

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015764.D
 Acq On : 29 Sep 2023 19:26
 Operator : SY/MD
 Sample : 04622-01
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 I-1(0-5)

Quant Time: Sep 30 01:17:14 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)

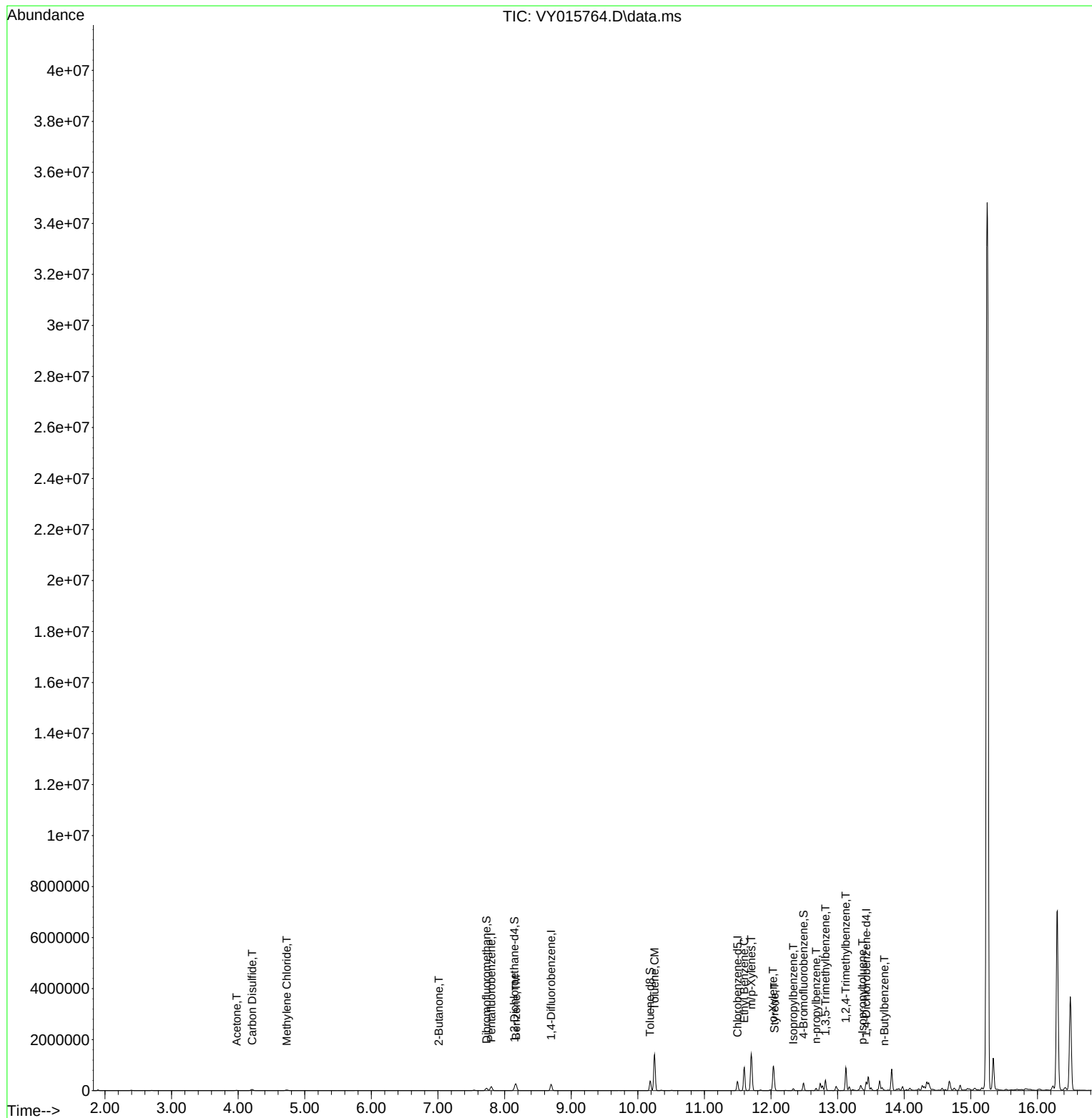
Internal Standards						
1) Pentafluorobenzene	7.801	168	120860	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	210875	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	195223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78140	58.761	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.520%
35) Dibromofluoromethane	7.728	113	68301	54.114	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.220%
50) Toluene-d8	10.185	98	249987	58.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.820%
62) 4-Bromofluorobenzene	12.489	95	84403	50.257	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.520%
Target Compounds						
						Qvalue
16) Acetone	3.979	43	27857	39.144	ug/l	100
17) Carbon Disulfide	4.210	76	93676	45.350	ug/l	100
20) Methylene Chloride	4.729	84	20286	9.052	ug/l	92
25) 2-Butanone	7.015	43	9948	9.890	ug/l	90
40) Benzene	8.173	78	221729	38.961	ug/l	99
52) Toluene	10.252	92	587994	160.261	ug/l	95
67) Ethyl Benzene	11.599	91	626588	84.126	ug/l	98
68) m/p-Xylenes	11.703	106	436670	154.245	ug/l	96
69) o-Xylene	12.032	106	230685	83.100	ug/l	98
70) Styrene	12.050	104	134111	28.224	ug/l #	83
73) Isopropylbenzene	12.337	105	48362	7.606	ug/l	99
78) n-propylbenzene	12.678	91	65177	8.438	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	205335	38.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	472276	88.675	ug/l	98
86) p-Isopropyltoluene	13.373	119	33486	5.746	ug/l	94
89) n-Butylbenzene	13.703	91	8975	1.626	ug/l #	64

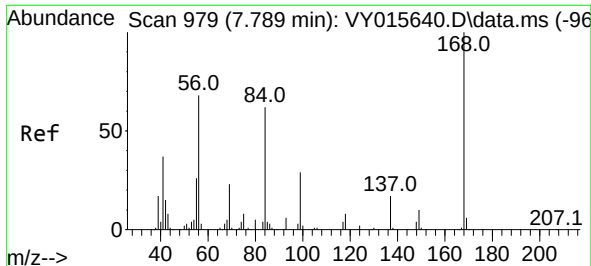
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
Data File : VY015764.D
Acq On : 29 Sep 2023 19:26
Operator : SY/MD
Sample : 04622-01
Misc : 5.53g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

Quant Time: Sep 30 01:17:14 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

