

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015603.D
 Acq On : 16 Sep 2023 05:31
 Operator : SY/MD
 Sample : 04419-17
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(33-35)

Quant Time: Sep 16 07:02:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

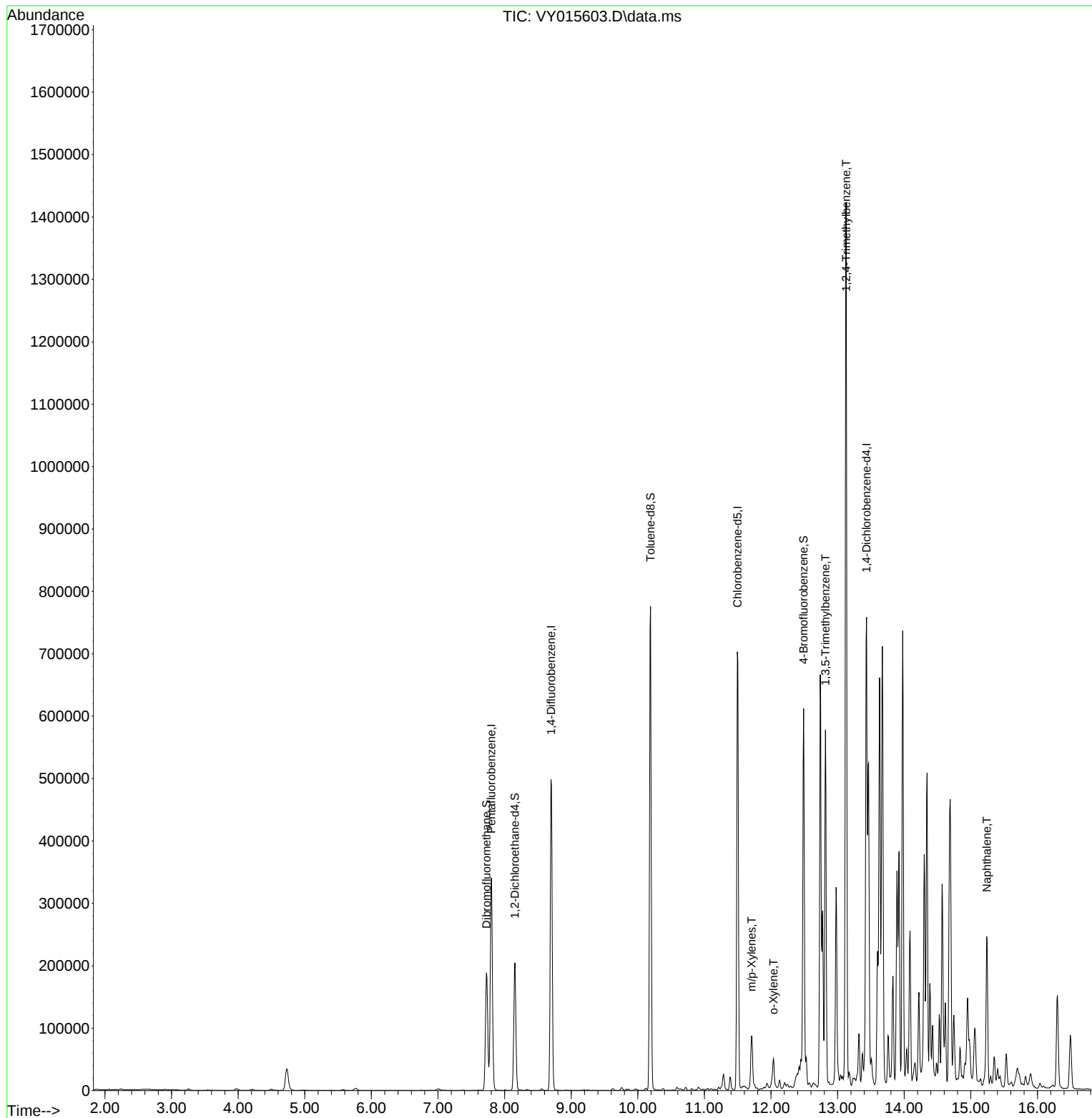
Internal Standards						
1) Pentafluorobenzene	7.801	168	265191	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	436686	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	394400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	189335	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	159489	56.103	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.200%
35) Dibromofluoromethane	7.728	113	137128	54.519	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.040%
50) Toluene-d8	10.191	98	510981	56.099	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.200%
62) 4-Bromofluorobenzene	12.489	95	183102	54.149	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.300%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.709	106	24280	4.105	ug/l	95
69) o-Xylene	12.038	106	11589	2.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	277618	23.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	767459	64.980	ug/l	97
95) Naphthalene	15.239	128	194399	20.592	ug/l	98

