

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015817.D
 Acq On : 03 Oct 2023 19:40
 Operator : SY/MD
 Sample : 04704-05
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-104-1(5-10)

Quant Time: Oct 04 01:15:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

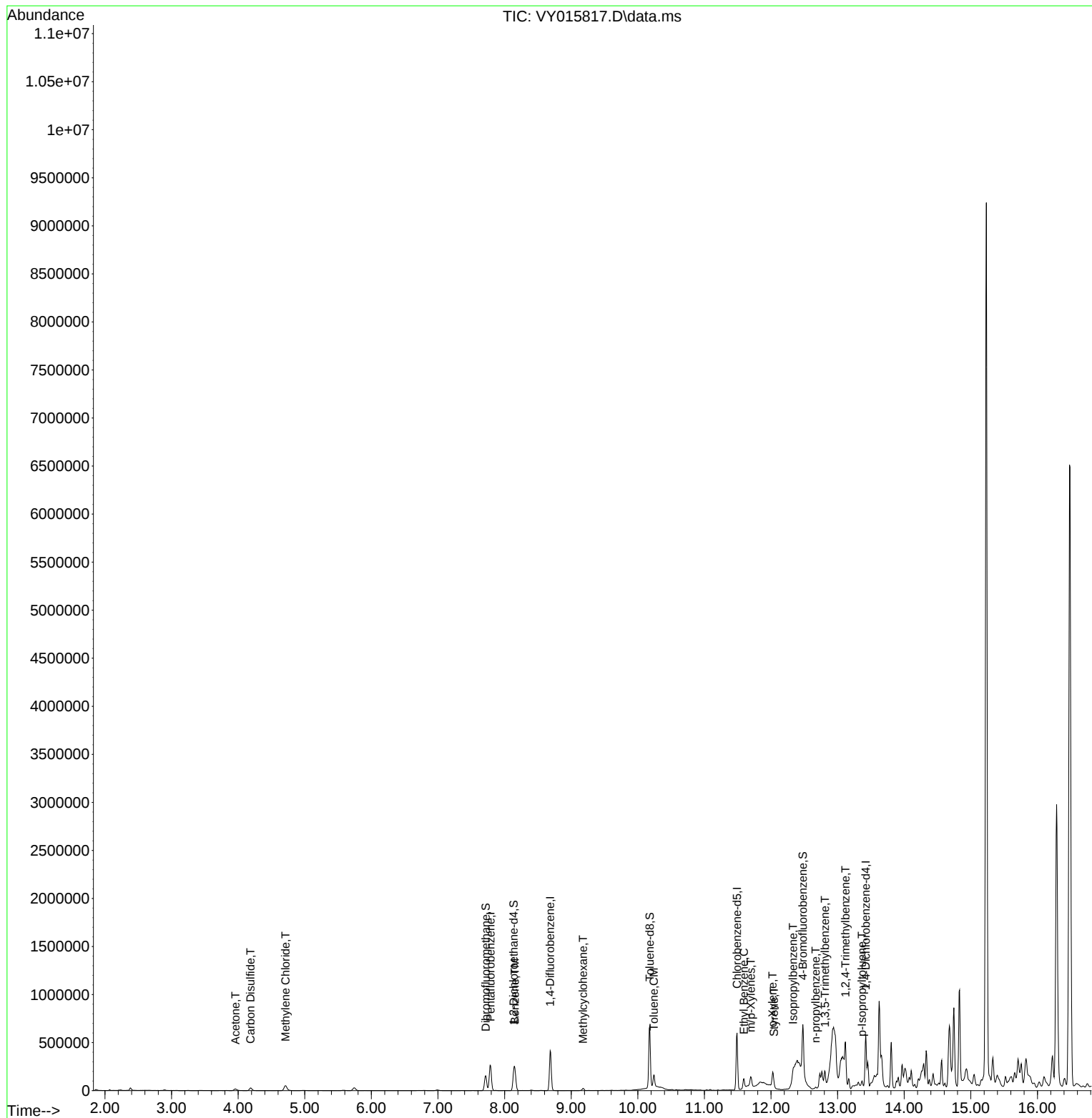
Internal Standards						
1) Pentafluorobenzene	7.789	168	207750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	324724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130183	56.952	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.900%			
35) Dibromofluoromethane	7.716	113	111513	51.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.700%			
50) Toluene-d8	10.179	98	422592	57.950	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.900%			
62) 4-Bromofluorobenzene	12.477	95	144744	50.578	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.160%			
Target Compounds					Qvalue	
16) Acetone	3.960	43	36245	29.629	ug/l #	87
17) Carbon Disulfide	4.186	76	58320	16.425	ug/l	99
20) Methylene Chloride	4.710	84	39539	10.982	ug/l	89
39) Methylcyclohexane	9.179	83	9849	2.800	ug/l	97
40) Benzene	8.155	78	148796	15.343	ug/l	98
52) Toluene	10.240	92	52582	8.410	ug/l	95
67) Ethyl Benzene	11.593	91	68196	5.505	ug/l	98
68) m/p-Xylenes	11.697	106	32198	6.838	ug/l	95
69) o-Xylene	12.026	106	36867	7.984	ug/l	98
70) Styrene	12.044	104	21078	2.667	ug/l #	79
73) Isopropylbenzene	12.331	105	19400	1.732	ug/l	99
78) n-propylbenzene	12.672	91	13823	1.016	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	67698	7.219	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	185228	19.742	ug/l	98
86) p-Isopropyltoluene	13.367	119	25196	2.454	ug/l	95

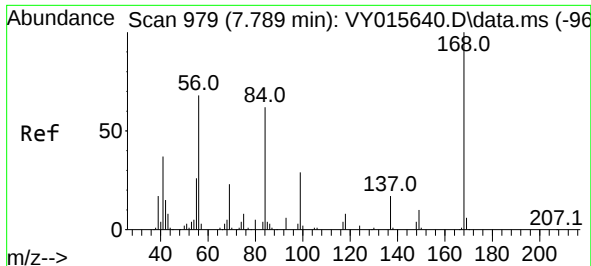
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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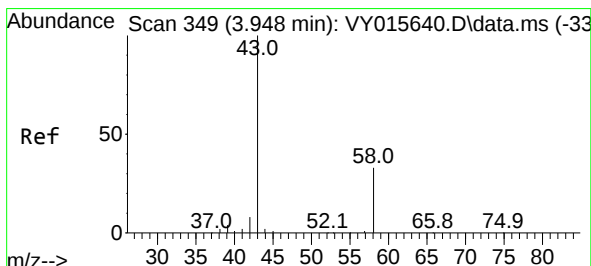
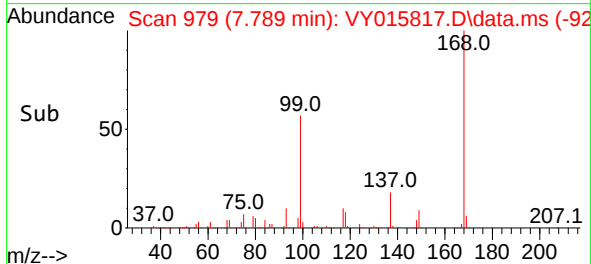
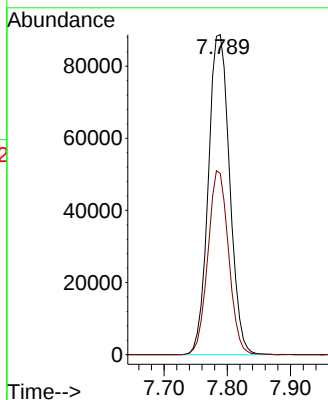
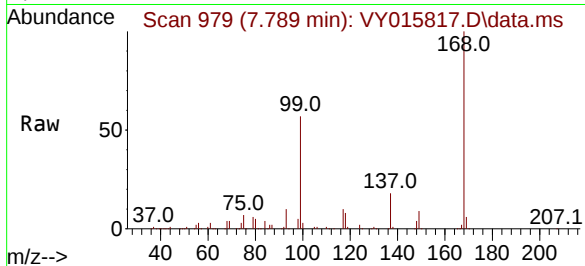




