

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015604.D
 Acq On : 16 Sep 2023 05:54
 Operator : SY/MD
 Sample : 04419-18
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(37-40)

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
 Supervised By :Semsettin Yesilyurt 09/18/2023

Quant Time: Sep 18 05:40:09 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	245075	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	403292	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	369540	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	184735	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	154637	58.861	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.720%			
35) Dibromofluoromethane	7.734	113	126878	54.621	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.240%			
50) Toluene-d8	10.191	98	466507	55.457	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.920%			
62) 4-Bromofluorobenzene	12.489	95	174375	55.839	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.680%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	14505	5.127	ug/l	97
16) Acetone	3.967	43	27129	24.740	ug/l	97
17) Carbon Disulfide	4.204	76	50306	6.907	ug/l	100
18) Methyl Acetate	4.503	43	8293	2.088	ug/l	97
25) 2-Butanone	7.009	43	12140	7.806	ug/l	94
52) Toluene	10.252	92	357249	48.981	ug/l	95
59) 2-Hexanone	10.843	43	4187	1.765	ug/l	96
68) m/p-Xylenes	11.709	106	17658	3.186	ug/l	95
69) o-Xylene	12.038	106	8626	1.629	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	178627	15.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	484880	42.076	ug/l	98
95) Naphthalene	15.245	128	115897	12.582	ug/l	99

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

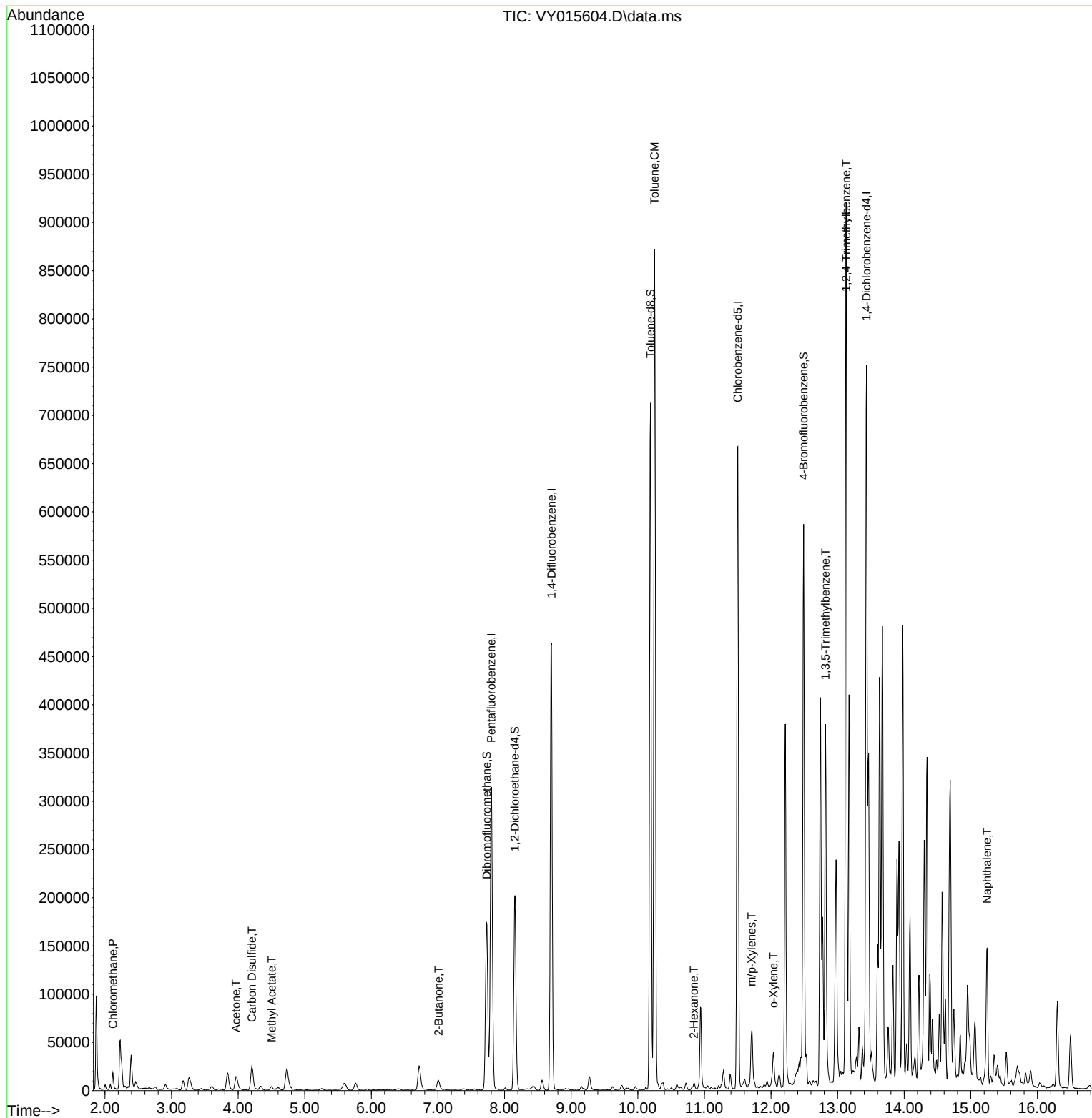
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015604.D
Acq On : 16 Sep 2023 05:54
Operator : SY/MD
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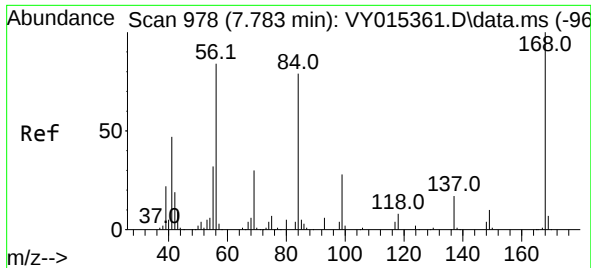
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)

Quant Time: Sep 18 05:40:09 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

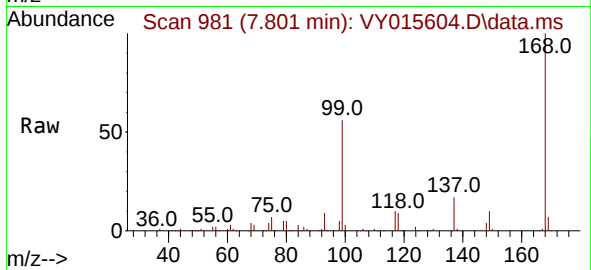
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