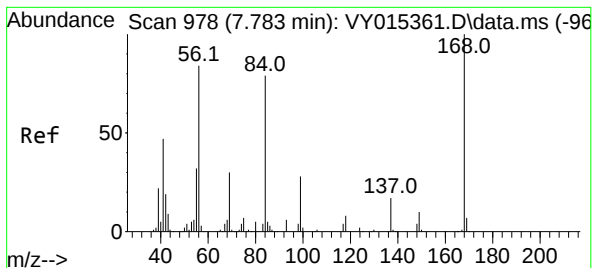
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 9

Delta R.T. 0.018 min

Lab File: VY015603.D

Acq: 16 Sep 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :

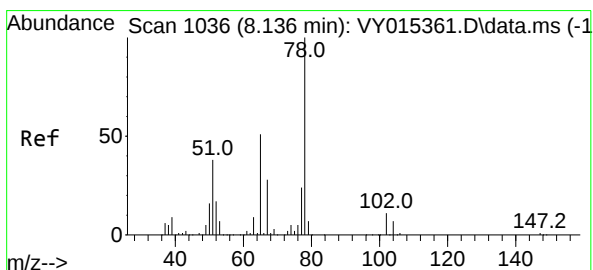
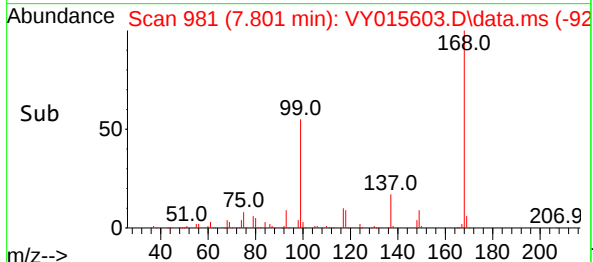
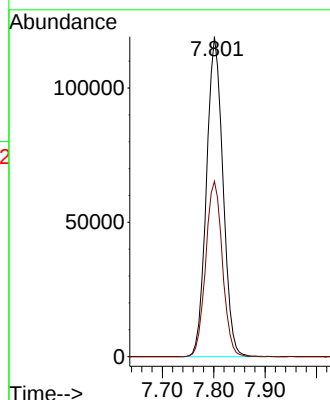
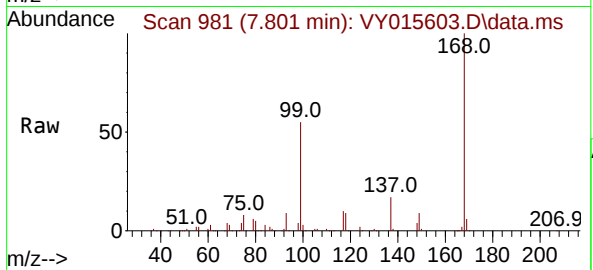
DB-08(33-35)