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

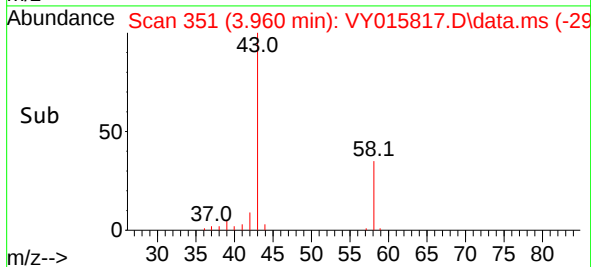
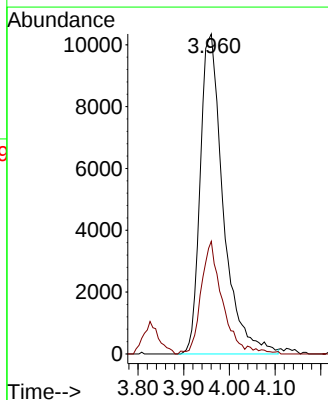
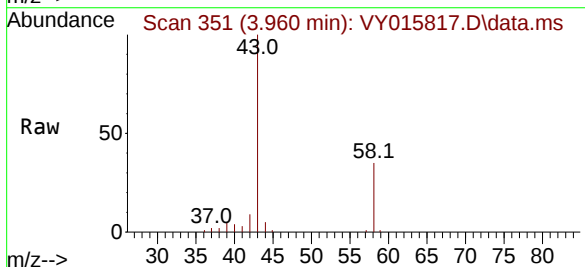
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

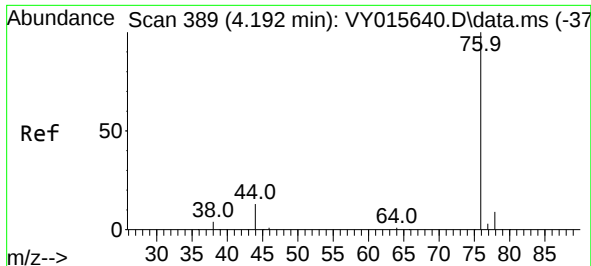
Tgt Ion:168 Resp: 207750
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#16
Acetone
Concen: 29.629 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion: 43 Resp: 36245
Ion Ratio Lower Upper
43 100
58 35.2 22.7 34.1#

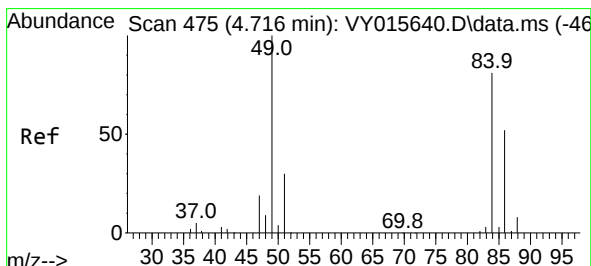
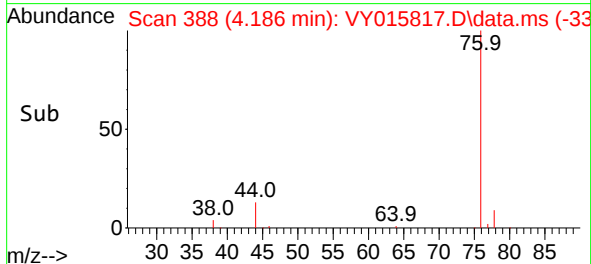
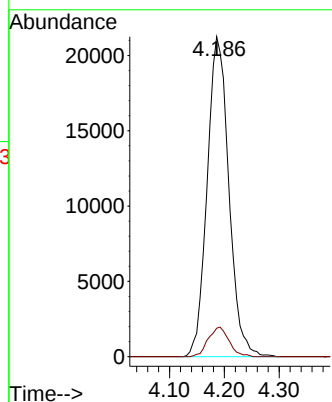
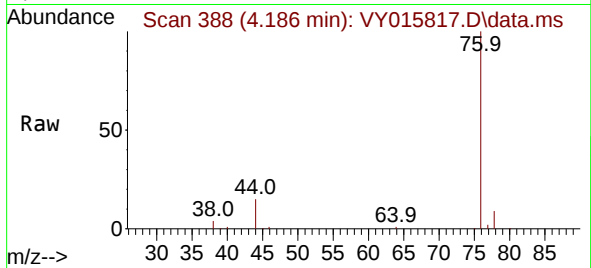




#17
Carbon Disulfide
Concen: 16.425 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

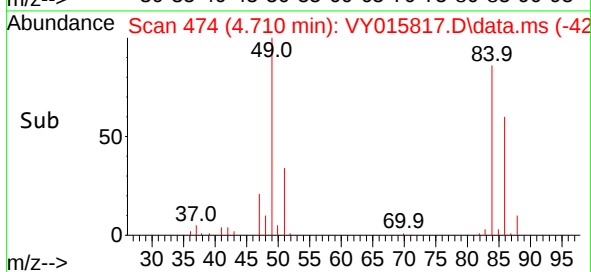
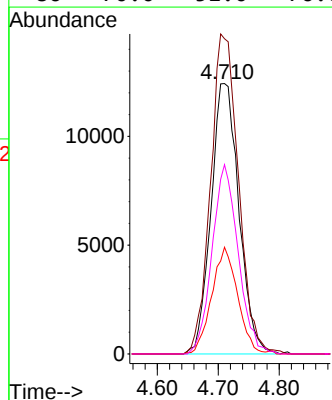
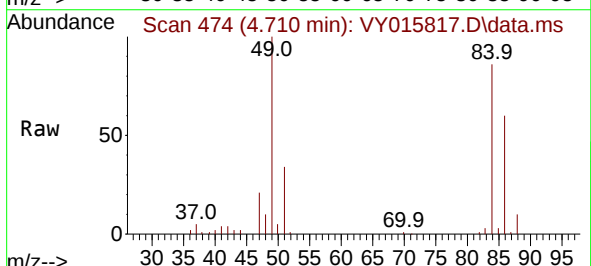
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