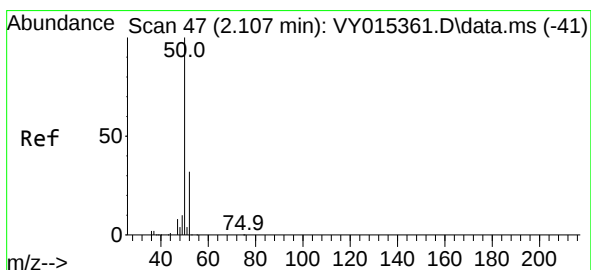
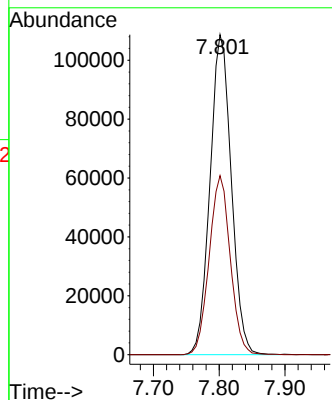
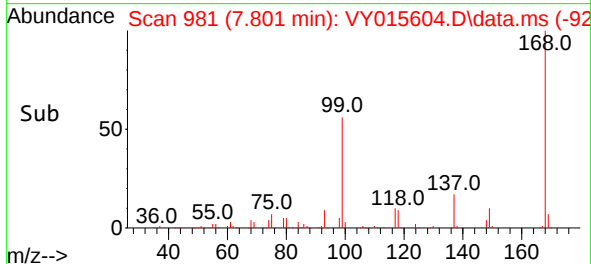
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)



Tgt Ion:168 Resp: 245075
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0

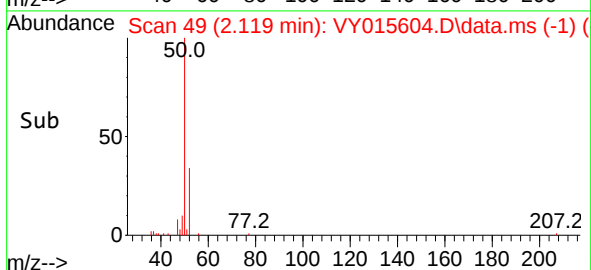
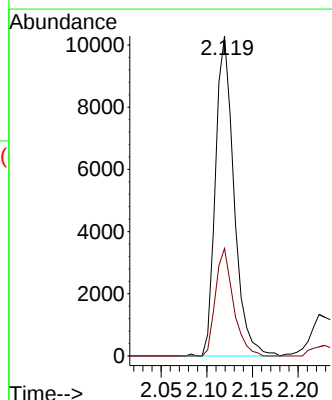
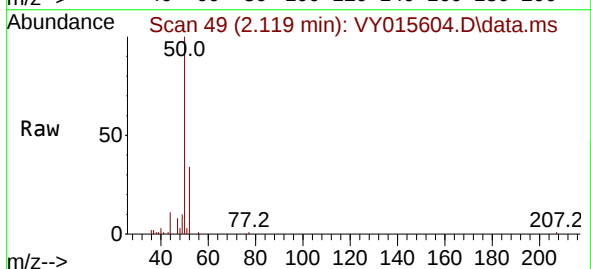
Manual Integrations
APPROVED

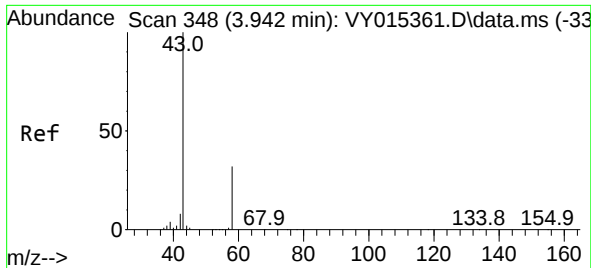
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#3
Chloromethane
Concen: 5.127 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

Tgt Ion: 50 Resp: 14505
Ion Ratio Lower Upper
50 100
52 33.6 25.4 38.2





#16

Acetone

Concen: 24.740 ug/l

RT: 3.967 min Scan# 3

Delta R.T. 0.025 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(37-40)

Tgt Ion: 43 Resp: 27129

Ion Ratio Lower Upper

43 100

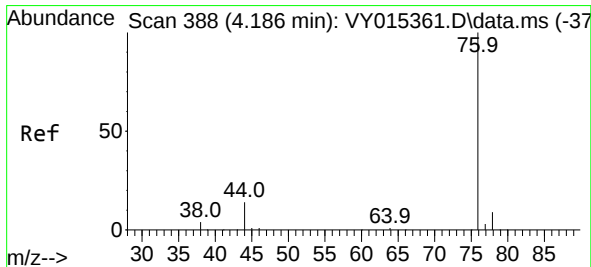
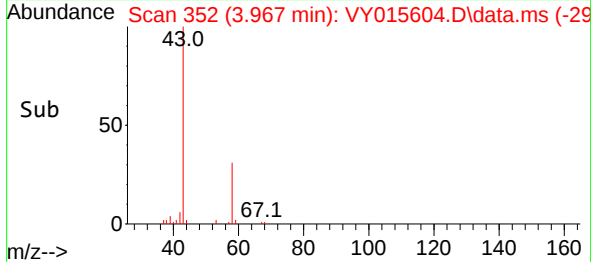
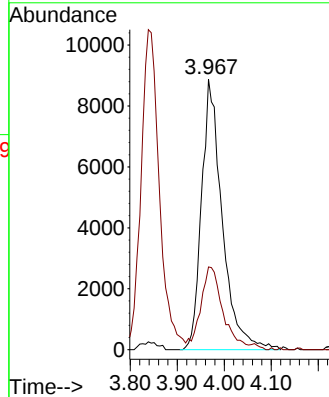
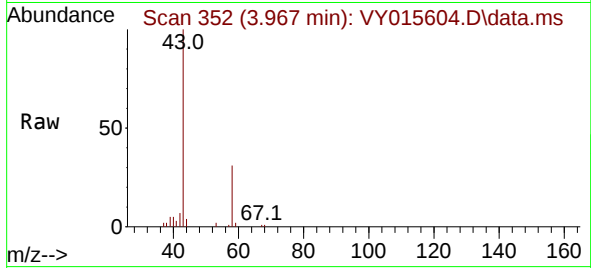
58 29.9 22.7 34.1