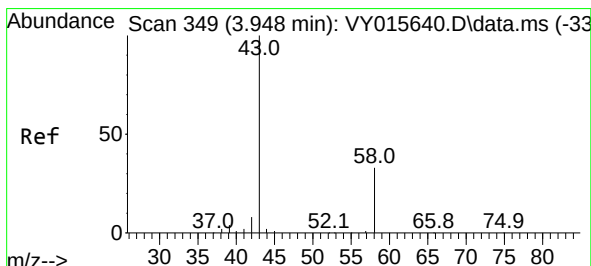
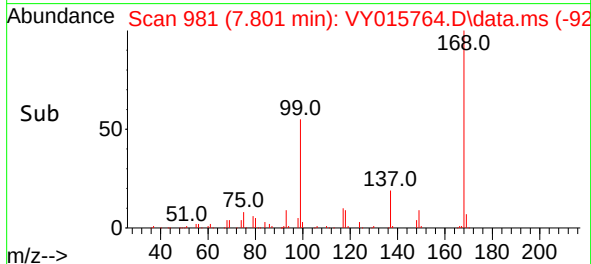
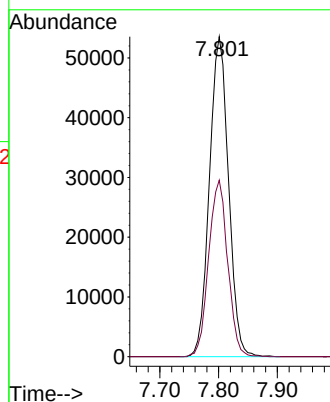
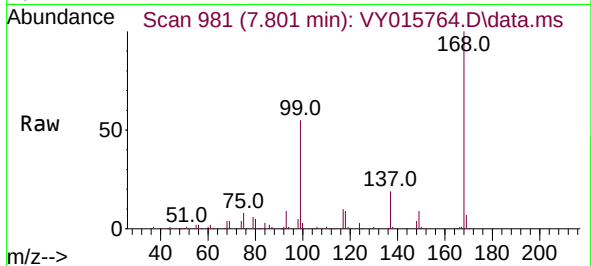




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

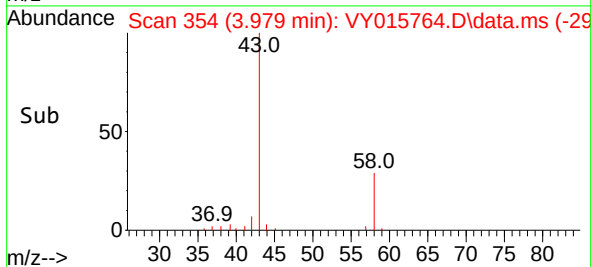
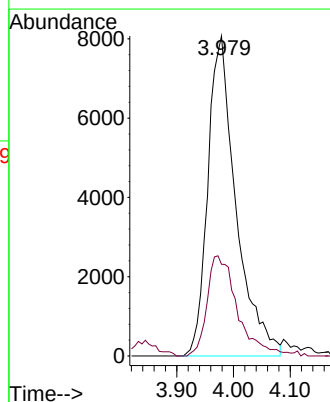
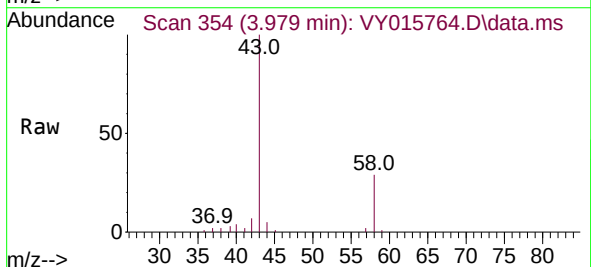
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

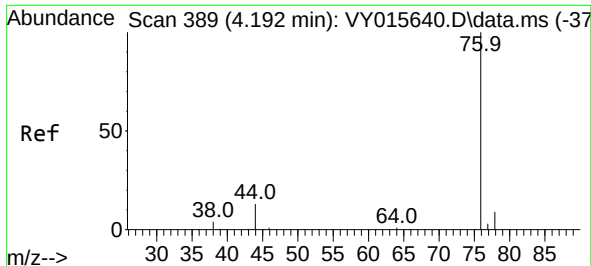
Tgt Ion:168 Resp: 120860
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#16
Acetone
Concen: 39.144 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion: 43 Resp: 27857
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1

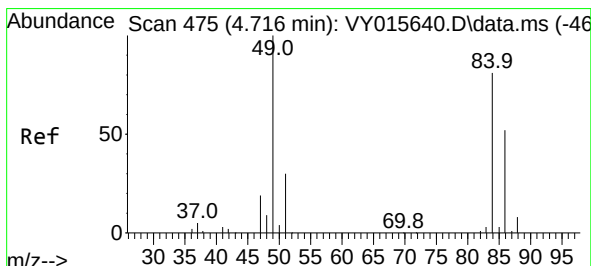
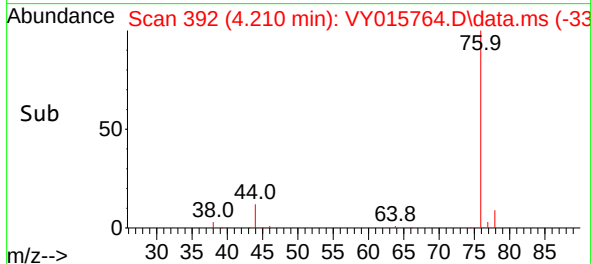
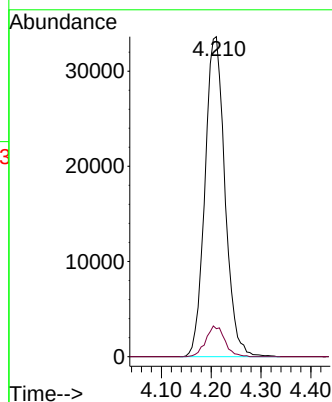
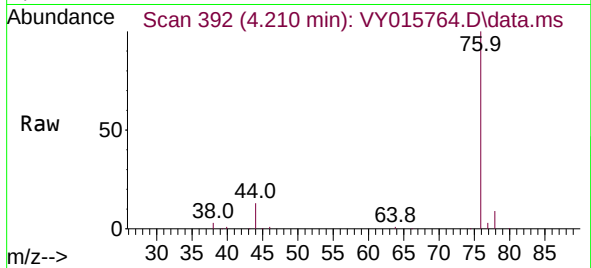




#17
Carbon Disulfide
Concen: 45.350 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.024 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

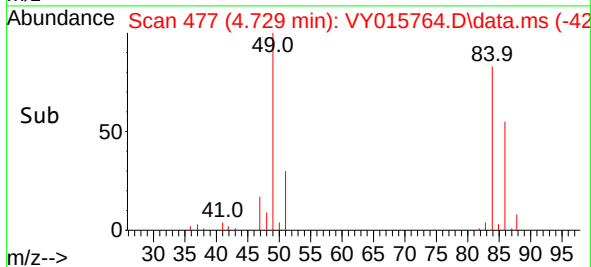
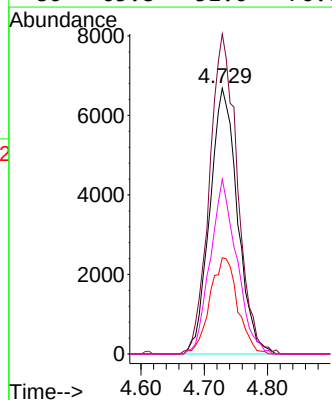
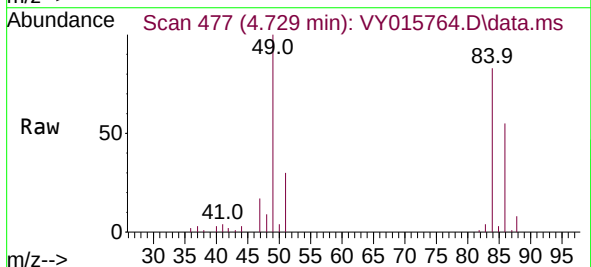
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

