

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015770.D
 Acq On : 29 Sep 2023 21:46
 Operator : SY/MD
 Sample : 04657-12
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 W-1(2-6IN)

Quant Time: Sep 30 01:20:10 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)

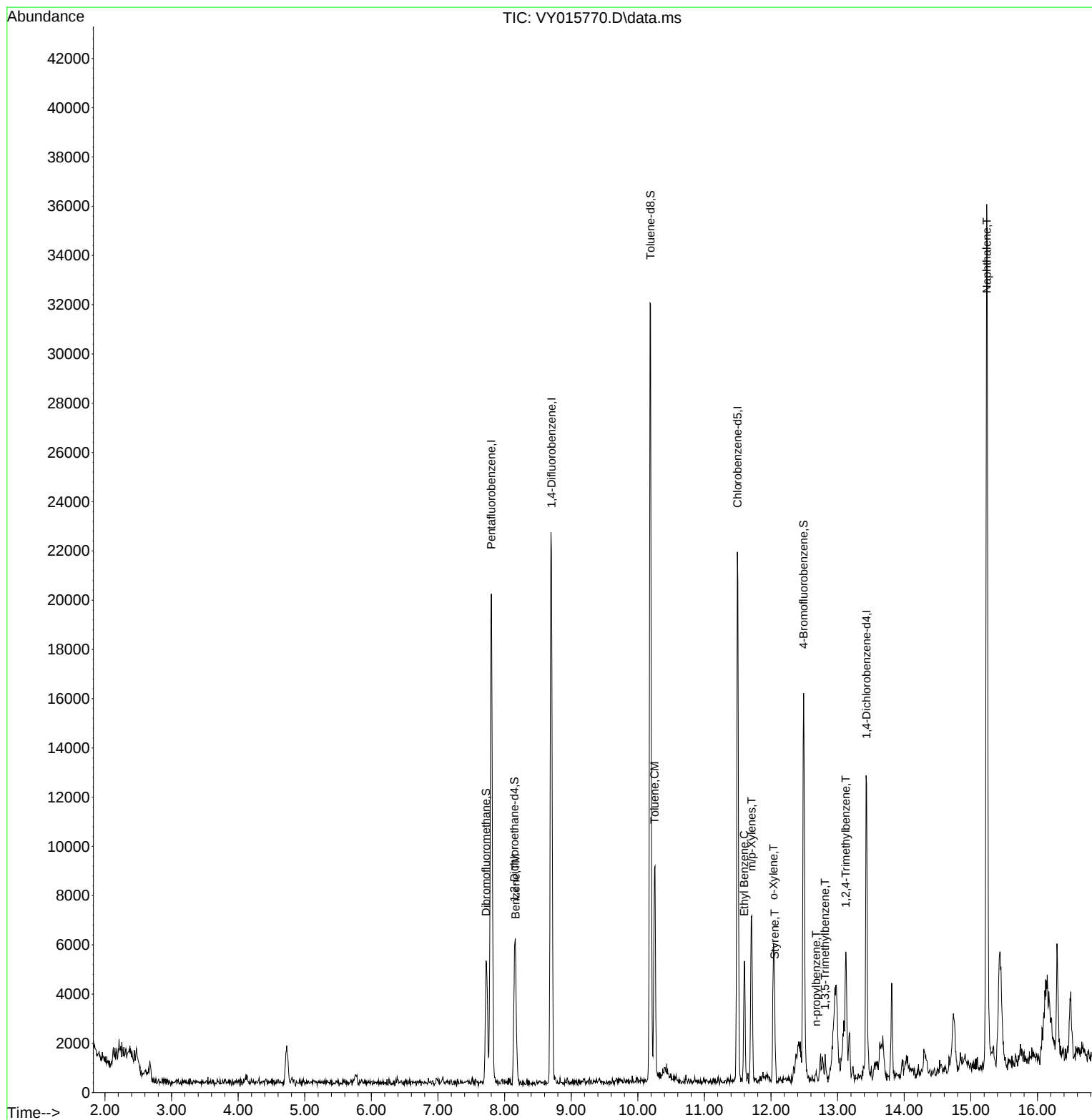
Internal Standards						
1) Pentafluorobenzene	7.801	168	16200	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	20437	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.496	117	12081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	3360	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	4394	24.651	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	49.300%#
35) Dibromofluoromethane	7.722	113	3759	30.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	61.460%
50) Toluene-d8	10.191	98	21836	52.648	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.300%
62) 4-Bromofluorobenzene	12.489	95	4133	25.393	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.780%
Target Compounds						
					Qvalue	
40) Benzene	8.167	78	1494	2.709	ug/l #	78
52) Toluene	10.252	92	3790	10.659	ug/l	98
67) Ethyl Benzene	11.599	91	3665	7.951	ug/l	99
68) m/p-Xylenes	11.709	106	2333	13.317	ug/l	85
69) o-Xylene	12.038	106	1318	7.672	ug/l	92
70) Styrene	12.057	104	1560	5.305	ug/l	94
78) n-propylbenzene	12.678	91	447	1.460	ug/l #	69
80) 1,3,5-Trimethylbenzene	12.813	105	496	2.351	ug/l	80
84) 1,2,4-Trimethylbenzene	13.123	105	1908	9.037	ug/l	95
95) Naphthalene	15.239	128	31962	171.835	ug/l	99

