

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016045.D
 Acq On : 19 Oct 2023 18:20
 Operator : SY/MD
 Sample : 04938-17
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0-2(0-10)

Quant Time: Oct 20 05:39:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	234351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89659	55.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.900%			
35) Dibromofluoromethane	7.722	113	76787	48.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.340%			
50) Toluene-d8	10.185	98	291250	50.312	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.483	95	125227	60.626	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 121.260%			
Target Compounds						
					Qvalue	
16) Acetone	3.991	43	9596	16.155	ug/l	97
17) Carbon Disulfide	4.192	76	10642	2.686	ug/l	100
20) Methylene Chloride	4.716	84	32106	18.194	ug/l	89
52) Toluene	10.246	92	21642	4.937	ug/l	98
67) Ethyl Benzene	11.593	91	489676	54.524	ug/l	100
68) m/p-Xylenes	11.709	106	443290	126.578	ug/l	95
69) o-Xylene	12.032	106	307205	92.208	ug/l	99
73) Isopropylbenzene	12.331	105	339994	41.668	ug/l	98
78) n-propylbenzene	12.672	91	843481	85.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	2609735	386.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	7782020	1159.515	ug/l	94
85) sec-Butylbenzene	13.258	105	132268m	14.944	ug/l	
86) p-Isopropyltoluene	13.373	119	462388	62.513	ug/l	88
89) n-Butylbenzene	13.703	91	449243	65.241	ug/l #	66

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

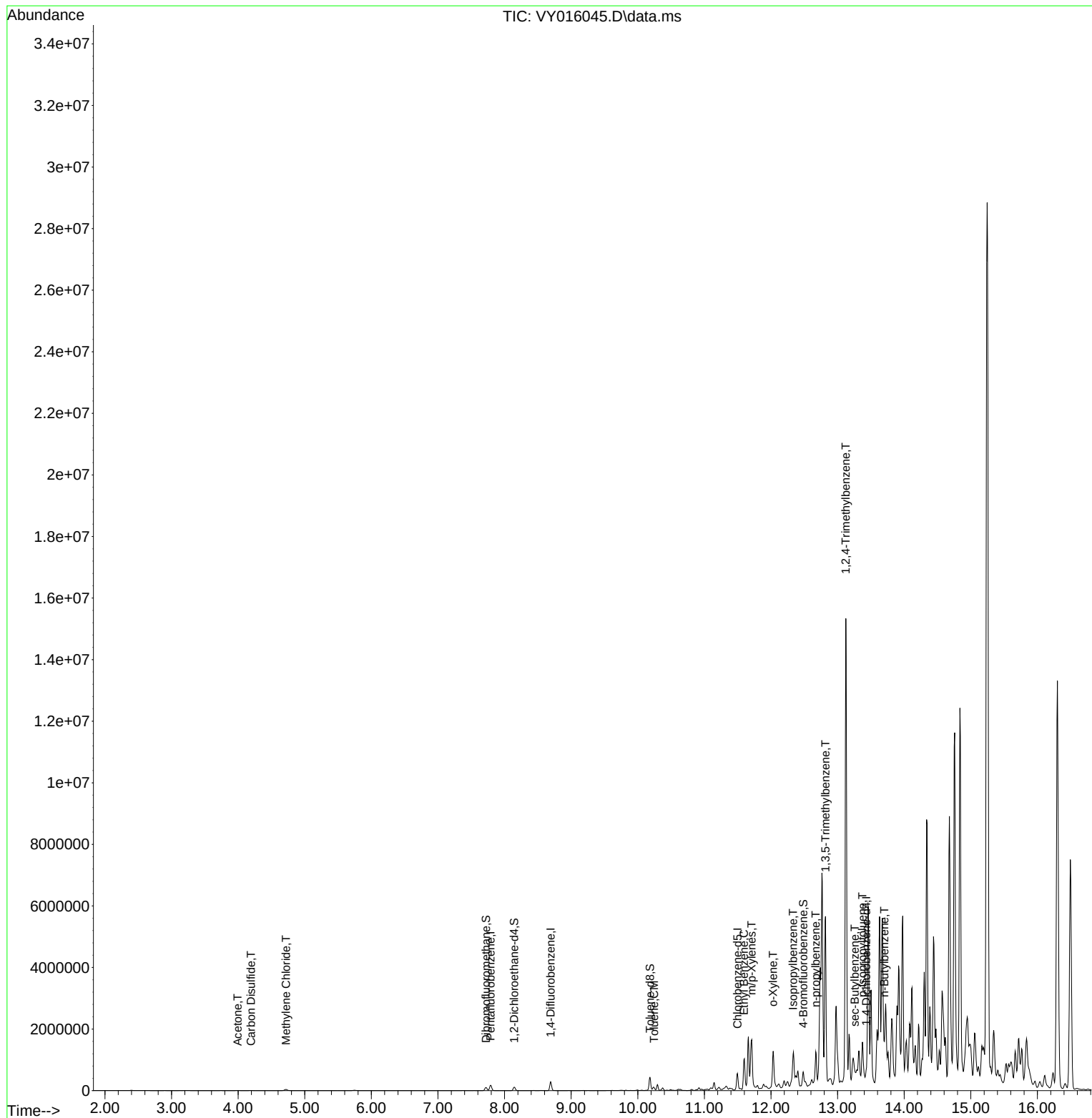
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
Data File : VY016045.D
Acq On : 19 Oct 2023 18:20
Operator : SY/MD
Sample : 04938-17
Misc : 5.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

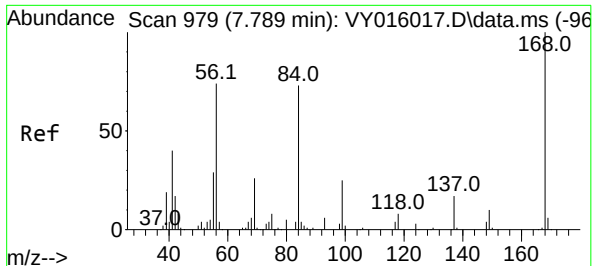
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)

Quant Time: Oct 20 05:39:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 19 03:15:44 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

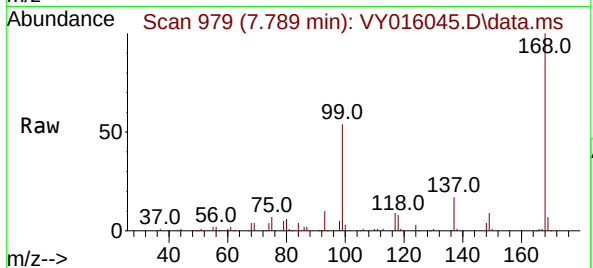
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