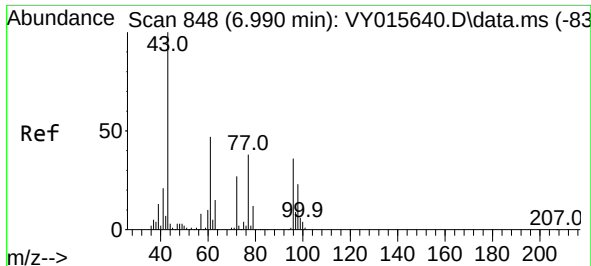
Tgt Ion: 76 Resp: 93676
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#20
Methylene Chloride
Concen: 9.052 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.025 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion: 84 Resp: 20286
Ion Ratio Lower Upper
84 100
49 120.4 106.9 160.3
51 36.2 33.2 49.8
86 65.8 51.0 76.6

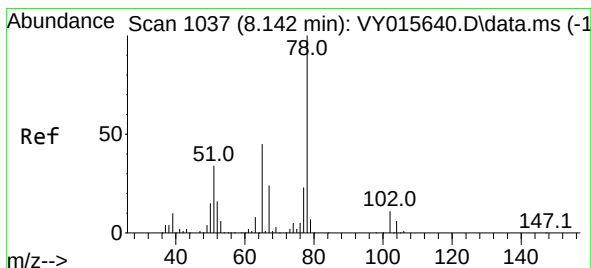
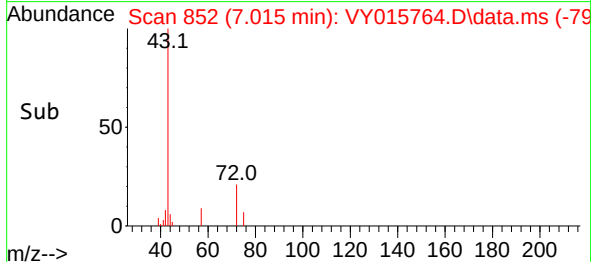
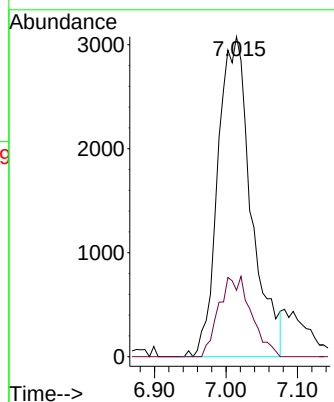
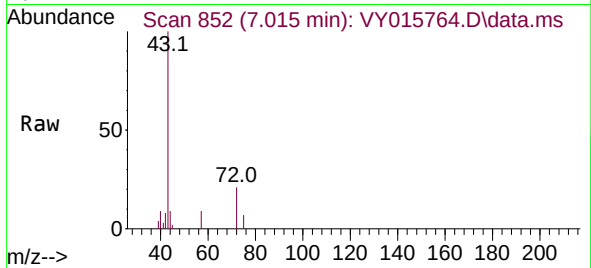




#25
2-Butanone
Concen: 9.890 ug/l
RT: 7.015 min Scan# 81
Delta R.T. 0.037 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

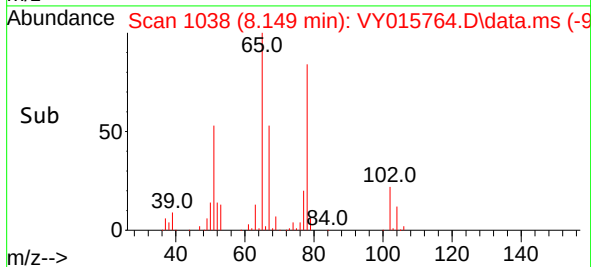
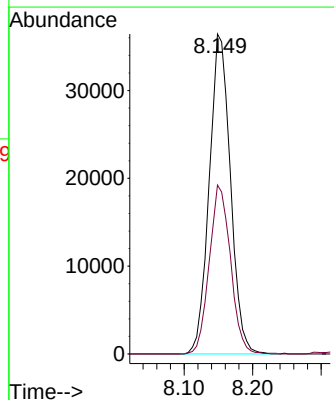
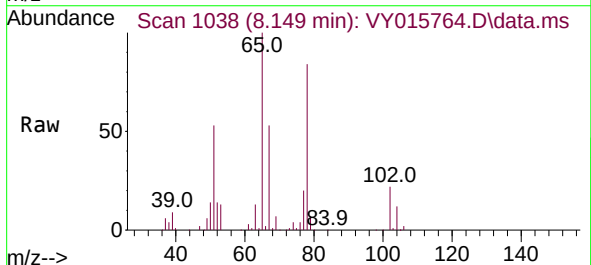
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

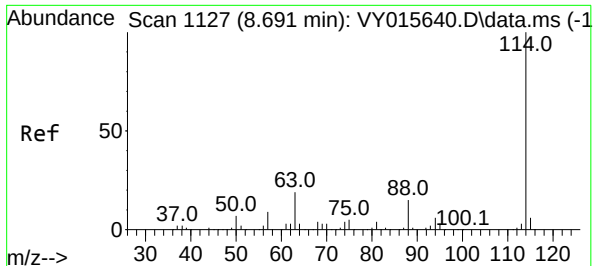
Tgt Ion: 43 Resp: 9948
Ion Ratio Lower Upper
43 100
72 20.8 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 58.761 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion: 65 Resp: 78140
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

I-1(0-5)

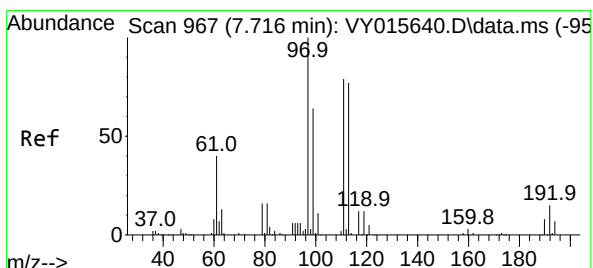
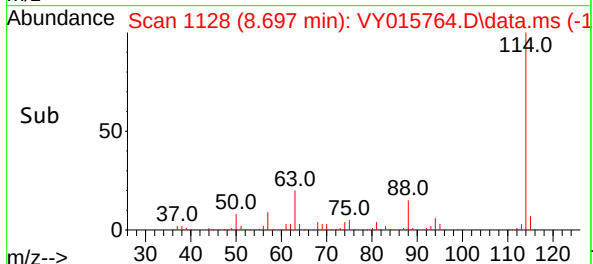
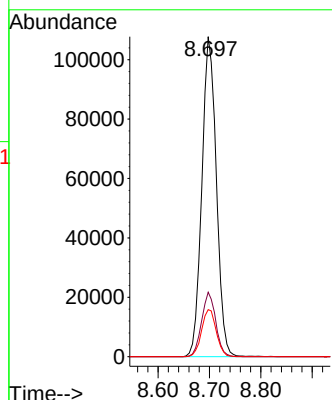
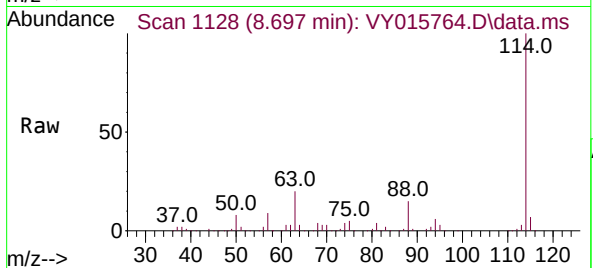
Tgt Ion:114 Resp: 210875