Tgt Ion:168 Resp: 265191

Ion Ratio Lower Upper

168 100

99 54.8 43.4 65.0



#33

1,2-Dichloroethane-d4

Concen: 56.103 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.018 min

Lab File: VY015603.D

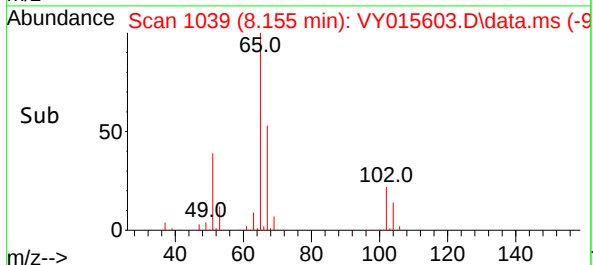
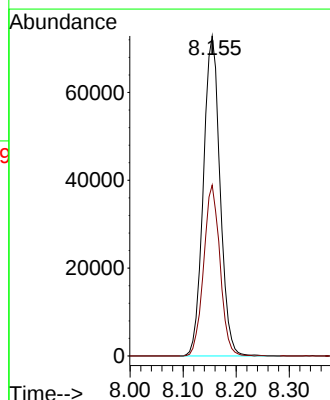
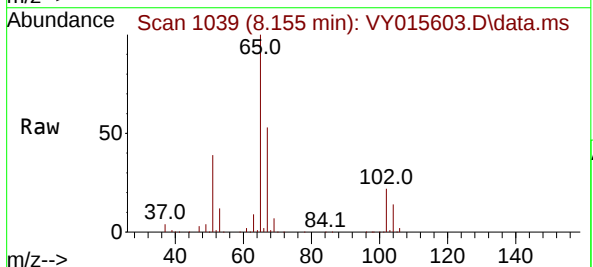
Acq: 16 Sep 2023 05:31

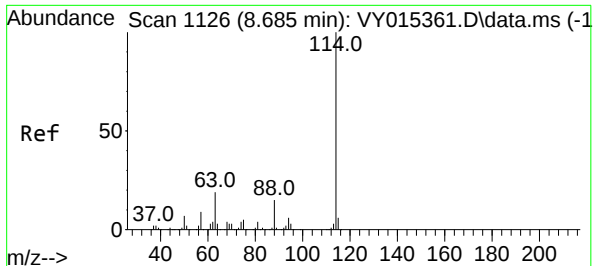
Tgt Ion: 65 Resp: 159489

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY015603.D

Acq: 16 Sep 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(33-35)

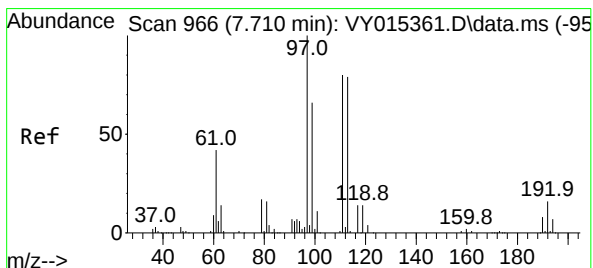
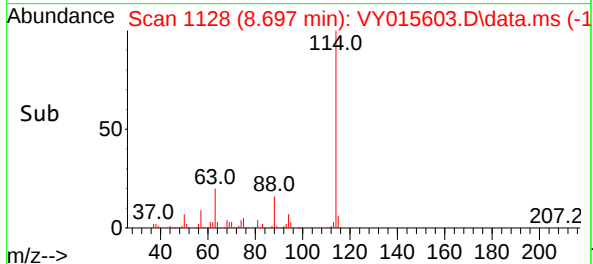
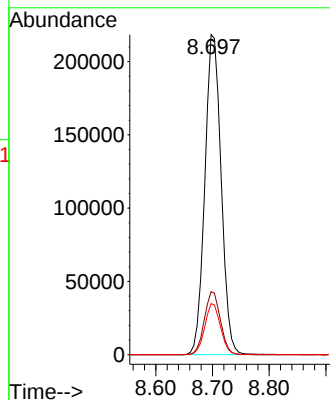
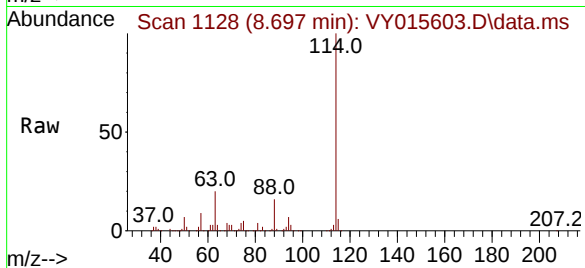
Tgt Ion:114 Resp: 436686

