

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090523\
 Data File : VY015438.D
 Acq On : 05 Sep 2023 18:15
 Operator : SY/MD
 Sample : 04278-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 824-829

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/06/2023
 Supervised By :Semsettin Yesilyurt 09/06/2023

Quant Time: Sep 06 01:46:37 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	7.783	168	261616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	434377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	375667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	153283	54.656	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.320%			
35) Dibromofluoromethane	7.710	113	132942	53.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.280%			
50) Toluene-d8	10.173	98	504428	55.674	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.477	95	156210	46.442	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.880%			
Target Compounds					Qvalue	
16) Acetone	3.942	43	82373	70.369	ug/l	94
17) Carbon Disulfide	4.180	76	85676	11.020	ug/l	98
30) Chloroform	7.496	83	30861	5.608	ug/l	97
31) Cyclohexane	7.759	56	33863	6.797	ug/l #	58
39) Methylcyclohexane	9.179	83	12199	2.206	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	30696	9.014	ug/l	97
52) Toluene	10.240	92	226933	28.887	ug/l	96
67) Ethyl Benzene	11.587	91	52618	3.620	ug/l	100
68) m/p-Xylenes	11.691	106	99473	17.655	ug/l	95
69) o-Xylene	12.026	106	59336	11.019	ug/l	96
73) Isopropylbenzene	12.331	105	18847	1.665	ug/l	82
80) 1,3,5-Trimethylbenzene	12.806	105	24934	2.634	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	64706	6.884	ug/l	100
86) p-Isopropyltoluene	13.367	119	168804m	16.286	ug/l	
95) Naphthalene	15.233	128	17499	2.329	ug/l #	69

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

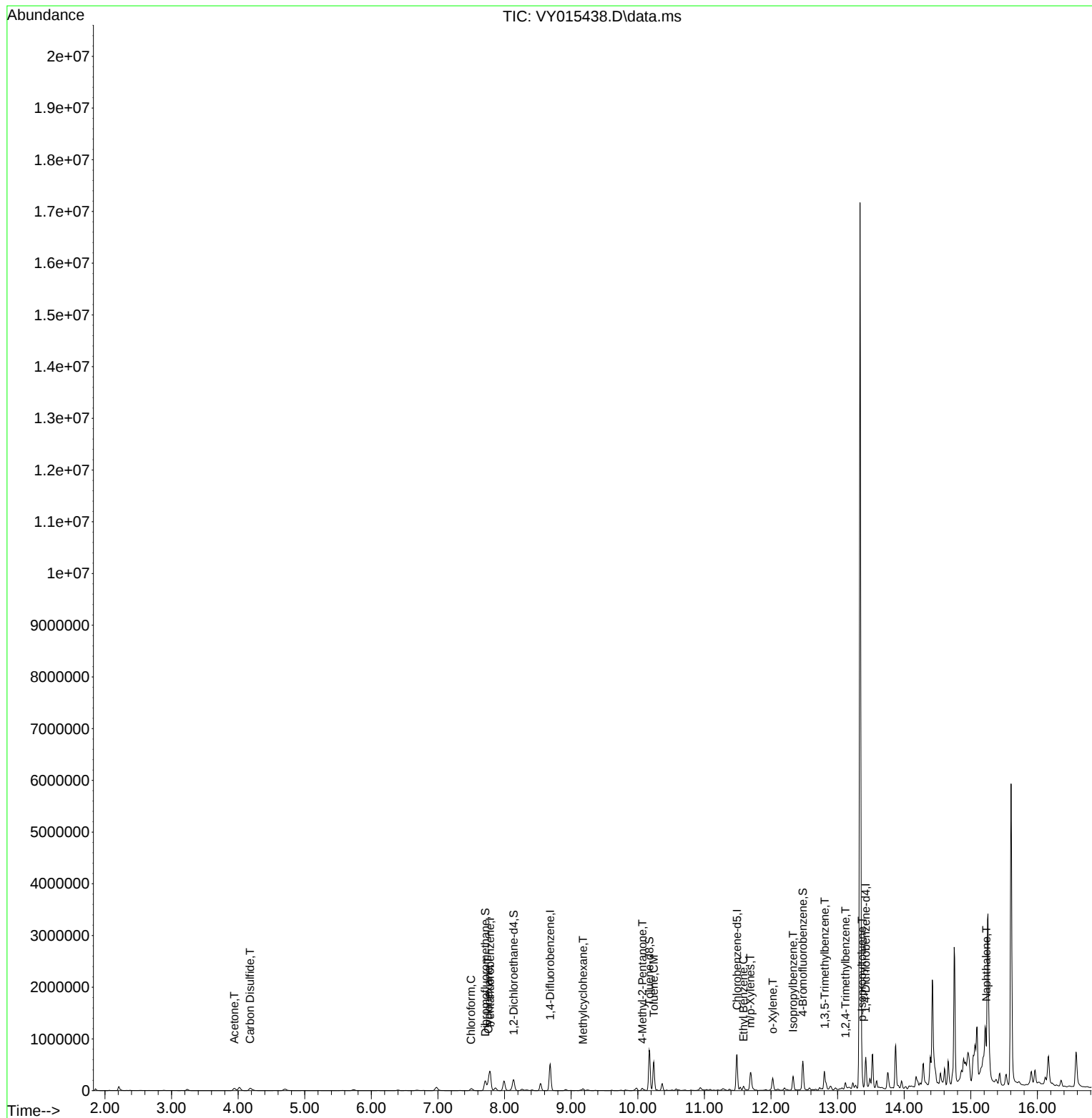
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090523\
Data File : VY015438.D
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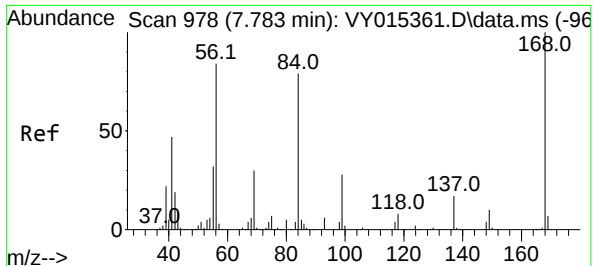
Instrument :
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824-829