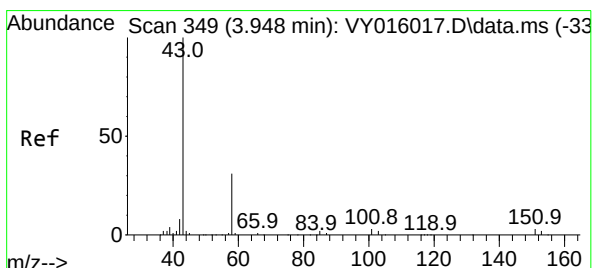
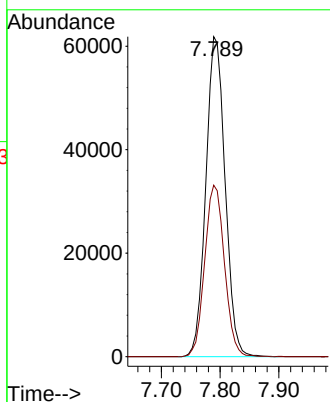
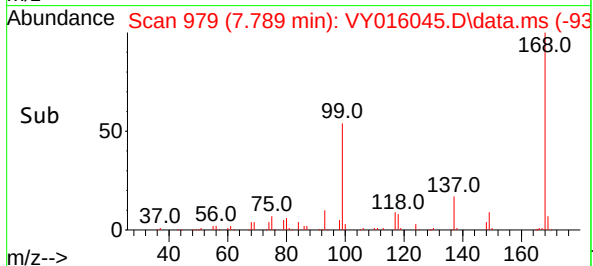
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



Tgt Ion:168 Resp: 140986
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0

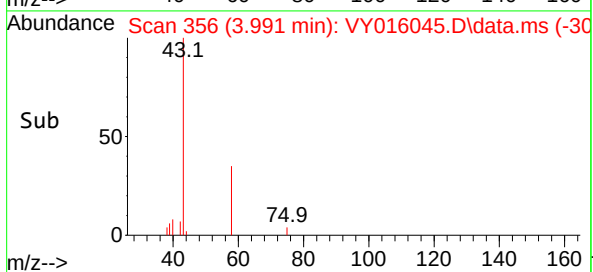
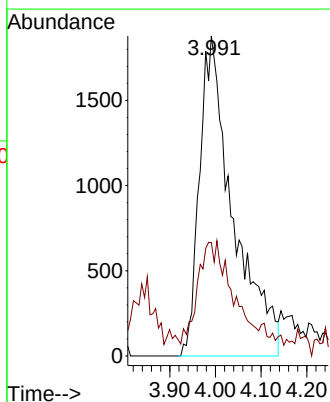
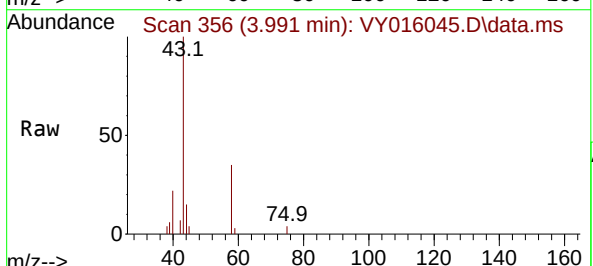
Manual Integrations
APPROVED

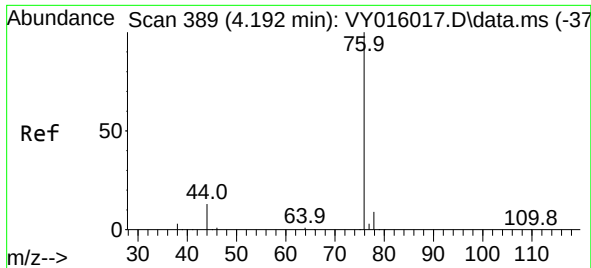
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#16
Acetone
Concen: 16.155 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.043 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

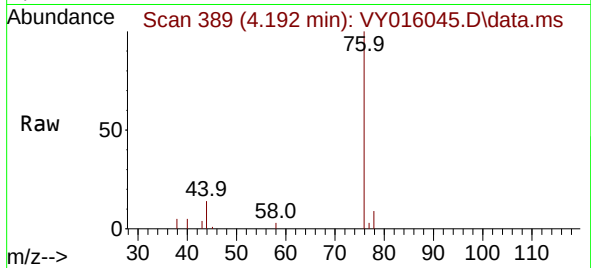
Tgt Ion: 43 Resp: 9596
Ion Ratio Lower Upper
43 100
58 30.2 22.7 34.1





#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

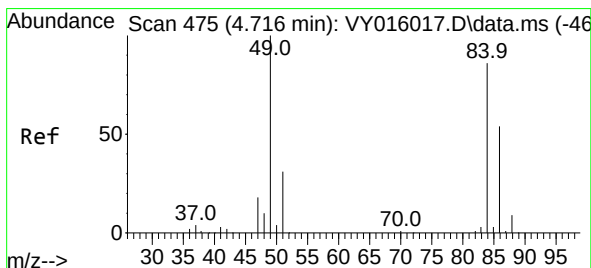
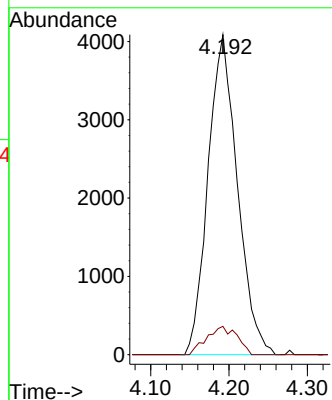
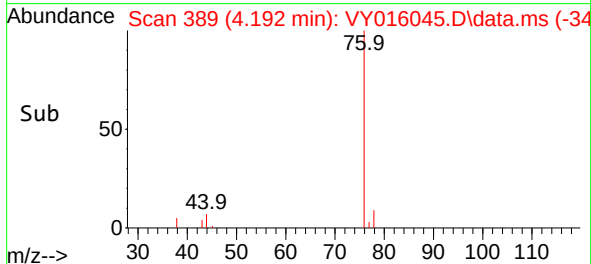
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



Tgt Ion: 76 Resp: 1064
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

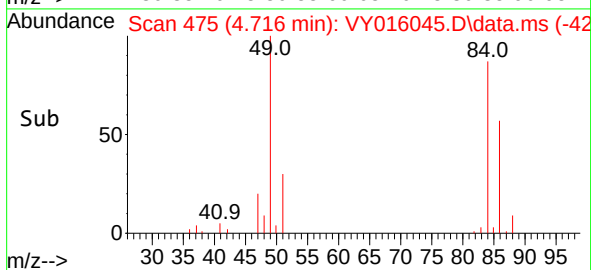
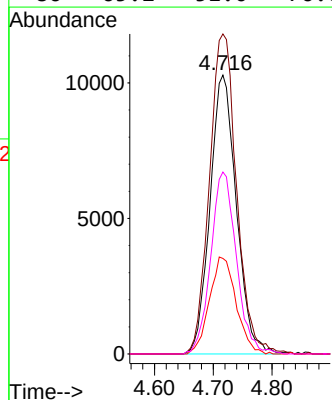
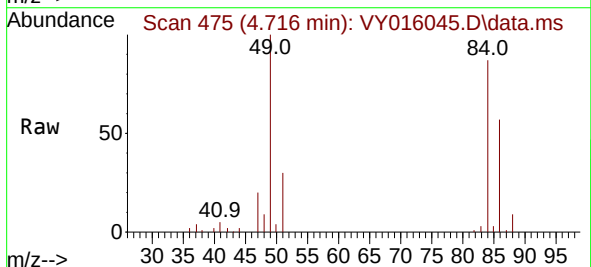
Manual Integrations
APPROVED