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.519 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015603.D

Acq: 16 Sep 2023 05:31

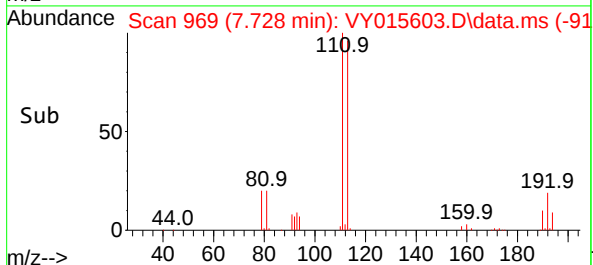
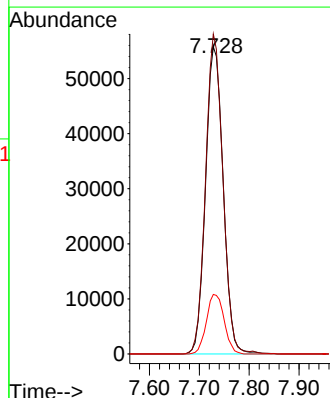
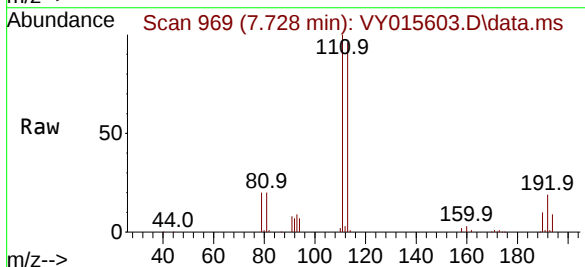
Tgt Ion:113 Resp: 137128

Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 19.5 16.9 25.3

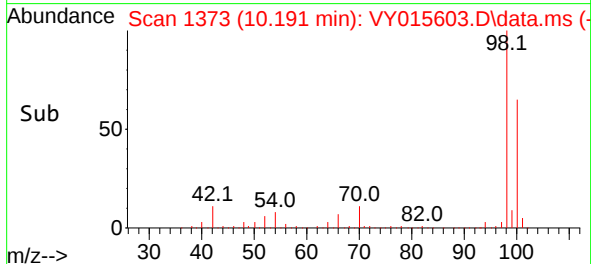
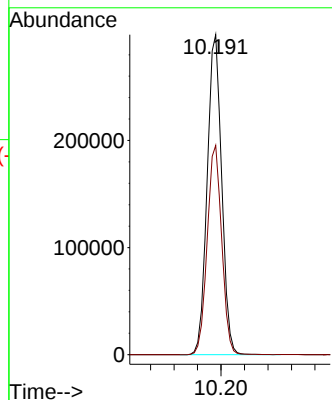
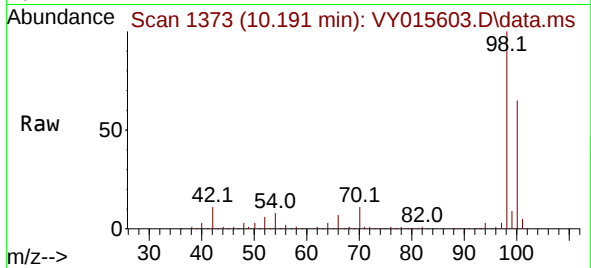




#50
Toluene-d8
Concen: 56.099 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015603.D
Acq: 16 Sep 2023 05:31