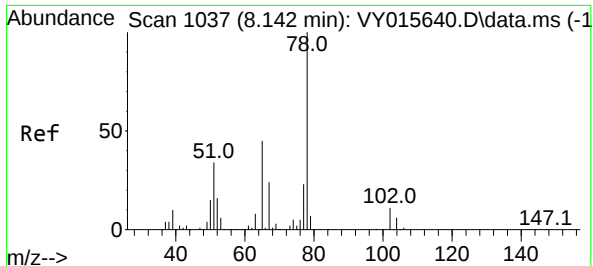
Tgt Ion: 76 Resp: 58320
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#20
Methylene Chloride
Concen: 10.982 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion: 84 Resp: 39539
Ion Ratio Lower Upper
84 100
49 116.6 106.9 160.3
51 39.5 33.2 49.8
86 70.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 56.952 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

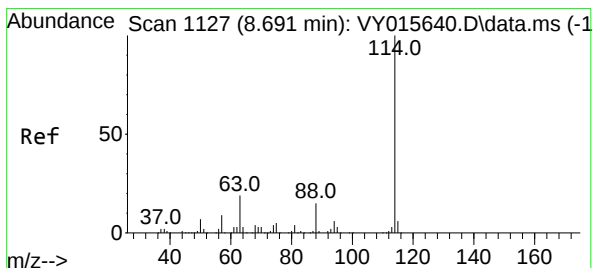
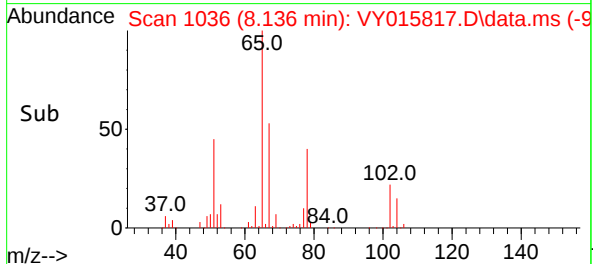
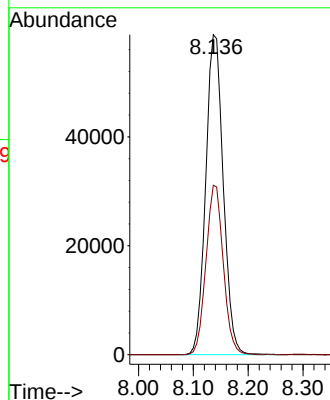
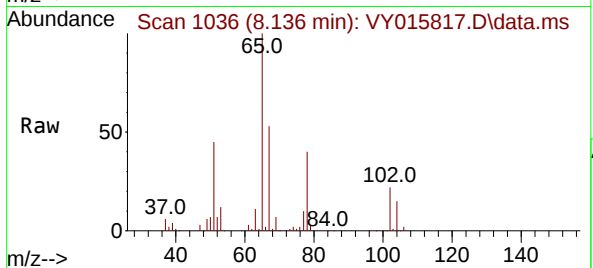
SB-104-1(5-10)

Tgt Ion: 65 Resp: 130183

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

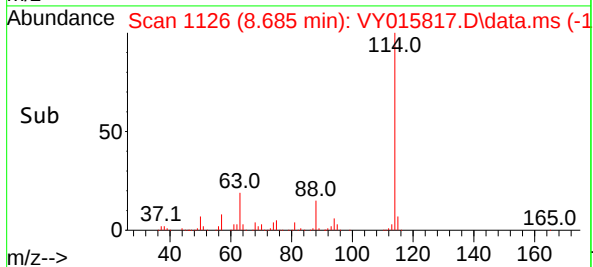
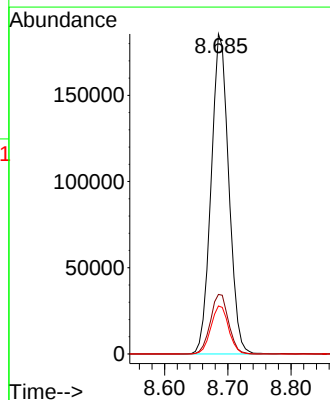
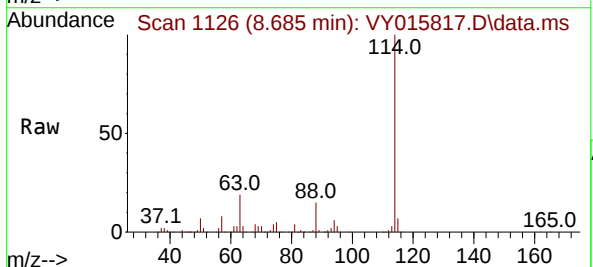
Tgt Ion: 114 Resp: 359334

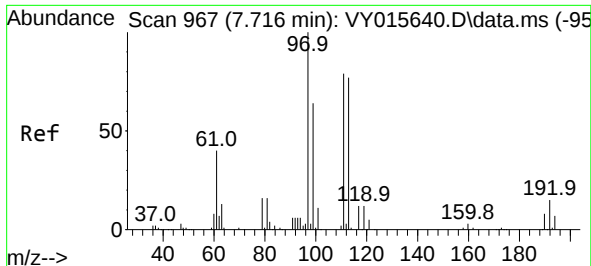
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6

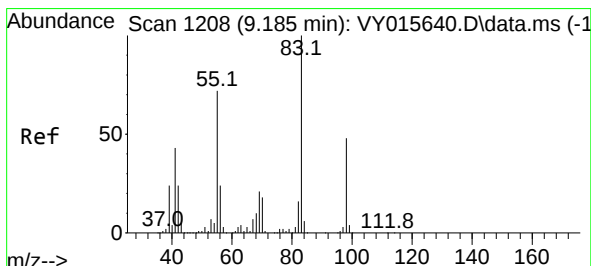
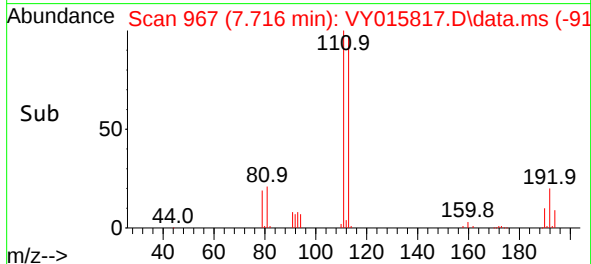
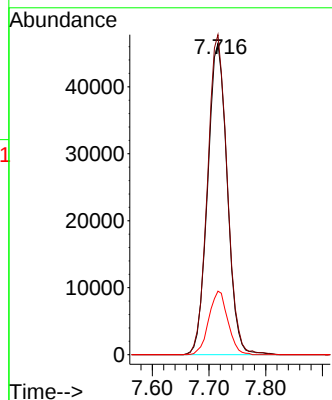
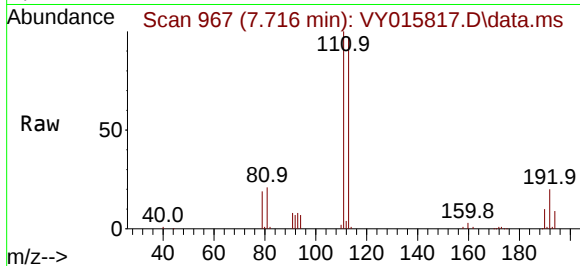