Manual Integrations

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#17

Carbon Disulfide

Concen: 6.907 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015604.D

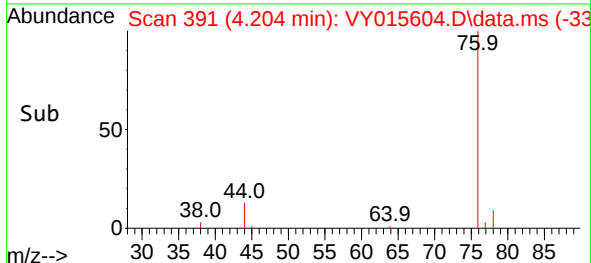
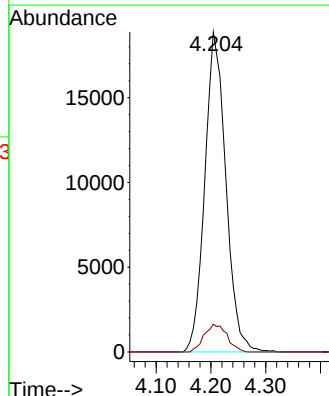
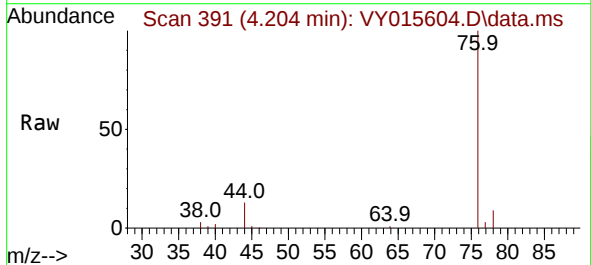
Acq: 16 Sep 2023 05:54

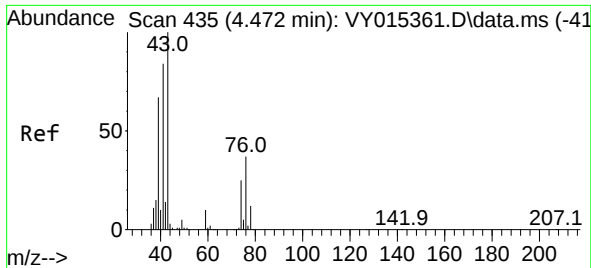
Tgt Ion: 76 Resp: 50306

Ion Ratio Lower Upper

76 100

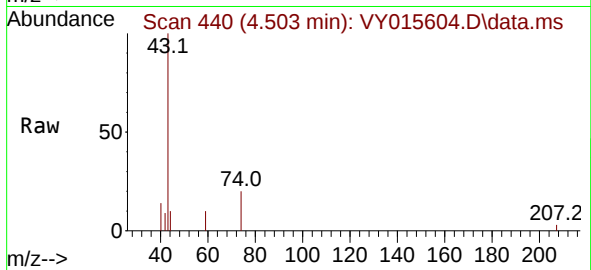
78 8.7 7.0 10.4





#18
Methyl Acetate
Concen: 2.088 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.031 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

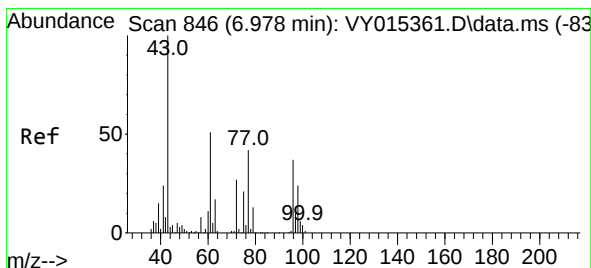
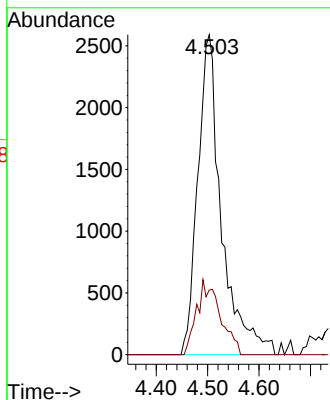
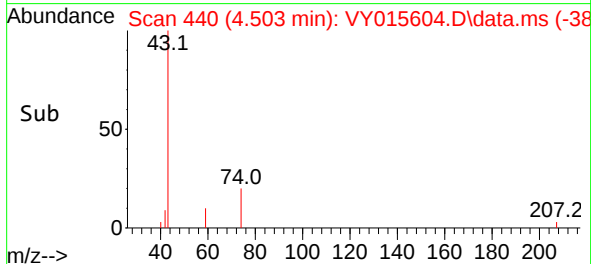
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)



Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
74 23.2 17.4 26.0

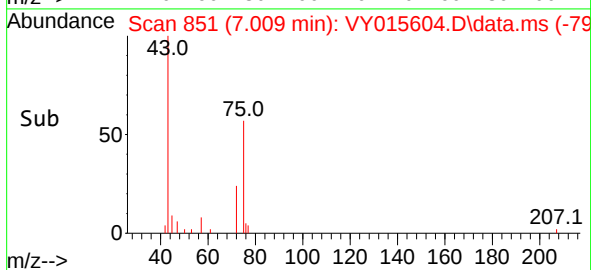
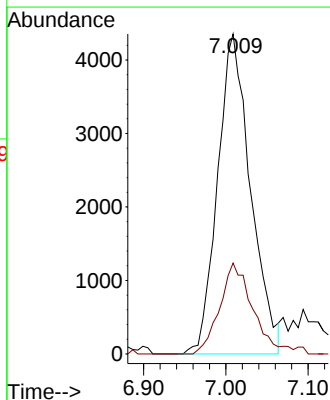
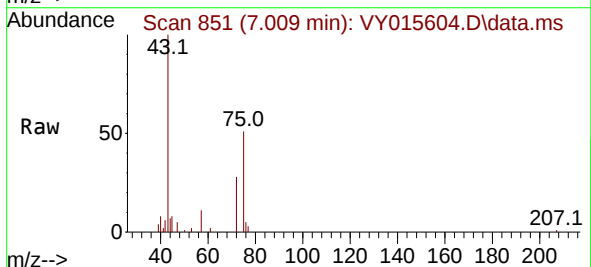
Manual Integrations
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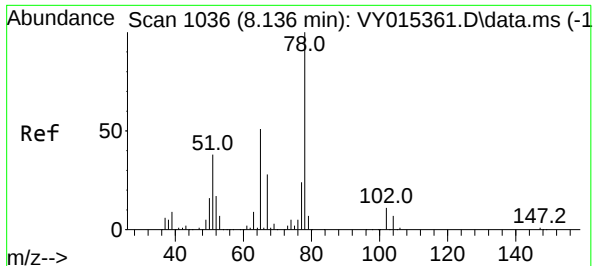
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#25
2-Butanone
Concen: 7.806 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.031 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