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.114 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

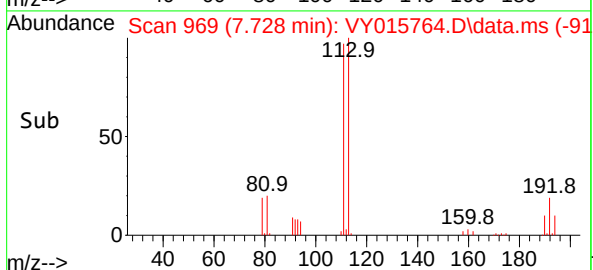
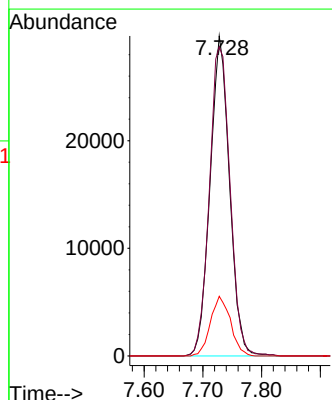
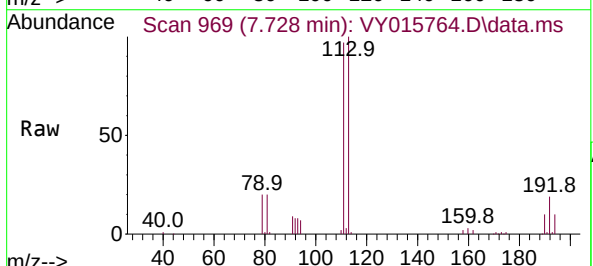
Tgt Ion:113 Resp: 68301

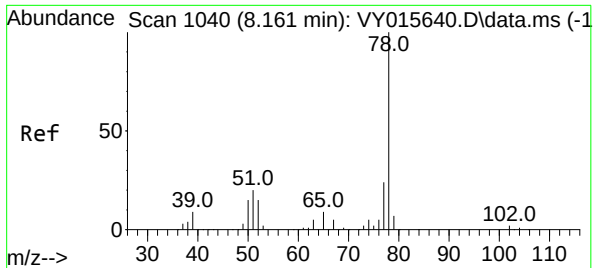
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 19.3 16.9 25.3





#40

Benzene

Concen: 38.961 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.024 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

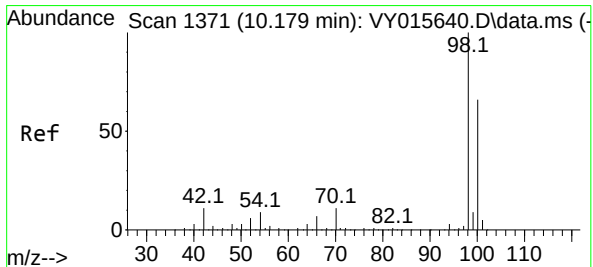
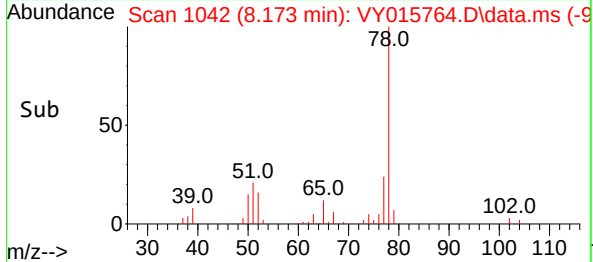
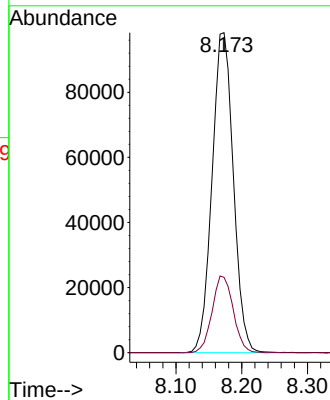
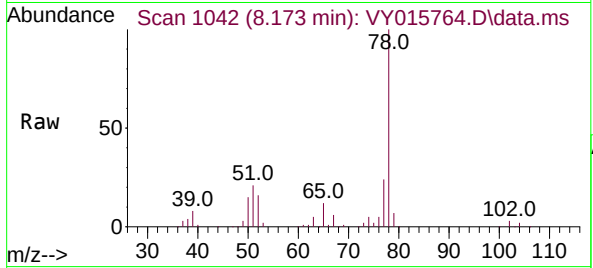
I-1(0-5)

Tgt Ion: 78 Resp: 221729

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



#50

Toluene-d8

Concen: 58.415 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY015764.D

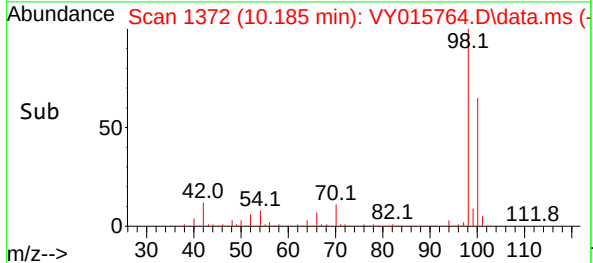
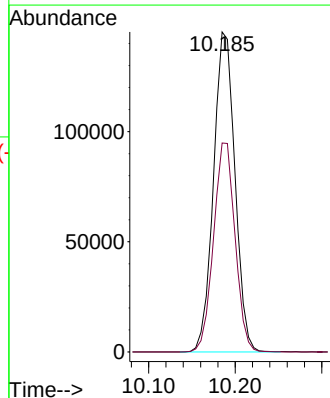
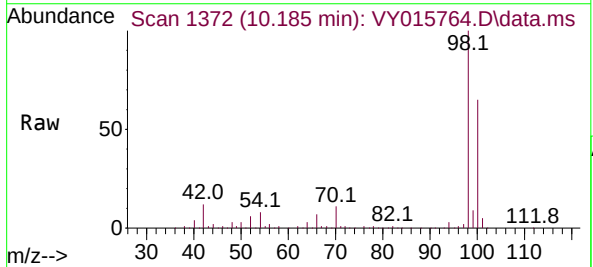
Acq: 29 Sep 2023 19:26