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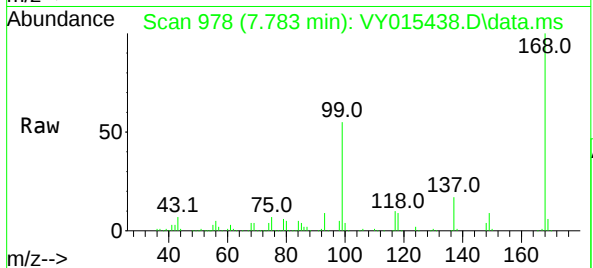
Quant Time: Sep 06 01:46:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

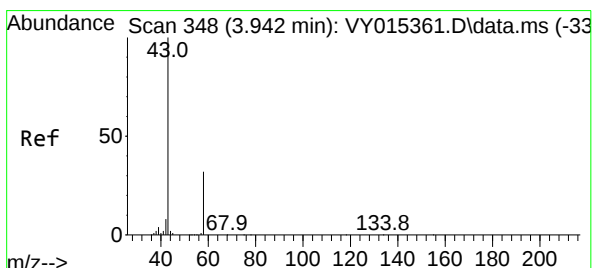
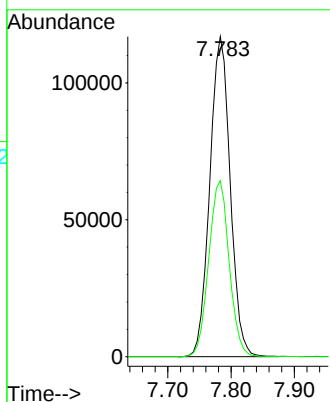
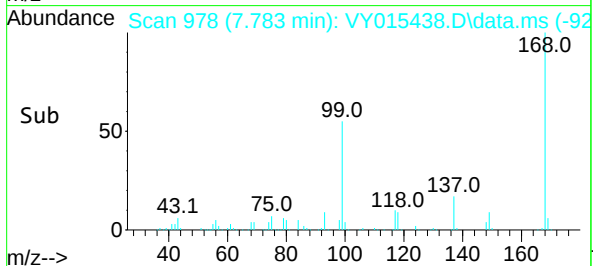
Instrument :
MSVOA_Y
ClientSampleId :
824-829



Tgt Ion:168 Resp: 261610
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0

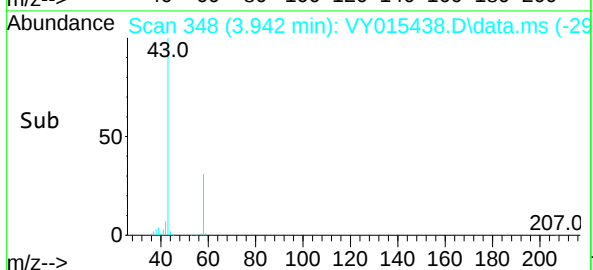
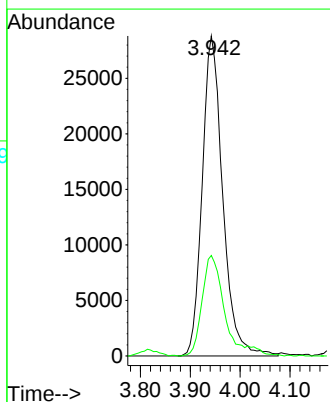
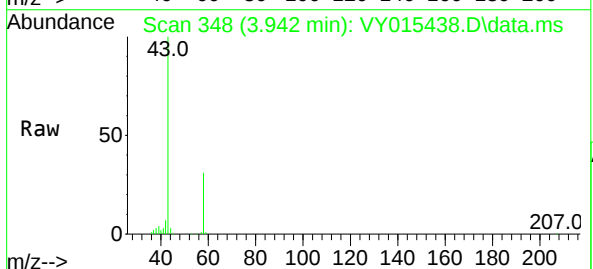
Manual Integrations
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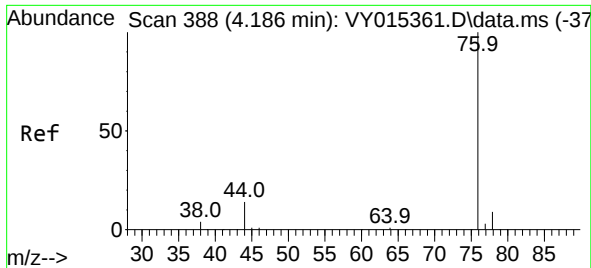
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023