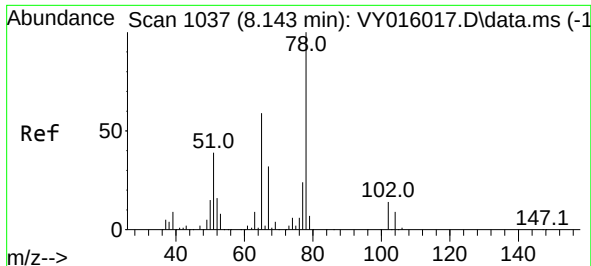
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#20
Methylene Chloride
Concen: 18.194 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

Tgt Ion: 84 Resp: 32106
Ion Ratio Lower Upper
84 100
49 114.7 106.9 160.3
51 34.3 33.2 49.8
86 65.2 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 55.953 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY016045.D

Acq: 19 Oct 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

0-2(0-10)

Tgt Ion: 65 Resp: 89659

Ion Ratio Lower Upper

65 100

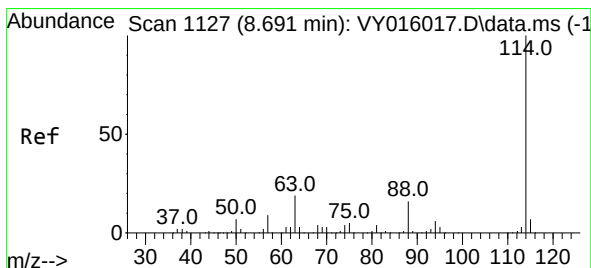
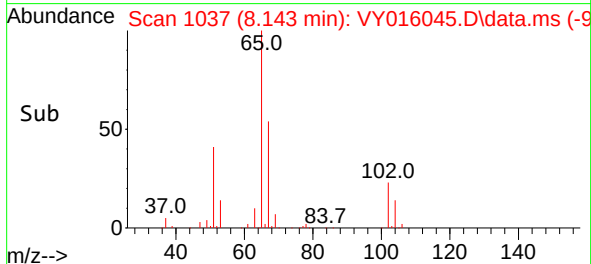
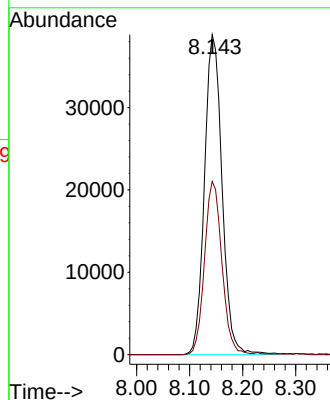
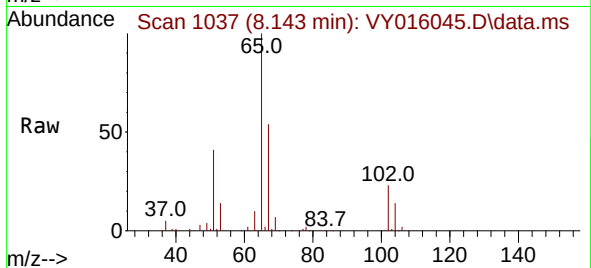
67 53.4 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY016045.D

Acq: 19 Oct 2023 18:20

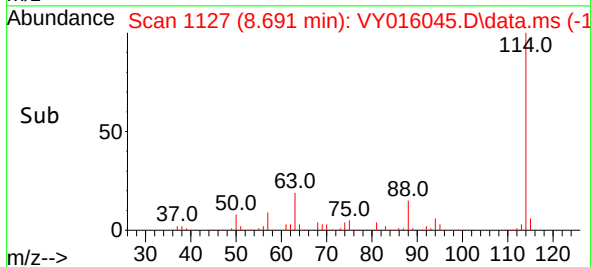
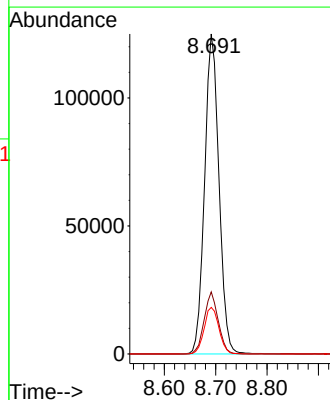
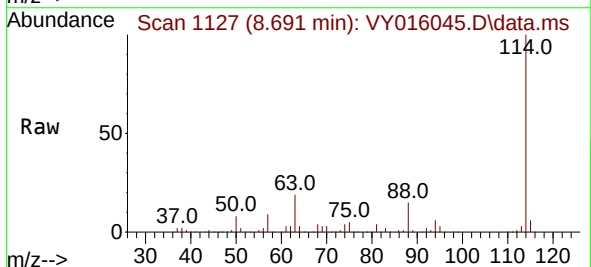
Tgt Ion:114 Resp: 242160

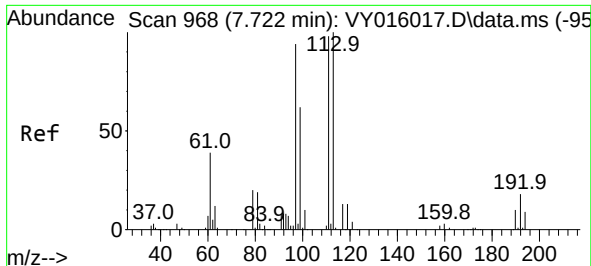
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

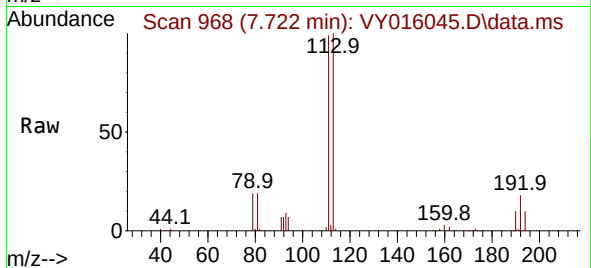
88 14.5 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.175 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

