

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015600.D
 Acq On : 16 Sep 2023 04:20
 Operator : SY/MD
 Sample : 04419-12
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-06(25-27)

Quant Time: Sep 18 09:26:23 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/27/2023
 Supervised By :Mahesh Dadoda 09/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	183825	50.000	ug/l	0.03
34) 1,4-Difluorobenzene	8.709	114	302361	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	309039	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.446	152	40840	50.000	ug/l	# 0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	118027	59.895	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.780%			
35) Dibromofluoromethane	7.734	113	96606	55.472	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.940%			
50) Toluene-d8	10.203	98	592109	93.885	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery = 187.780%#			
62) 4-Bromofluorobenzene	12.501	95	319630	136.519	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery = 273.040%#			
Target Compounds					Qvalue	
16) Acetone	3.979	43	36894	44.855	ug/l	98
17) Carbon Disulfide	4.216	76	30230	5.534	ug/l	99
18) Methyl Acetate	4.509	43	9882	3.317	ug/l	97
25) 2-Butanone	7.021	43	26615	22.814	ug/l	# 87
31) Cyclohexane	7.795	56	158107	45.168	ug/l	# 71
39) Methylcyclohexane	9.203	83	851659	221.222	ug/l	# 76
40) Benzene	8.179	78	387602	45.431	ug/l	100
52) Toluene	10.264	92	45300	8.284	ug/l	99
67) Ethyl Benzene	11.617	91	5234494	437.746	ug/l	99
68) m/p-Xylenes	11.727	106	28654362	6182.099	ug/l	# 1
69) o-Xylene	12.056	106	17089282	3857.904	ug/l	68
73) Isopropylbenzene	12.355	105	181043m	59.017	ug/l	
80) 1,3,5-Trimethylbenzene	12.739	105	73680997m	28715.861	ug/l	
84) 1,2,4-Trimethylbenzene	13.129	105	34397569m	13501.876	ug/l	
85) sec-Butylbenzene	13.270	105	1871004	558.167	ug/l	# 60
86) p-Isopropyltoluene	13.385	119	2559456	911.029	ug/l	100
95) Naphthalene	15.239	128	984182	483.312	ug/l	99

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

Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

Abundance

TIC: VY015600.D\data.ms

Time-->

5.8e+07

5.6e+07

5.4e+07

5.2e+07

5e+07

4.8e+07

4.6e+07

4.4e+07

4.2e+07

4e+07

3.8e+07

3.6e+07

3.4e+07

3.2e+07

3e+07

2.8e+07

2.6e+07

2.4e+07

2.2e+07

2e+07

1.8e+07

1.6e+07

1.4e+07

1.2e+07

1e+07

8000000

6000000

4000000

2000000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Acetone, T

Carbon Disulfide, T

Methyl Acetate, T

2-Butanone, T

Diethylfluoromethane, S

Diethylmethane-d4, S

1,4-Difluorobenzene, I

Methylcyclohexane, T

Toluene-d8, S

Toluene, CM

Chlorobenzene-d5, I

Ethyl Benzene, C

m/p-Xylenes, T

o-Xylene, T

4-Bromofluorobenzene, S

1,3,5-Trimethylbenzene, T

1,2,4-Trimethylbenzene, T

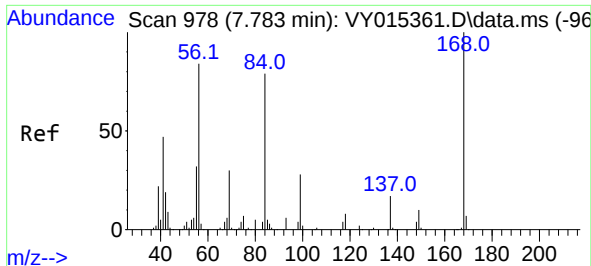
1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, I

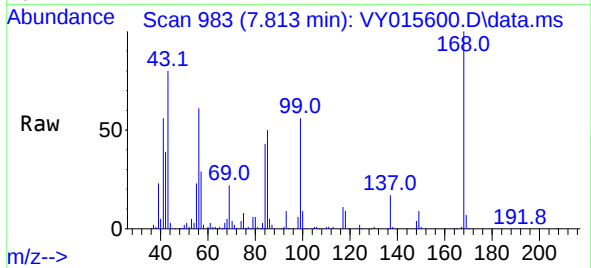
1,4-Dichlorobenzene, I

Naphthalene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

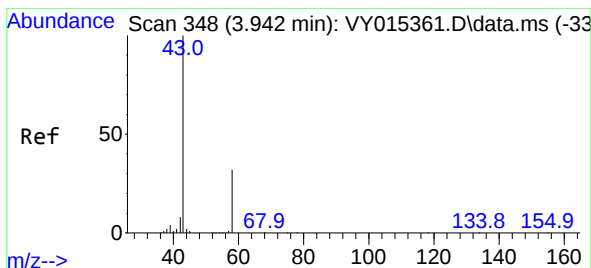
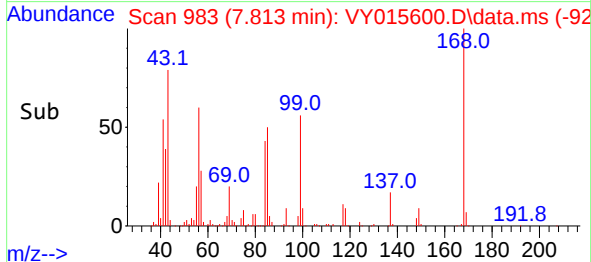
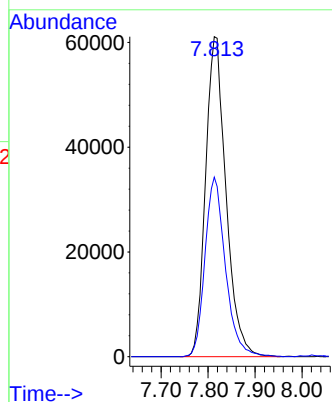
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



Tgt Ion:168 Resp: 18382
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0

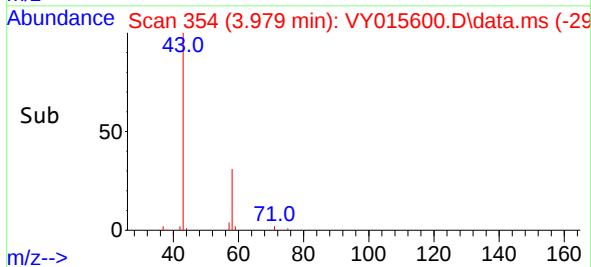
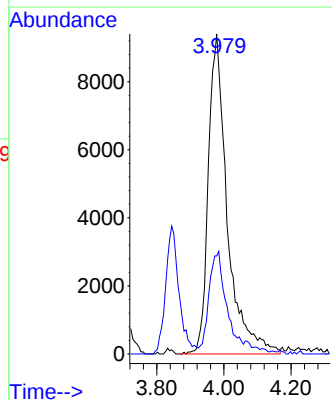
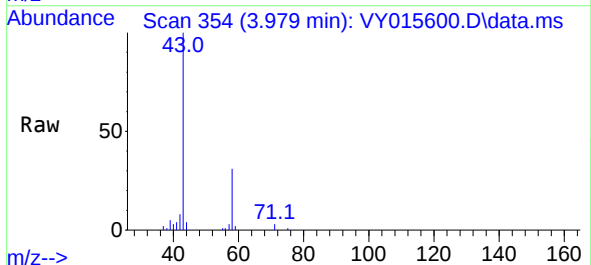
Manual Integrations
APPROVED