#16
Acetone
Concen: 70.369 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

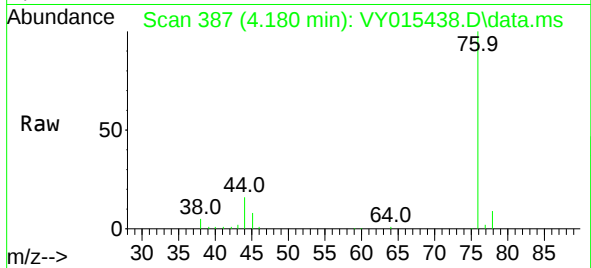
Tgt Ion: 43 Resp: 82373
Ion Ratio Lower Upper
43 100
58 31.4 22.7 34.1





#17
Carbon Disulfide
Concen: 11.020 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

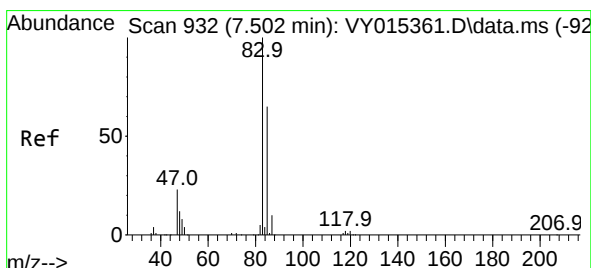
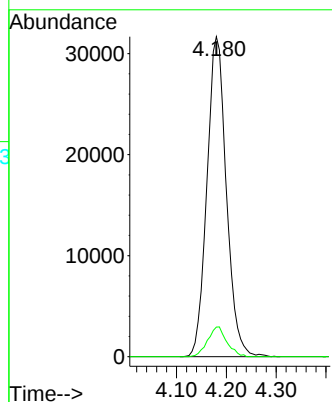
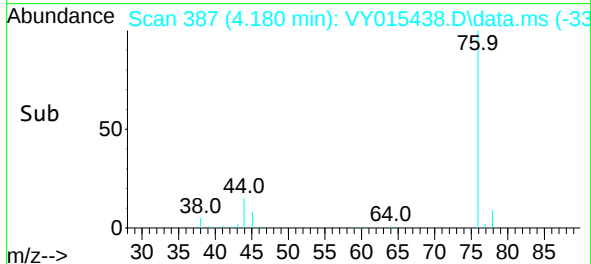
Instrument :
MSVOA_Y
ClientSampleId :
824-829



Tgt Ion: 76 Resp: 85670
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

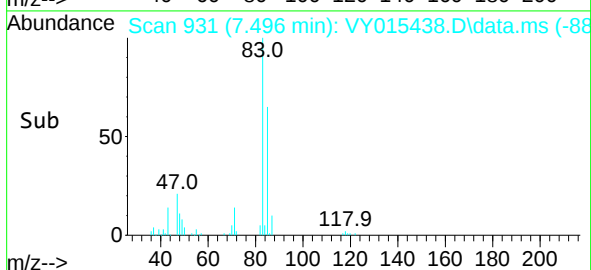
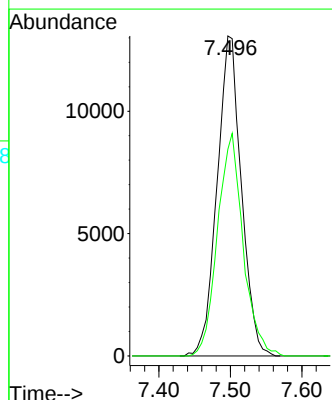
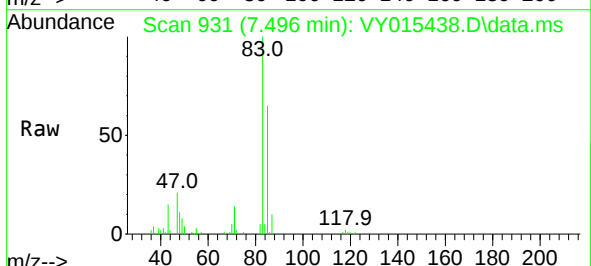
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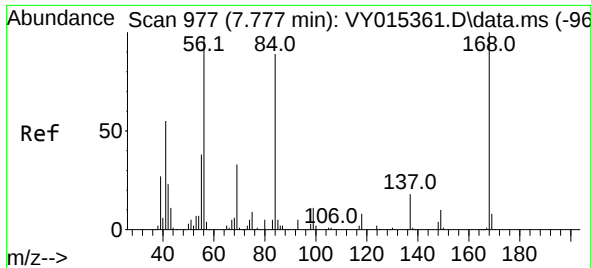
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023



#30
Chloroform
Concen: 5.608 ug/l
RT: 7.496 min Scan# 931
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