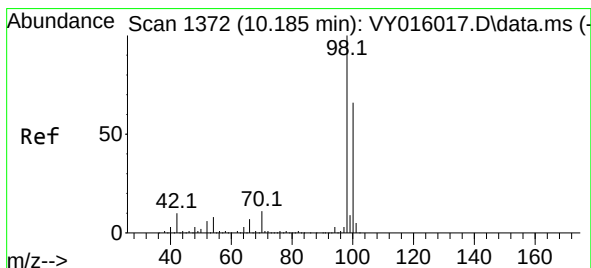
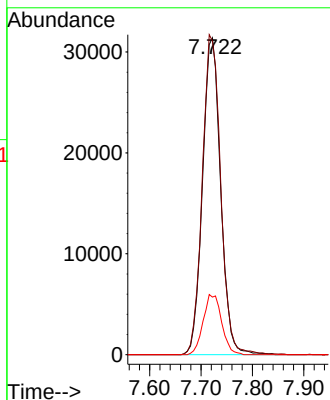
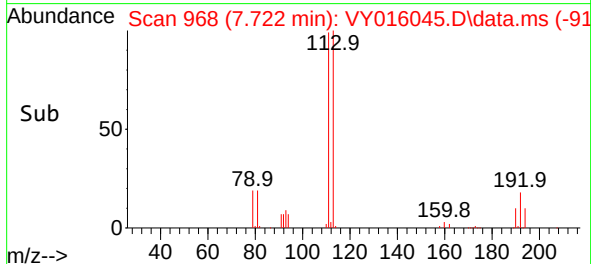
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



Tgt Ion:113 Resp: 7678
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.3 16.9 25.3

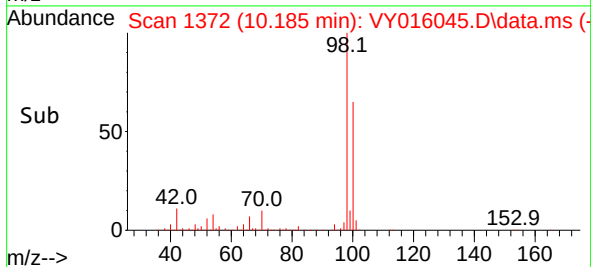
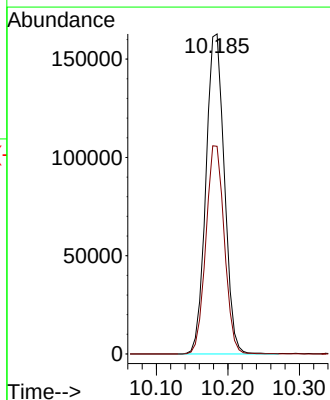
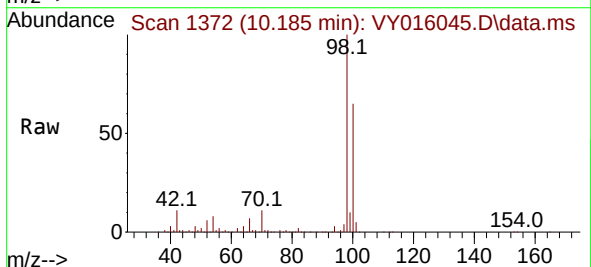
Manual Integrations
APPROVED

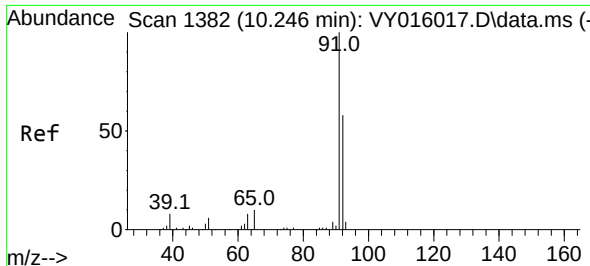
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#50
Toluene-d8
Concen: 50.312 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

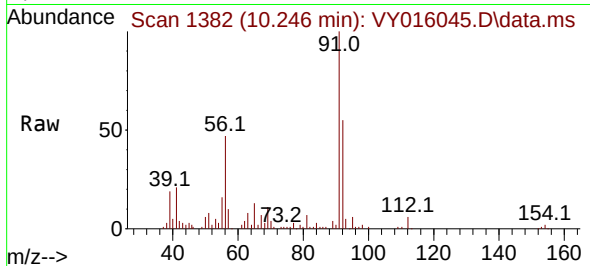
Tgt Ion: 98 Resp: 291250
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#52
Toluene
Concen: 4.937 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

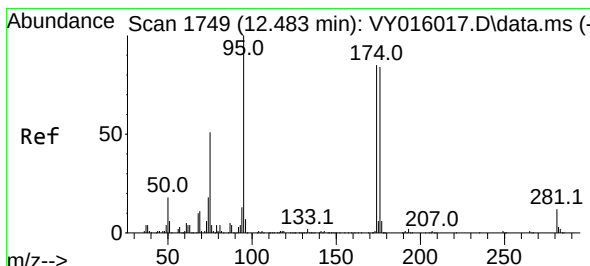
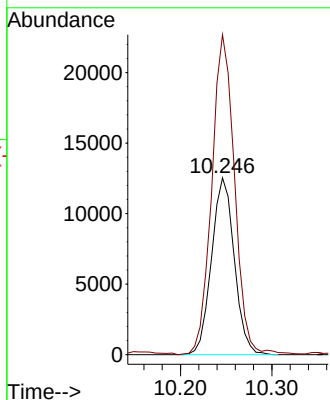
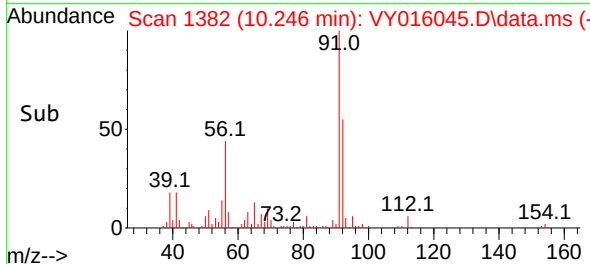
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



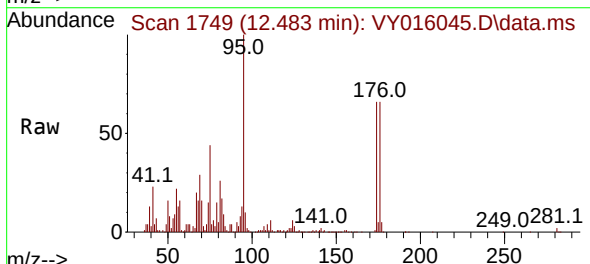
Tgt Ion: 92 Resp: 2164
Ion Ratio Lower Upper
92 100
91 182.1 143.8 215.6

