

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016771.D
 Acq On : 21 Dec 2023 20:54
 Operator : SY/MD
 Sample : 05876-21
 Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COLY6

Quant Time: Dec 22 00:46:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	102130	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	202891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	180374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	64789	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	47936	51.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.820%
35) Dibromofluoromethane	7.740	113	50203	43.196	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.400%
50) Toluene-d8	10.197	98	199017	47.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.496	95	60100	44.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.440%

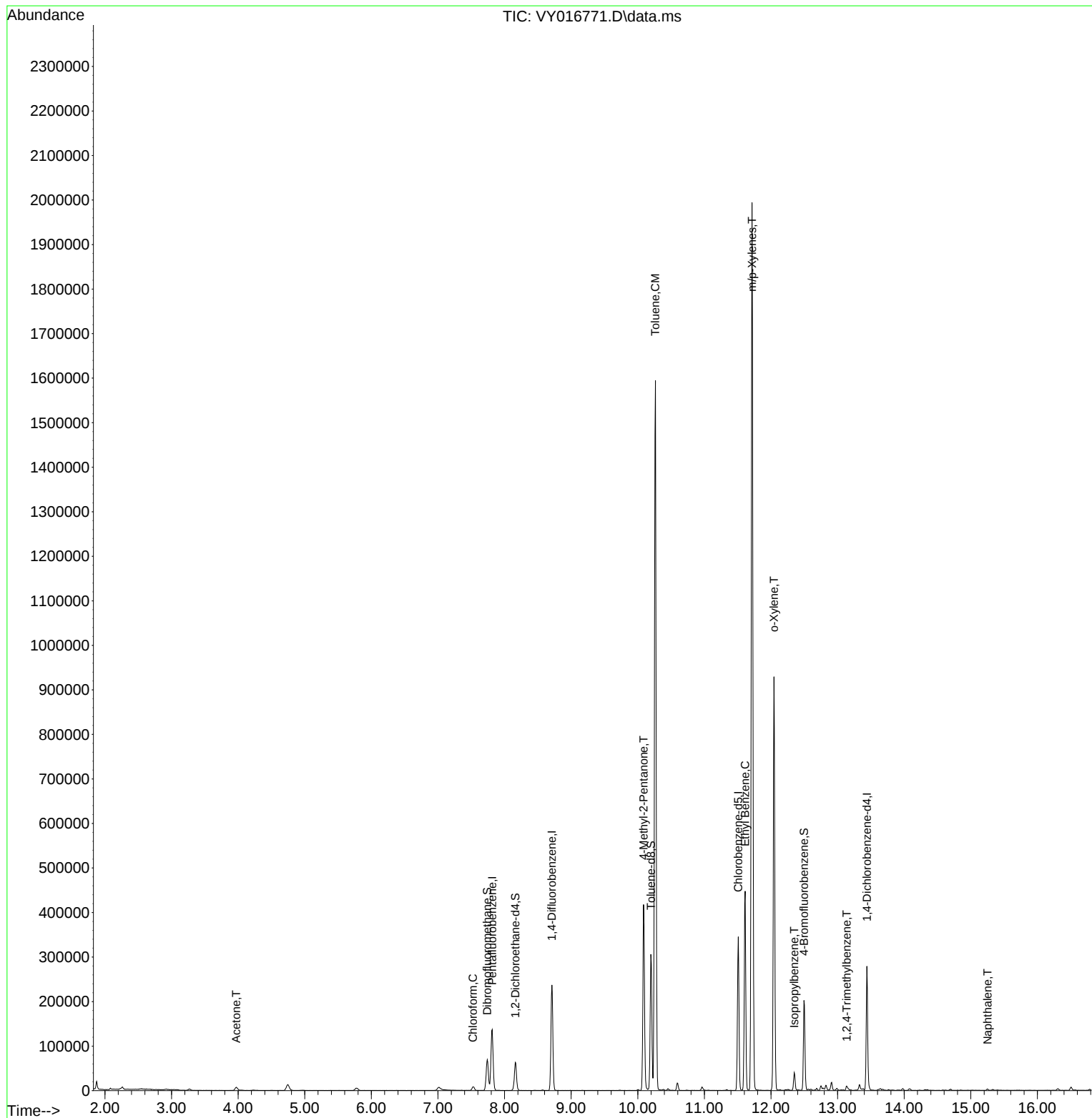
Target Compounds						Qvalue
16) Acetone	3.973	43	12887	51.116	ug/l	93
30) Chloroform	7.527	83	8269	4.025	ug/l	100
51) 4-Methyl-2-Pentanone	10.087	43	267205	323.323	ug/l	99
52) Toluene	10.264	92	658113	202.545	ug/l	100
67) Ethyl Benzene	11.612	91	306918	47.053	ug/l	99
68) m/p-Xylenes	11.715	106	579391	240.543	ug/l	99
69) o-Xylene	12.044	106	235923	106.765	ug/l	99
73) Isopropylbenzene	12.349	105	8689	1.722	ug/l	100
84) 1,2,4-Trimethylbenzene	13.136	105	5298	1.345	ug/l	99
95) Naphthalene	15.251	128	2819	4.844	ug/l	98

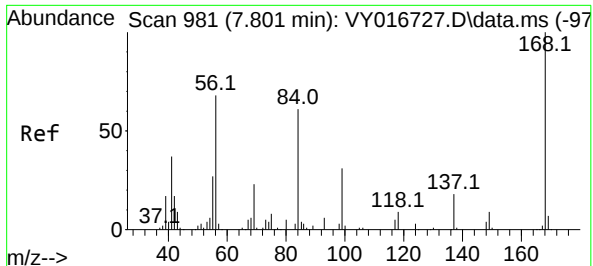
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
Data File : VY016771.D
Acq On : 21 Dec 2023 20:54
Operator : SY/MD
Sample : 05876-21
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C0LY6