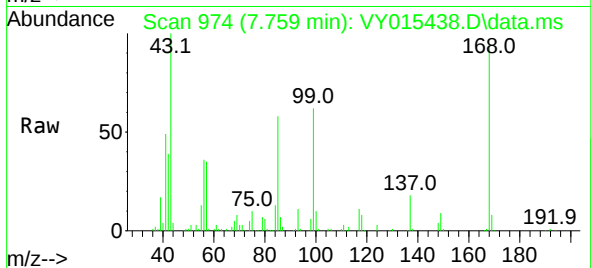
Tgt Ion: 83 Resp: 30861
Ion Ratio Lower Upper
83 100
85 64.6 49.7 74.5





#31
Cyclohexane
Concen: 6.797 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.024 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

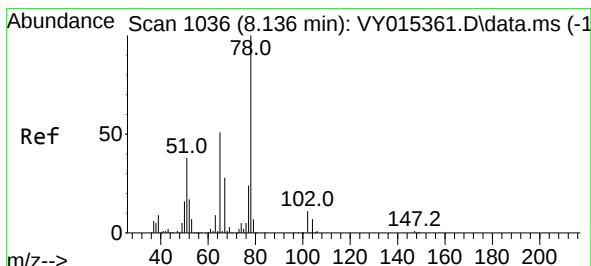
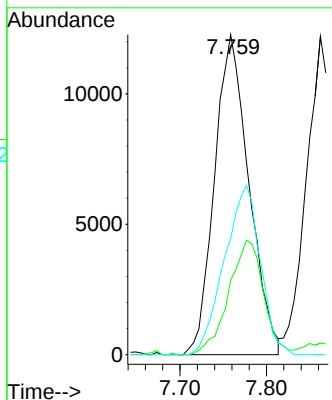
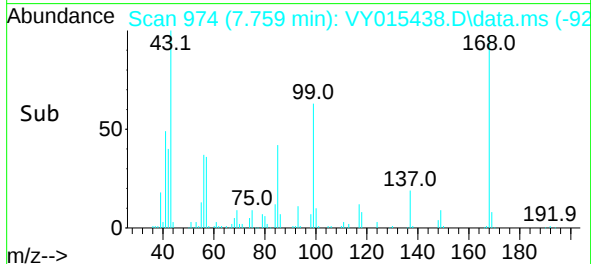
Instrument :
MSVOA_Y
ClientSampleId :
824-829



Tgt Ion: 56 Resp: 3386
Ion Ratio Lower Upper
56 100
69 23.4 27.8 41.6
84 36.3 66.4 99.6

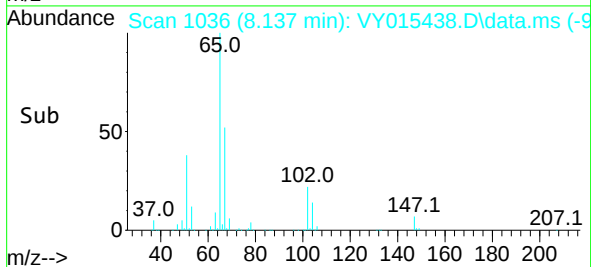
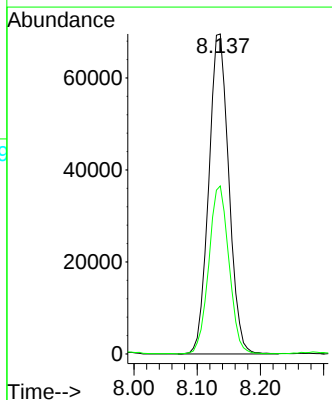
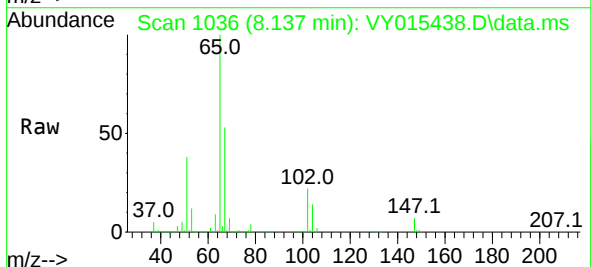
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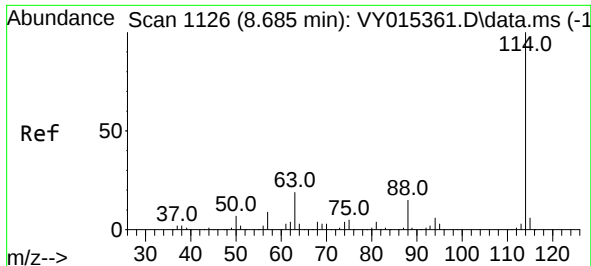
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023



#33
1,2-Dichloroethane-d4
Concen: 54.656 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