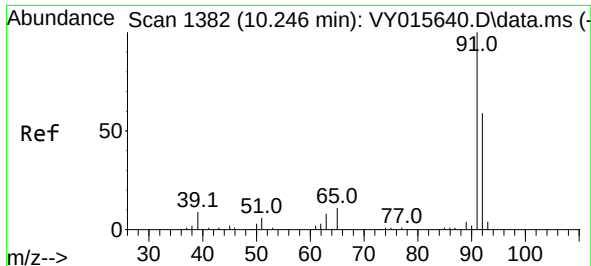
Tgt Ion: 98 Resp: 249987

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1

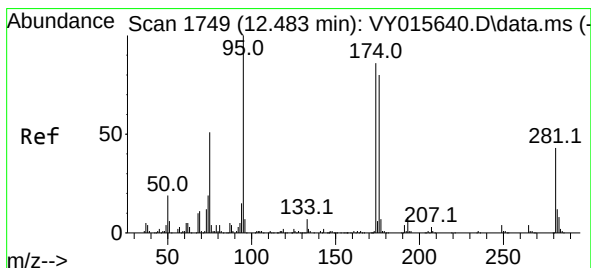
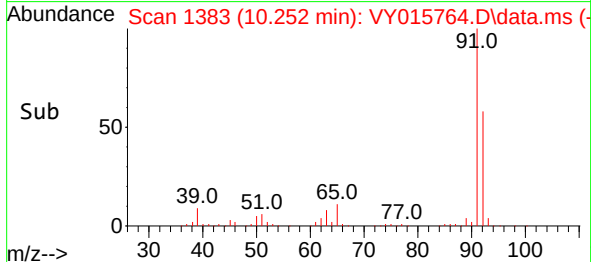
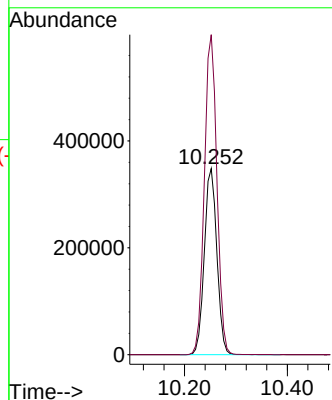
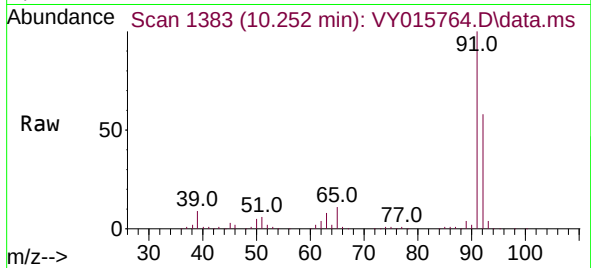




#52
Toluene
Concen: 160.261 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

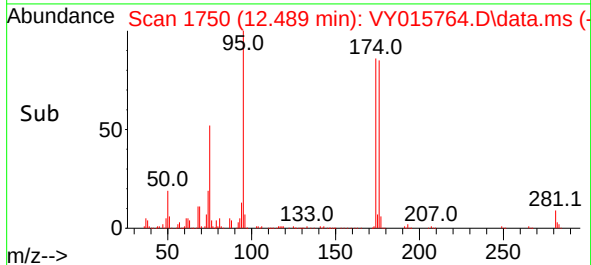
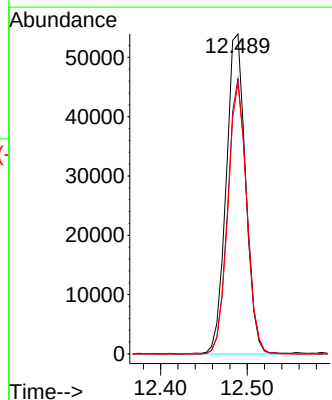
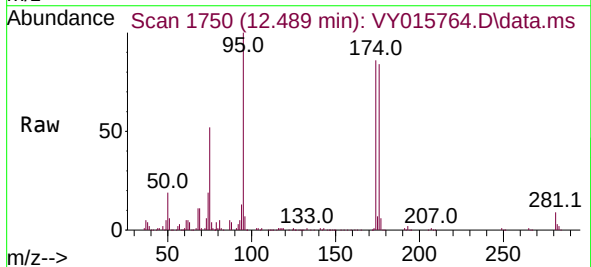
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

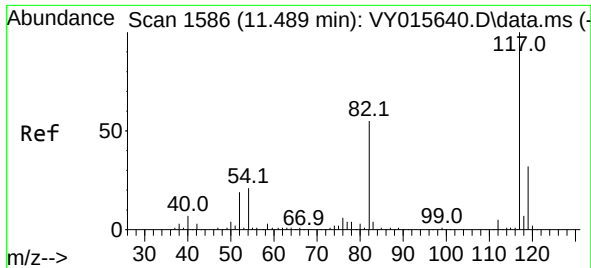
Tgt Ion: 92 Resp: 587994
Ion Ratio Lower Upper
92 100
91 171.9 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 50.257 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion: 95 Resp: 84403
Ion Ratio Lower Upper
95 100
174 83.6 0.0 178.2
176 81.9 0.0 173.8

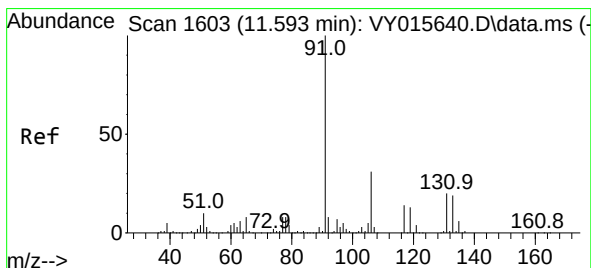
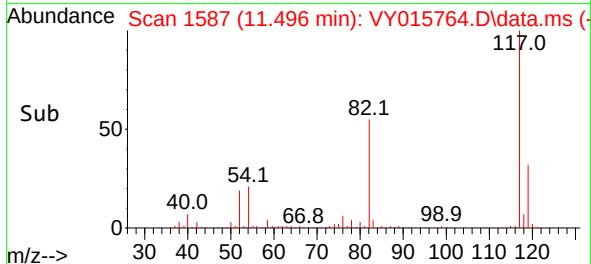
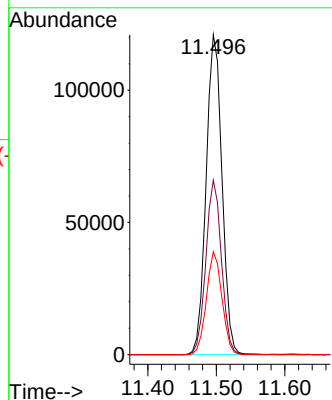
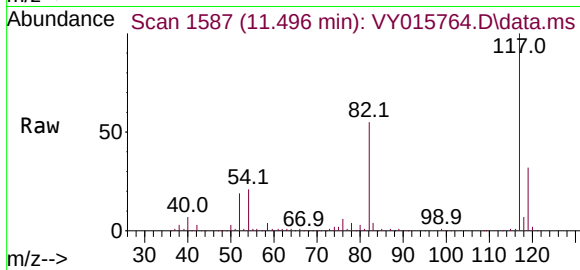




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

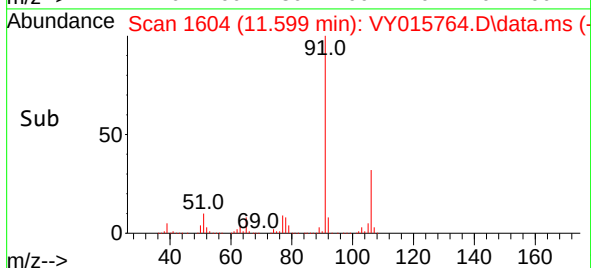
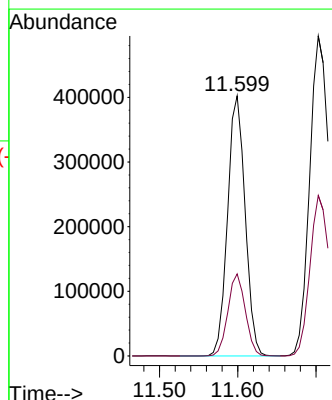
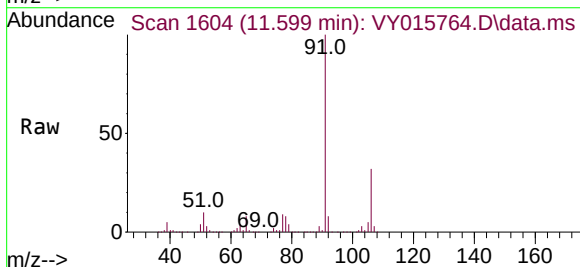
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