Quant Time: Dec 22 00:46:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

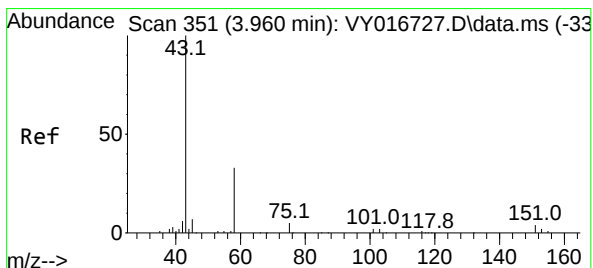
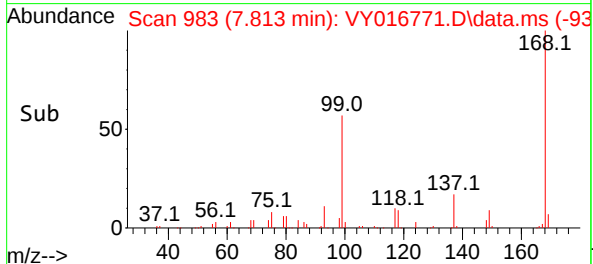
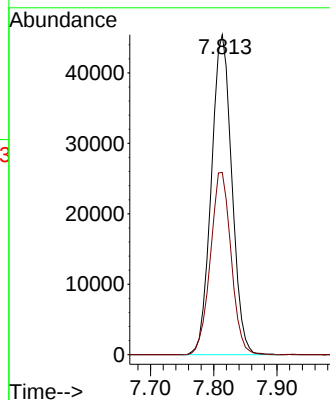
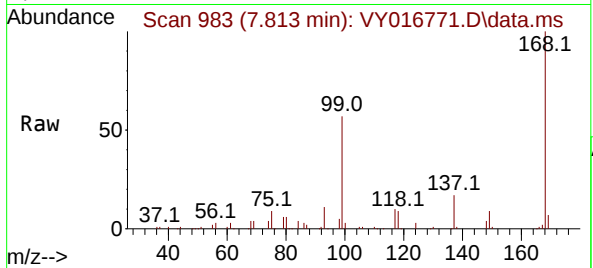




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

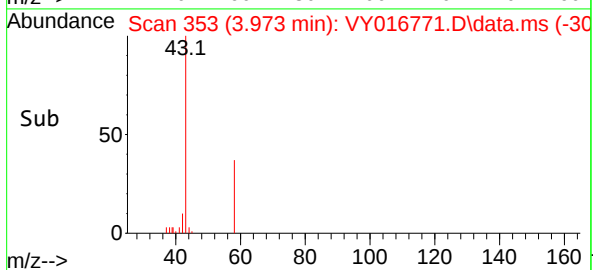
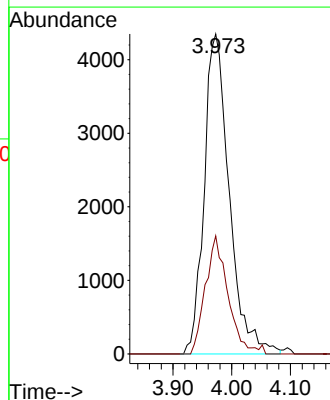
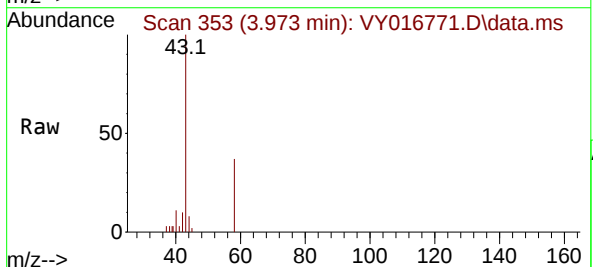
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

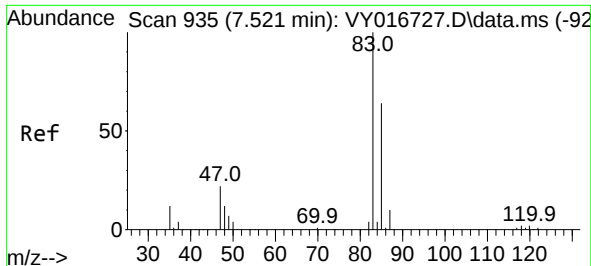
Tgt Ion:168 Resp: 102130
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#16
Acetone
Concen: 51.116 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion: 43 Resp: 12887
Ion Ratio Lower Upper
43 100
58 36.9 26.6 39.8