Tgt Ion: 43 Resp: 12140
Ion Ratio Lower Upper
43 100
72 28.4 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 58.861 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.018 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(37-40)

Tgt Ion: 65 Resp: 15463

Ion Ratio Lower Upper

65 100

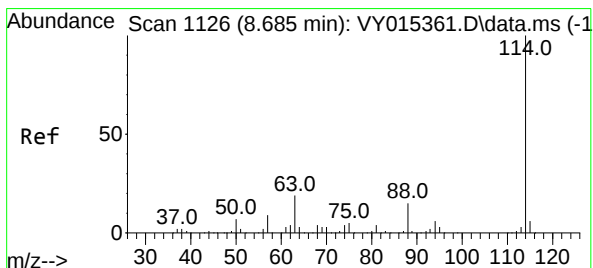
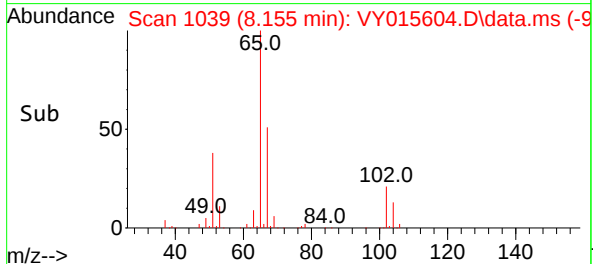
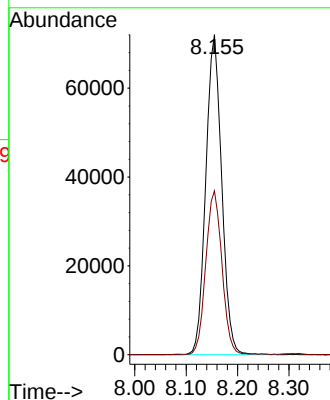
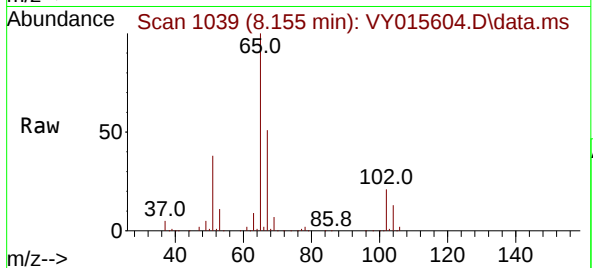
67 51.8 0.0 101.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

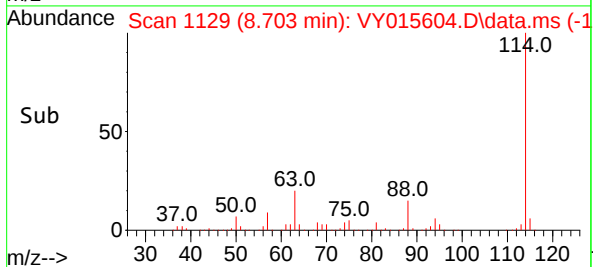
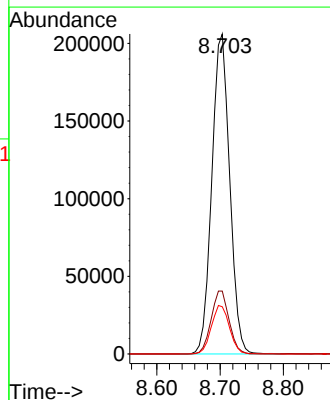
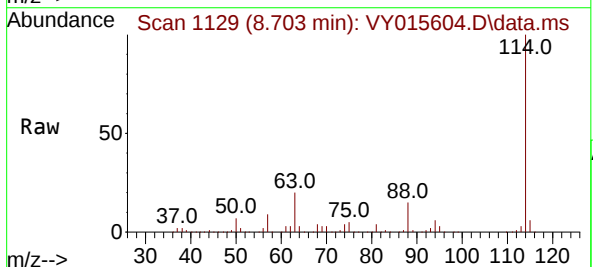
Tgt Ion:114 Resp: 403292

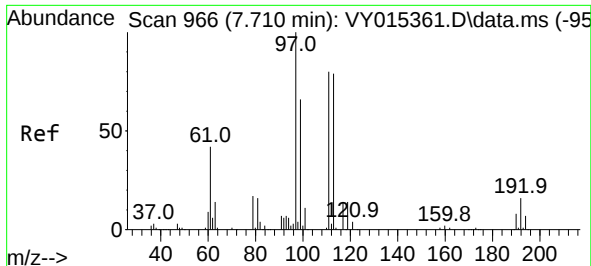
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

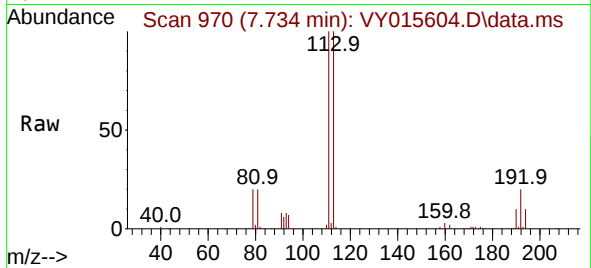
88 14.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 54.621 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