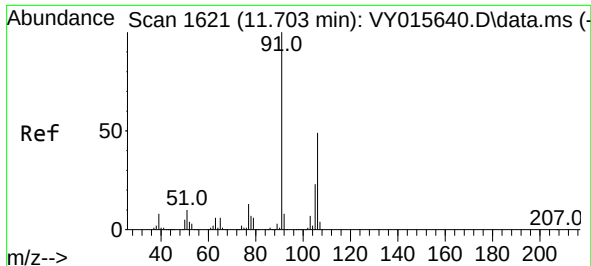
Tgt Ion:117 Resp: 195223
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.1 26.3 39.5



#67
Ethyl Benzene
Concen: 84.126 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.012 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion: 91 Resp: 626588
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

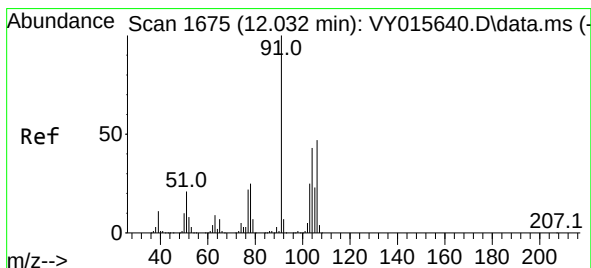
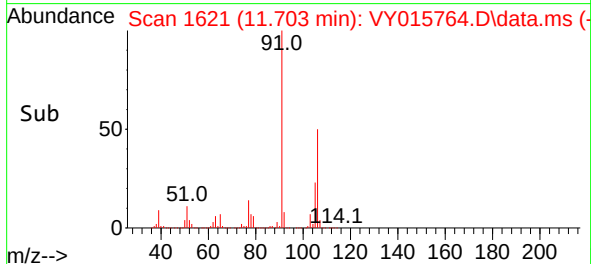
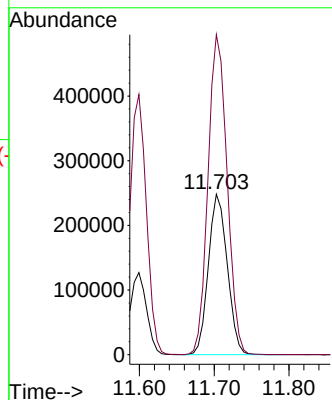
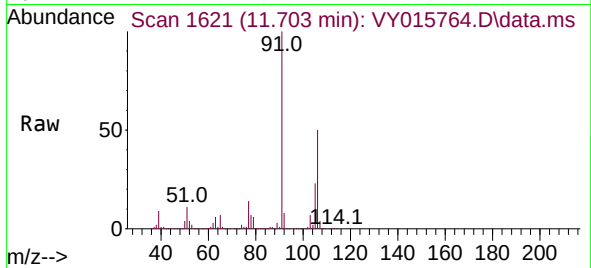




#68
m/p-Xylenes
Concen: 154.245 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

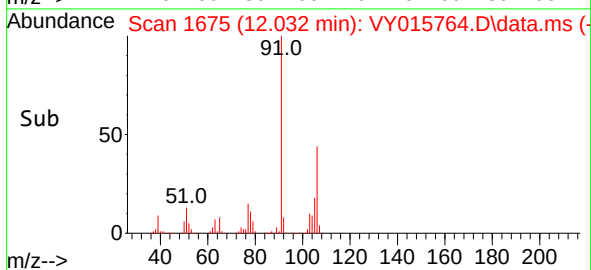
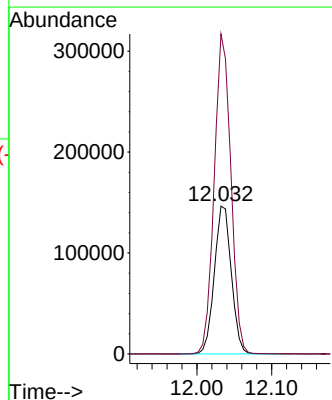
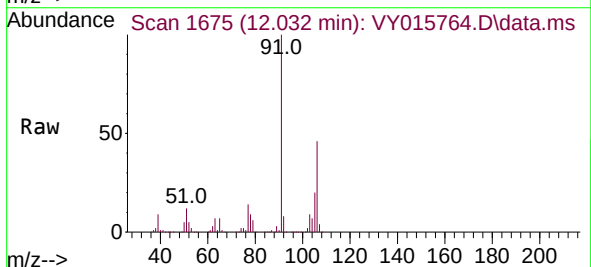
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

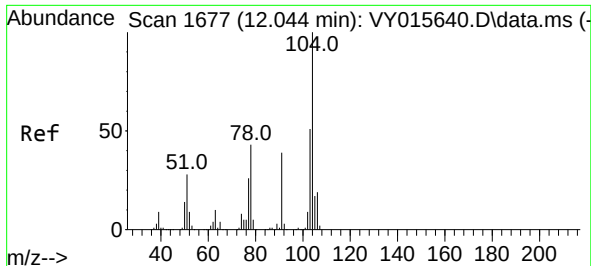
Tgt Ion:106 Resp: 436670
Ion Ratio Lower Upper
106 100
91 201.5 166.1 249.1



#69
o-Xylene
Concen: 83.100 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion:106 Resp: 230685
Ion Ratio Lower Upper
106 100
91 212.7 108.1 324.3

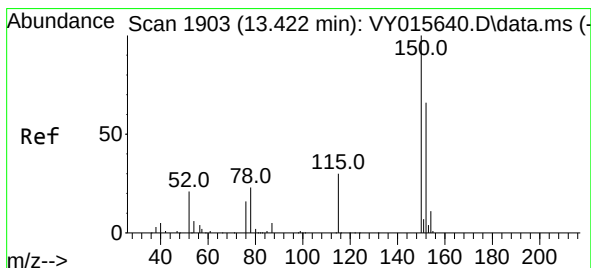
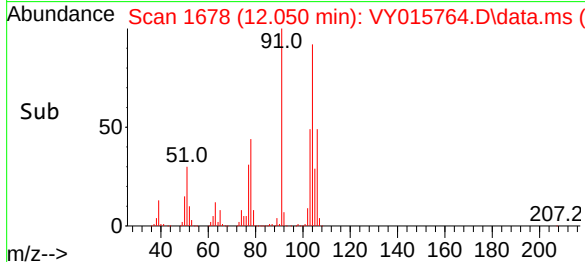
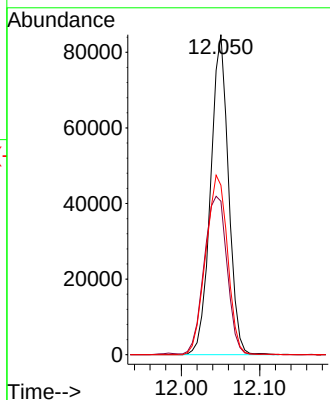
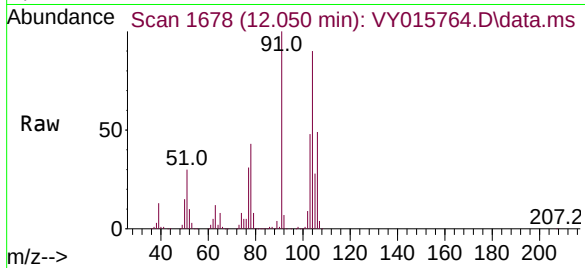