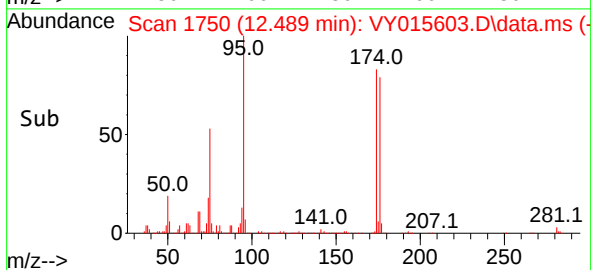
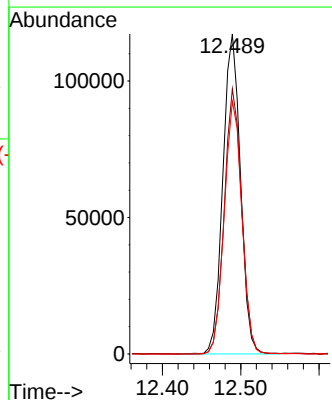
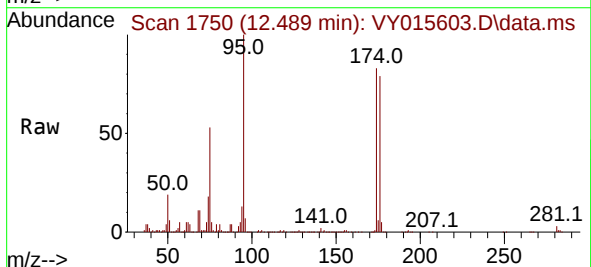
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(33-35)

Tgt Ion: 98 Resp: 510981
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.149 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015603.D
Acq: 16 Sep 2023 05:31

Tgt Ion: 95 Resp: 183102
Ion Ratio Lower Upper
95 100
174 82.3 0.0 178.2
176 79.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015603.D

Acq: 16 Sep 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(33-35)

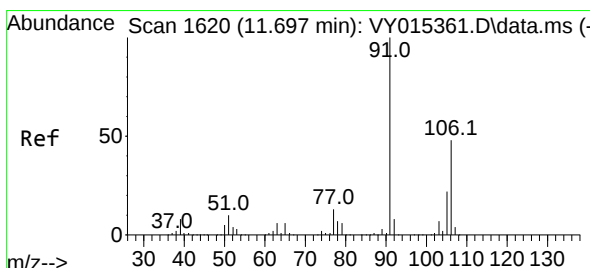
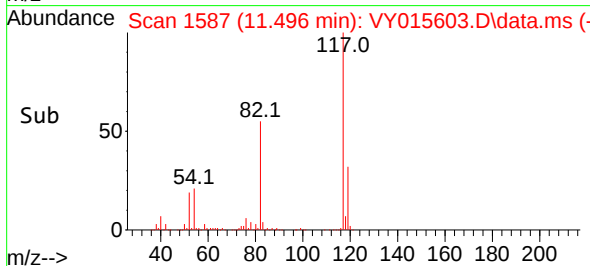
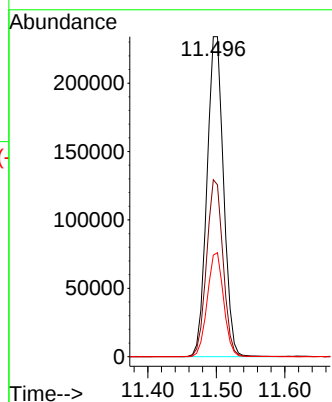
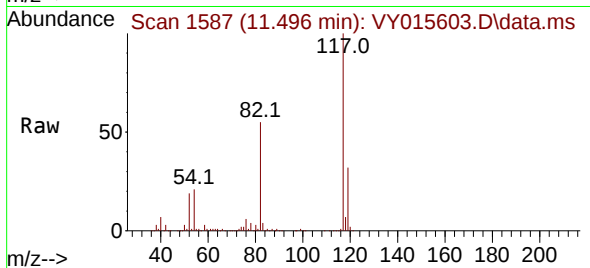
Tgt Ion:117 Resp: 394400