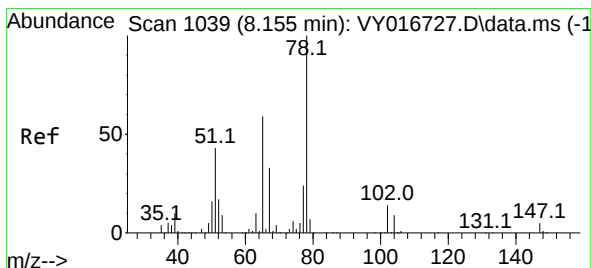
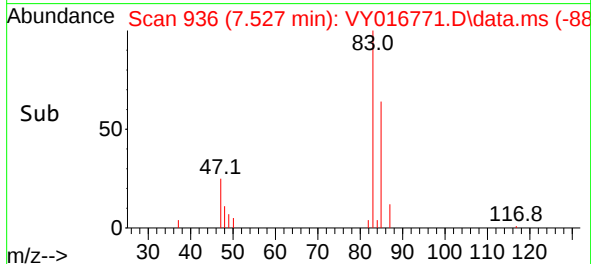
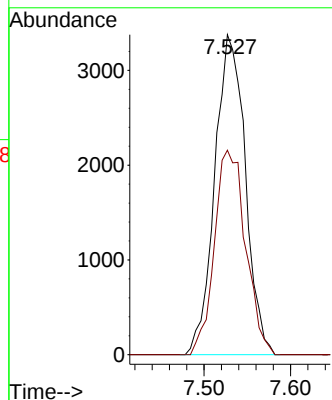
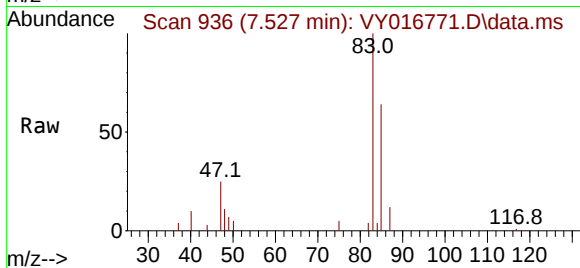




#30
Chloroform
Concen: 4.025 ug/l
RT: 7.527 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

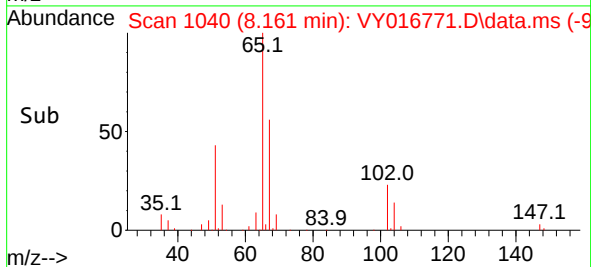
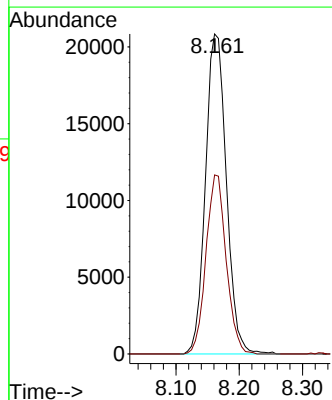
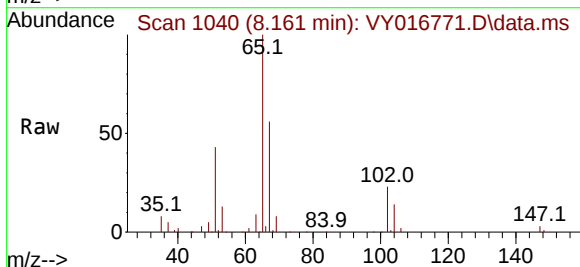
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

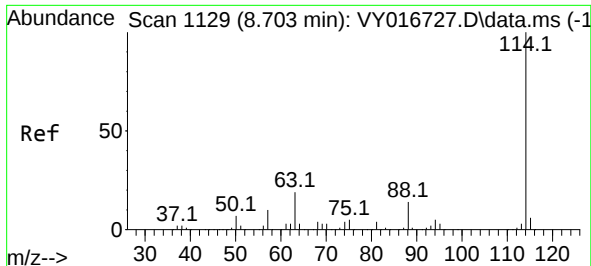
Tgt Ion: 83 Resp: 8269
Ion Ratio Lower Upper
83 100
85 63.9 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 51.415 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion: 65 Resp: 47936
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY016771.D

Acq: 21 Dec 2023 20:54

Instrument :

MSVOA_Y

ClientSampleId :

C0LY6

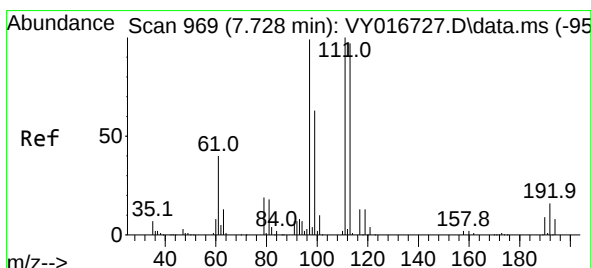
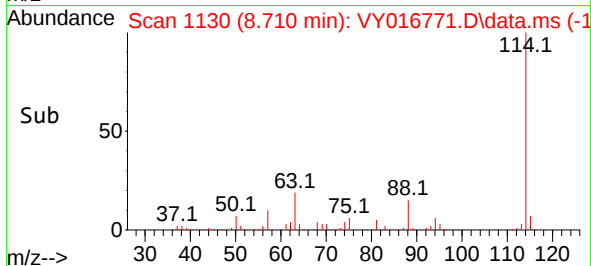
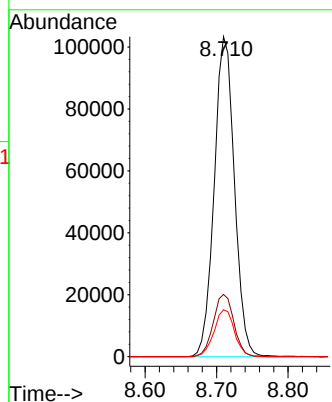
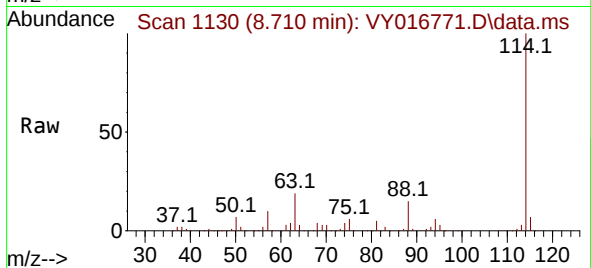
Tgt Ion:114 Resp: 202891