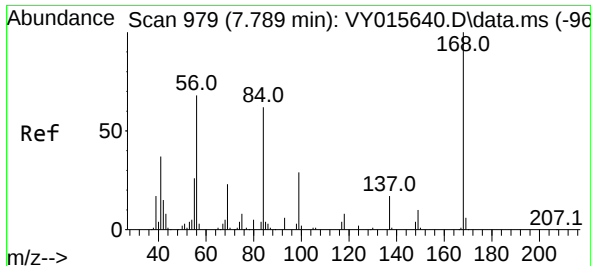
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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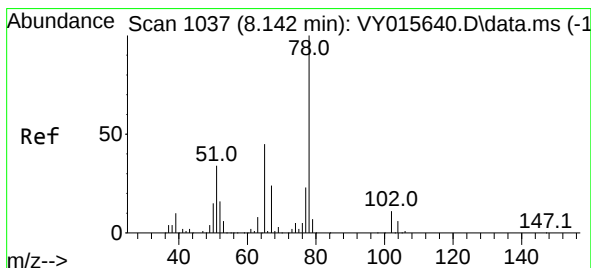
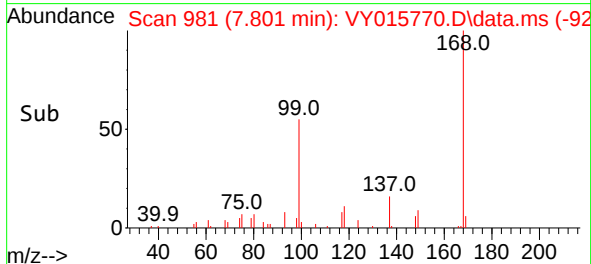
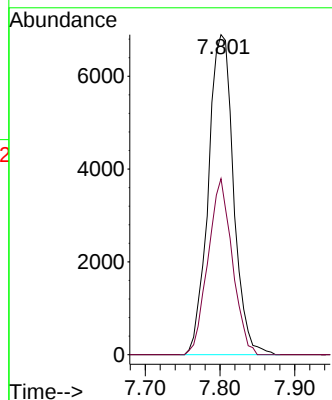
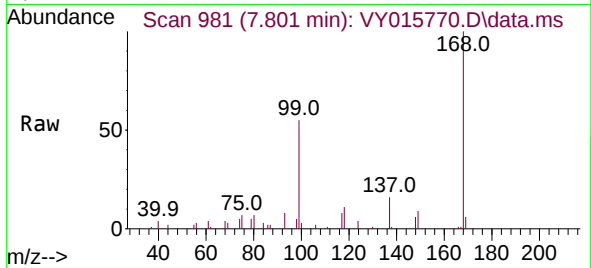




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

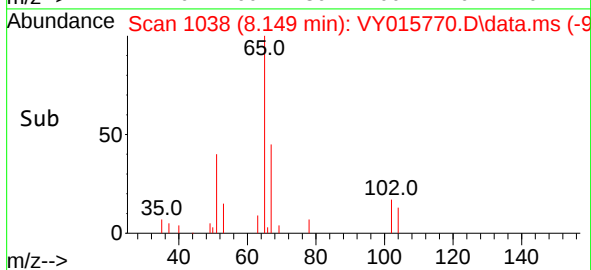
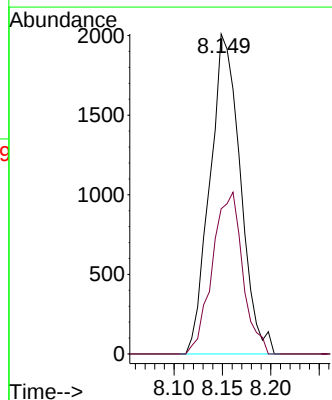
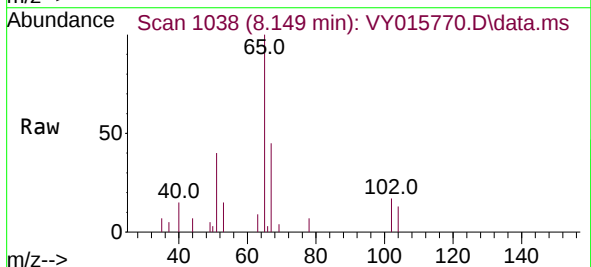
Instrument :
MSVOA_Y
ClientSampleId :
W-1(2-6IN)

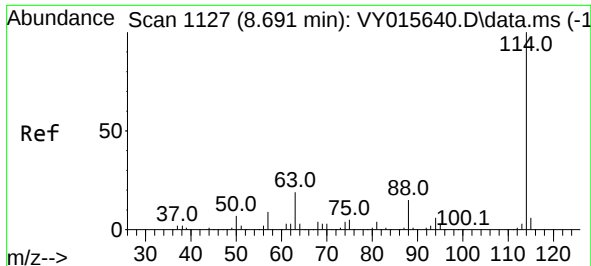
Tgt Ion:168 Resp: 16200
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 24.651 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

Tgt Ion: 65 Resp: 4394
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.018 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