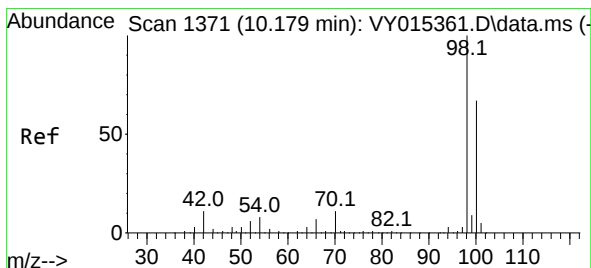
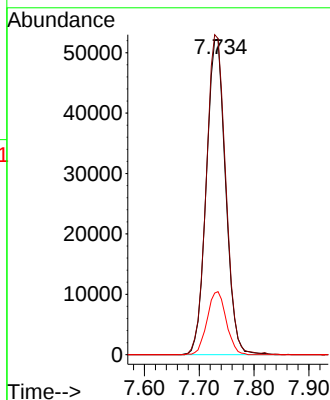
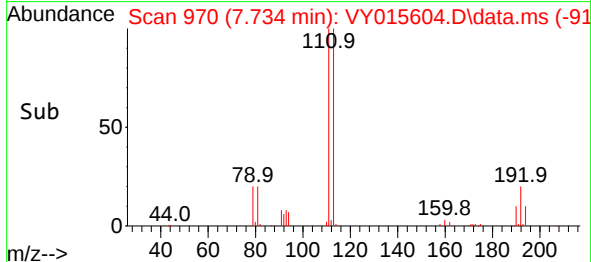
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)



Tgt Ion:113 Resp: 126878
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.9 16.9 25.3

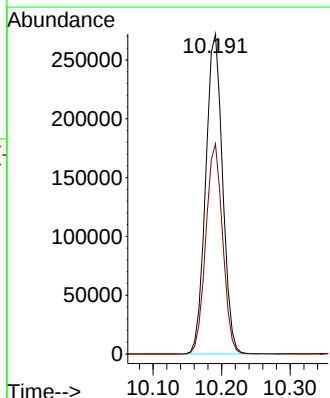
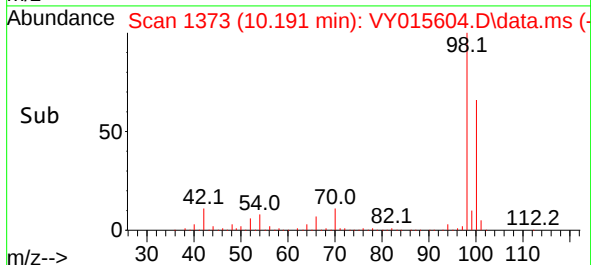
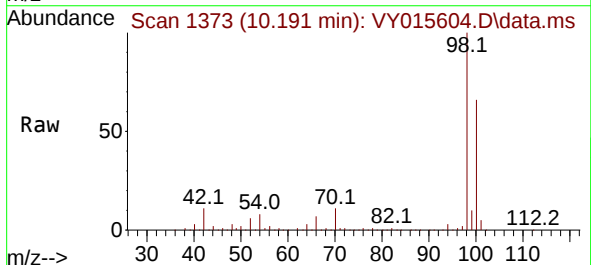
Manual Integrations
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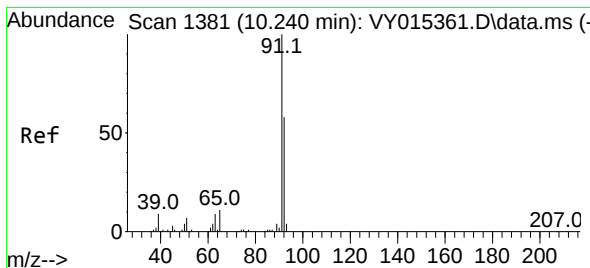
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#50
Toluene-d8
Concen: 55.457 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

Tgt Ion: 98 Resp: 466507
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1





#52

Toluene

Concen: 48.981 ug/l

RT: 10.252 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(37-40)

Tgt Ion: 92 Resp: 357249

Ion Ratio Lower Upper

92 100

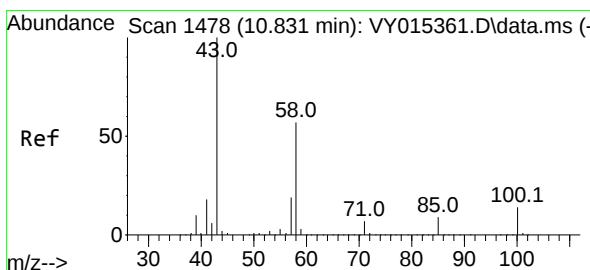
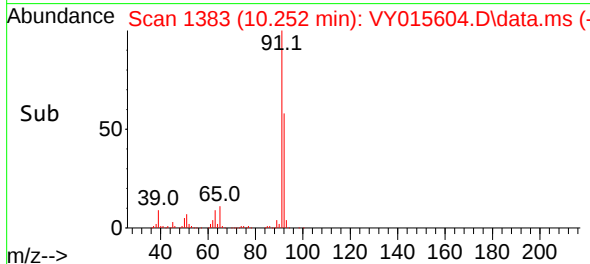
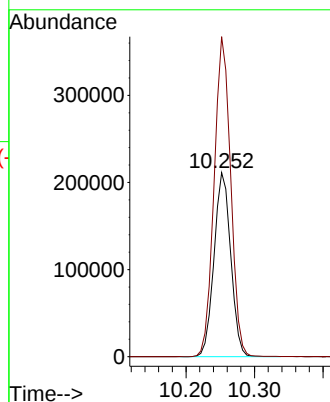
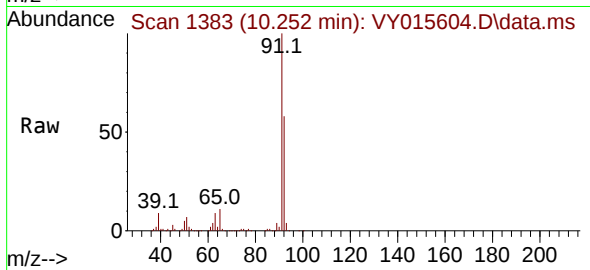
91 172.8 143.8 215.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023