Manual Integrations
APPROVED

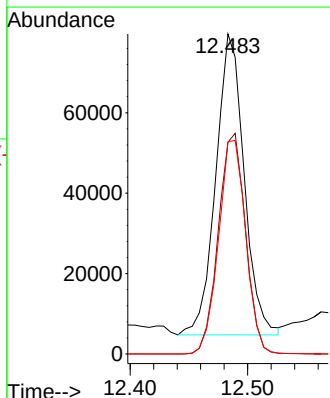
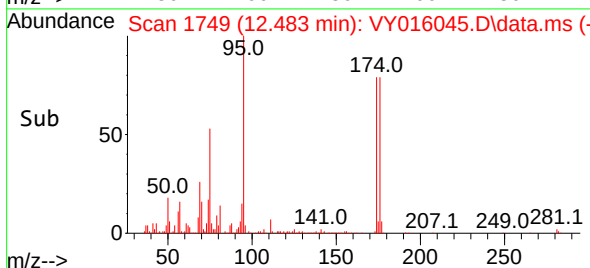
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

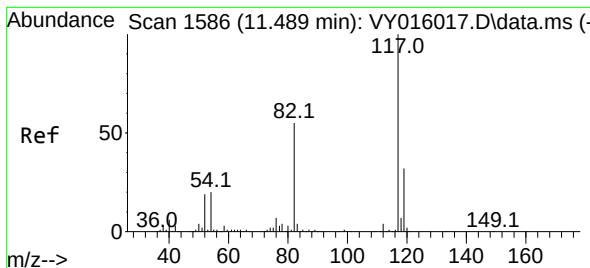


#62
4-Bromofluorobenzene
Concen: 60.626 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20



Tgt Ion: 95 Resp: 125227
Ion Ratio Lower Upper
95 100
174 70.5 0.0 178.2
176 68.4 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: VY016045.D

Acq: 19 Oct 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

0-2(0-10)

Tgt Ion:117 Resp: 23435

Ion Ratio Lower Upper

117 100

82 56.7 43.4 65.0

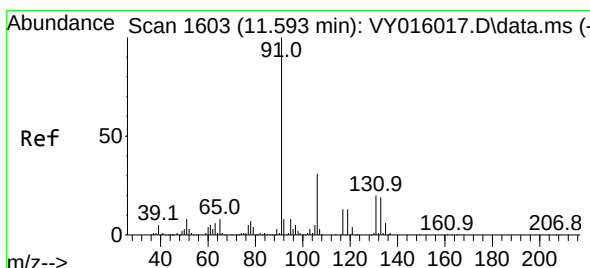
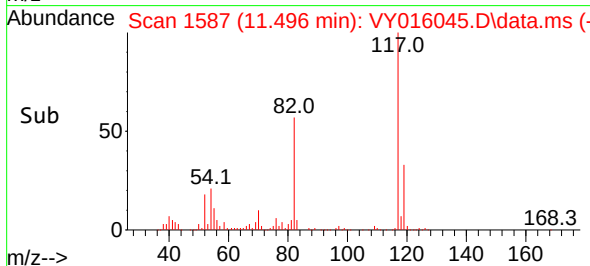
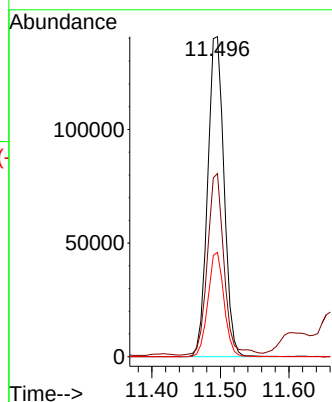
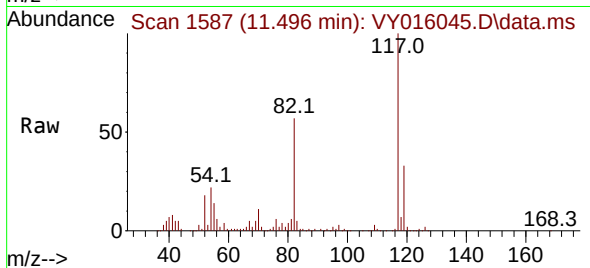
119 32.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Semsettin Yesilyurt 10/20/2023



#67

Ethyl Benzene

Concen: 54.524 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY016045.D

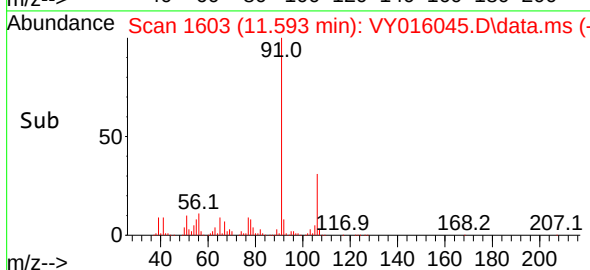
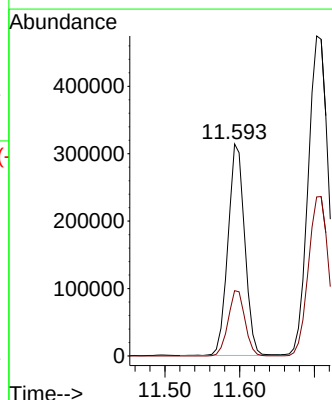
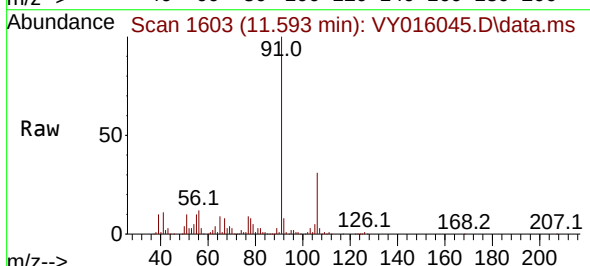
Acq: 19 Oct 2023 18:20