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 43.196 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.013 min

Lab File: VY016771.D

Acq: 21 Dec 2023 20:54

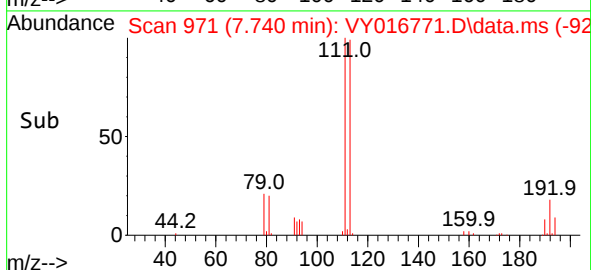
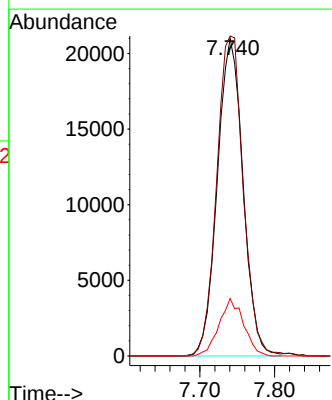
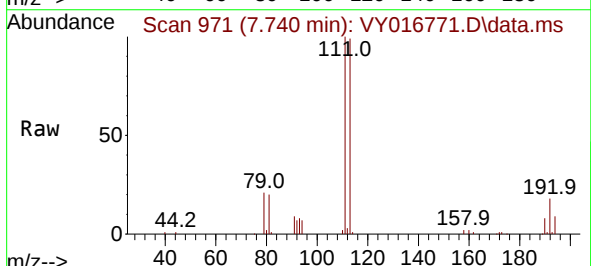
Tgt Ion:113 Resp: 50203

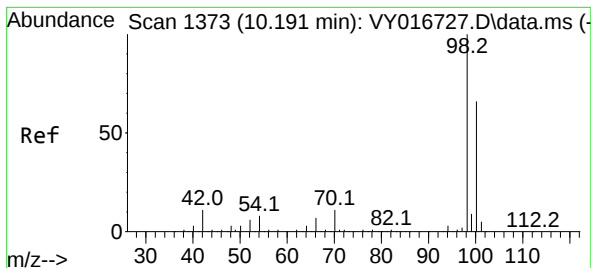
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 17.3 14.5 21.7





#50

Toluene-d8

Concen: 47.502 ug/l

RT: 10.197 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY016771.D

Acq: 21 Dec 2023 20:54

Instrument :

MSVOA_Y

ClientSampleId :

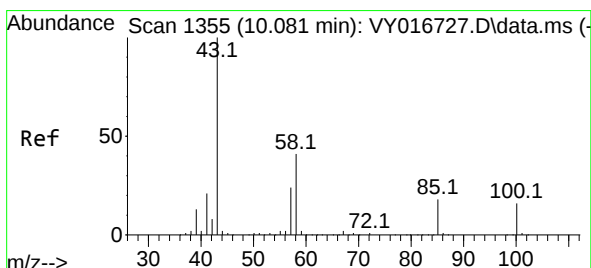
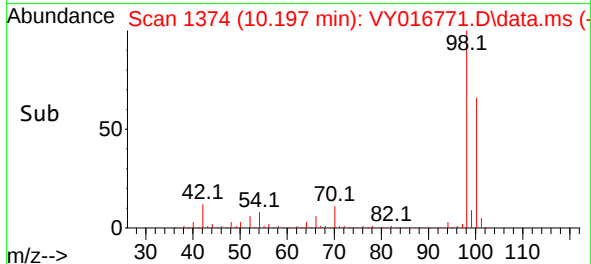
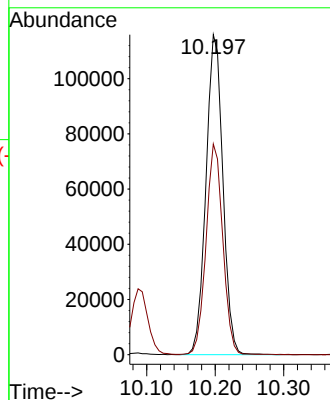
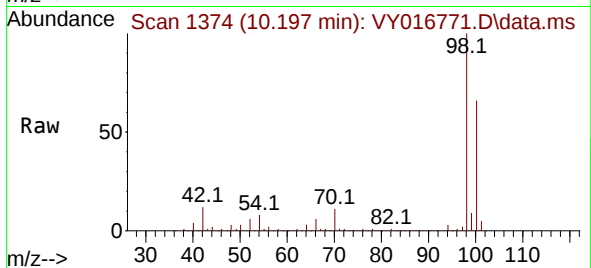
C0LY6