Supervised By :Semsettin Yesilyurt 09/18/2023



#59

2-Hexanone

Concen: 1.765 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. 0.012 min

Lab File: VY015604.D

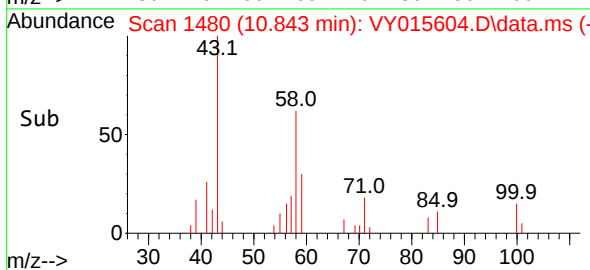
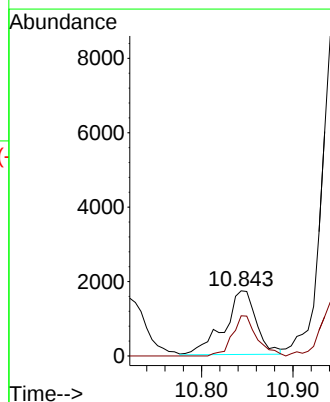
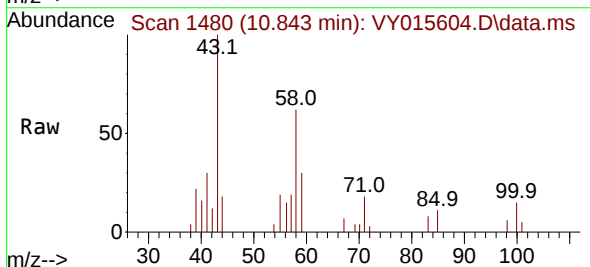
Acq: 16 Sep 2023 05:54

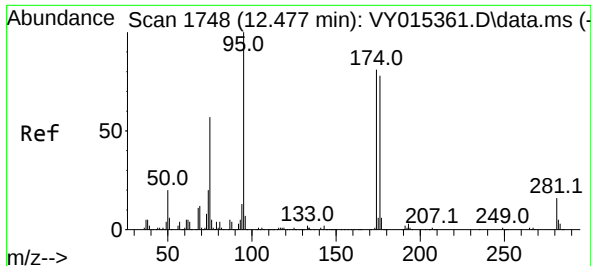
Tgt Ion: 43 Resp: 4187

Ion Ratio Lower Upper

43 100

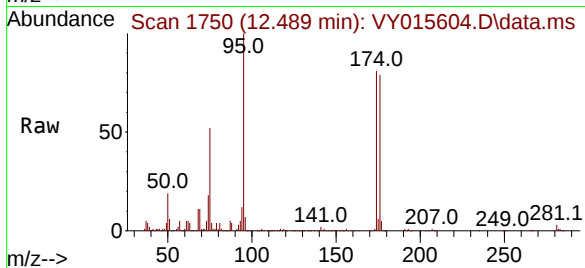
58 47.6 25.1 75.3





#62
4-Bromofluorobenzene
Concen: 55.839 ug/l
RT: 12.489 min Scan# 1748
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

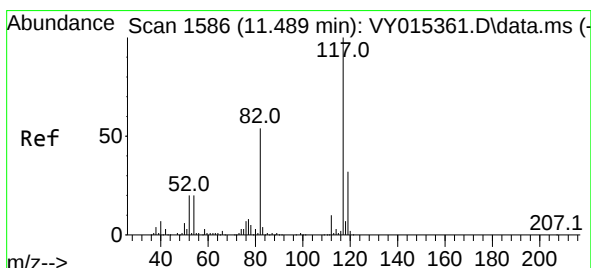
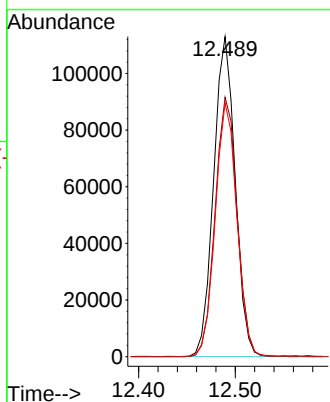
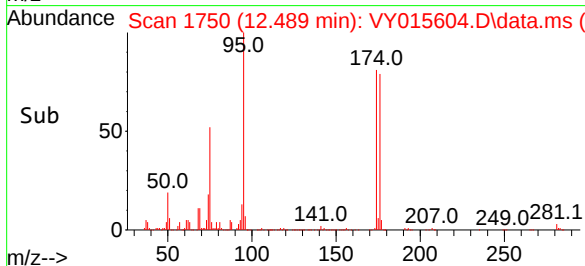
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)



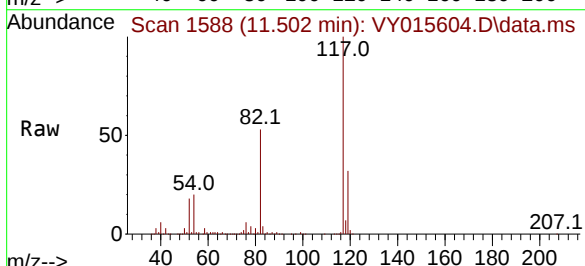
Tgt Ion: 95 Resp: 174375
Ion Ratio Lower Upper
95 100
174 82.8 0.0 178.2
176 79.9 0.0 173.8

Manual Integrations
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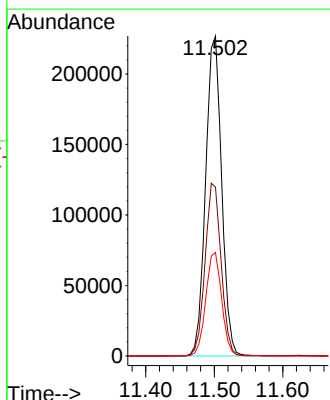
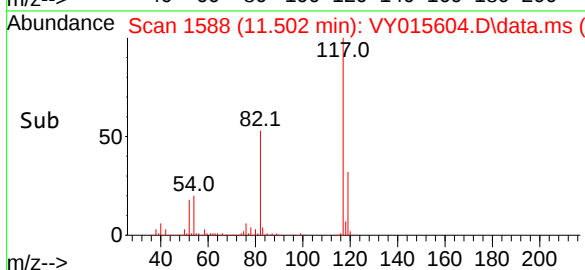
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023

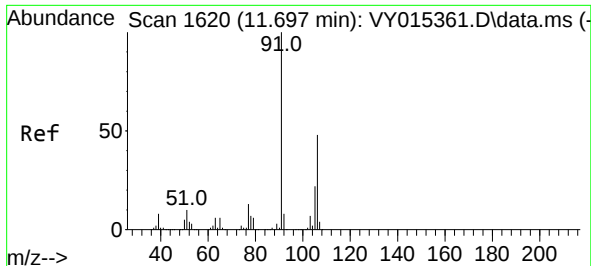


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54



Tgt Ion:117 Resp: 369540
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.3 26.3 39.5