Tgt Ion: 65 Resp: 153283
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

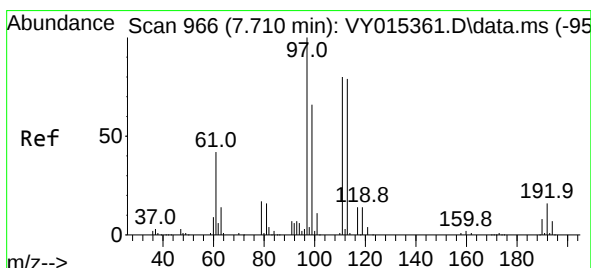
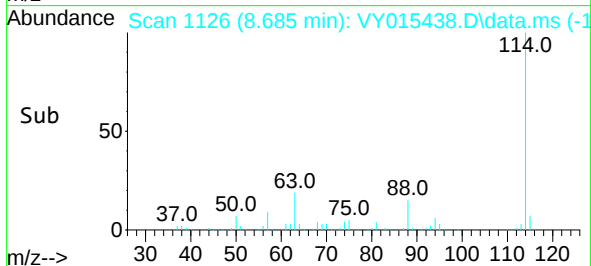
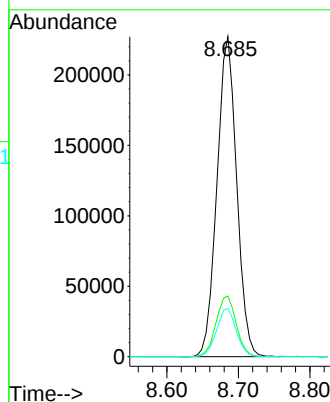
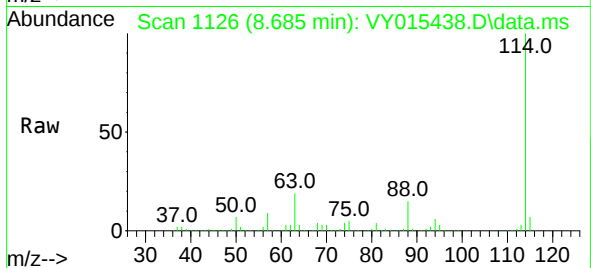
824-829

Tgt Ion:114	Resp: 43437
Ion Ratio	Lower Upper
114 100	
63 19.0	0.0 42.4
88 15.0	0.0 30.6

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#35

Dibromofluoromethane

Concen: 53.136 ug/l

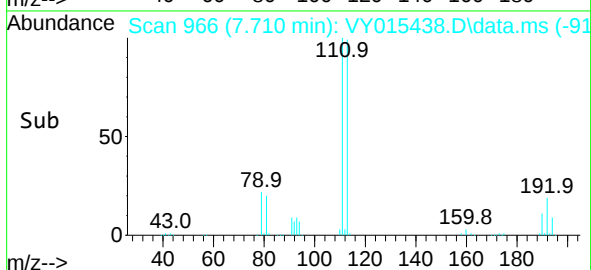
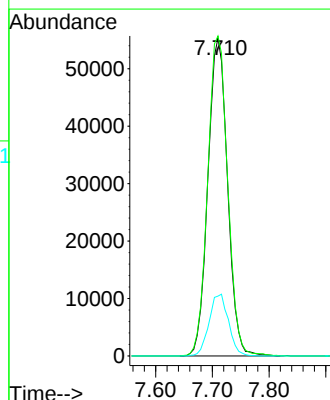
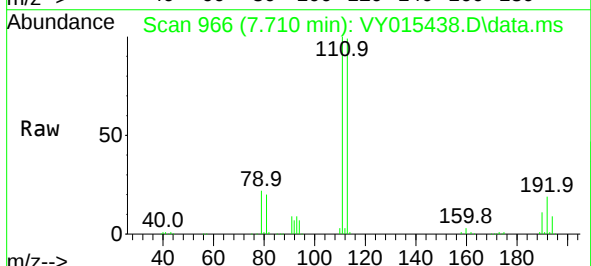
RT: 7.710 min Scan# 966

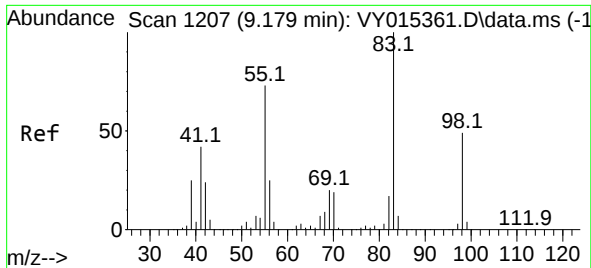
Delta R.T. -0.006 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Tgt Ion:113	Resp: 132942
Ion Ratio	Lower Upper
113 100	
111 102.7	81.3 121.9
192 19.3	16.9 25.3