Tgt Ion: 98 Resp: 199017

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 323.323 ug/l

RT: 10.087 min Scan# 1356

Delta R.T. 0.006 min

Lab File: VY016771.D

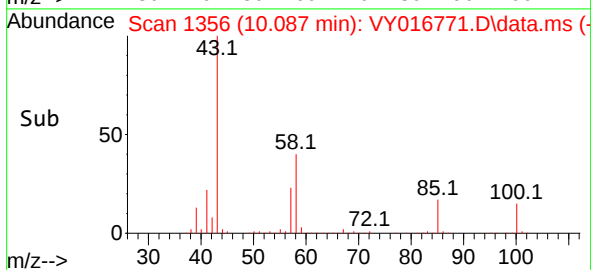
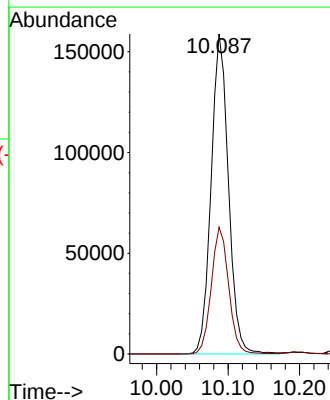
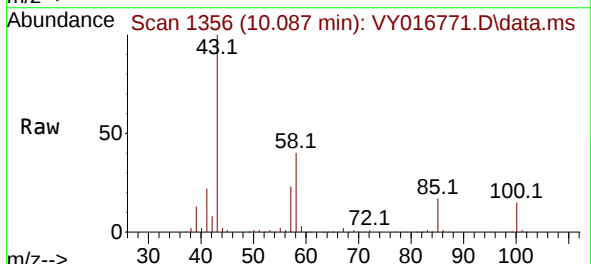
Acq: 21 Dec 2023 20:54

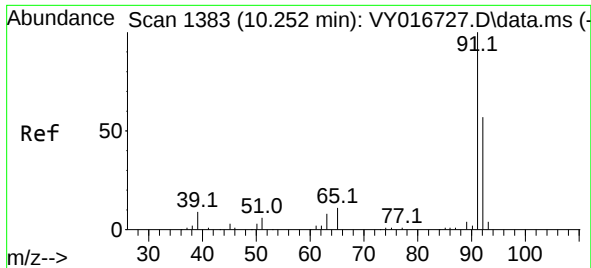
Tgt Ion: 43 Resp: 267205

Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.2

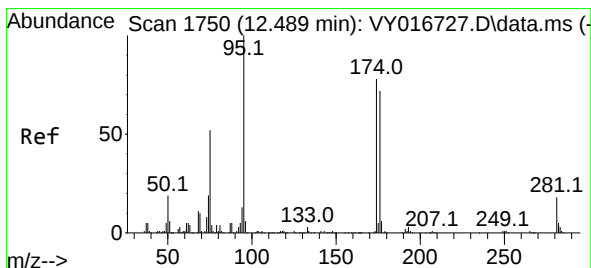
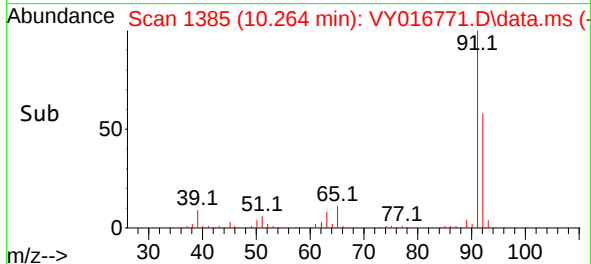
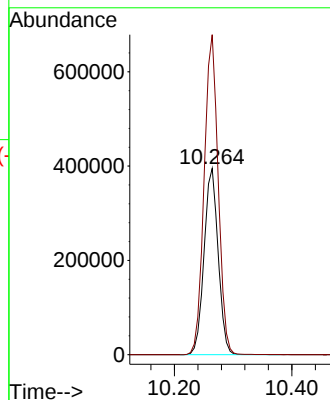
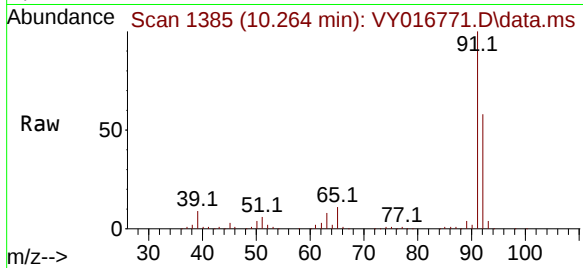




#52
Toluene
Concen: 202.545 ug/l
RT: 10.264 min Scan# 1385
Delta R.T. 0.012 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

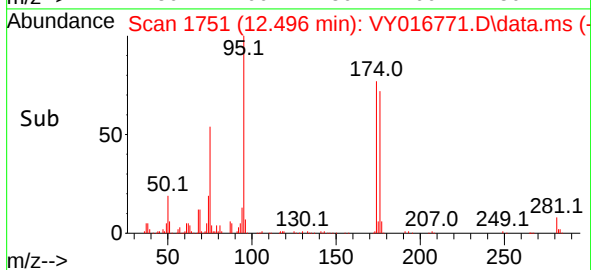
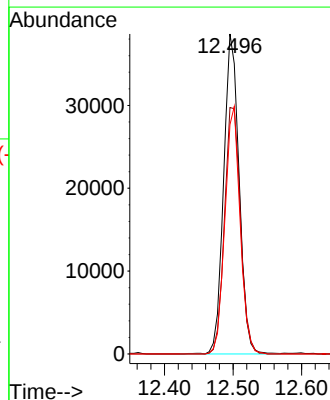
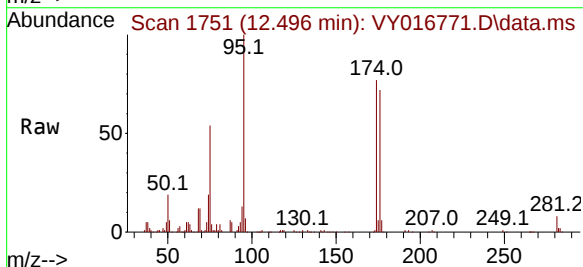
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