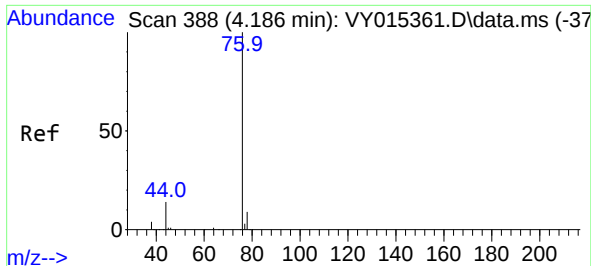
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#16
Acetone
Concen: 44.855 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

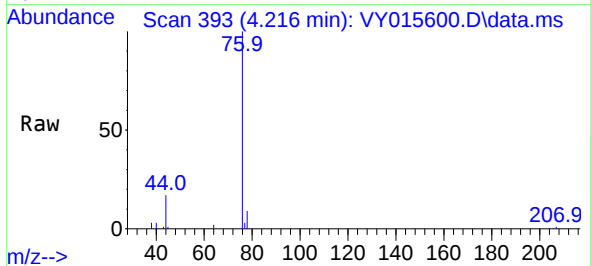
Tgt Ion: 43 Resp: 36894
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1





#17
Carbon Disulfide
Concen: 5.534 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

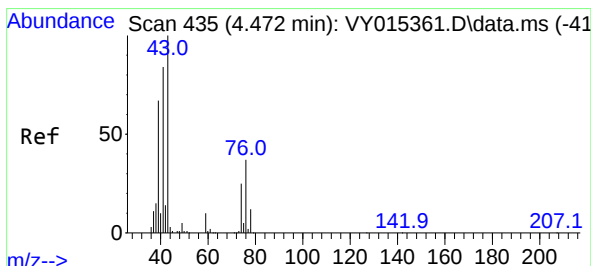
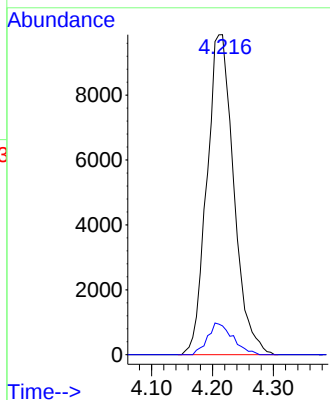
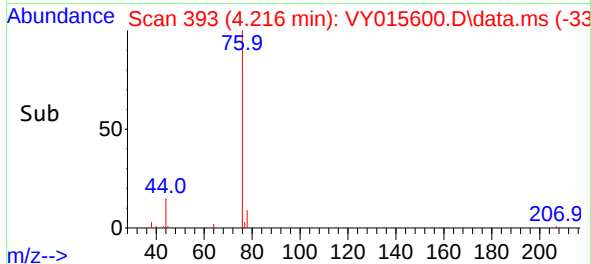
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



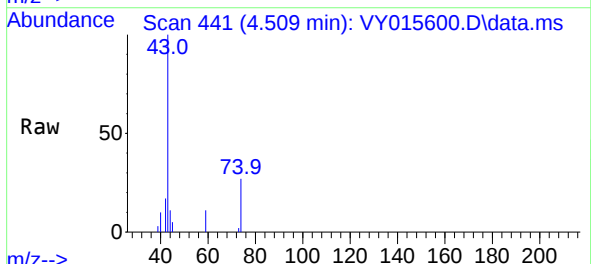
Tgt Ion: 76 Resp: 30230
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

Manual Integrations
APPROVED

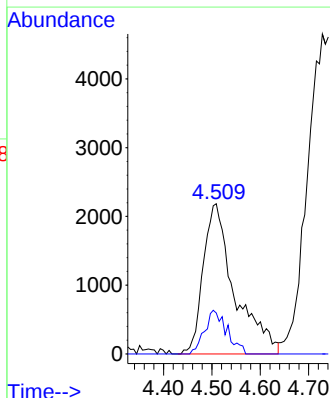
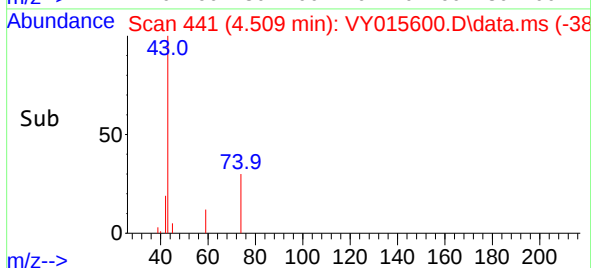
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

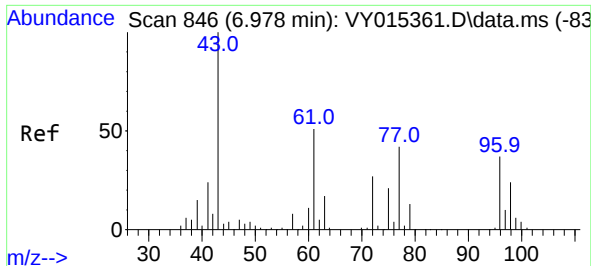


#18
Methyl Acetate
Concen: 3.317 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.037 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20



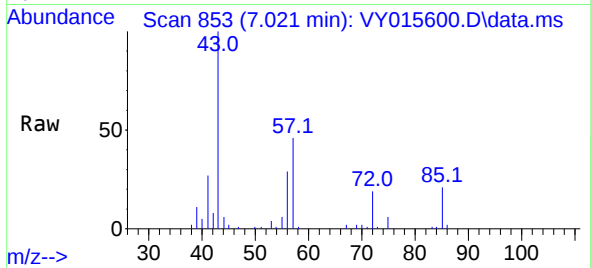
Tgt Ion: 43 Resp: 9882
Ion Ratio Lower Upper
43 100
74 20.5 17.4 26.0





#25
2-Butanone
Concen: 22.814 ug/l
RT: 7.021 min Scan# 81
Delta R.T. 0.043 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

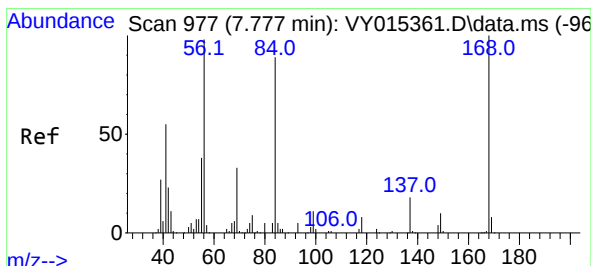
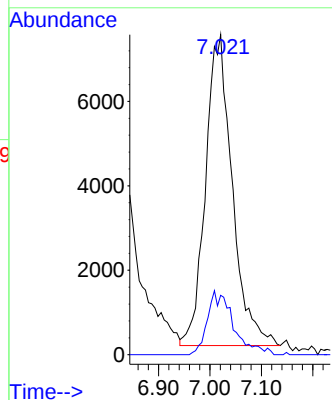
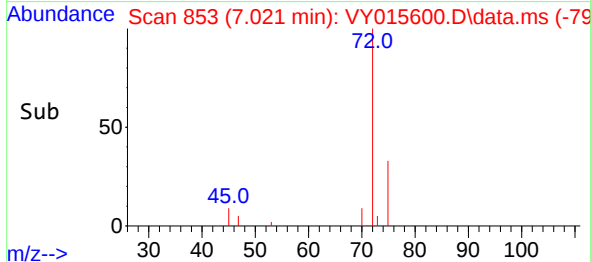
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