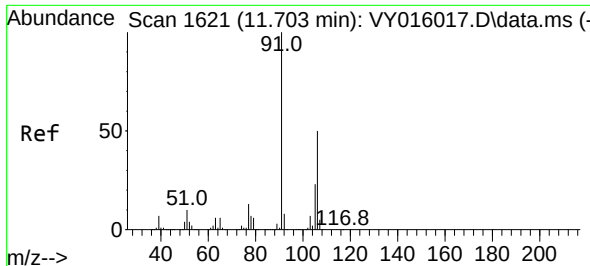
Tgt Ion: 91 Resp: 489676

Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8





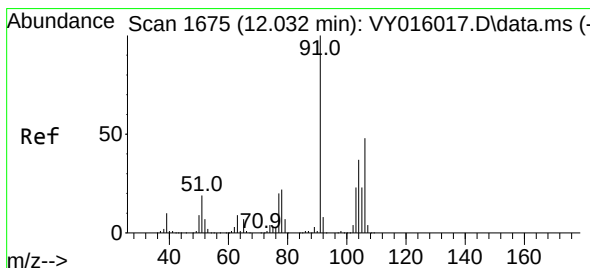
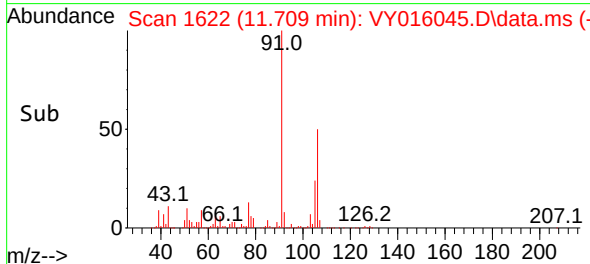
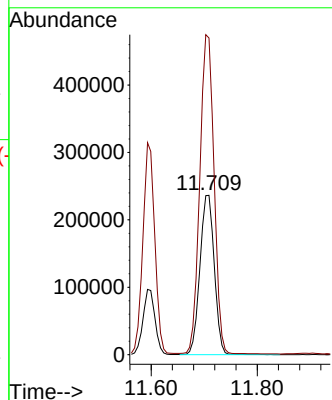
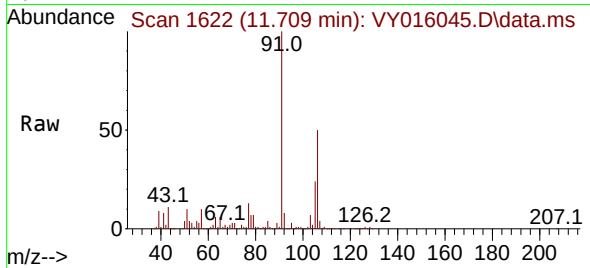
#68
m/p-Xylenes
Concen: 126.578 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)

Tgt Ion:106 Resp: 443290
Ion Ratio Lower Upper
106 100
91 199.9 166.1 249.1

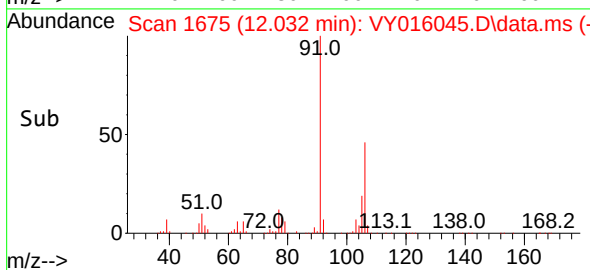
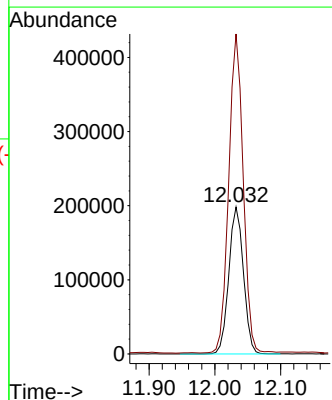
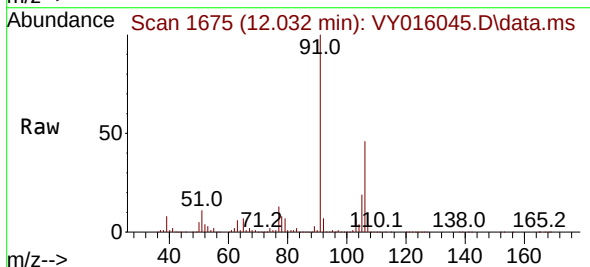
Manual Integrations
APPROVED

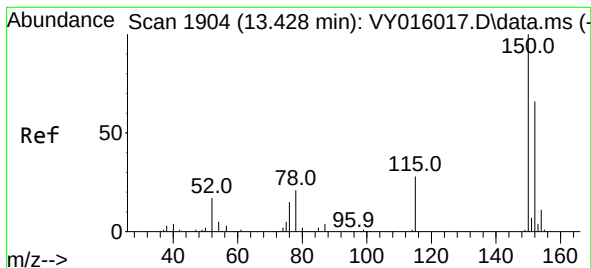
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#69
o-Xylene
Concen: 92.208 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

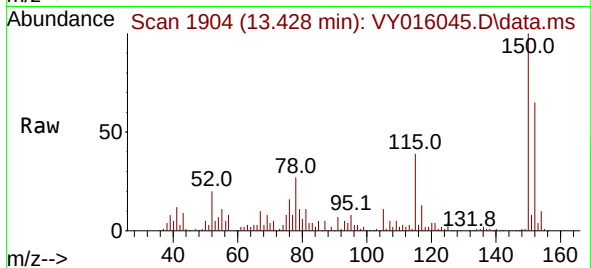
Tgt Ion:106 Resp: 307205
Ion Ratio Lower Upper
106 100
91 214.9 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

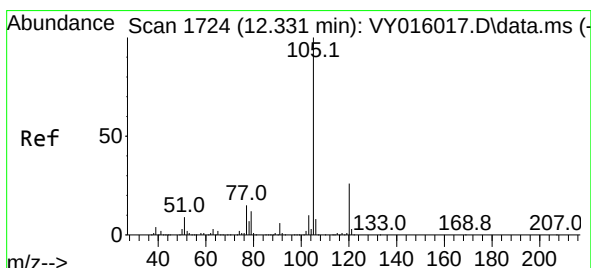
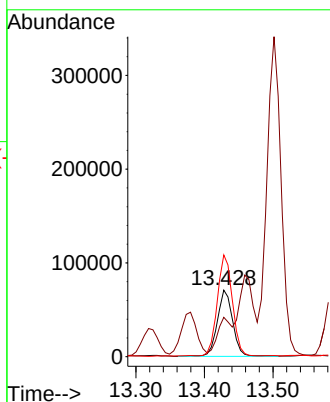
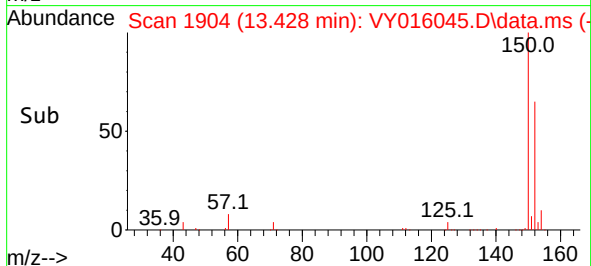
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



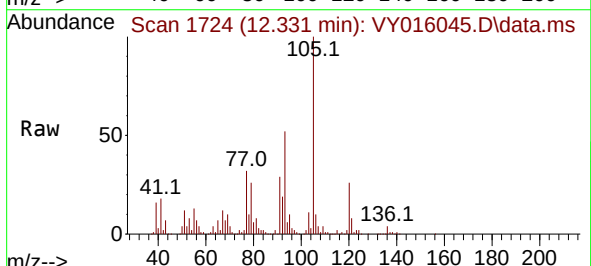
Tgt Ion:152 Resp: 109080
Ion Ratio Lower Upper
152 100
115 48.0 28.8 86.5
150 149.1 0.0 348.8