#39

Methylcyclohexane

Concen: 2.206 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

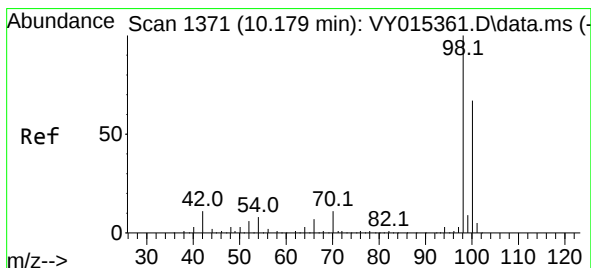
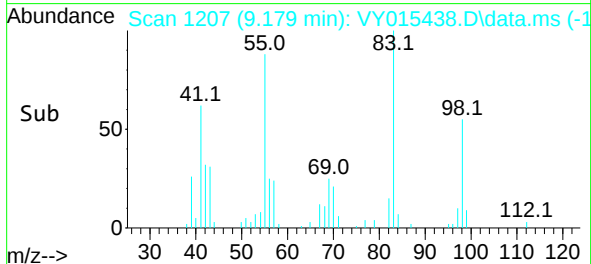
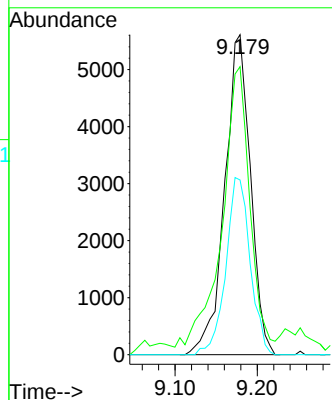
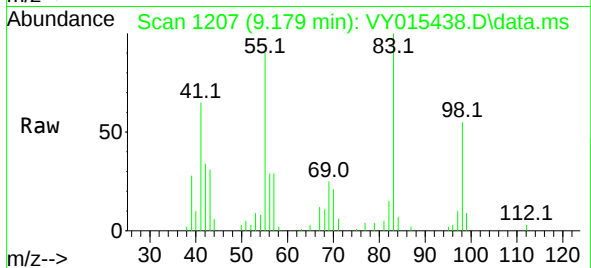
824-829

Tgt Ion: 83	Resp: 1219
Ion Ratio	Lower Upper
83 100	
55 84.7	63.0 94.4
98 54.6	37.4 56.2

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#50

Toluene-d8

Concen: 55.674 ug/l

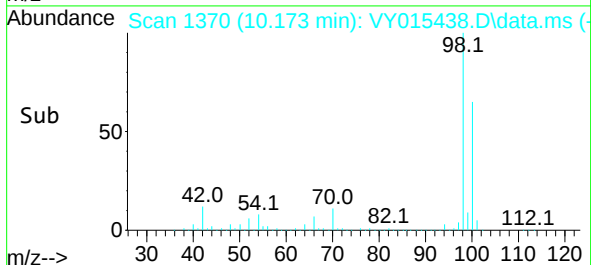
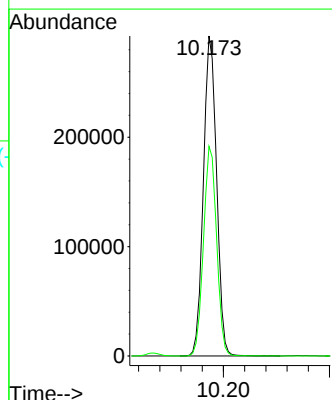
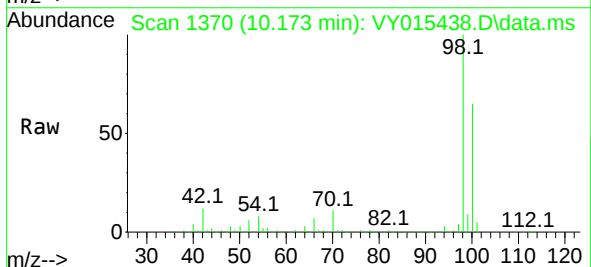
RT: 10.173 min Scan# 1370

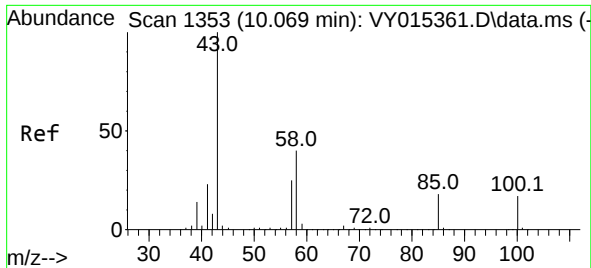
Delta R.T. -0.006 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Tgt Ion: 98	Resp: 504428
Ion Ratio	Lower Upper
98 100	
100 65.4	50.1 75.1





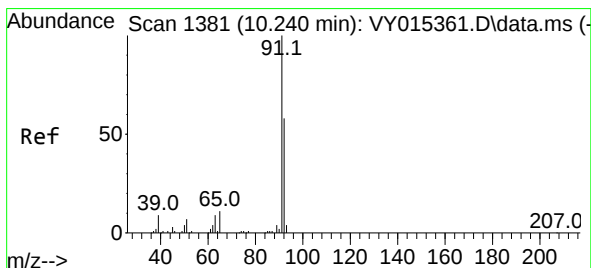
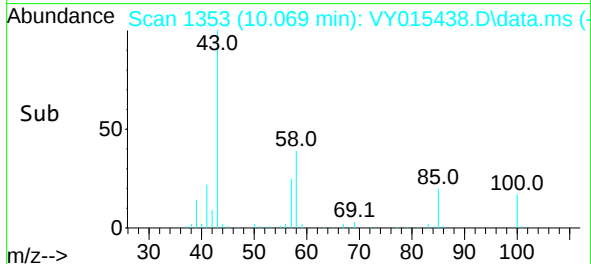
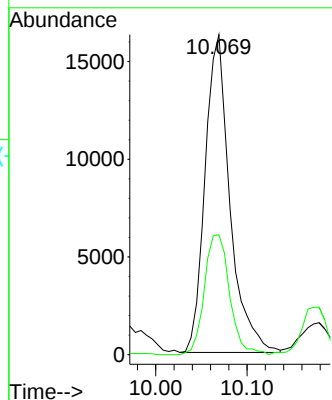
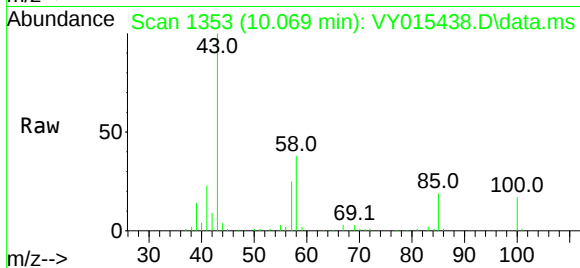
#51
4-Methyl-2-Pentanone
Concen: 9.014 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