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 31.8 26.3 39.5



#68

m/p-Xylenes

Concen: 4.105 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015603.D

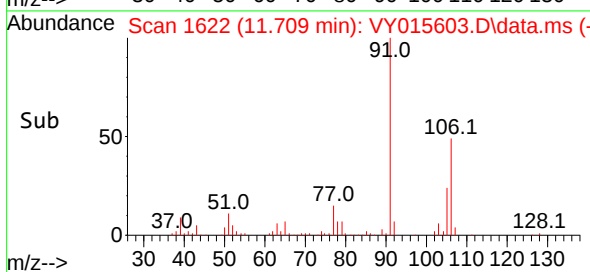
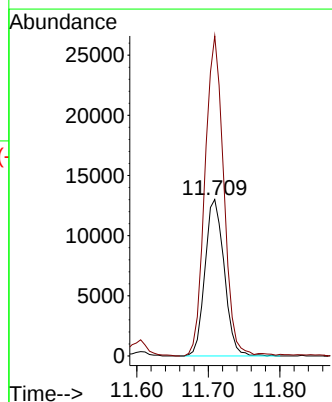
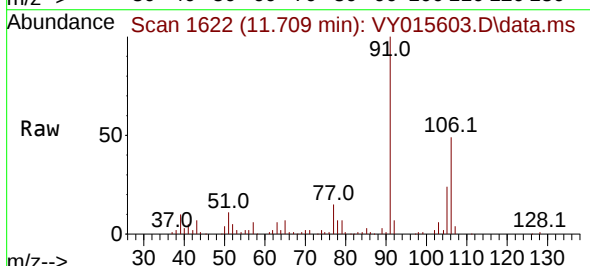
Acq: 16 Sep 2023 05:31

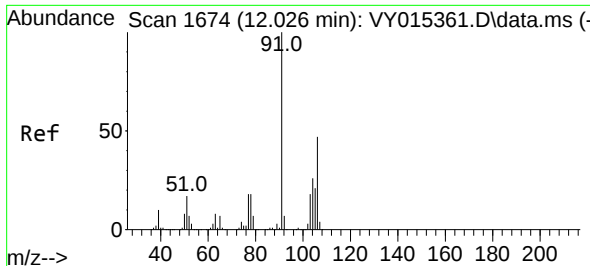
Tgt Ion:106 Resp: 24280

Ion Ratio Lower Upper

106 100

91 199.6 166.1 249.1

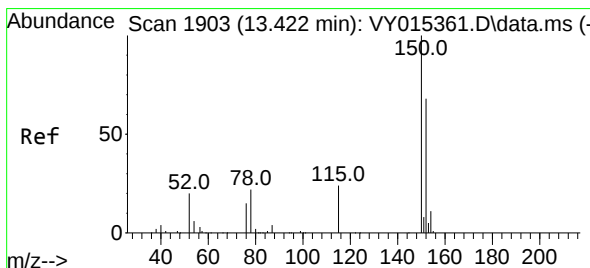
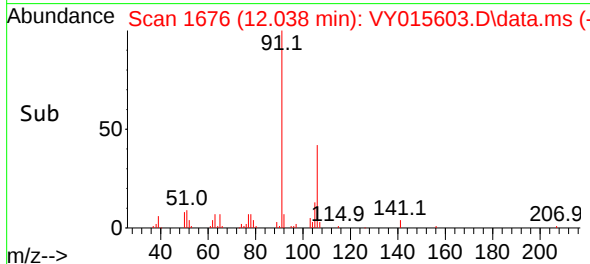
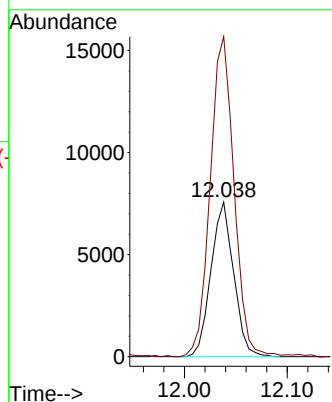
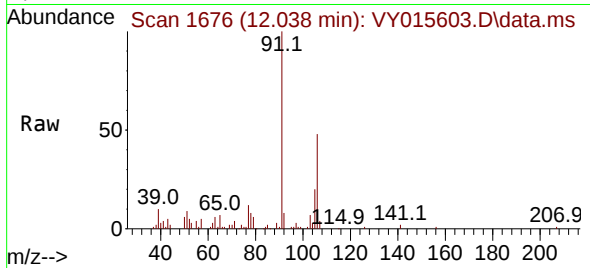