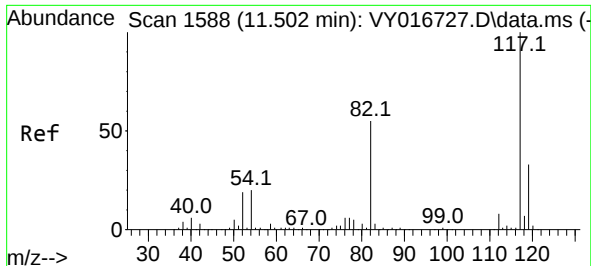
Tgt Ion: 92 Resp: 658113
Ion Ratio Lower Upper
92 100
91 171.4 137.6 206.4



#62
4-Bromofluorobenzene
Concen: 44.216 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion: 95 Resp: 60100
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.0
176 75.9 0.0 151.8

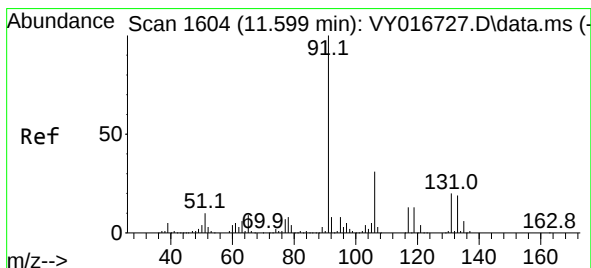
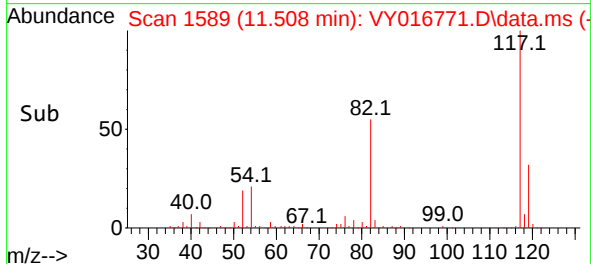
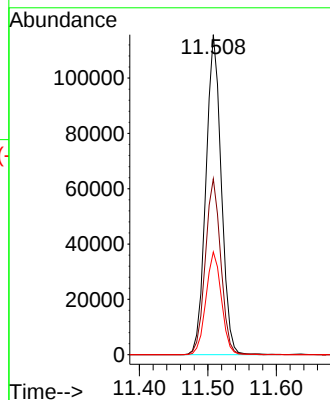
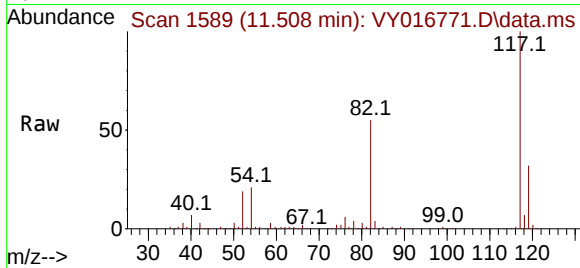




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

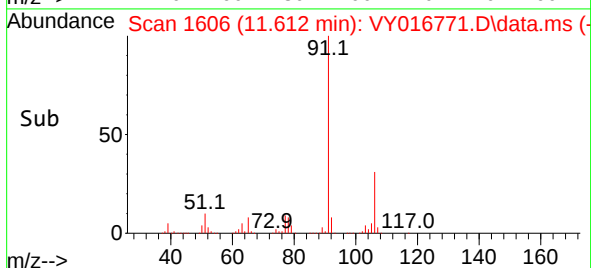
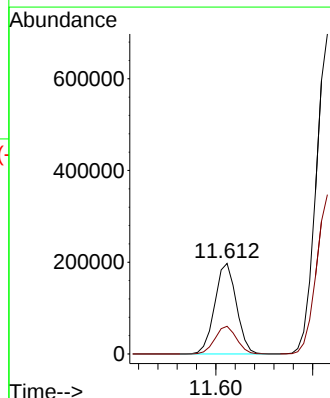
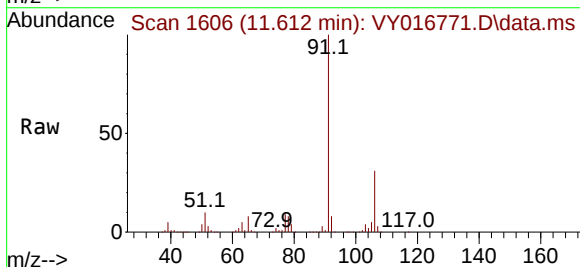
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

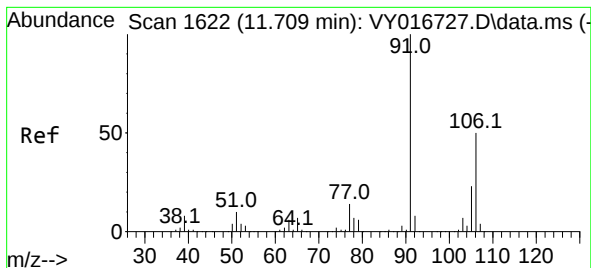
Tgt Ion:117 Resp: 180374
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 32.1 26.5 39.7



#67
Ethyl Benzene
Concen: 47.053 ug/l
RT: 11.612 min Scan# 1606
Delta R.T. 0.012 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion: 91 Resp: 306918
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