#35
Dibromofluoromethane
Concen: 51.849 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

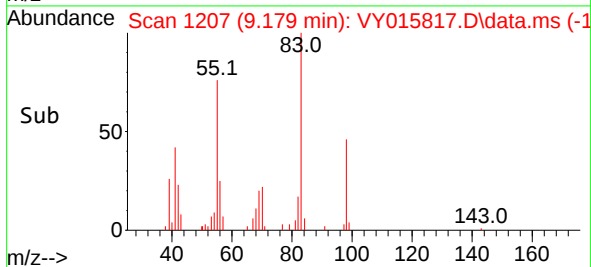
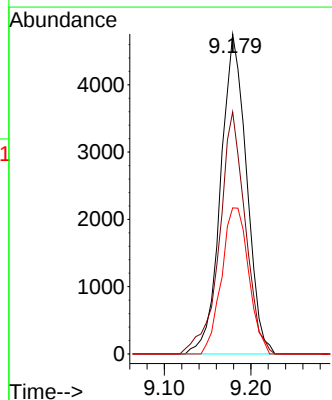
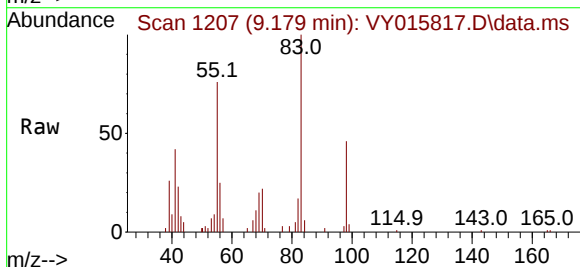
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

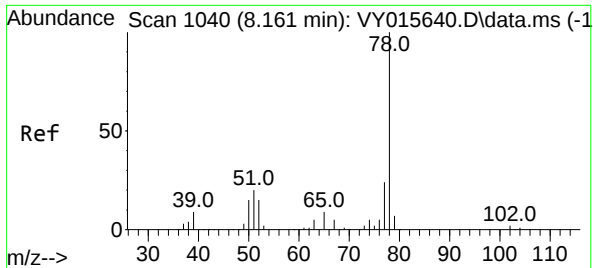
Tgt Ion:113 Resp: 111513
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.8 16.9 25.3



#39
Methylcyclohexane
Concen: 2.800 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion: 83 Resp: 9849
Ion Ratio Lower Upper
83 100
55 75.7 63.0 94.4
98 45.6 37.4 56.2

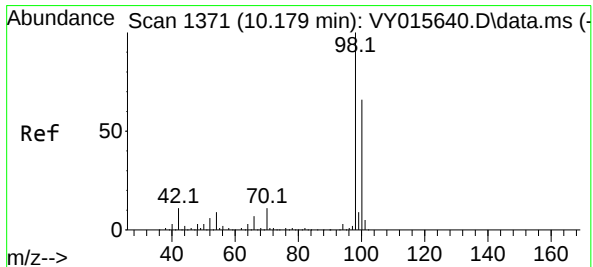
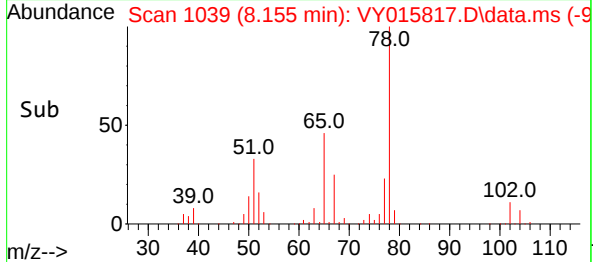
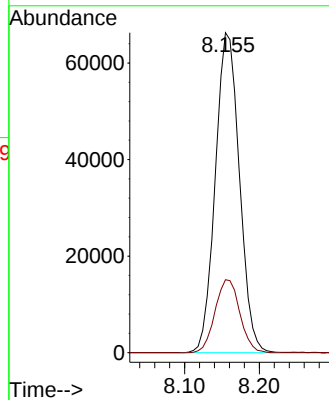
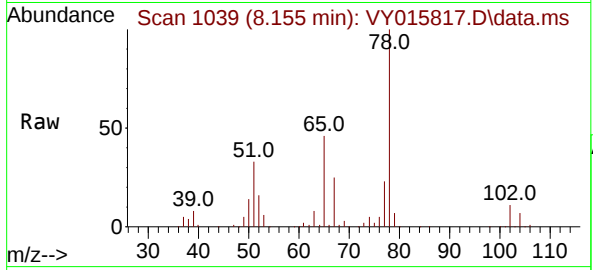




#40
Benzene
Concen: 15.343 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

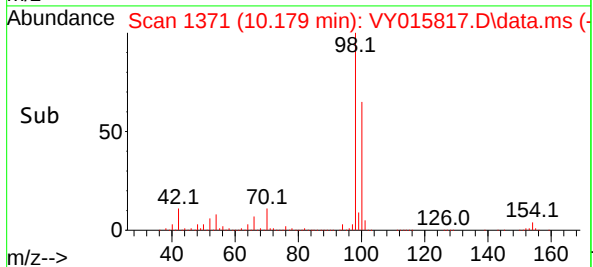
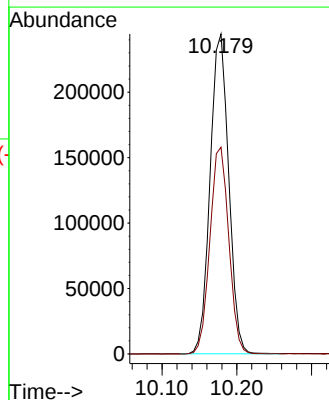
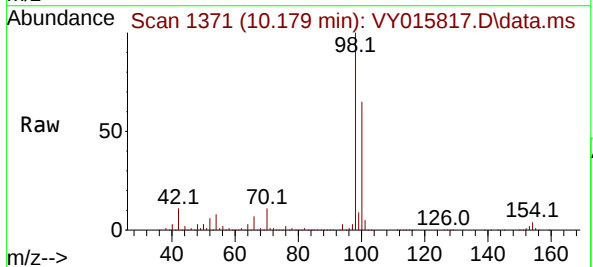
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