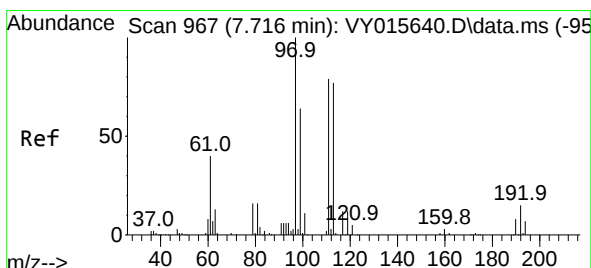
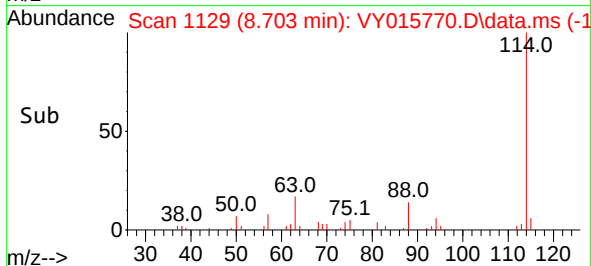
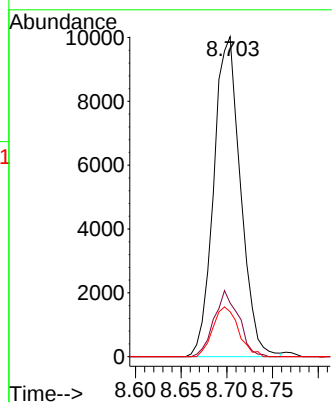
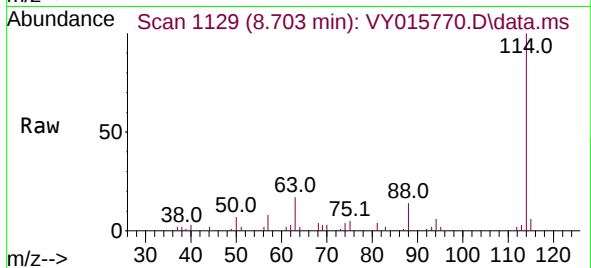
Instrument :

MSVOA_Y

ClientSampleId :

W-1(2-6IN)

Tgt Ion:114	Resp:	20437
Ion Ratio	Lower	Upper
114	100	
63	16.7	0.0 42.4
88	14.0	0.0 30.6



#35

Dibromofluoromethane

Concen: 30.730 ug/l

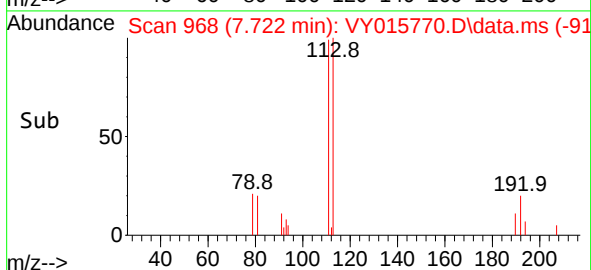
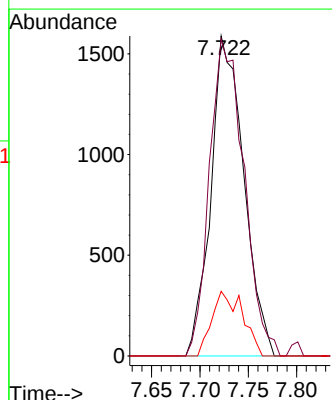
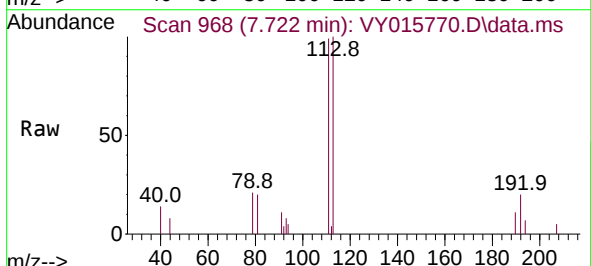
RT: 7.722 min Scan# 968

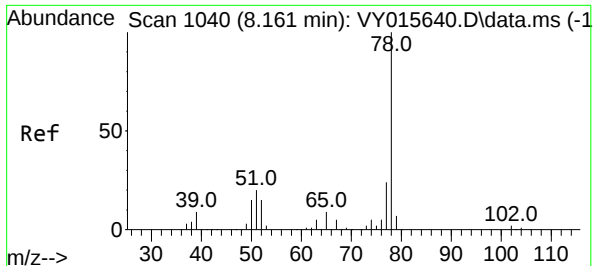
Delta R.T. 0.006 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

Tgt Ion:113	Resp:	3759
Ion Ratio	Lower	Upper
113	100	
111	103.6	81.3 121.9
192	18.8	16.9 25.3

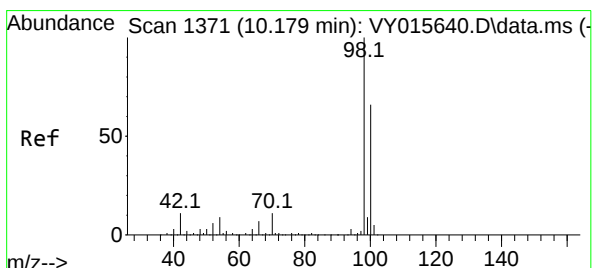
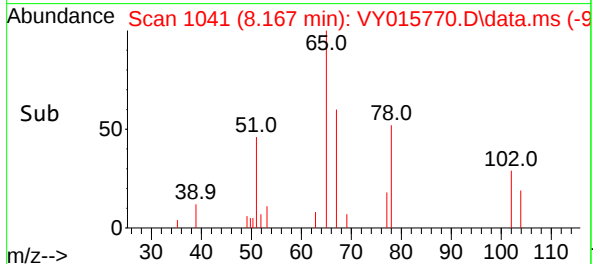
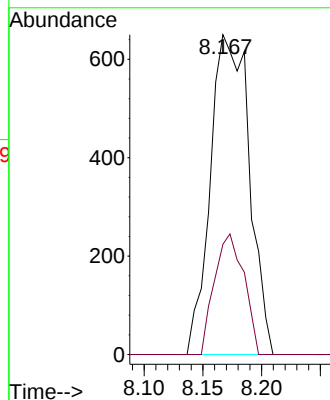
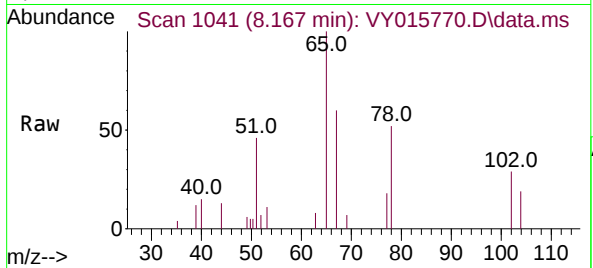