Instrument :
MSVOA_Y
ClientSampleId :
824-829

Tgt Ion: 43 Resp: 30690
Ion Ratio Lower Upper
43 100
58 38.2 29.0 43.6

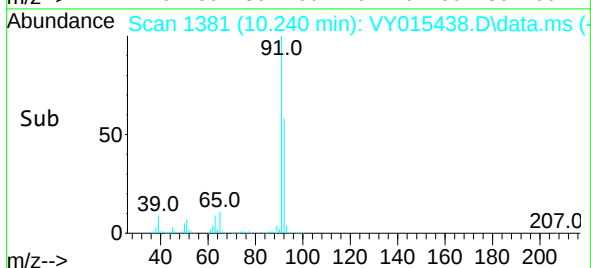
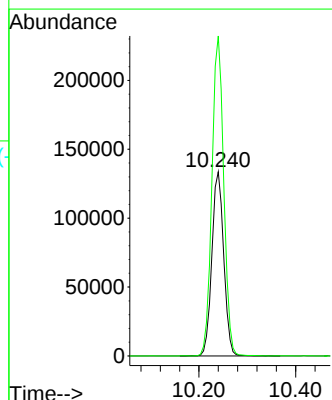
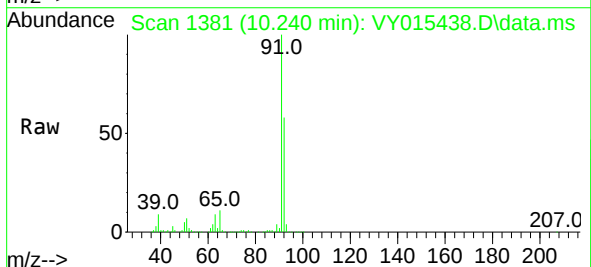
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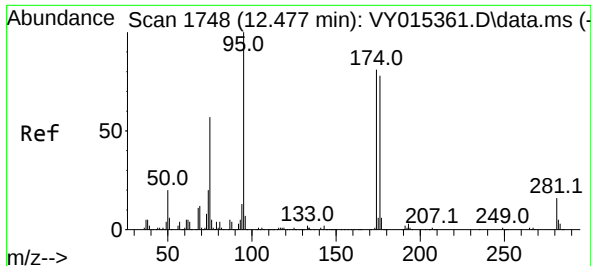
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023



#52
Toluene
Concen: 28.887 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

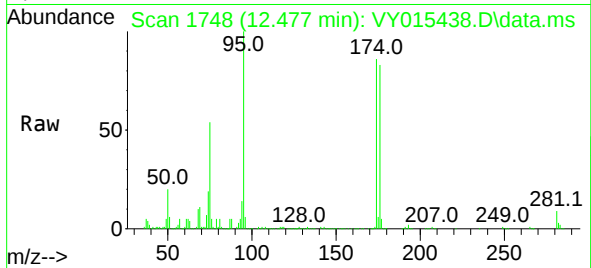
Tgt Ion: 92 Resp: 226933
Ion Ratio Lower Upper
92 100
91 173.4 143.8 215.6





#62
4-Bromofluorobenzene
Concen: 46.442 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