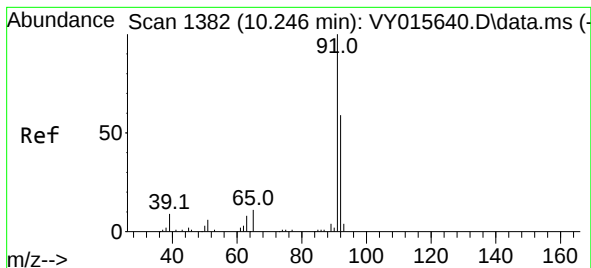
Tgt Ion: 78 Resp: 148796
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6



#50
Toluene-d8
Concen: 57.950 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion: 98 Resp: 422592
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#52

Toluene

Concen: 8.410 ug/l

RT: 10.240 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

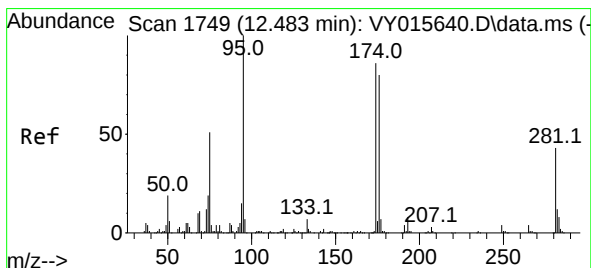
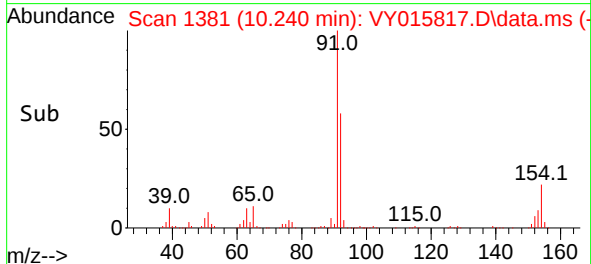
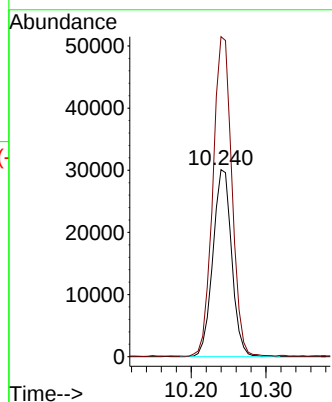
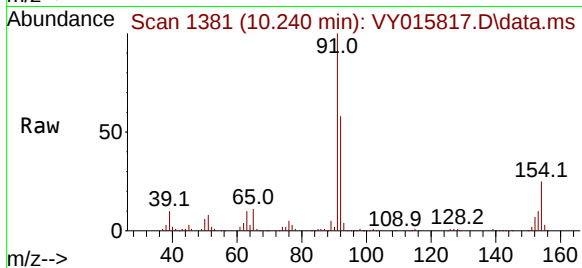
SB-104-1(5-10)

Tgt Ion: 92 Resp: 52582

Ion Ratio Lower Upper

92 100

91 172.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 50.578 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

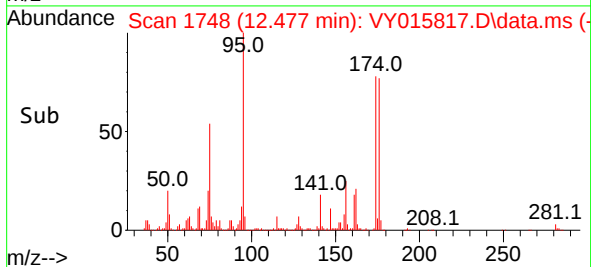
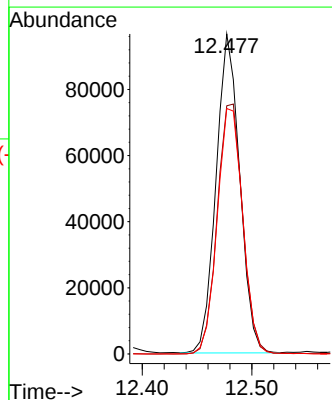
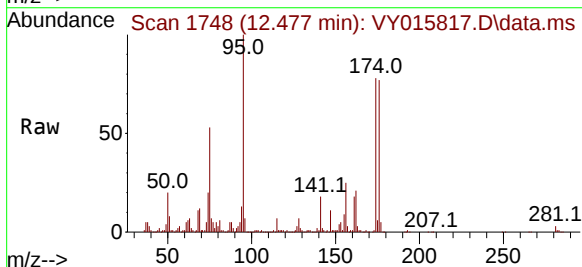
Tgt Ion: 95 Resp: 144744

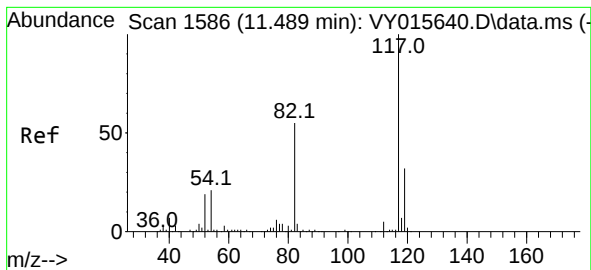
Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 82.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-104-1(5-10)

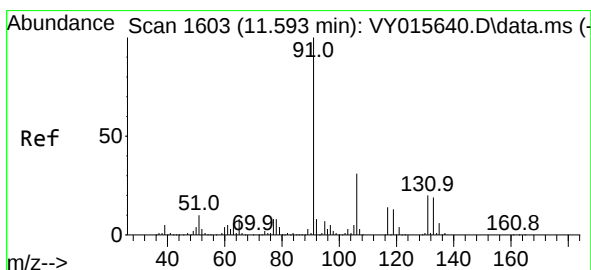
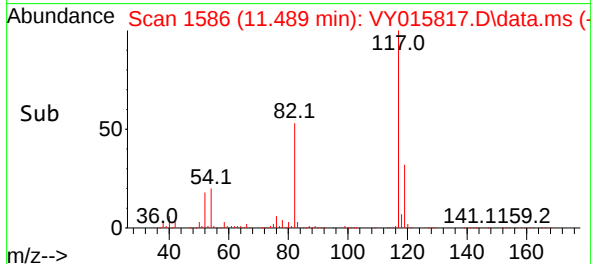
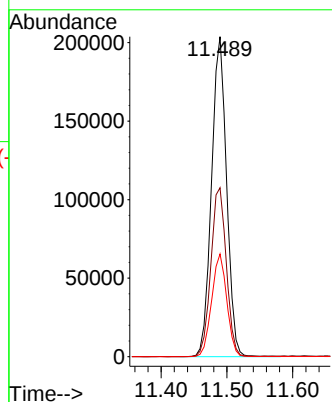
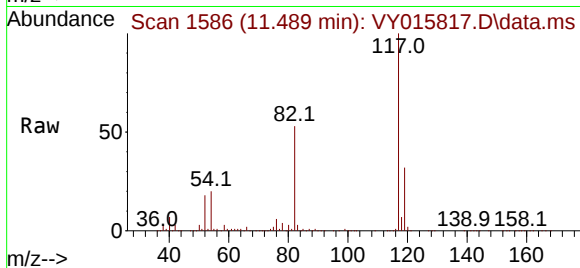
Tgt Ion:117 Resp: 324724