#40
Benzene
Concen: 2.709 ug/l
RT: 8.167 min Scan# 1040
Delta R.T. 0.018 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

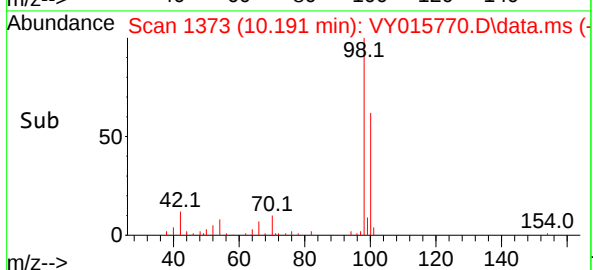
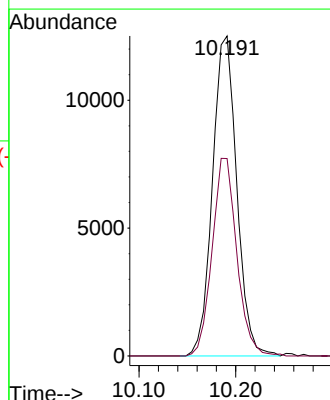
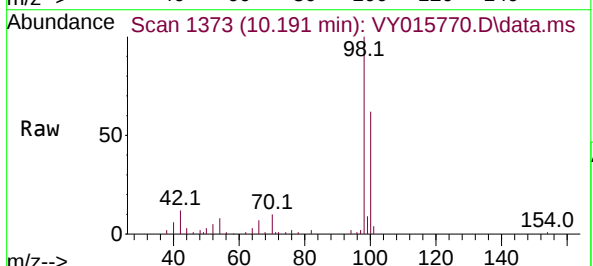
Instrument :
MSVOA_Y
ClientSampleId :
W-1(2-6IN)

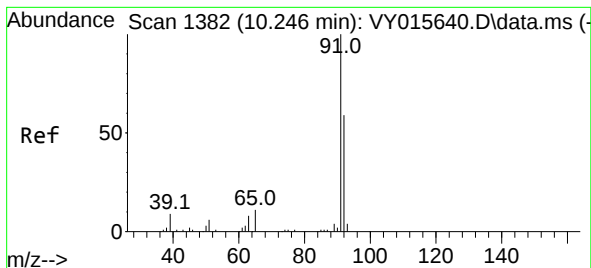
Tgt Ion: 78 Resp: 1494
Ion Ratio Lower Upper
78 100
77 34.5 19.0 28.6#



#50
Toluene-d8
Concen: 52.648 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

Tgt Ion: 98 Resp: 21836
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1





#52

Toluene

Concen: 10.659 ug/l

RT: 10.252 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :

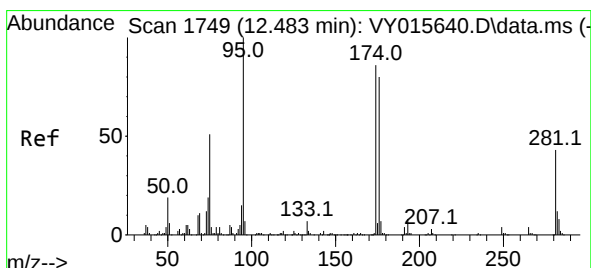
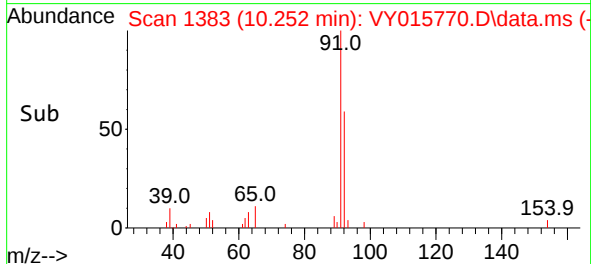
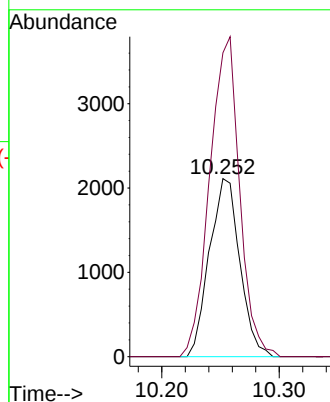
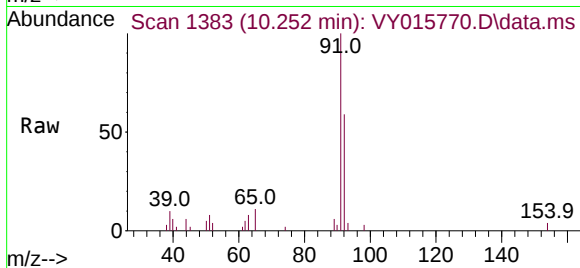
W-1(2-6IN)

Tgt Ion: 92 Resp: 3790

Ion Ratio Lower Upper

92 100

91 176.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 25.393 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