#69
o-Xylene
Concen: 2.050 ug/l
RT: 12.038 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015603.D
Acq: 16 Sep 2023 05:31

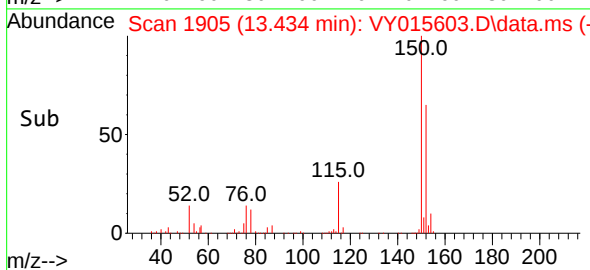
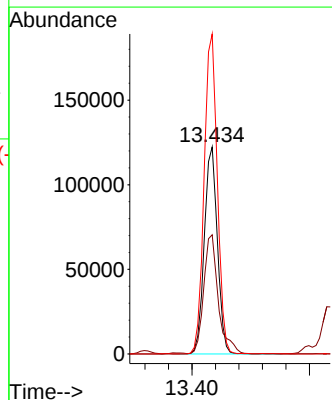
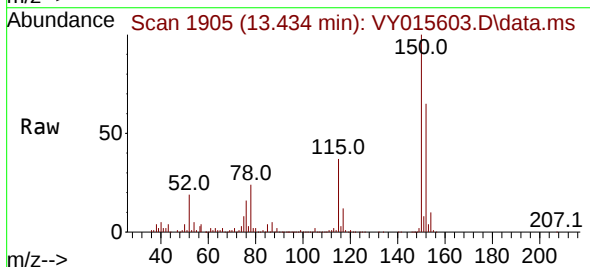
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(33-35)

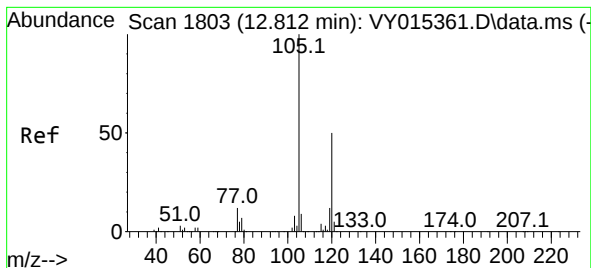
Tgt Ion:106 Resp: 11589
Ion Ratio Lower Upper
106 100
91 217.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY015603.D
Acq: 16 Sep 2023 05:31

Tgt Ion:152 Resp: 189335
Ion Ratio Lower Upper
152 100
115 63.9 28.8 86.5
150 155.7 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 23.338 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY015603.D

Acq: 16 Sep 2023 05:31

Instrument :

MSVOA_Y

ClientSampleId :

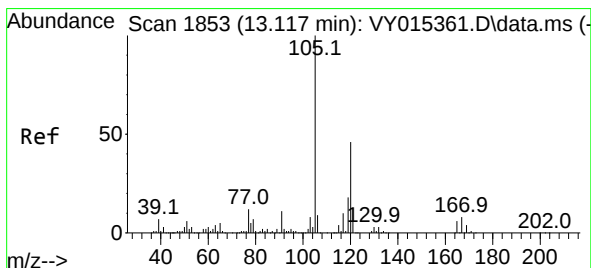
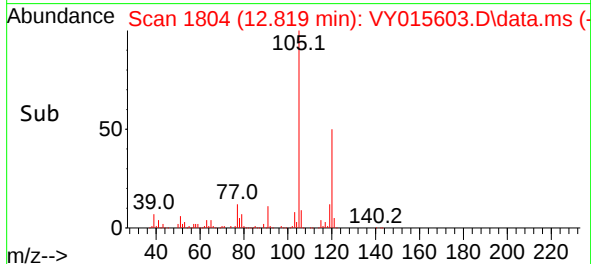
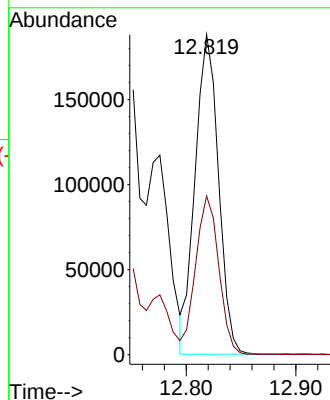
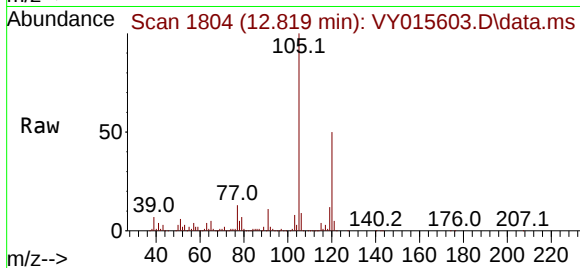
DB-08(33-35)