#70
Styrene
Concen: 28.224 ug/l
RT: 12.050 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

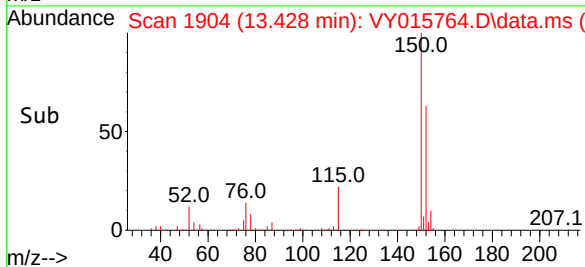
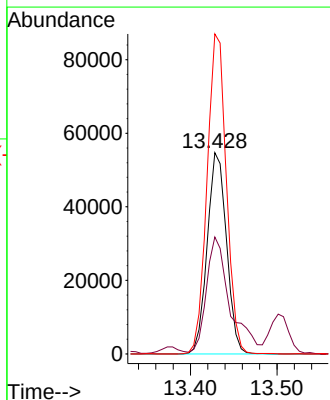
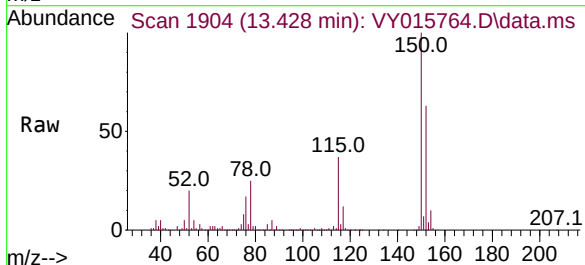
Instrument :
MSVOA_Y
ClientSampleId :
I-1(0-5)

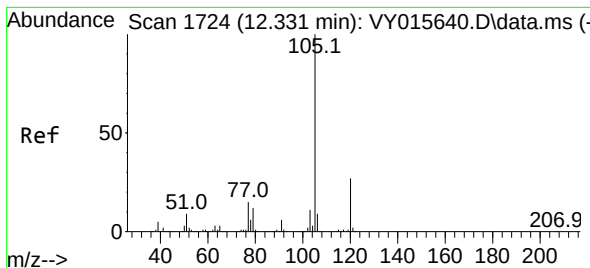
Tgt Ion:104 Resp: 134111
Ion Ratio Lower Upper
104 100
78 63.7 41.5 62.3#
103 68.3 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015764.D
Acq: 29 Sep 2023 19:26

Tgt Ion:152 Resp: 84757
Ion Ratio Lower Upper
152 100
115 69.4 28.8 86.5
150 159.0 0.0 348.8





#73

Isopropylbenzene

Concen: 7.606 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

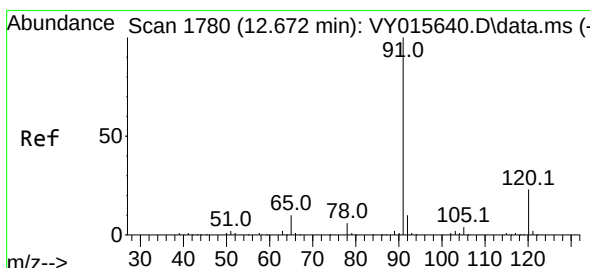
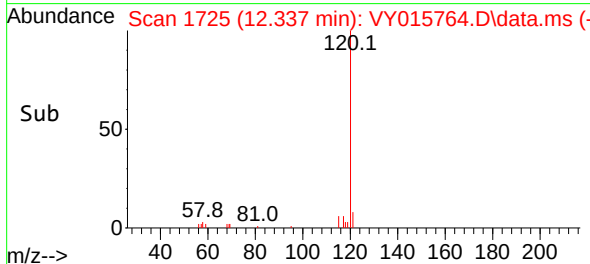
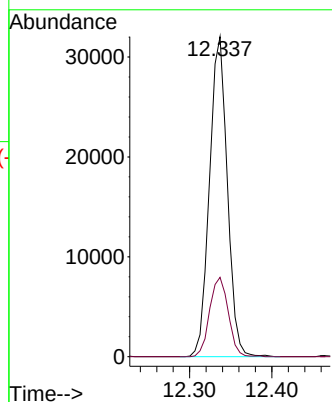
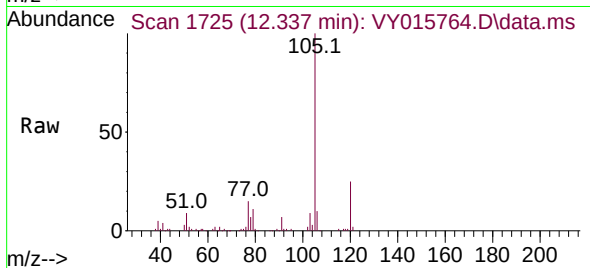
I-1(0-5)

Tgt Ion:105 Resp: 48362

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



#78

n-propylbenzene

Concen: 8.438 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.012 min

Lab File: VY015764.D

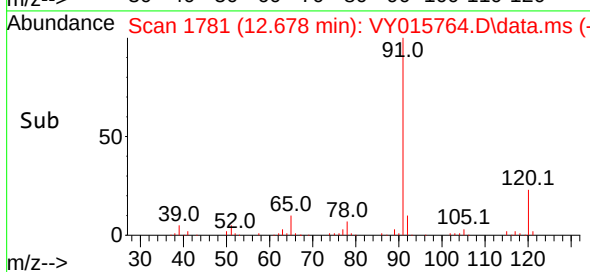
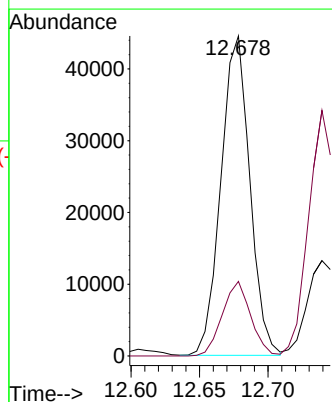
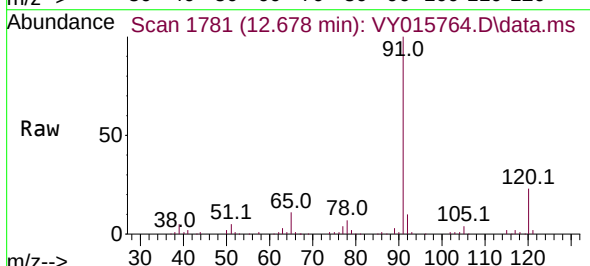
Acq: 29 Sep 2023 19:26

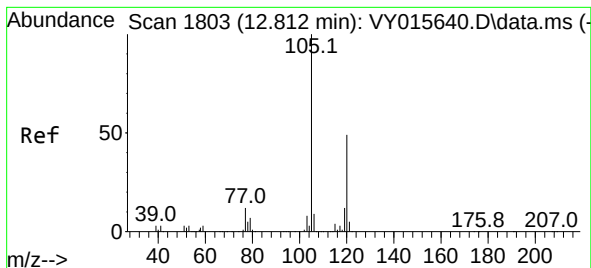
Tgt Ion: 91 Resp: 65177

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 38.576 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.007 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