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 32.1 26.3 39.5



#67

Ethyl Benzene

Concen: 5.505 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015817.D

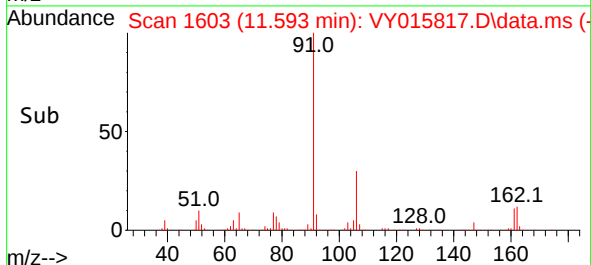
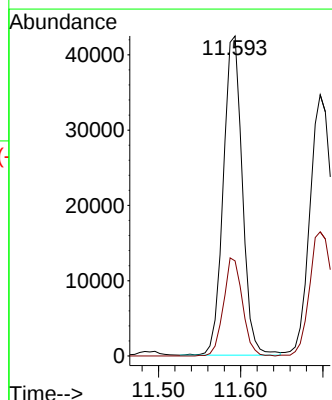
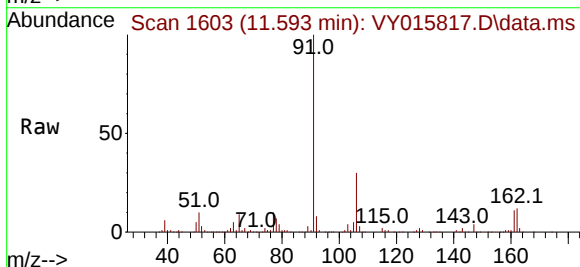
Acq: 03 Oct 2023 19:40

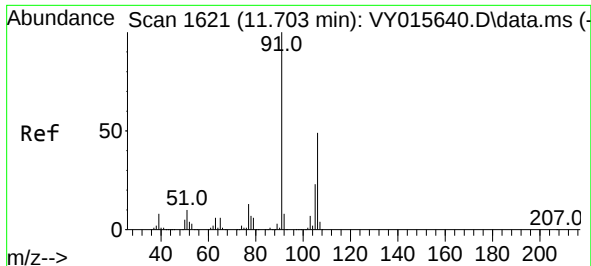
Tgt Ion: 91 Resp: 68196

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8

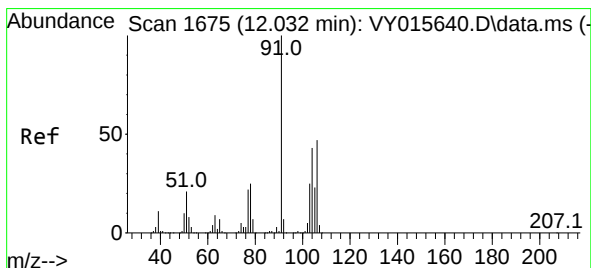
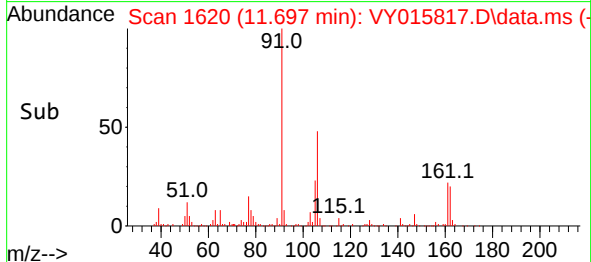
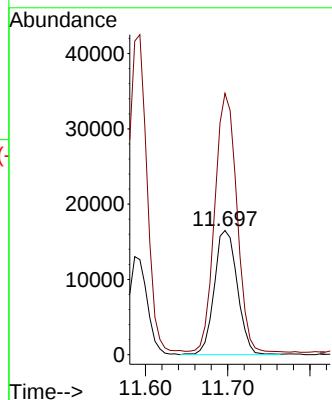
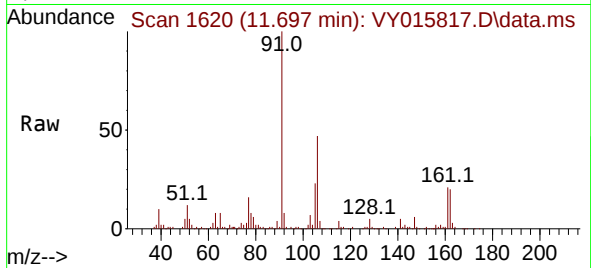




#68
m/p-Xylenes
Concen: 6.838 ug/l
RT: 11.697 min Scan# 11697
Delta R.T. -0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

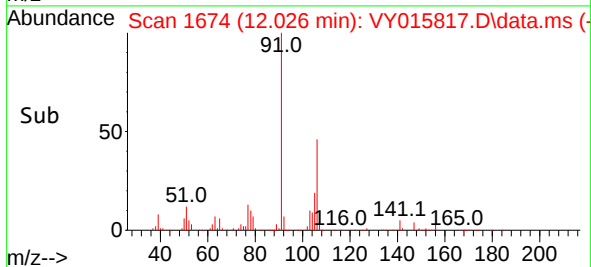
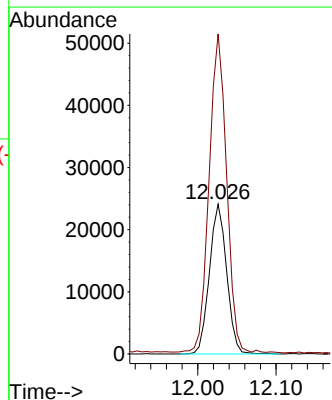
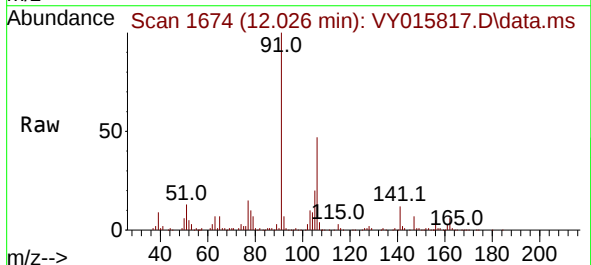
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

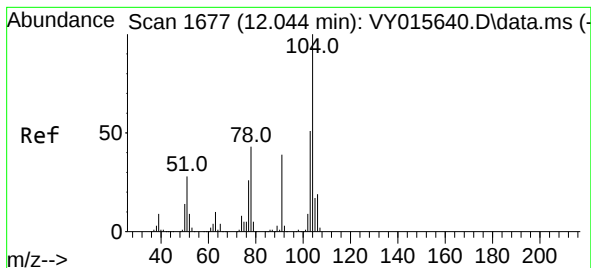
Tgt Ion:106 Resp: 32198
Ion Ratio Lower Upper
106 100
91 200.6 166.1 249.1