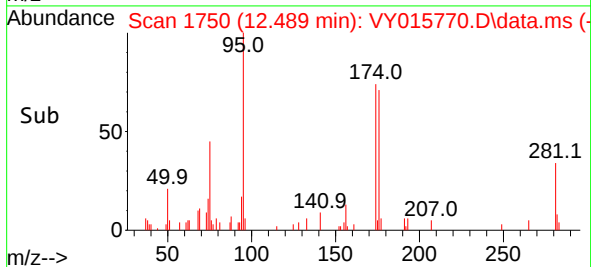
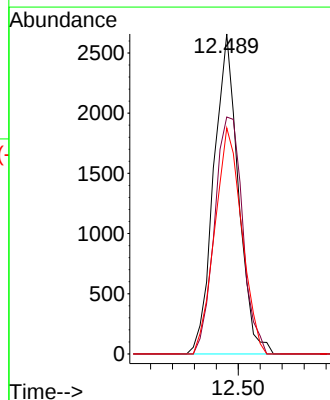
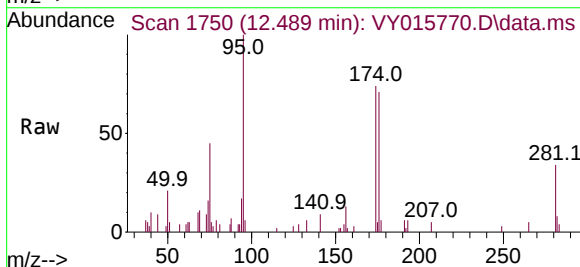
Tgt Ion: 95 Resp: 4133

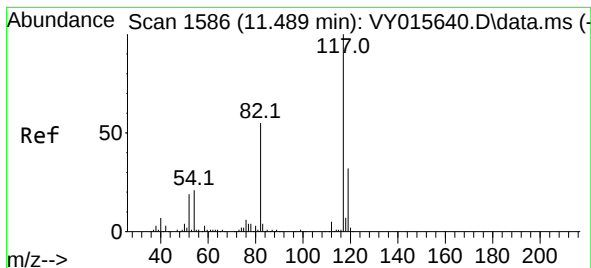
Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 77.8 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: VY015770.D

Acq: 29 Sep 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :

W-1(2-6IN)

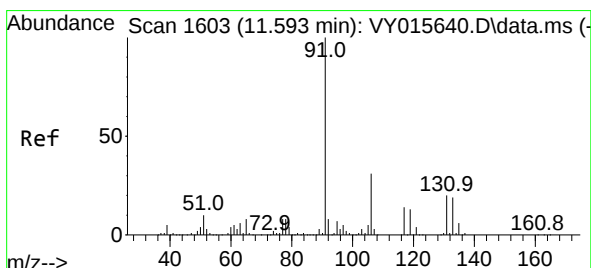
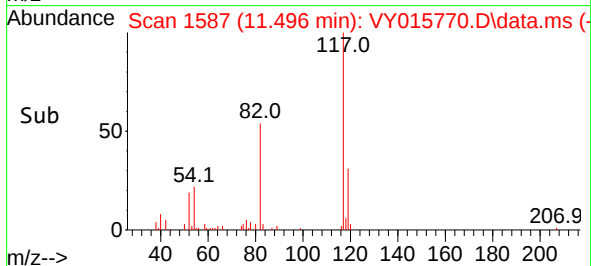
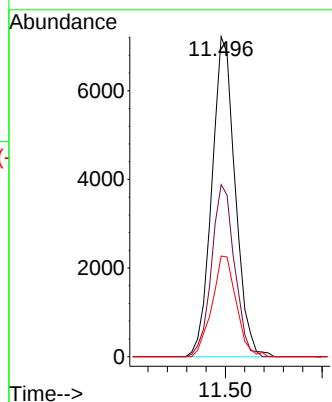
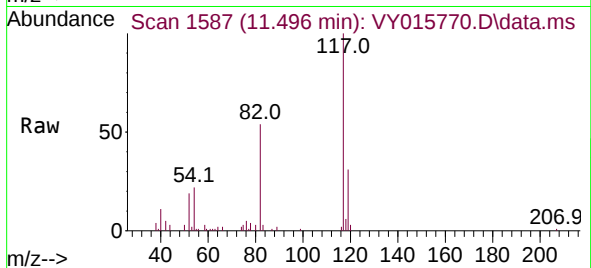
Tgt Ion:117 Resp: 12081

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.5 26.3 39.5



#67

Ethyl Benzene

Concen: 7.951 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015770.D

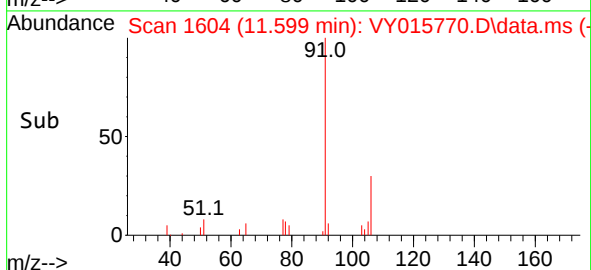
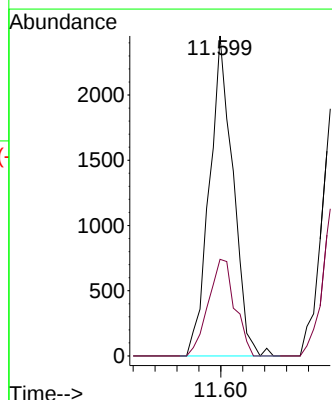
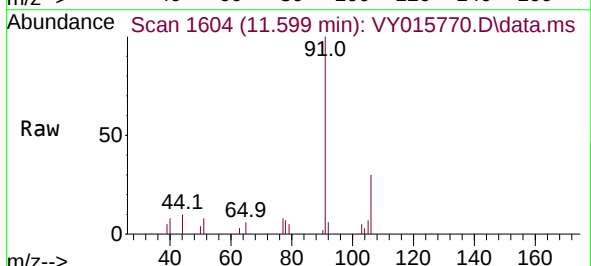
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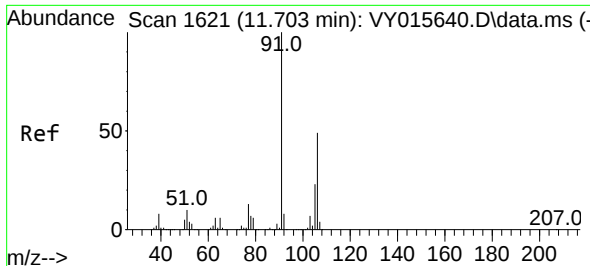
Tgt Ion: 91 Resp: 3665