Manual Integrations
APPROVED

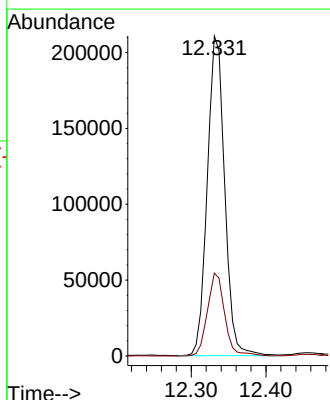
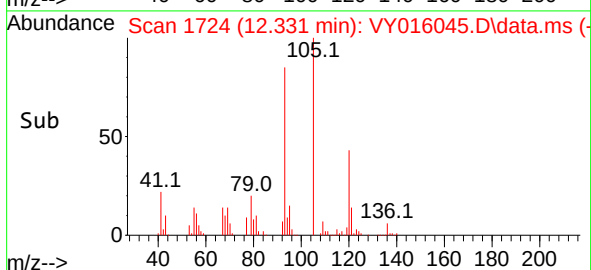
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

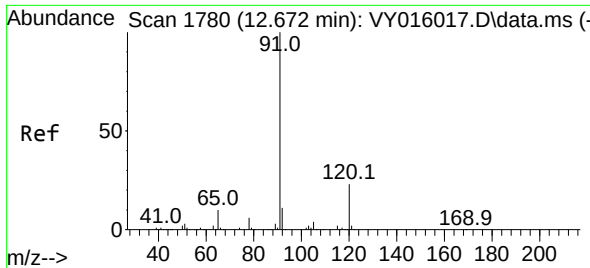


#73
Isopropylbenzene
Concen: 41.668 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20



Tgt Ion:105 Resp: 339994
Ion Ratio Lower Upper
105 100
120 25.8 13.3 39.9





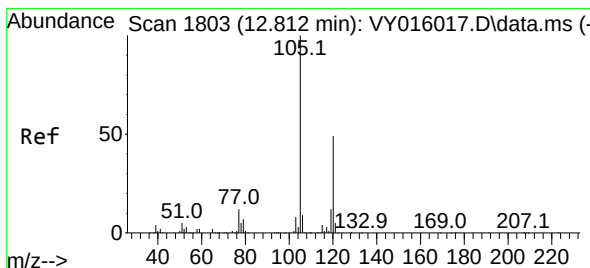
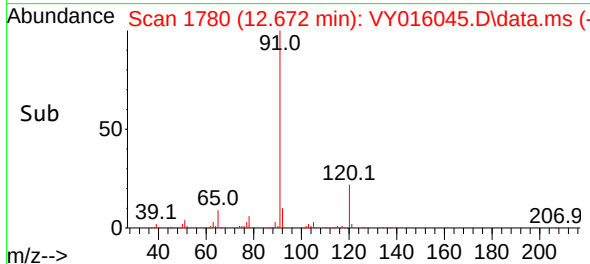
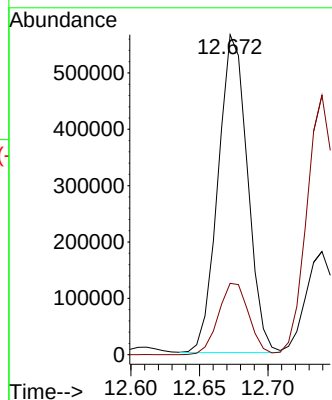
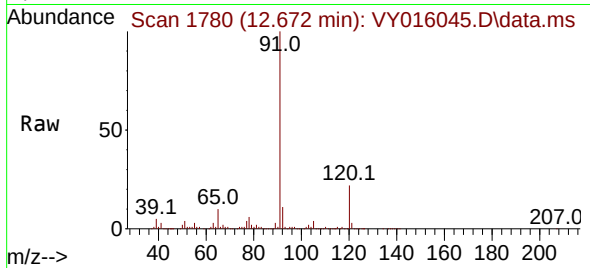
#78
n-propylbenzene
Concen: 85.824 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)

Tgt Ion: 91 Resp: 84348
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4

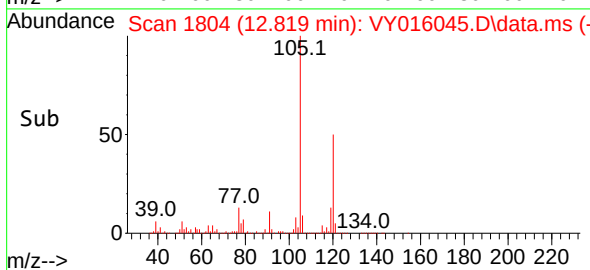
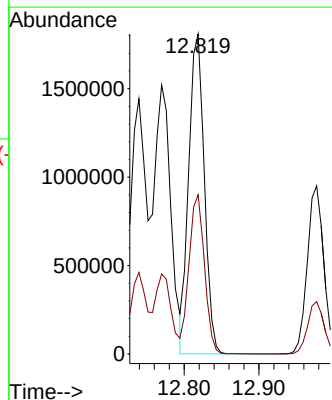
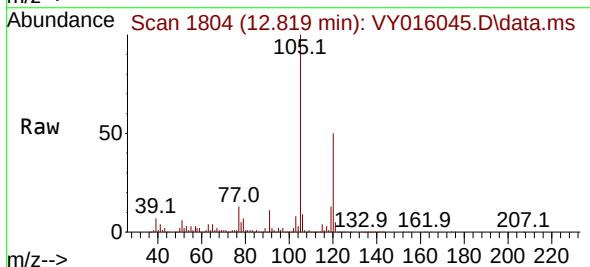
Manual Integrations
APPROVED

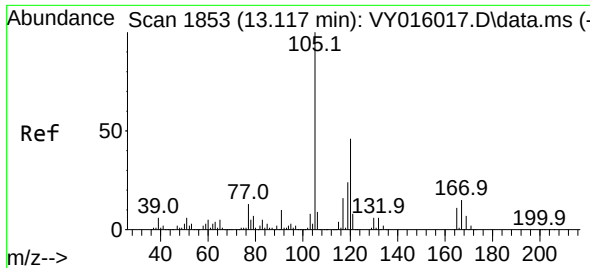
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#80
1,3,5-Trimethylbenzene
Concen: 386.139 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

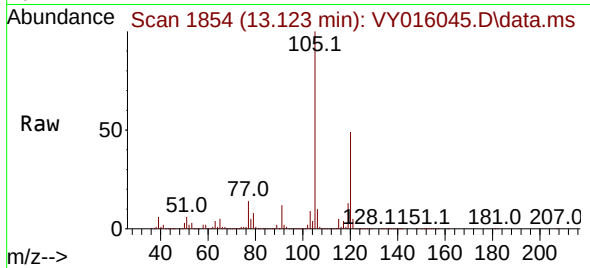
Tgt Ion:105 Resp: 2609735
Ion Ratio Lower Upper
105 100
120 49.5 23.9 71.7