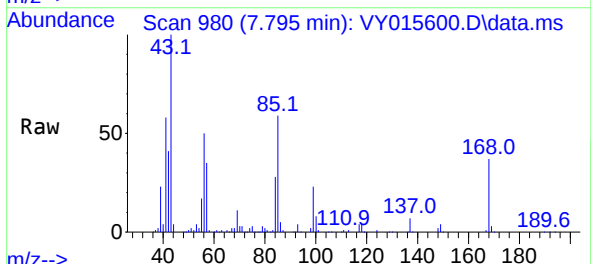
Tgt Ion: 43 Resp: 26615
Ion Ratio Lower Upper
43 100
72 19.1 20.5 30.7

Manual Integrations
APPROVED

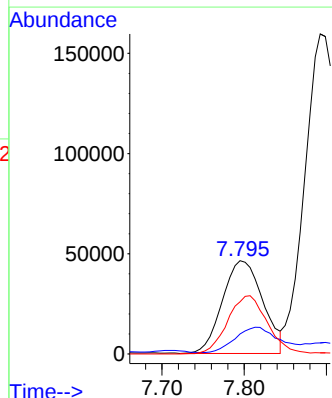
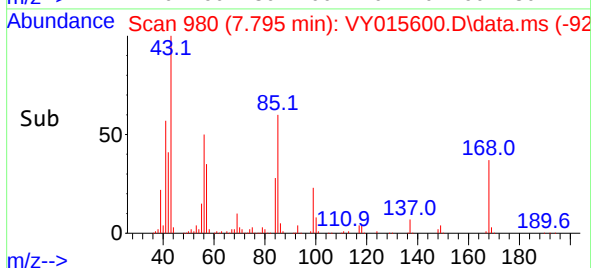
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

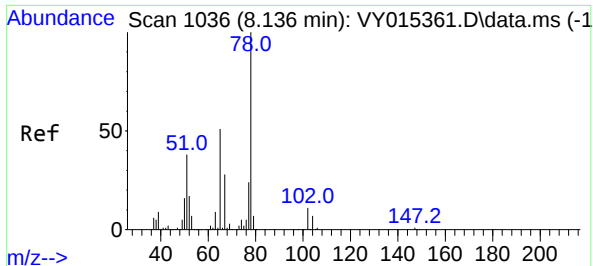


#31
Cyclohexane
Concen: 45.168 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20



Tgt Ion: 56 Resp: 158107
Ion Ratio Lower Upper
56 100
69 18.3 27.8 41.6#
84 56.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.895 ug/l

RT: 8.161 min Scan# 11802

Delta R.T. 0.024 min

Lab File: VY015600.D

Acq: 16 Sep 2023 04:20

Instrument :

MSVOA_Y

ClientSampleId :

DB-06(25-27)

Tgt Ion: 65 Resp: 11802

Ion Ratio Lower Upper

65 100

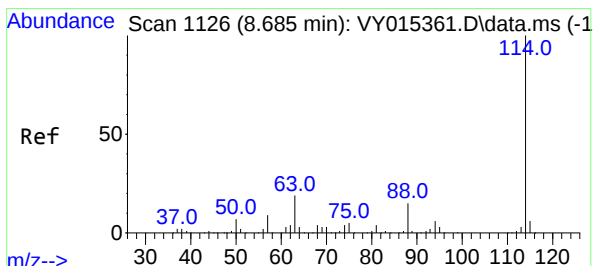
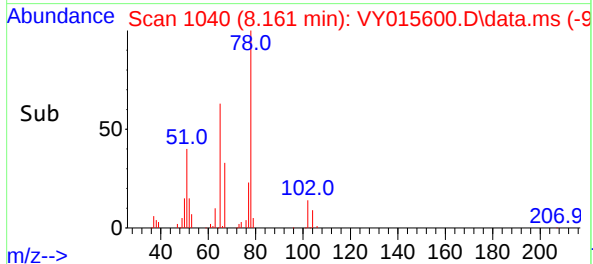
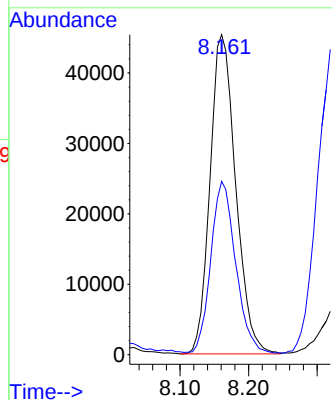
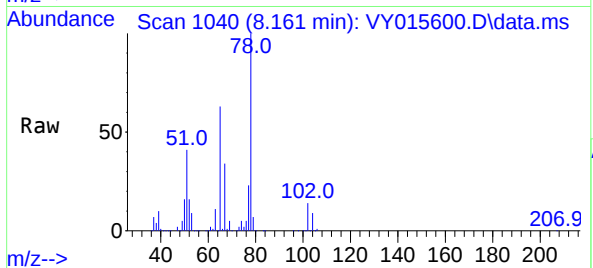
67 51.9 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/27/2023

Supervised By :Mahesh Dadoda 09/27/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.024 min

Lab File: VY015600.D

Acq: 16 Sep 2023 04:20

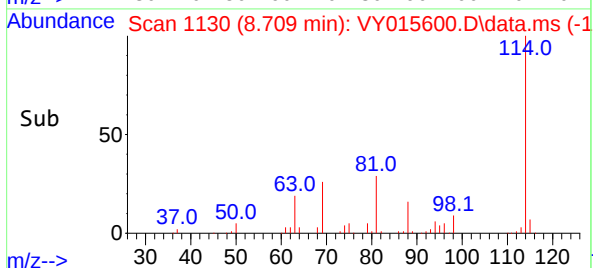
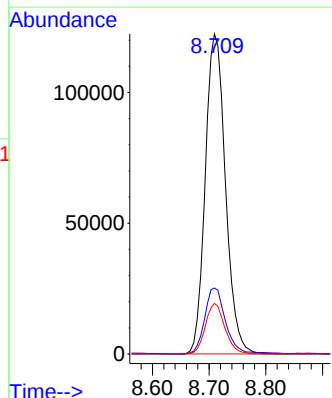
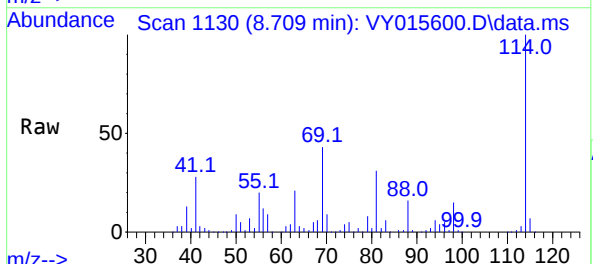
Tgt Ion:114 Resp: 302361

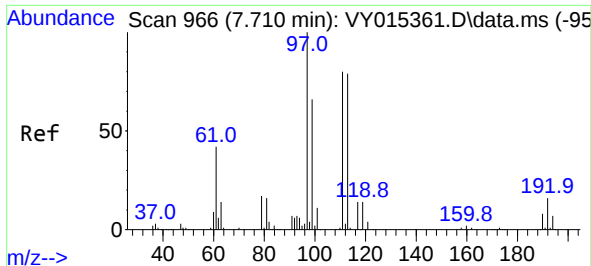
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

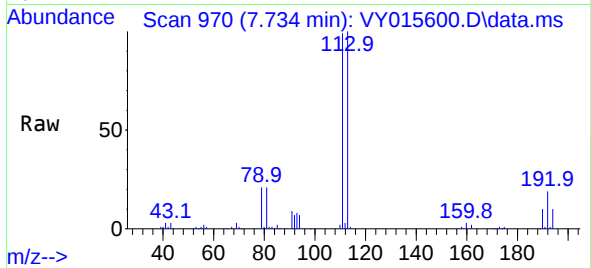
88 15.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 55.472 ug/l
RT: 7.734 min Scan# 911
Delta R.T. 0.018 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