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8

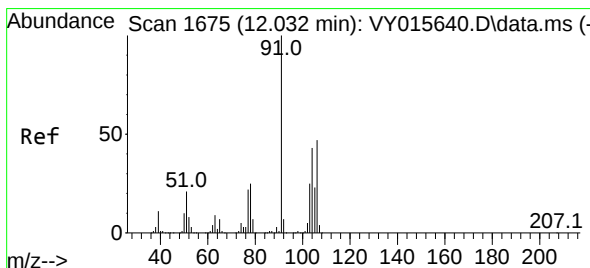
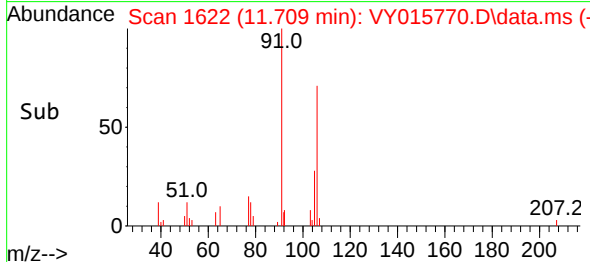
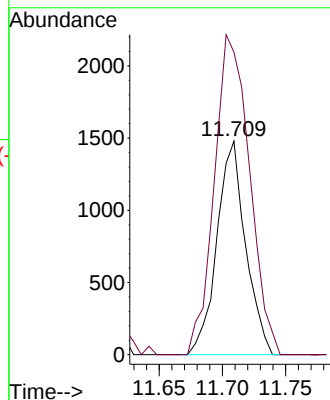
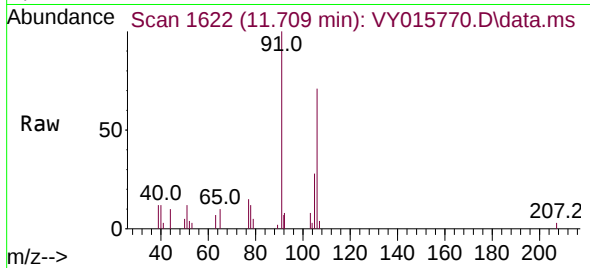




#68
m/p-Xylenes
Concen: 13.317 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

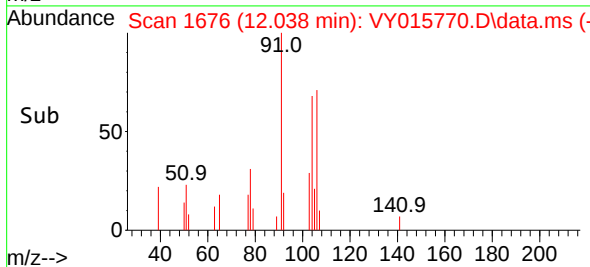
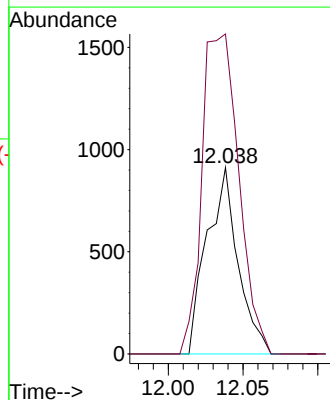
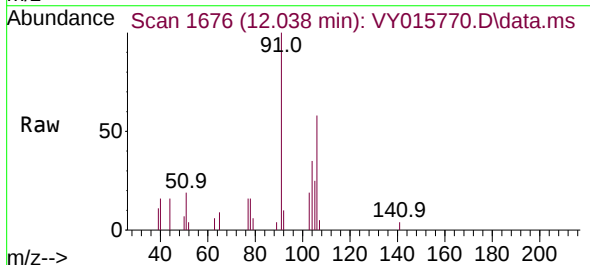
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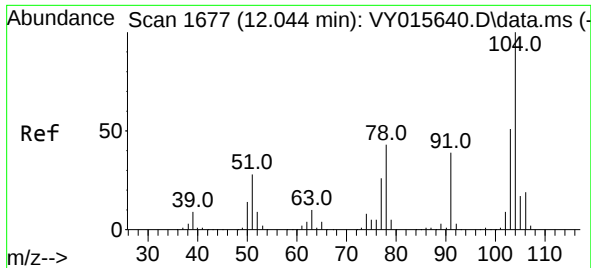
Tgt Ion:106 Resp: 2333
Ion Ratio Lower Upper
106 100
91 183.6 166.1 249.1



#69
o-Xylene
Concen: 7.672 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.012 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