#69
o-Xylene
Concen: 7.984 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion:106 Resp: 36867
Ion Ratio Lower Upper
106 100
91 213.7 108.1 324.3





#70

Styrene

Concen: 2.667 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-104-1(5-10)

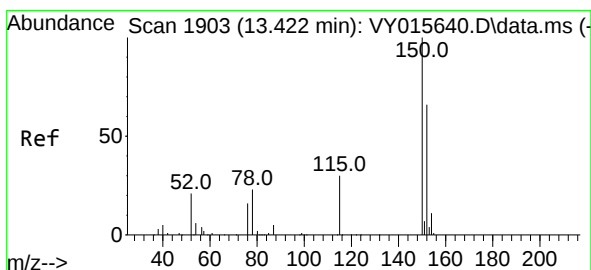
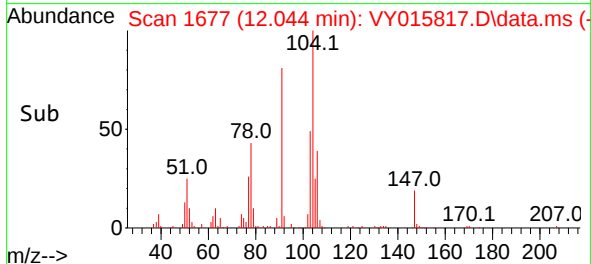
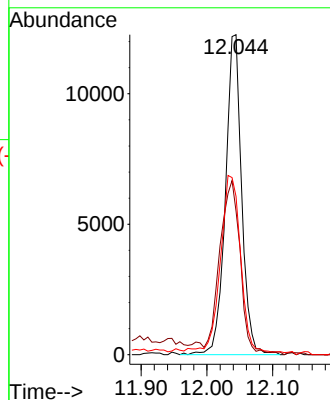
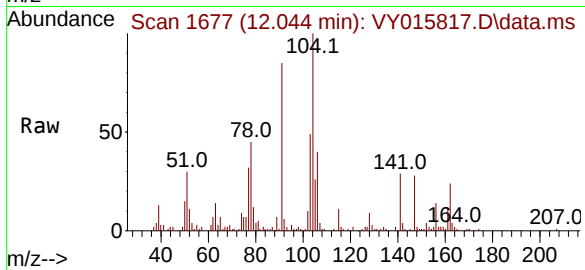
Tgt Ion:104 Resp: 21078

Ion Ratio Lower Upper

104 100

78 65.8 41.5 62.3#

103 72.4 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

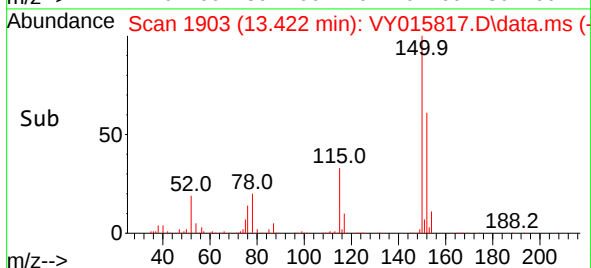
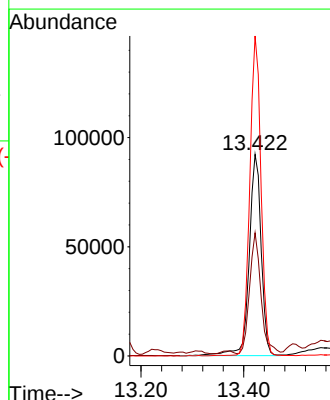
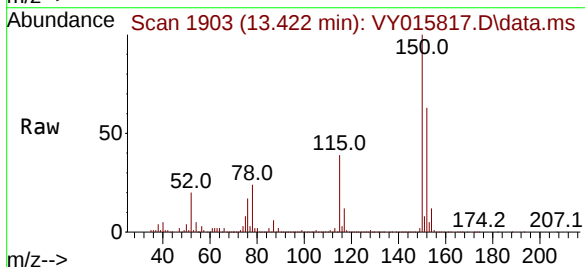
Tgt Ion:152 Resp: 149314

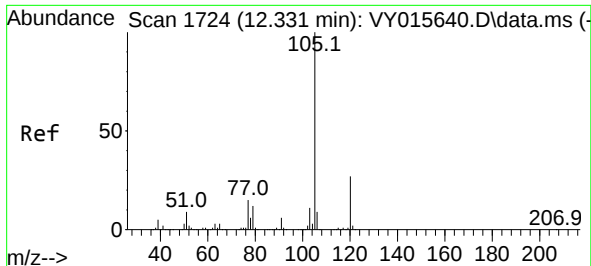
Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.5

150 147.8 0.0 348.8

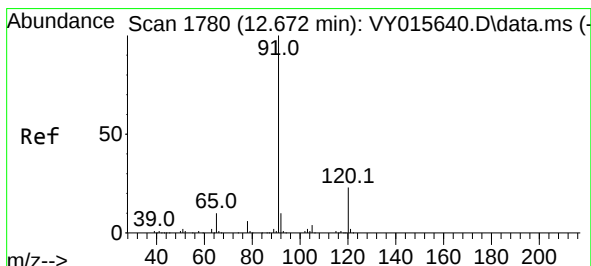
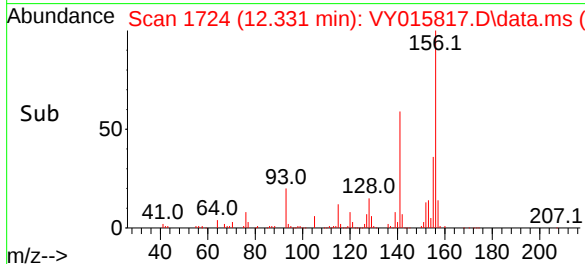
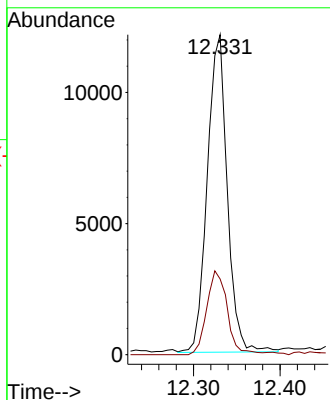
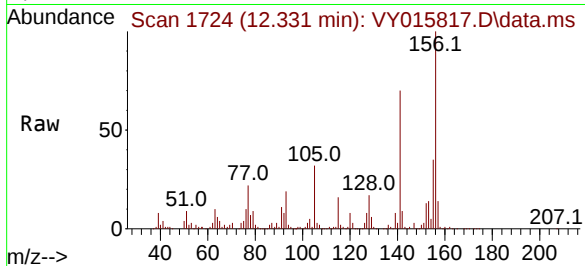




#73
Isopropylbenzene
Concen: 1.732 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