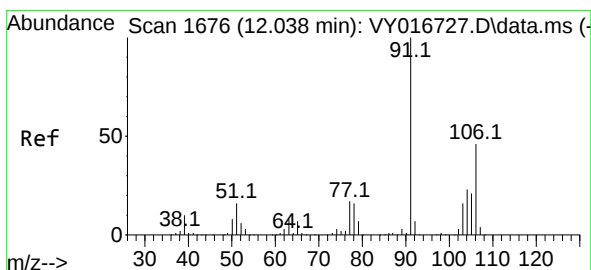
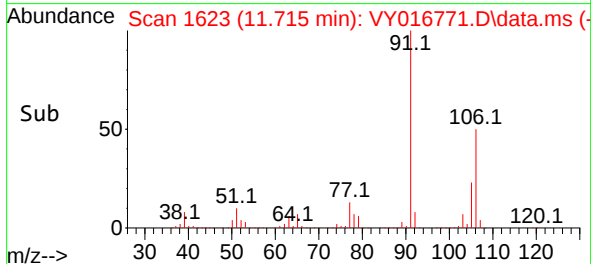
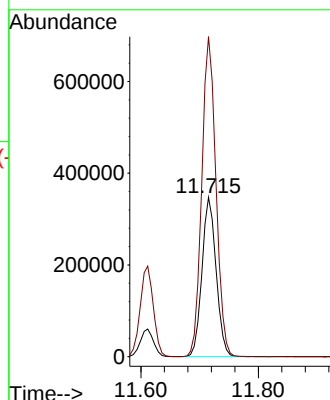
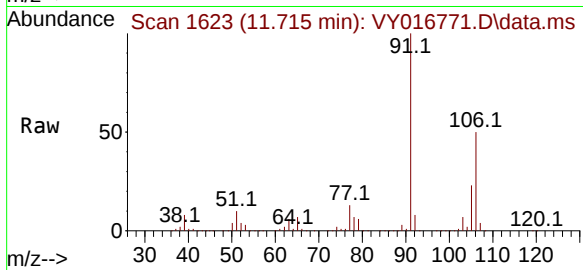




#68
m/p-Xylenes
Concen: 240.543 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

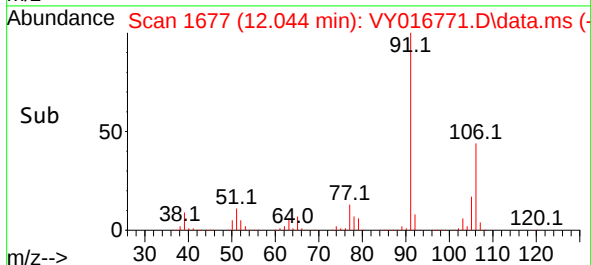
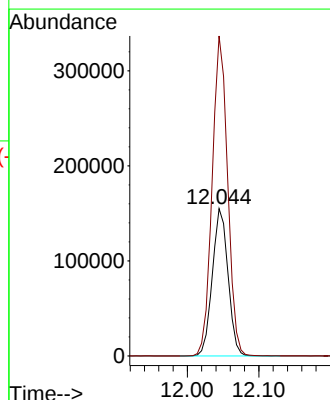
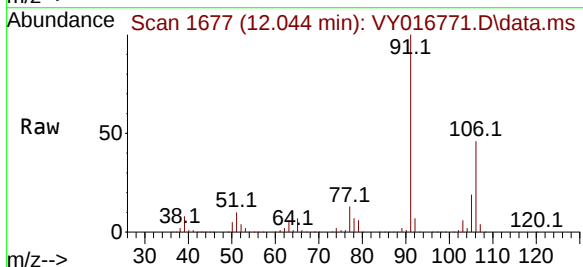
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

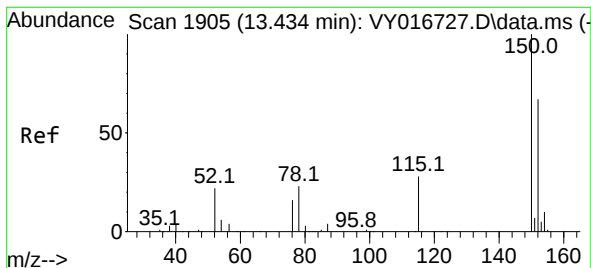
Tgt Ion:106 Resp: 579391
Ion Ratio Lower Upper
106 100
91 202.3 160.7 241.1



#69
o-Xylene
Concen: 106.765 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion:106 Resp: 235923
Ion Ratio Lower Upper
106 100
91 214.7 106.5 319.5

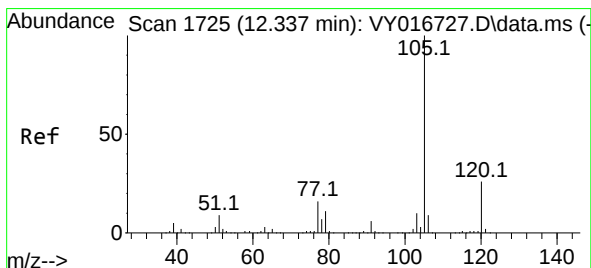
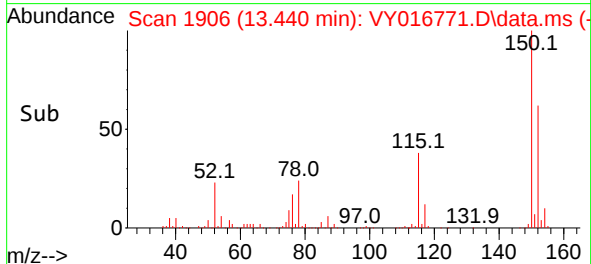
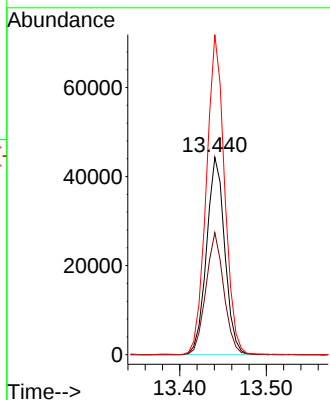
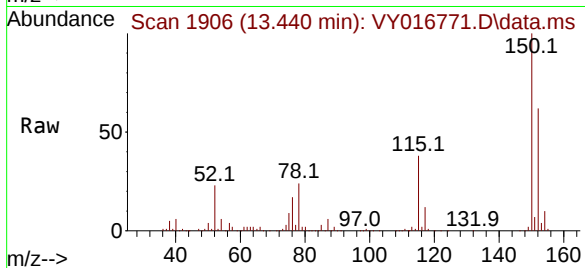




