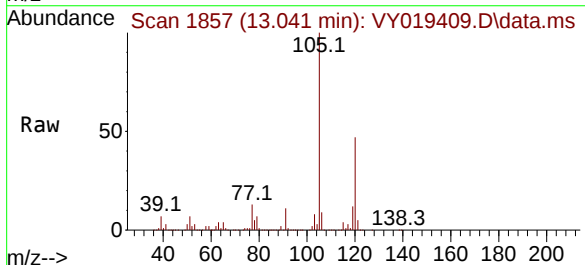
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

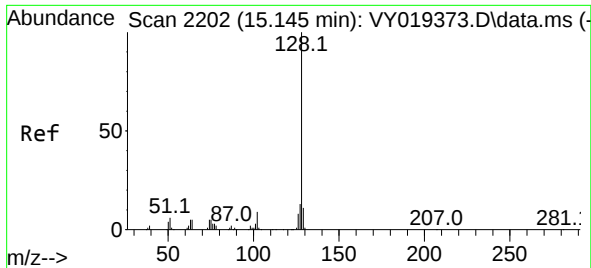
Tgt Ion:105 Resp: 120522
Ion Ratio Lower Upper
105 100
120 50.0 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 65.262 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY019409.D
Acq: 30 Aug 2024 20:30

Tgt Ion:105 Resp: 254175
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.6





#95

Naphthalene

Concen: 2564.739 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY019409.D

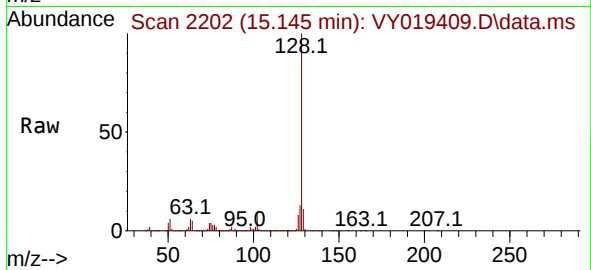
Acq: 30 Aug 2024 20:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-1



Tgt Ion:128 Resp: 4249992

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.6	13.0

128 100

127 13.1 10.6 16.0

129 11.2 8.6 13.0