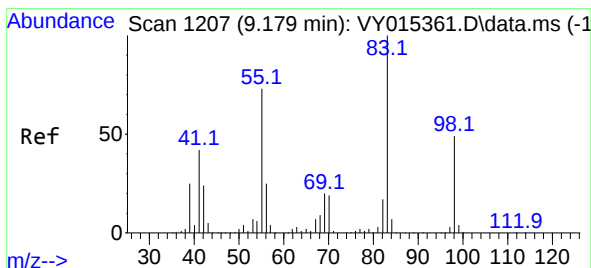
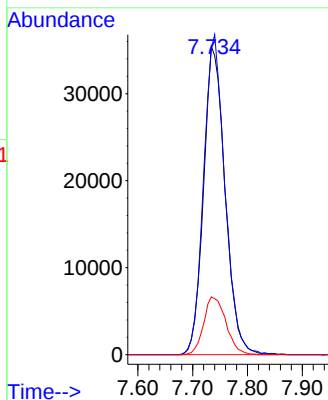
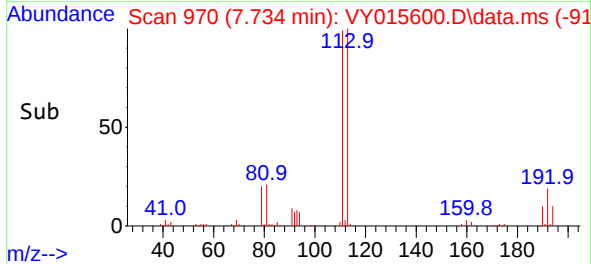
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



Tgt Ion: 113 Resp: 96600
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.4 16.9 25.3

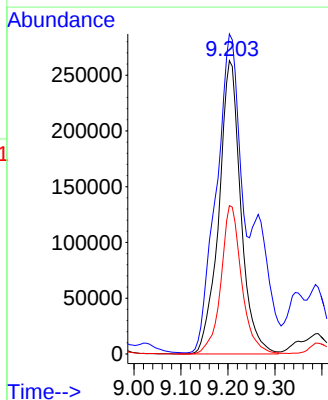
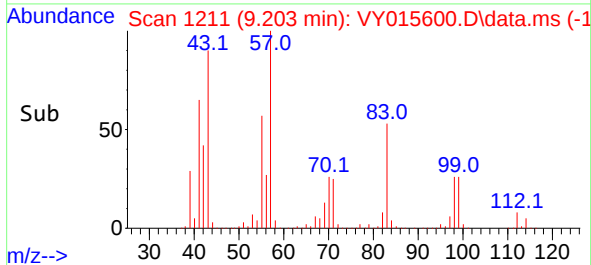
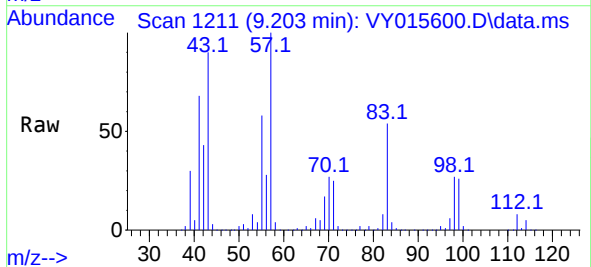
Manual Integrations
APPROVED

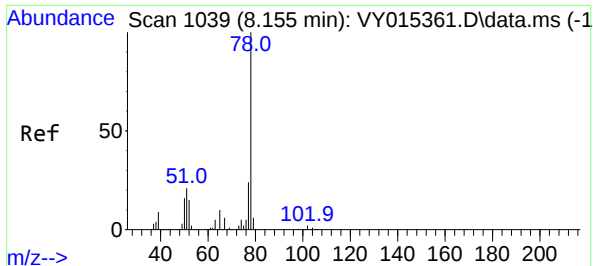
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#39
Methylcyclohexane
Concen: 221.222 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

Tgt Ion: 83 Resp: 851659
Ion Ratio Lower Upper
83 100
55 108.7 63.0 94.4#
98 50.6 37.4 56.2





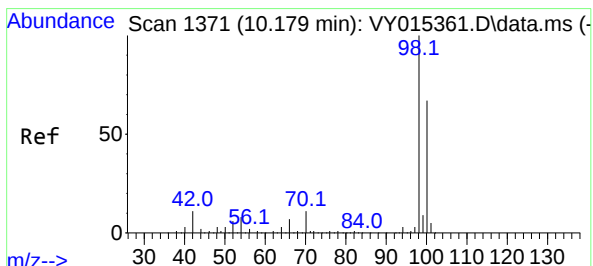
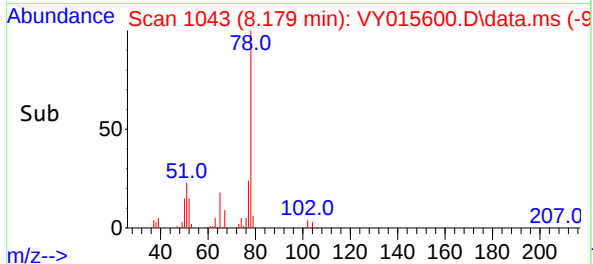
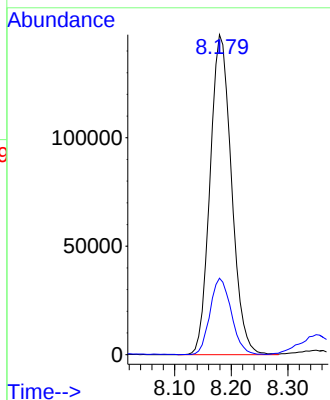
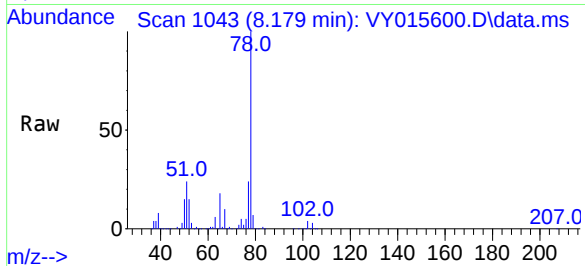
#40
Benzene
Concen: 45.431 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)

Tgt Ion: 78 Resp: 387602
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

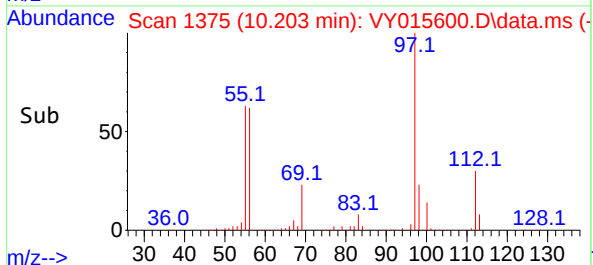
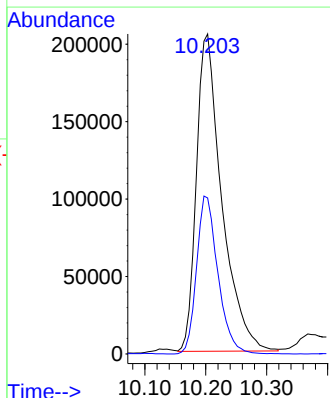
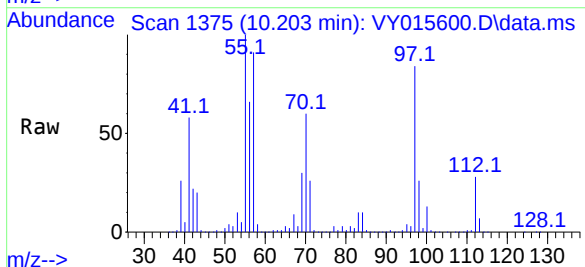
Manual Integrations
APPROVED