Tgt Ion:106 Resp: 1318
Ion Ratio Lower Upper
106 100
91 203.4 108.1 324.3

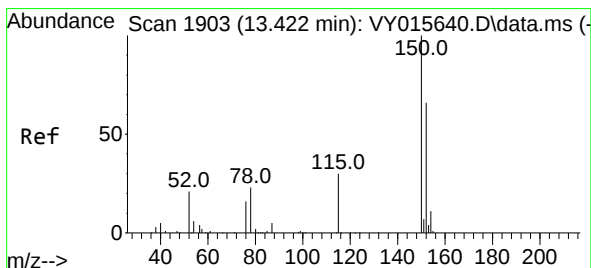
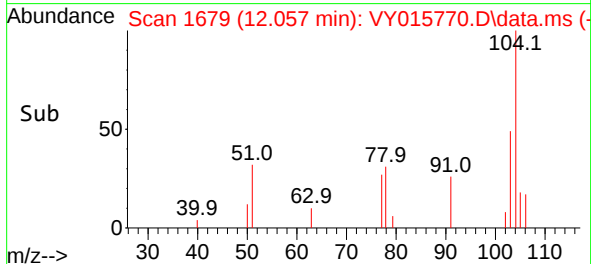
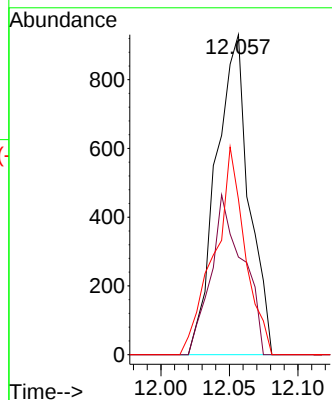
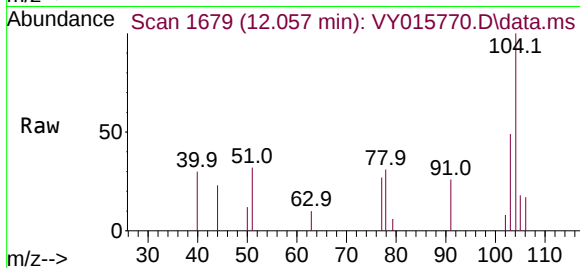




#70
Styrene
Concen: 5.305 ug/l
RT: 12.057 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

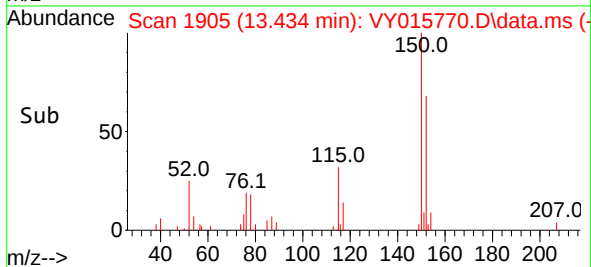
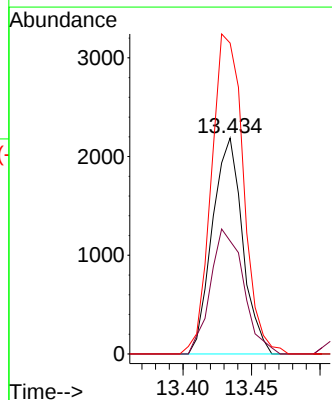
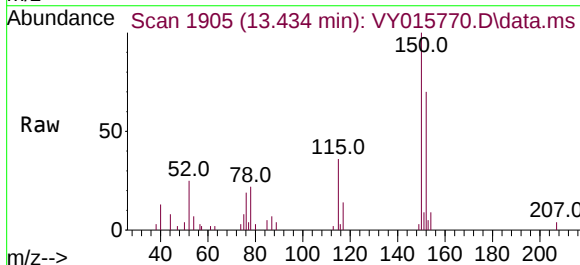
Instrument :
MSVOA_Y
ClientSampleId :
W-1(2-6IN)

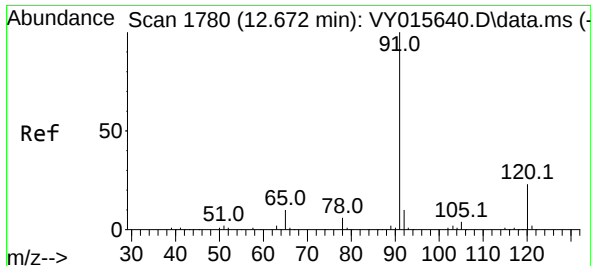
Tgt Ion:104 Resp: 1560
Ion Ratio Lower Upper
104 100
78 48.5 41.5 62.3
103 60.9 44.6 67.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

Tgt Ion:152 Resp: 3360
Ion Ratio Lower Upper
152 100
115 63.3 28.8 86.5
150 156.7 0.0 348.8

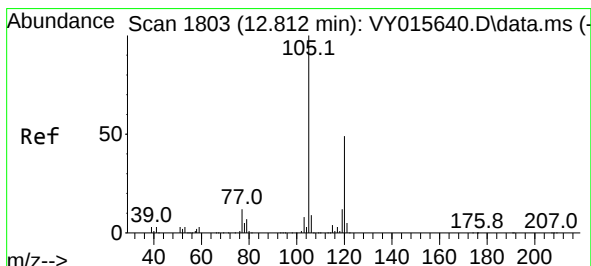
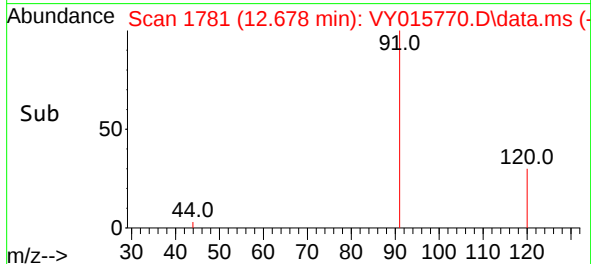
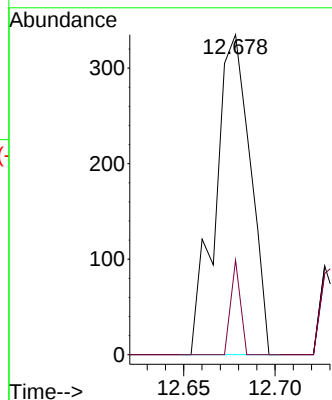
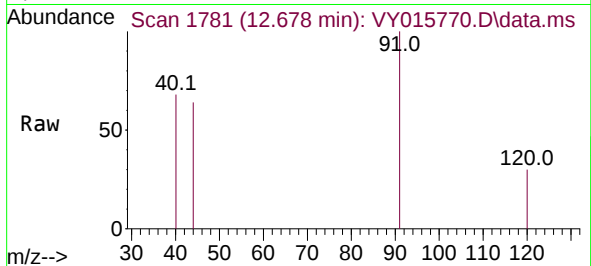