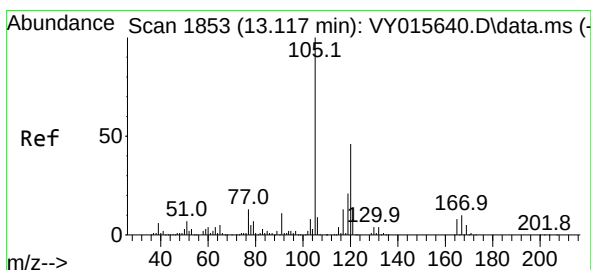
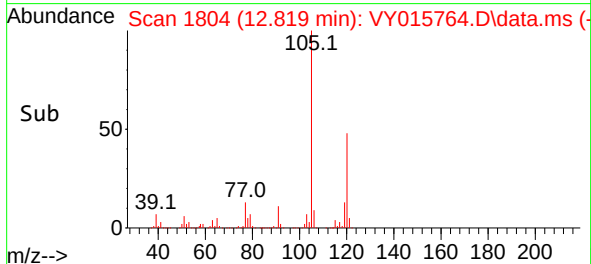
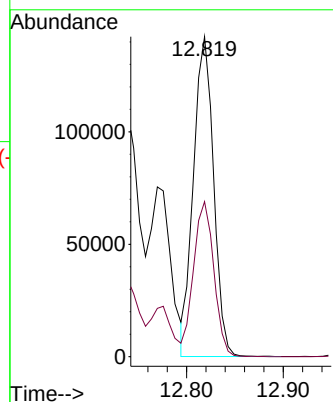
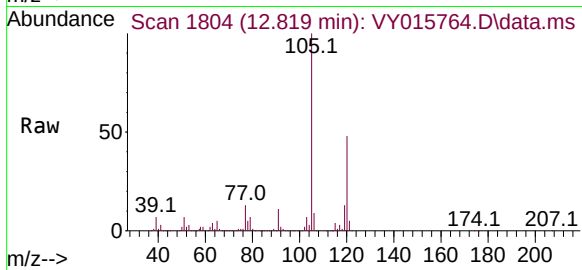
1-1(0-5)

Tgt Ion:105 Resp: 205335

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 88.675 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015764.D

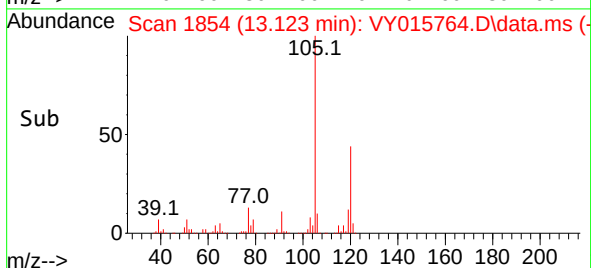
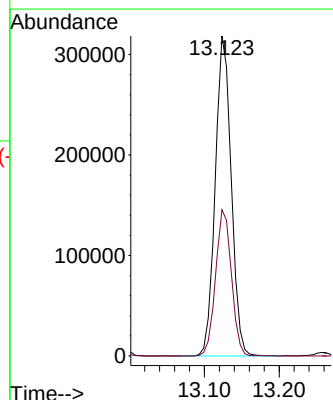
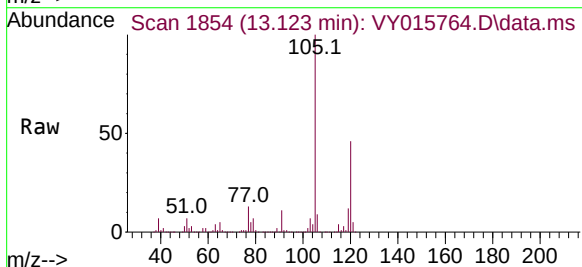
Acq: 29 Sep 2023 19:26

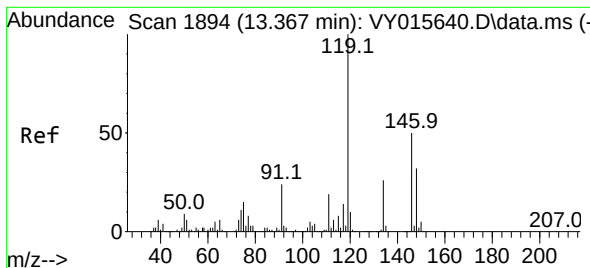
Tgt Ion:105 Resp: 472276

Ion Ratio Lower Upper

105 100

120 45.4 22.2 66.6





#86

p-Isopropyltoluene

Concen: 5.746 ug/l

RT: 13.373 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Instrument :

MSVOA_Y

ClientSampleId :

1-1(0-5)

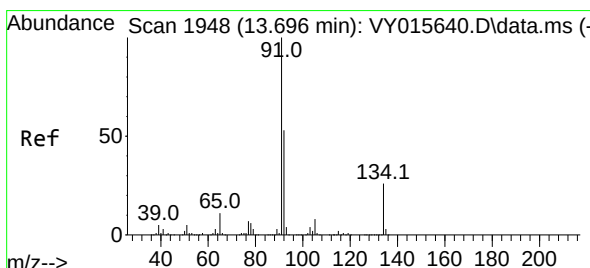
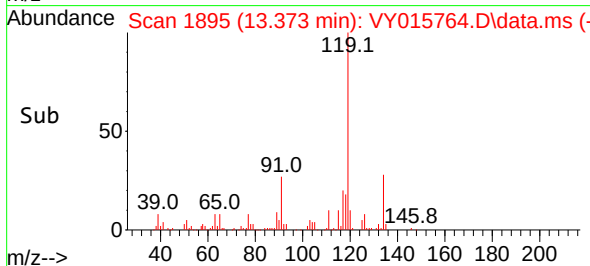
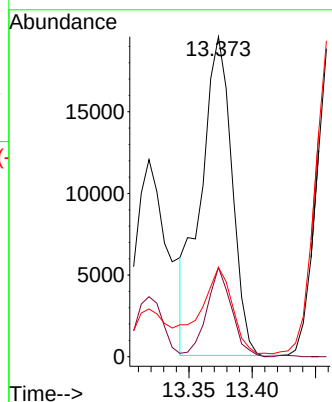
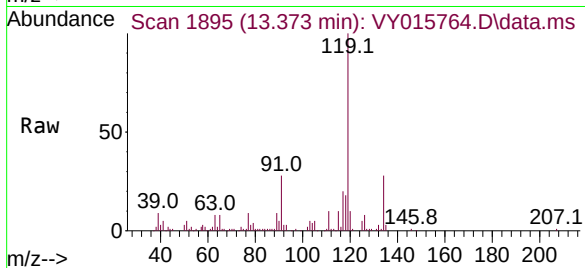
Tgt Ion:119 Resp: 33486

Ion Ratio Lower Upper

119 100

134 22.2 13.3 39.8

91 26.9 12.4 37.4



#89

n-Butylbenzene

Concen: 1.626 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.007 min

Lab File: VY015764.D

Acq: 29 Sep 2023 19:26

Tgt Ion: 91 Resp: 8975

Ion Ratio Lower Upper

91 100

92 71.0 25.4 76.0

134 0.0 12.6 37.6#