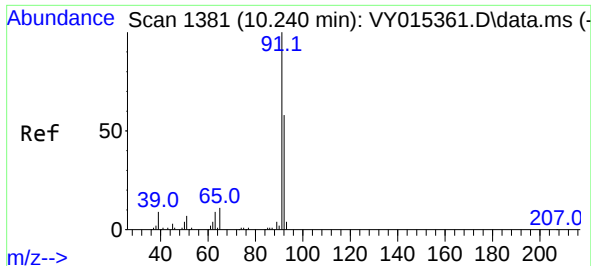
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#50
Toluene-d8
Concen: 93.885 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

Tgt Ion: 98 Resp: 592109
Ion Ratio Lower Upper
98 100
100 42.0 50.1 75.1#





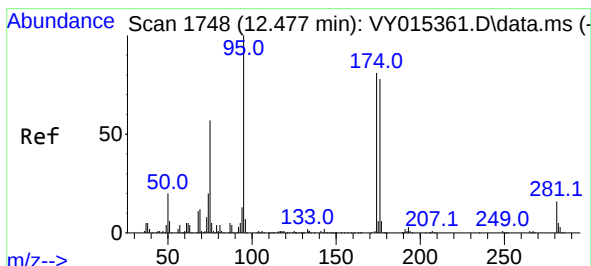
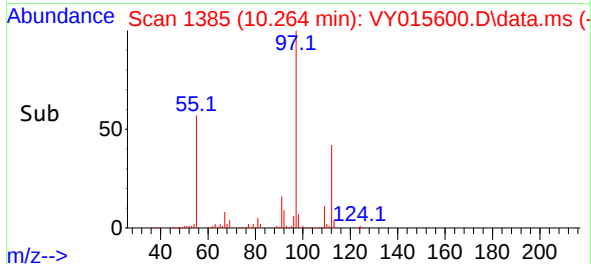
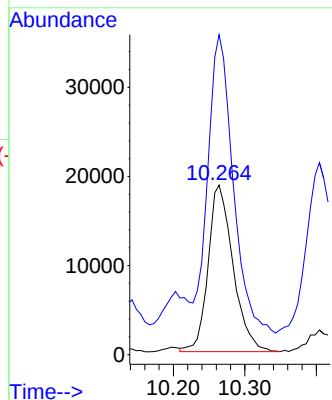
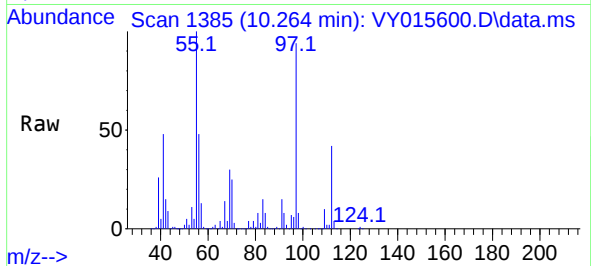
#52
Toluene
Concen: 8.284 ug/l
RT: 10.264 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)

Tgt Ion: 92 Resp: 45300
Ion Ratio Lower Upper
92 100
91 180.8 143.8 215.6

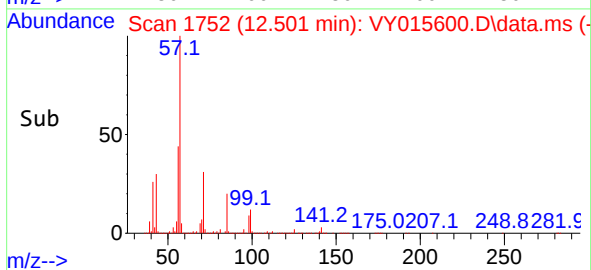
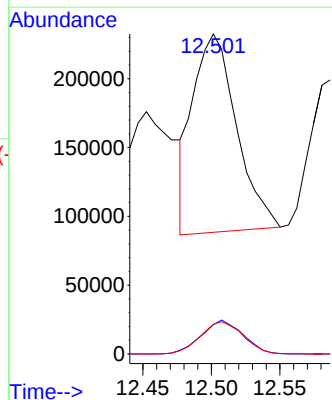
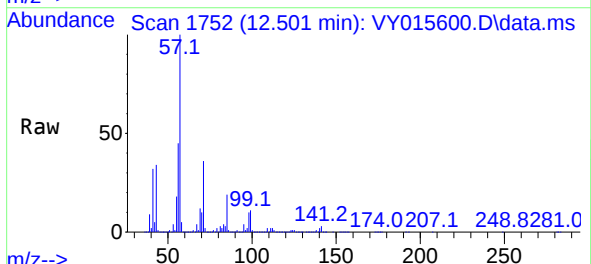
Manual Integrations
APPROVED

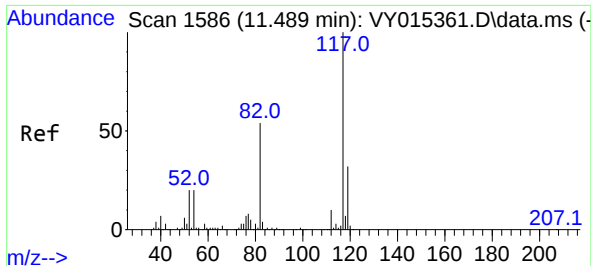
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#62
4-Bromofluorobenzene
Concen: 136.519 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

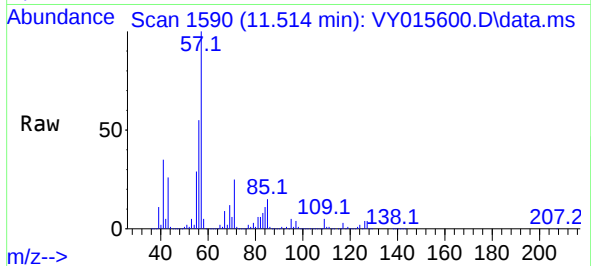
Tgt Ion: 95 Resp: 319630
Ion Ratio Lower Upper
95 100
174 16.2 0.0 178.2
176 15.8 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

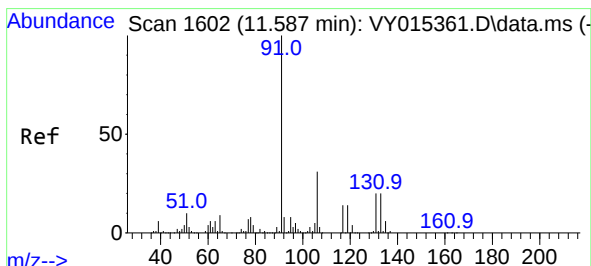
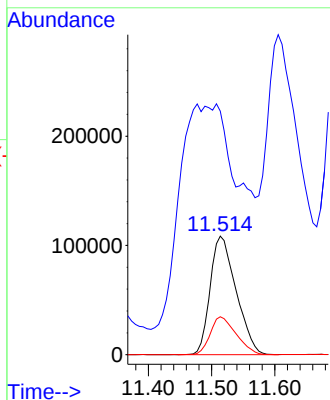
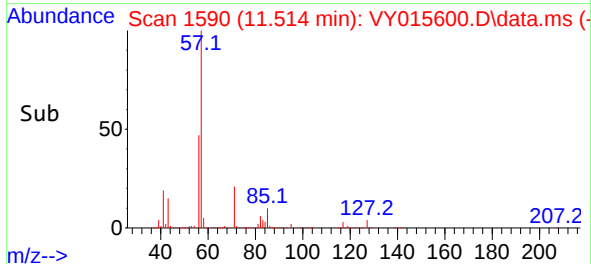
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