Tgt Ion:105 Resp: 277618

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 64.980 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY015603.D

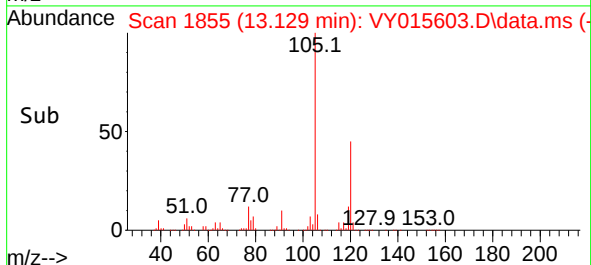
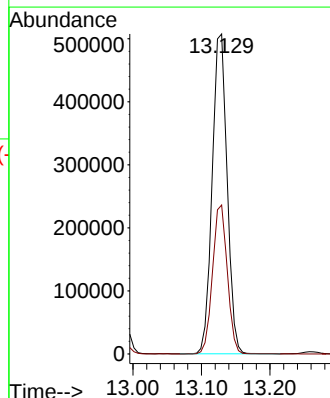
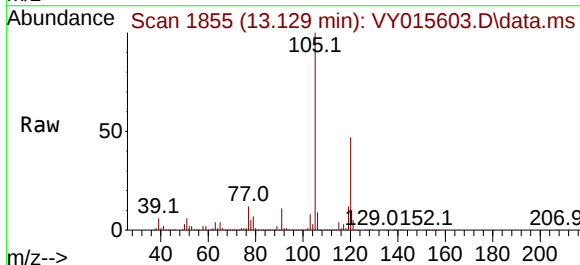
Acq: 16 Sep 2023 05:31

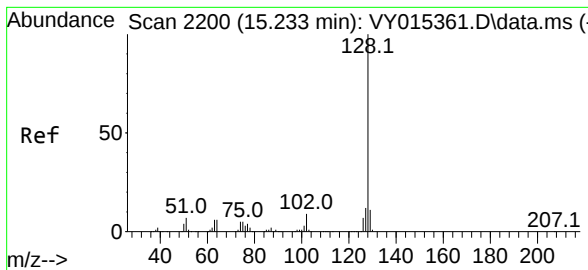
Tgt Ion:105 Resp: 767459

Ion Ratio Lower Upper

105 100

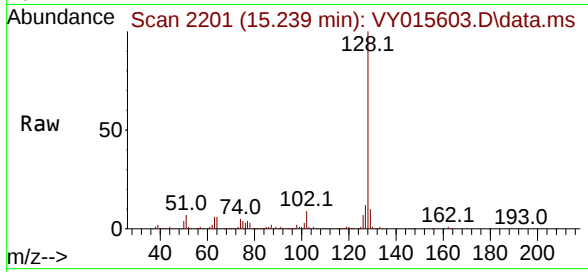
120 46.0 22.2 66.6





#95
Naphthalene
Concen: 20.592 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015603.D
Acq: 16 Sep 2023 05:31

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(33-35)



Tgt Ion:128 Resp: 194399

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.8	16.2
129	10.8	8.6	13.0