#84
1,2,4-Trimethylbenzene
Concen: 1159.515 ug/l
RT: 13.123 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

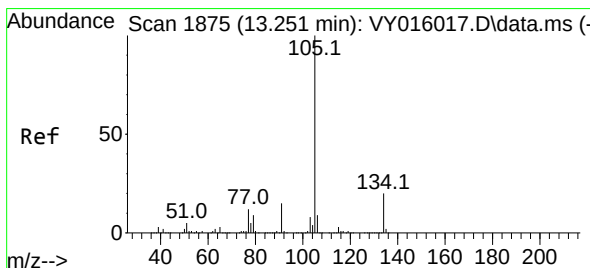
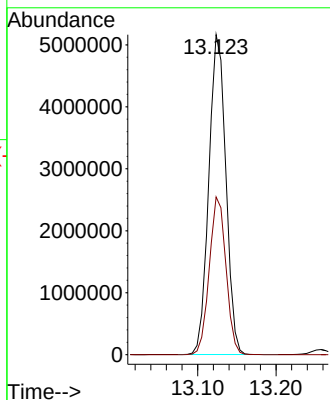
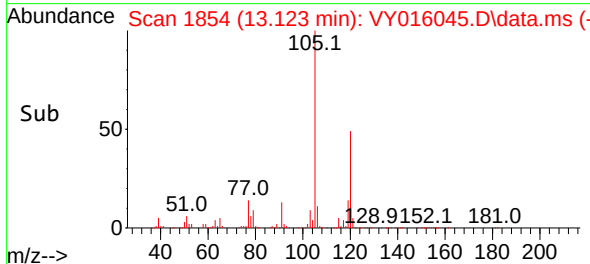
Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)



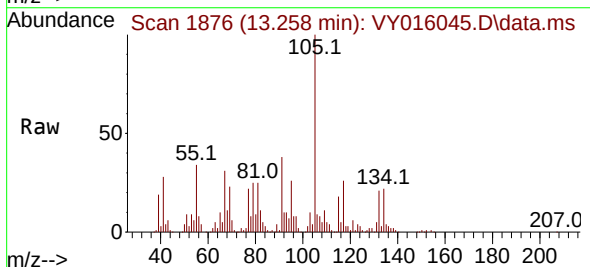
Tgt Ion:105 Resp: 7782020
Ion Ratio Lower Upper
105 100
120 48.3 22.2 66.6

Manual Integrations
APPROVED

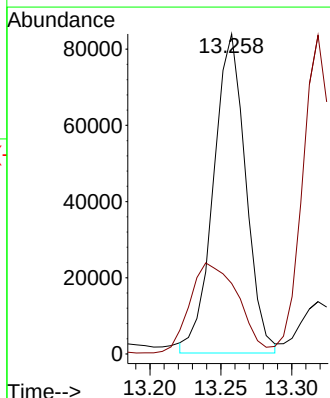
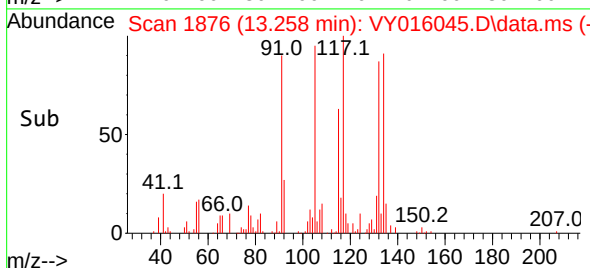
Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023

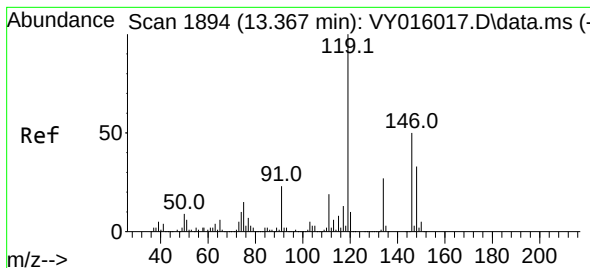


#85
sec-Butylbenzene
Concen: 14.944 ug/l m
RT: 13.258 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20



Tgt Ion:105 Resp: 132268
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#





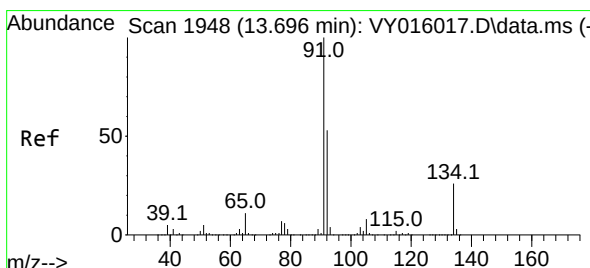
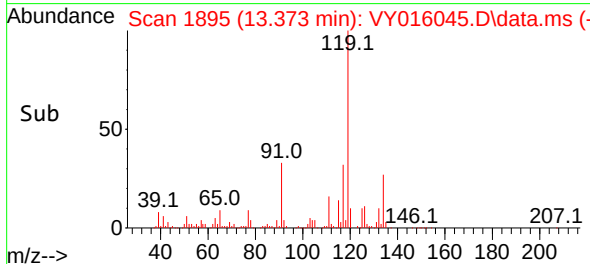
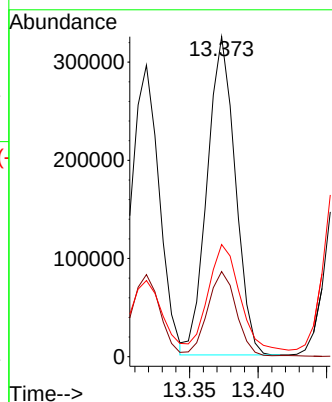
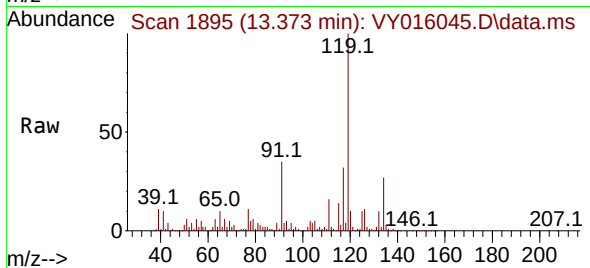
#86
p-Isopropyltoluene
Concen: 62.513 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :
0-2(0-10)

Tgt Ion:119 Resp: 462388
Ion Ratio Lower Upper
119 100
134 27.6 13.3 39.8
91 36.4 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Semsettin Yesilyurt 10/20/2023



#89
n-Butylbenzene
Concen: 65.241 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY016045.D
Acq: 19 Oct 2023 18:20

Tgt Ion: 91 Resp: 449243
Ion Ratio Lower Upper
91 100
92 68.5 25.4 76.0
134 0.0 12.6 37.6#