Tgt Ion:117 Resp: 309039
Ion Ratio Lower Upper
117 100
82 74.7 43.4 65.0
119 32.0 26.3 39.5

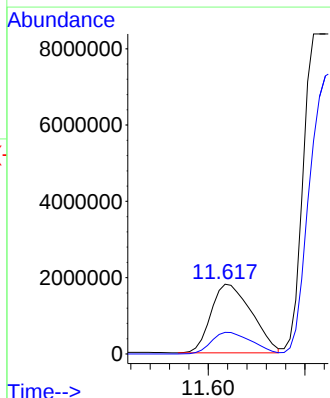
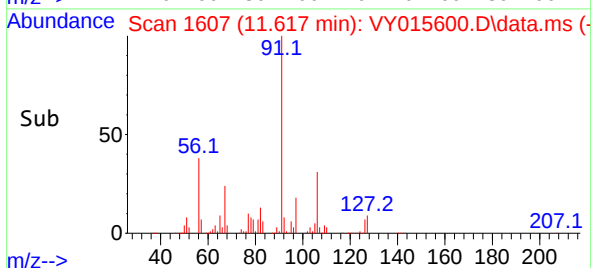
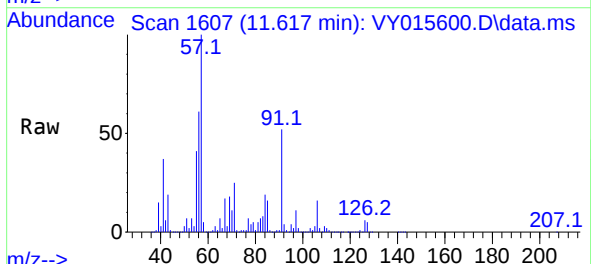
Manual Integrations
APPROVED

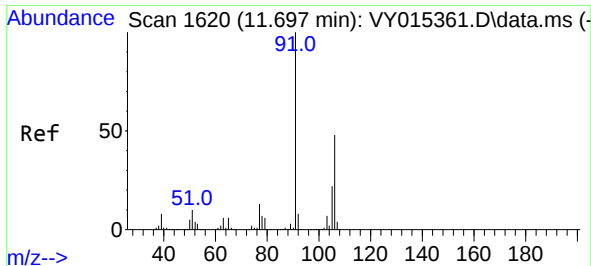
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#67
Ethyl Benzene
Concen: 437.746 ug/l
RT: 11.617 min Scan# 1607
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

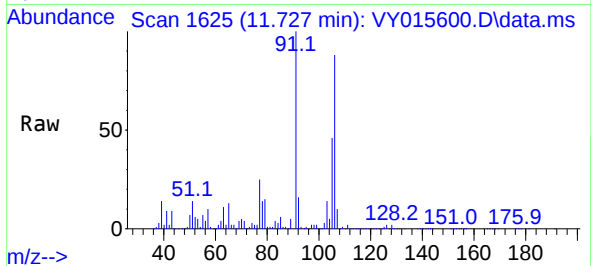
Tgt Ion: 91 Resp: 5234494
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8





#68
m/p-Xylenes
Concen: 6182.099 ug/l
RT: 11.727 min Scan# 1625
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

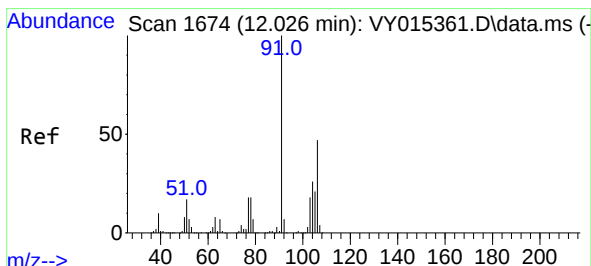
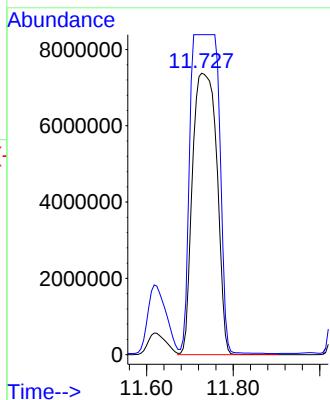
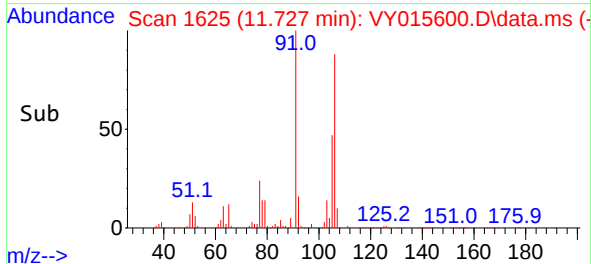
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



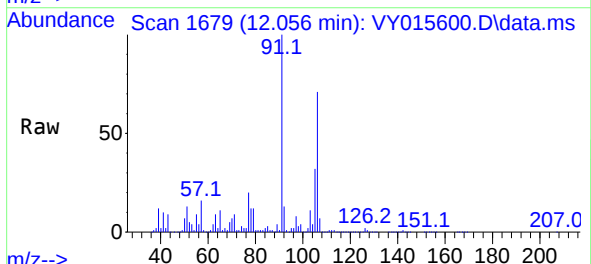
Tgt Ion:106 Resp:28654362
Ion Ratio Lower Upper
106 100
91 0.0 166.1 249.1

Manual Integrations
APPROVED

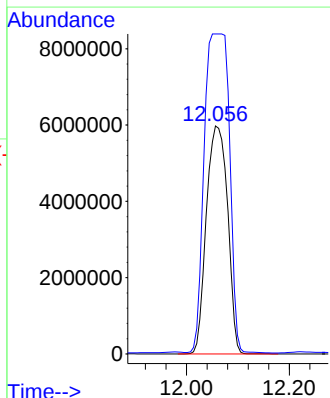
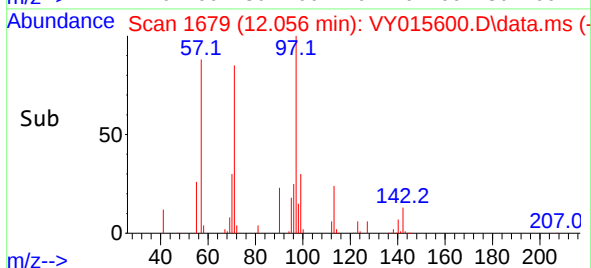
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

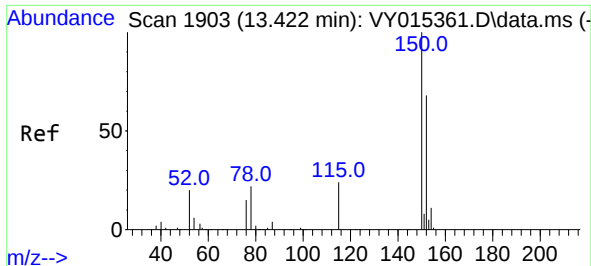


#69
o-Xylene
Concen: 3857.904 ug/l
RT: 12.056 min Scan# 1679
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20