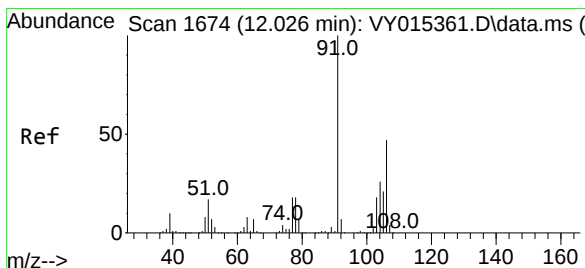
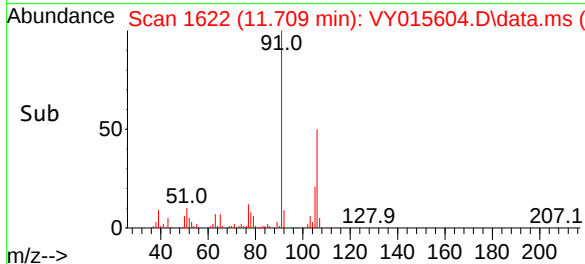
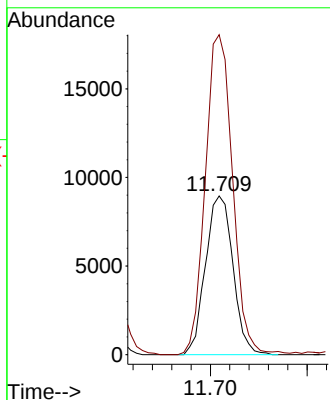
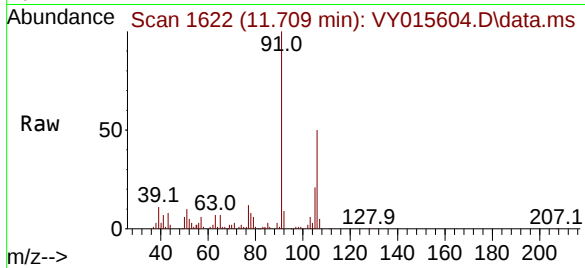
#68
m/p-Xylenes
Concen: 3.186 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)

Tgt Ion:106 Resp: 17658
Ion Ratio Lower Upper
106 100
91 200.5 166.1 249.1

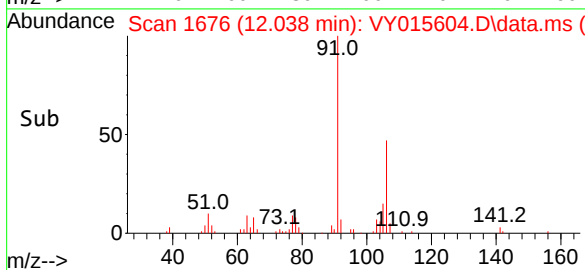
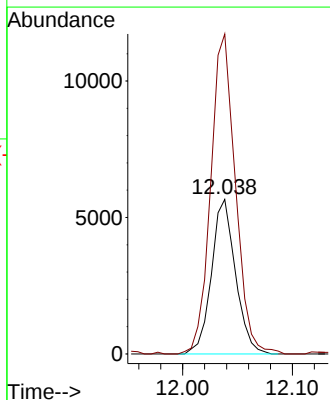
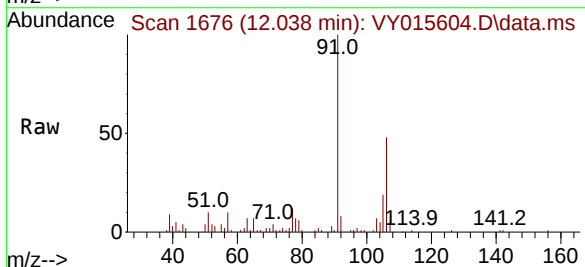
Manual Integrations
APPROVED

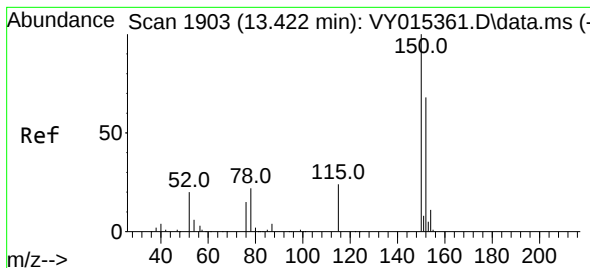
Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#69
o-Xylene
Concen: 1.629 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

Tgt Ion:106 Resp: 8626
Ion Ratio Lower Upper
106 100
91 212.8 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.012 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

Instrument :

MSVOA_Y

ClientSampleId :

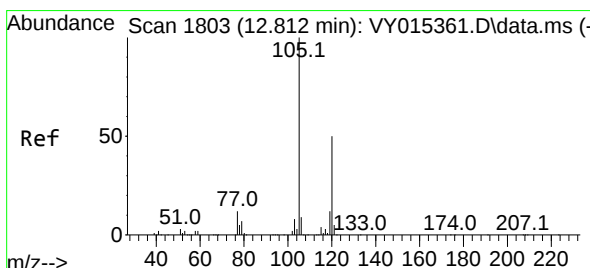
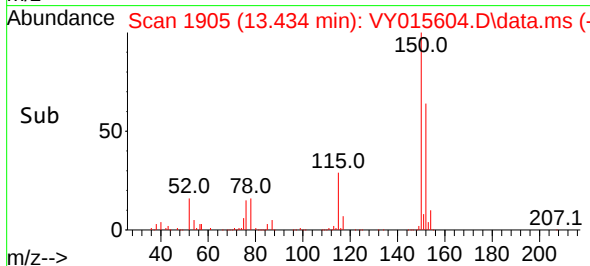
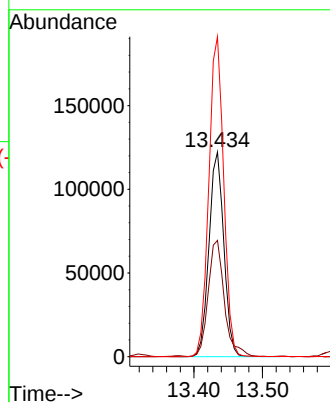
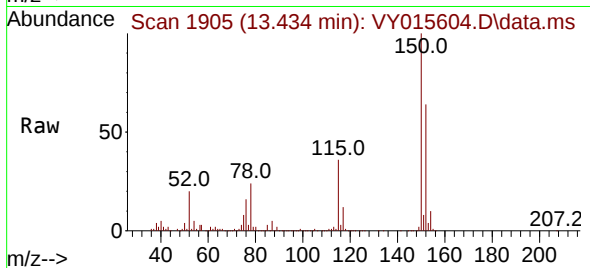
DB-08(37-40)