#78
n-propylbenzene
Concen: 1.460 ug/l
RT: 12.678 min Scan# 1780
Delta R.T. 0.012 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

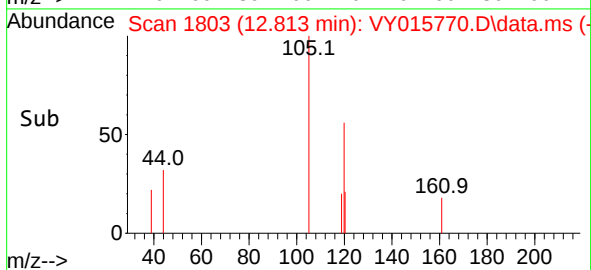
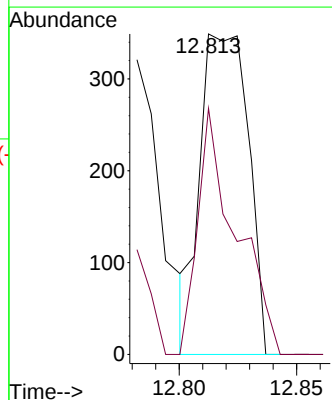
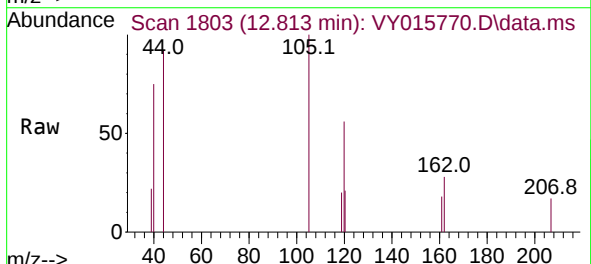
Instrument :
MSVOA_Y
ClientSampleId :
W-1(2-6IN)

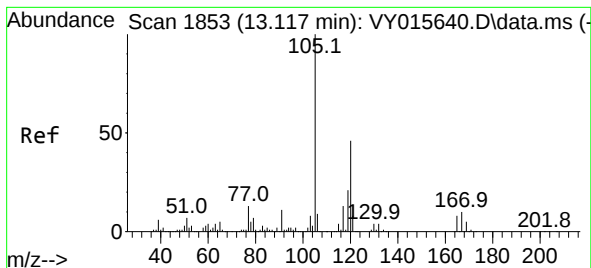
Tgt Ion: 91 Resp: 447
Ion Ratio Lower Upper
91 100
120 8.1 11.5 34.4#



#80
1,3,5-Trimethylbenzene
Concen: 2.351 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY015770.D
Acq: 29 Sep 2023 21:46

Tgt Ion: 105 Resp: 496
Ion Ratio Lower Upper
105 100
120 61.3 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 9.037 ug/l

RT: 13.123 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :

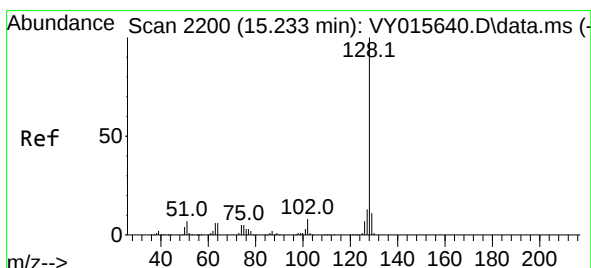
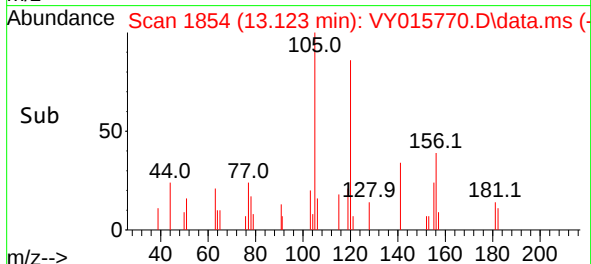
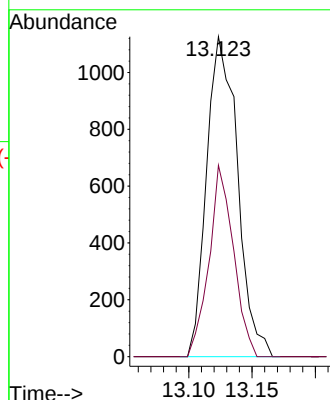
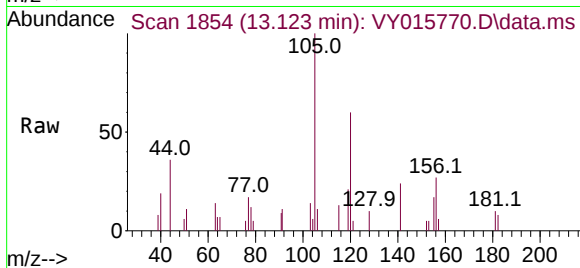
W-1(2-6IN)

Tgt Ion:105 Resp: 1908

Ion Ratio Lower Upper

105 100

120 47.4 22.2 66.6



#95

Naphthalene

Concen: 171.835 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015770.D

Acq: 29 Sep 2023 21:46

Tgt Ion:128 Resp: 31962

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.6 8.6 13.0