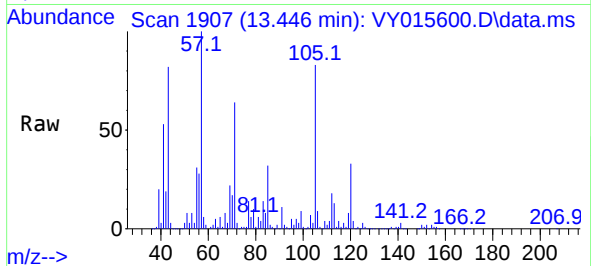
Tgt Ion:106 Resp:17089282
Ion Ratio Lower Upper
106 100
91 165.9 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.024 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

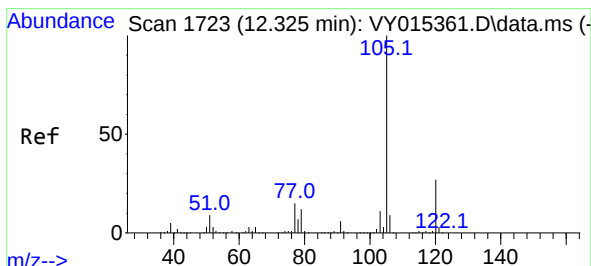
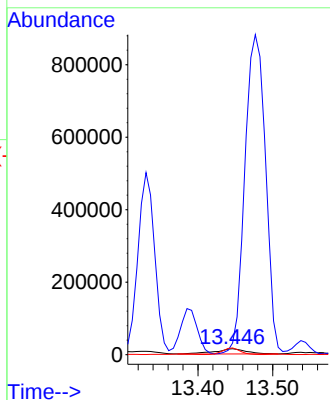
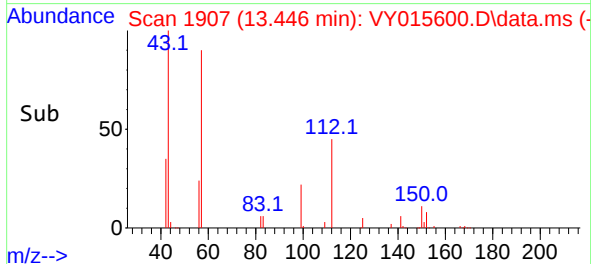
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



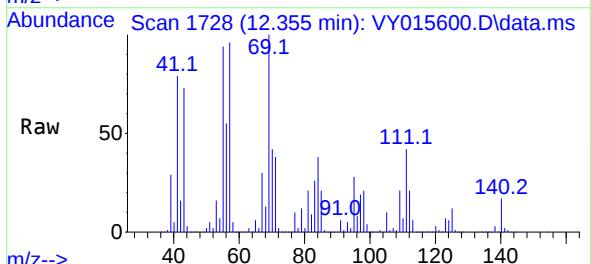
Tgt Ion:152 Resp: 40840
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5
150 71.7 0.0 348.8

Manual Integrations
APPROVED

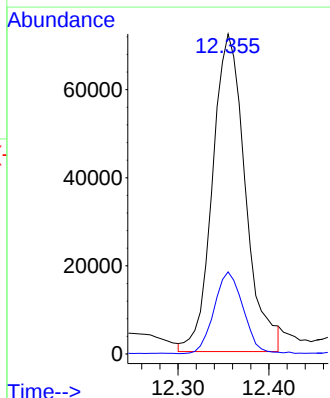
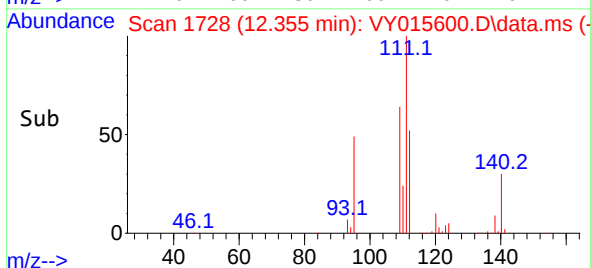
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

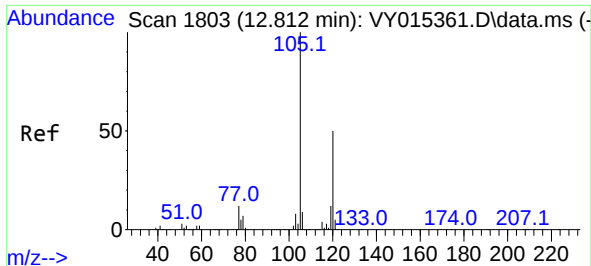


#73
Isopropylbenzene
Concen: 59.017 ug/l m
RT: 12.355 min Scan# 1728
Delta R.T. 0.030 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20



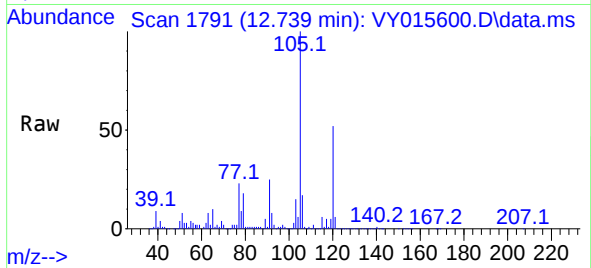
Tgt Ion:105 Resp: 181043
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#





#80
1,3,5-Trimethylbenzene
Concen: 28715.861 ug/l m
RT: 12.739 min Scan# 11
Delta R.T. -0.073 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

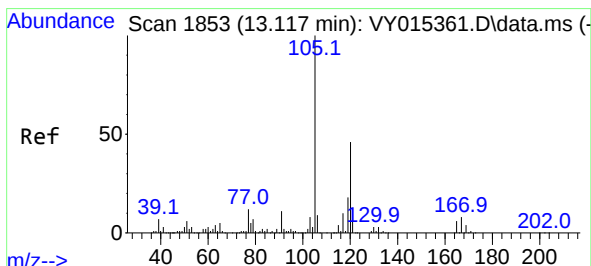
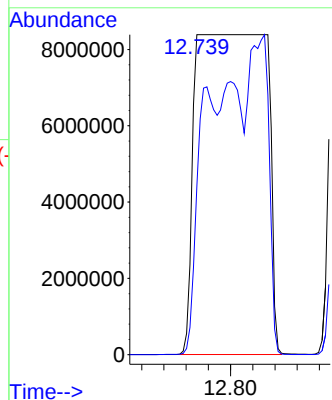
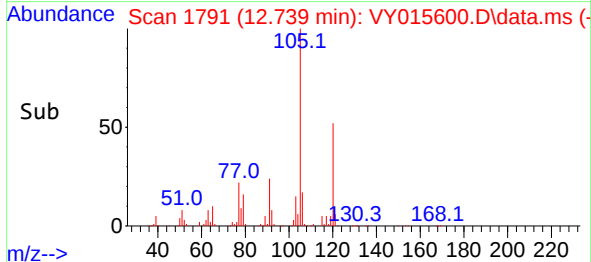
Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



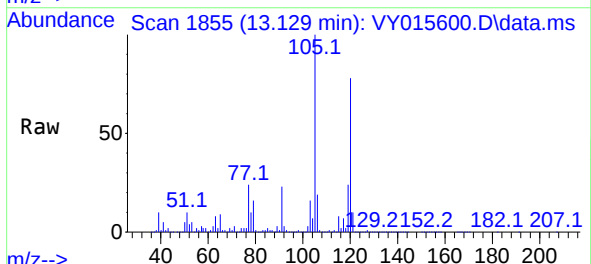
Tgt Ion:105 Resp:7368099
Ion Ratio Lower Upper
105 100
120 0.0 23.9 71.7