Tgt Ion:	152	Resp:	18473
Ion Ratio	Lower	Upper	
152	100		
115	61.8	28.8	86.5
150	156.4	0.0	348.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#80

1,3,5-Trimethylbenzene

Concen: 15.390 ug/l

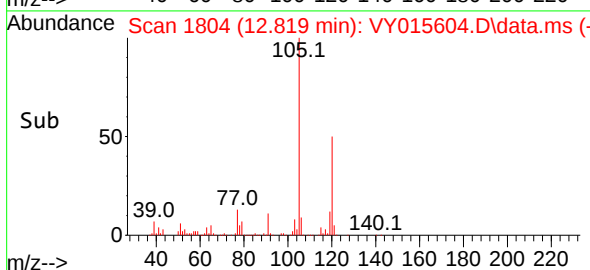
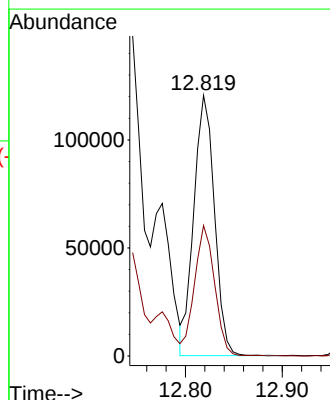
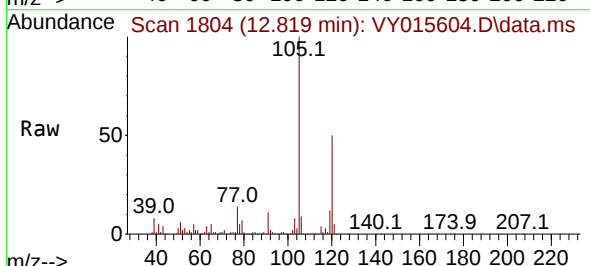
RT: 12.819 min Scan# 1804

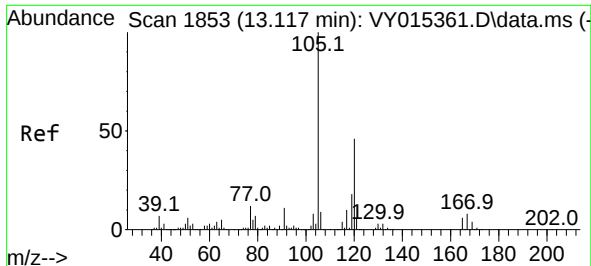
Delta R.T. 0.006 min

Lab File: VY015604.D

Acq: 16 Sep 2023 05:54

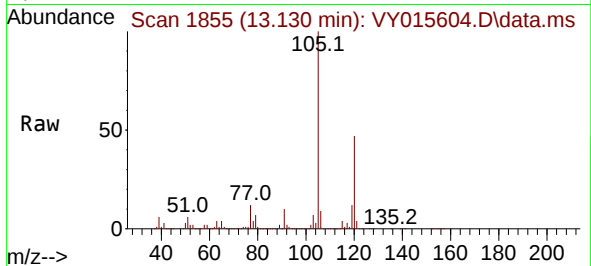
Tgt Ion:	105	Resp:	178627
Ion Ratio	Lower	Upper	
105	100		
120	48.9	23.9	71.7





#84
1,2,4-Trimethylbenzene
Concen: 42.076 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54

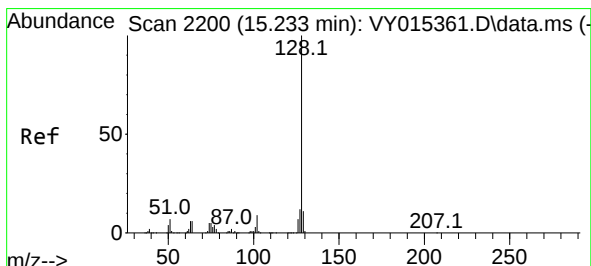
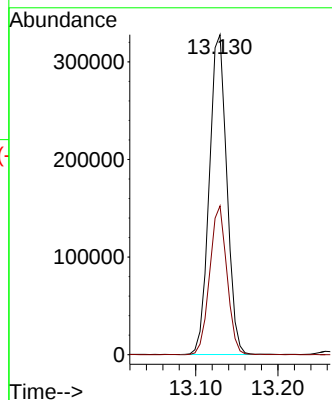
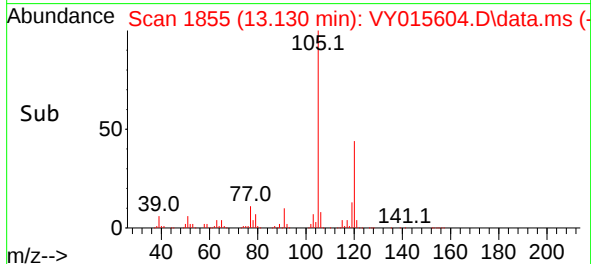
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(37-40)



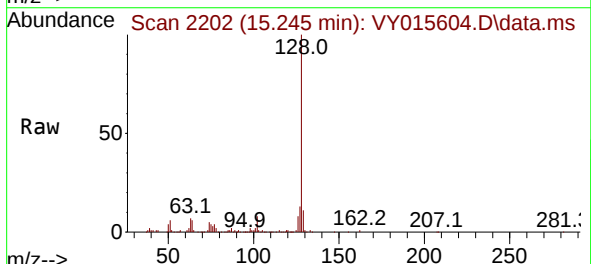
Tgt Ion:105 Resp: 484880
Ion Ratio Lower Upper
105 100
120 45.8 22.2 66.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/18/2023
Supervised By :Semsettin Yesilyurt 09/18/2023



#95
Naphthalene
Concen: 12.582 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY015604.D
Acq: 16 Sep 2023 05:54



Tgt Ion:128 Resp: 115897
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.1 8.6 13.0