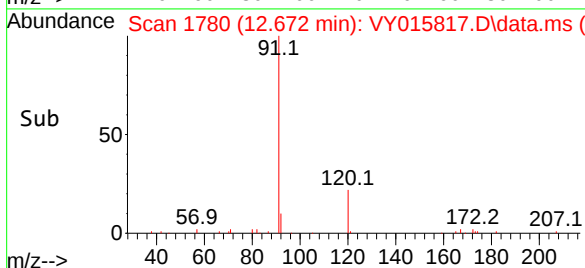
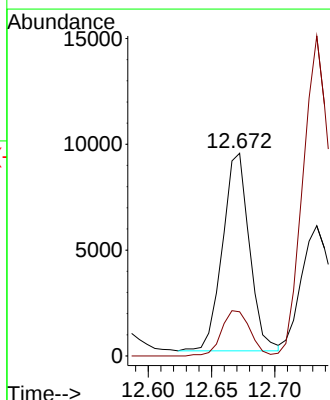
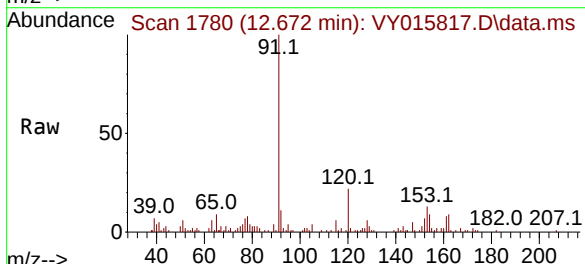
Instrument :
MSVOA_Y
ClientSampleId :
SB-104-1(5-10)

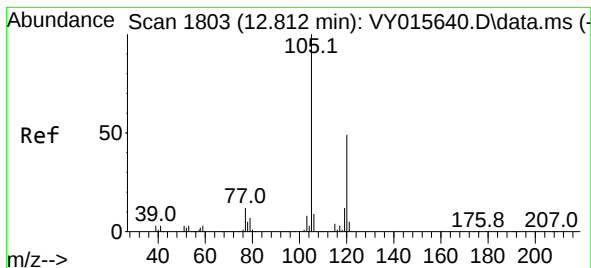
Tgt Ion:105 Resp: 19400
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9



#78
n-propylbenzene
Concen: 1.016 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY015817.D
Acq: 03 Oct 2023 19:40

Tgt Ion: 91 Resp: 13823
Ion Ratio Lower Upper
91 100
120 24.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 7.219 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015817.D

Acq: 03 Oct 2023 19:40

Instrument :

MSVOA_Y

ClientSampleId :

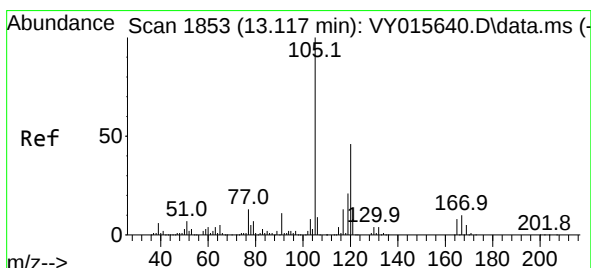
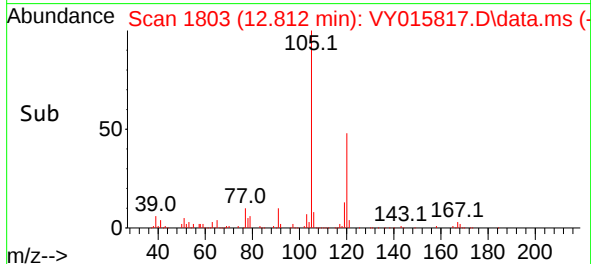
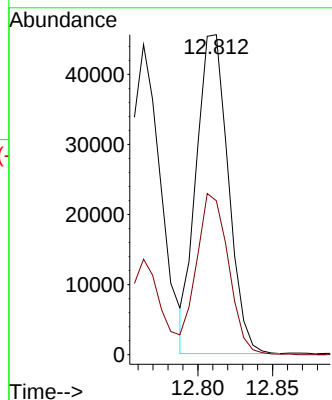
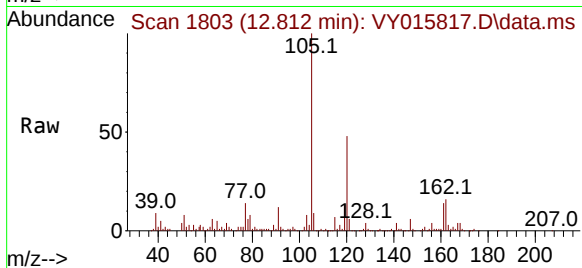
SB-104-1(5-10)

Tgt Ion:105 Resp: 67698

Ion Ratio Lower Upper

105 100

120 50.6 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 19.742 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015817.D

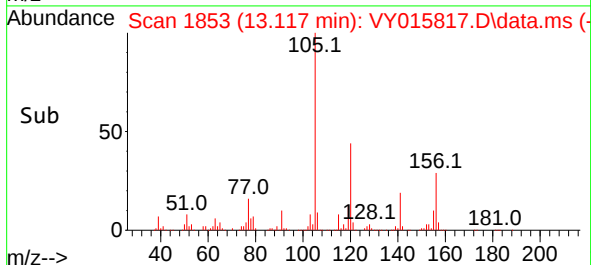
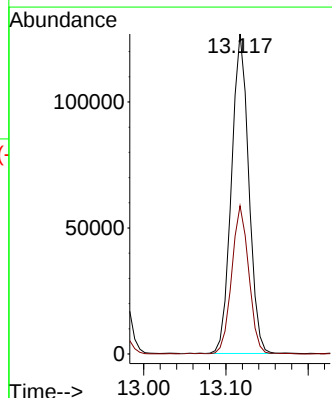
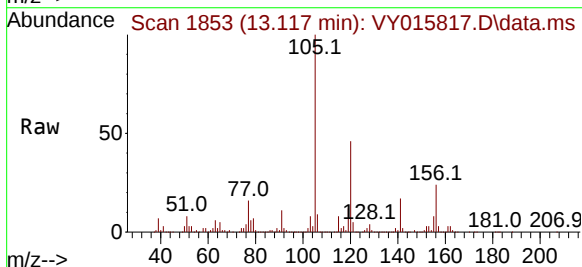
Acq: 03 Oct 2023 19:40

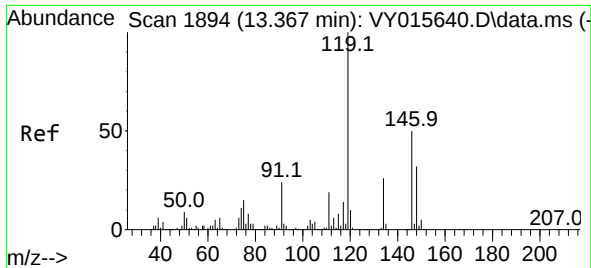
Tgt Ion:105 Resp: 185228

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 2.454 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015817.D
 Acq: 03 Oct 2023 19:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-104-1(5-10)

Tgt Ion:	119	Resp:	25196
Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.3	39.8
91	27.8	12.4	37.4