Manual Integrations
APPROVED

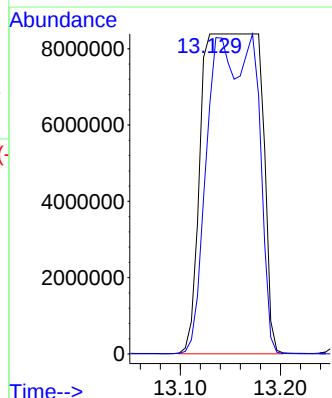
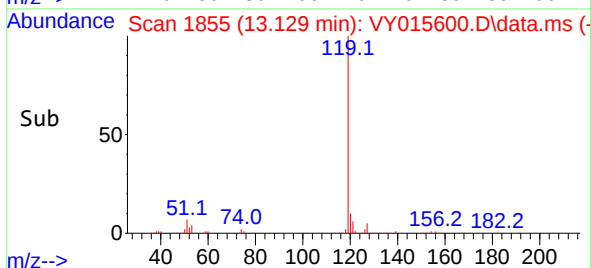
Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

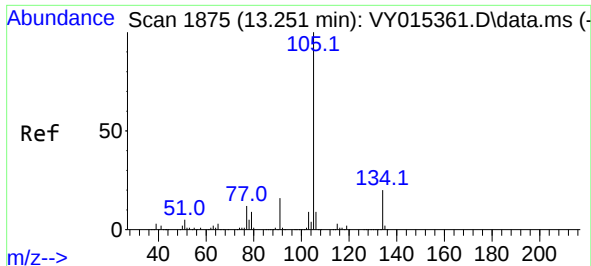


#84
1,2,4-Trimethylbenzene
Concen: 13501.876 ug/l m
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20



Tgt Ion:105 Resp:34397569
Ion Ratio Lower Upper
105 100
120 0.0 22.2 66.6





#85
 sec-Butylbenzene
 Concen: 558.167 ug/l
 RT: 13.270 min Scan# 1875
 Delta R.T. 0.018 min
 Lab File: VY015600.D
 Acq: 16 Sep 2023 04:20

Instrument :

MSVOA_Y

ClientSampleId :

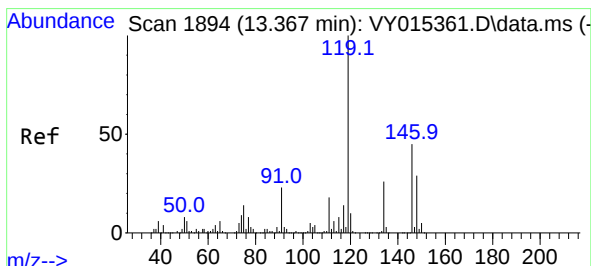
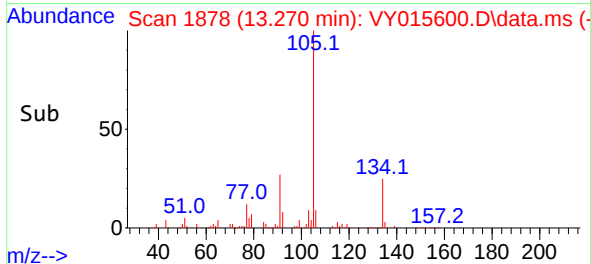
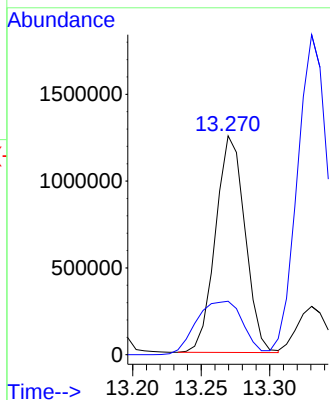
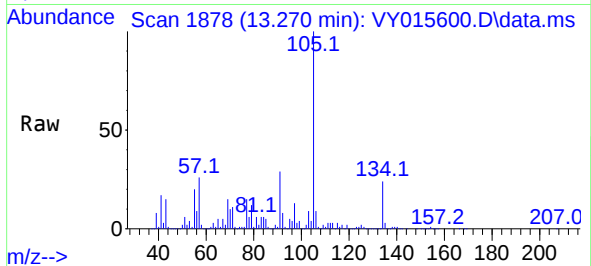
DB-06(25-27)

Tgt Ion:105 Resp: 1871004
 Ion Ratio Lower Upper
 105 100
 134 38.8 10.2 30.6

Manual Integrations

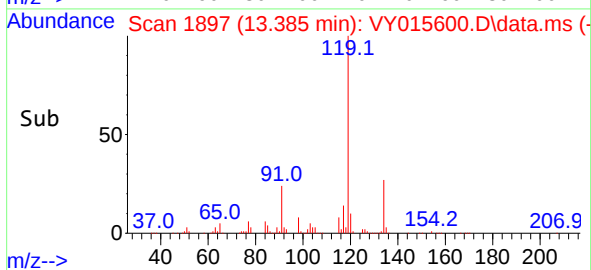
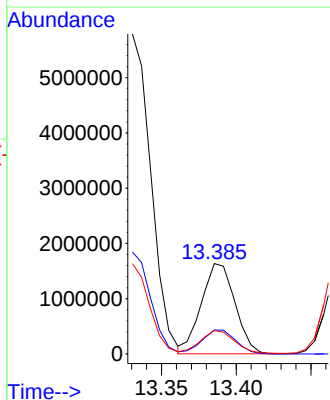
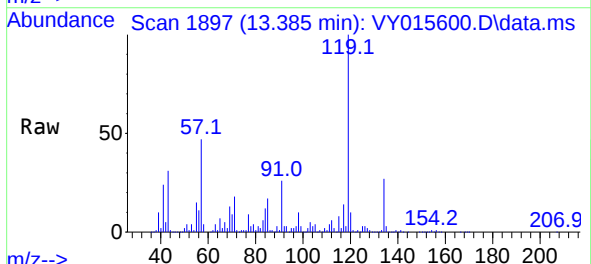
APPROVED

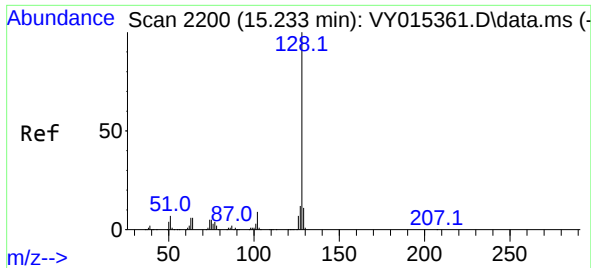
Reviewed By :Semsettin Yesilyurt 09/27/2023
 Supervised By :Mahesh Dadoda 09/27/2023



#86
 p-Isopropyltoluene
 Concen: 911.029 ug/l
 RT: 13.385 min Scan# 1897
 Delta R.T. 0.018 min
 Lab File: VY015600.D
 Acq: 16 Sep 2023 04:20

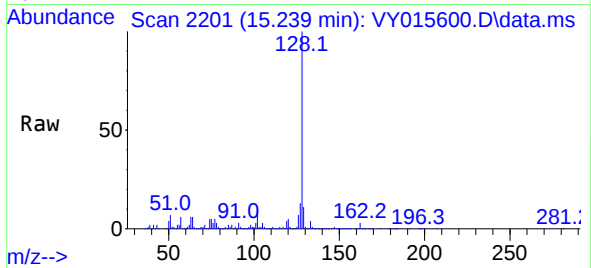
Tgt Ion:119 Resp: 2559456
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 25.1 12.4 37.4





#95
Naphthalene
Concen: 483.312 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015600.D
Acq: 16 Sep 2023 04:20

Instrument :
MSVOA_Y
ClientSampleId :
DB-06(25-27)



Tgt Ion:128 Resp: 98418
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