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

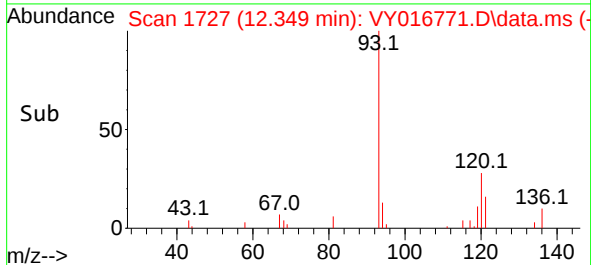
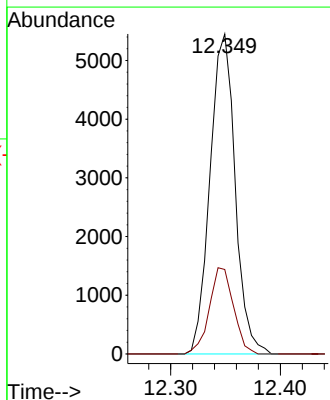
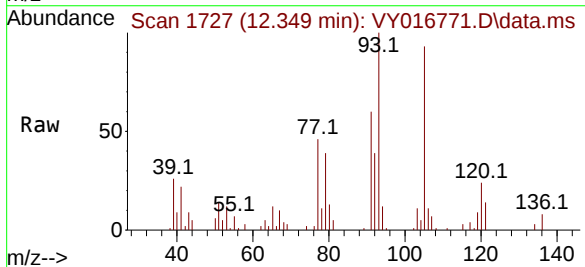
Instrument :
MSVOA_Y
ClientSampleId :
COLY6

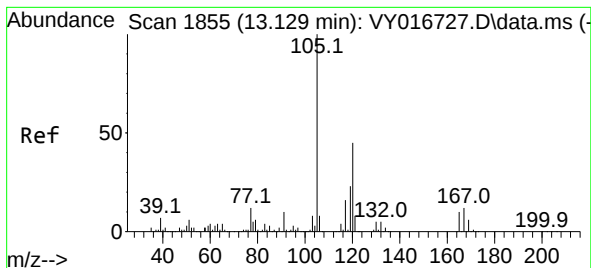
Tgt Ion:152 Resp: 64789
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 161.8 0.0 344.6



#73
Isopropylbenzene
Concen: 1.722 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.013 min
Lab File: VY016771.D
Acq: 21 Dec 2023 20:54

Tgt Ion:105 Resp: 8689
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0





#84

1,2,4-Trimethylbenzene

Concen: 1.345 ug/l

RT: 13.136 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016771.D

Acq: 21 Dec 2023 20:54

Instrument :

MSVOA_Y

ClientSampleId :

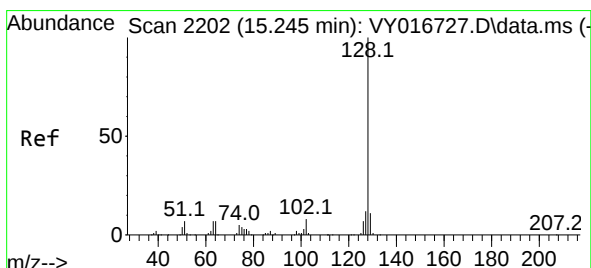
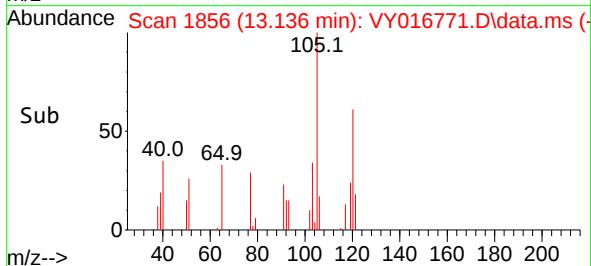
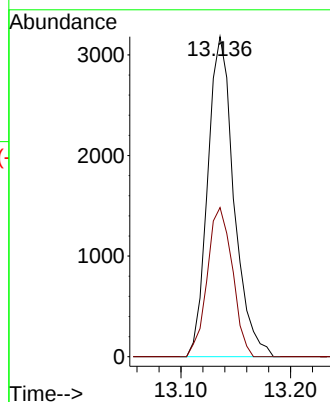
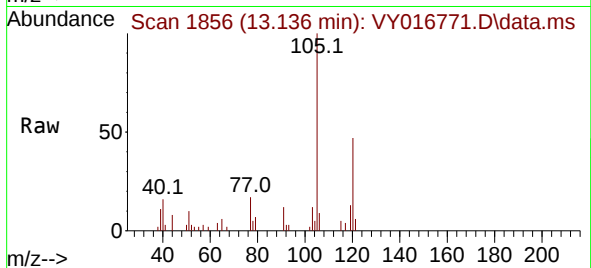
C0LY6

Tgt Ion:105 Resp: 5298

Ion Ratio Lower Upper

105 100

120 44.6 22.1 66.3



#95

Naphthalene

Concen: 4.844 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016771.D

Acq: 21 Dec 2023 20:54

Tgt Ion:128 Resp: 2819

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 9.7 8.6 12.8