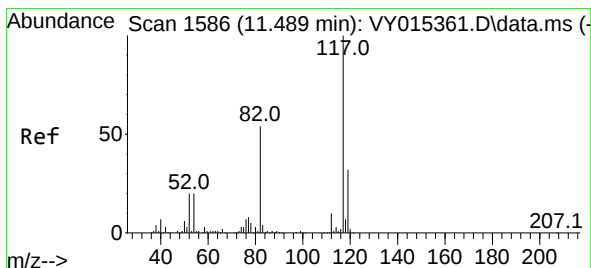
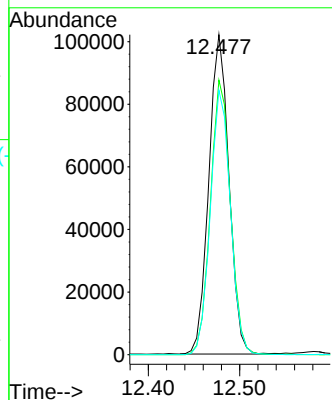
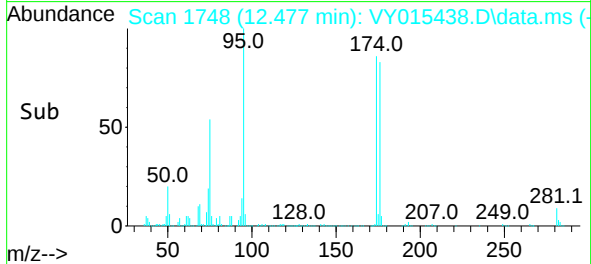
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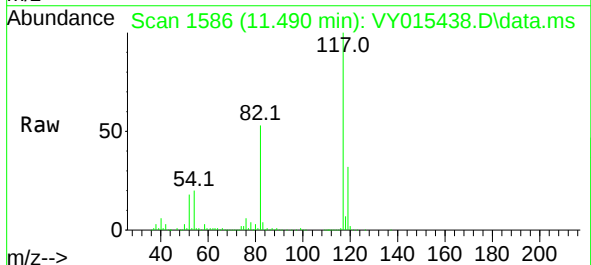
Tgt Ion: 95 Resp: 156210
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.5 0.0 173.8

Manual Integrations
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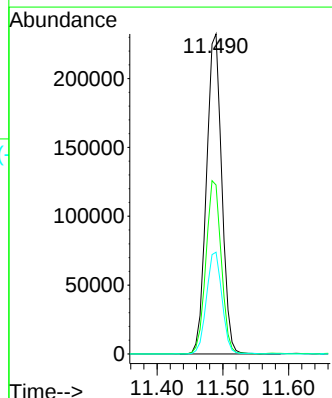
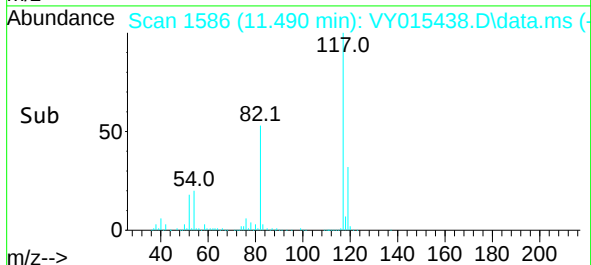
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023

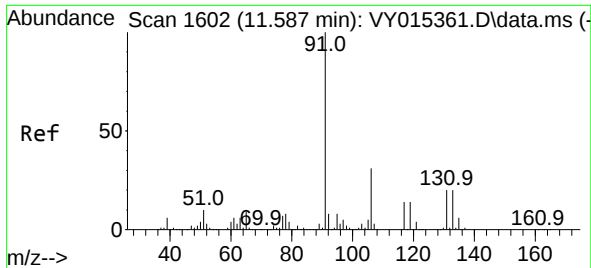


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15



Tgt Ion:117 Resp: 375667
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.8 26.3 39.5





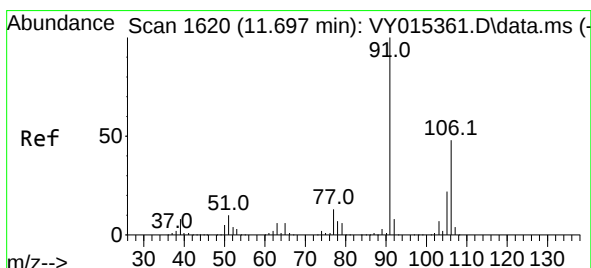
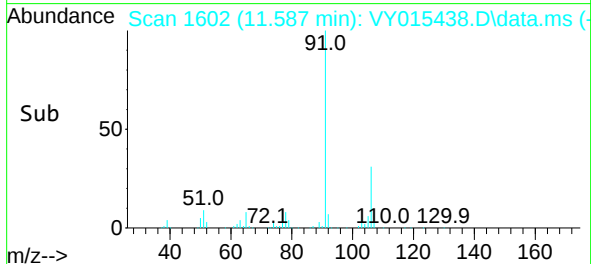
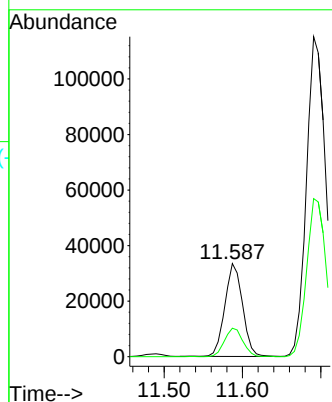
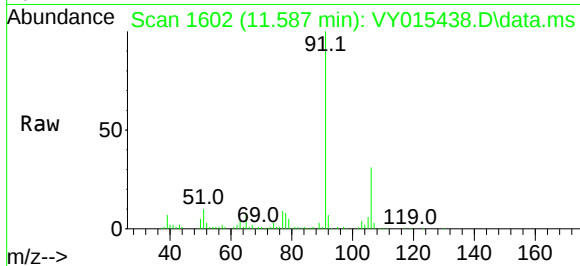
#67
Ethyl Benzene
Concen: 3.620 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

Instrument :
MSVOA_Y
ClientSampleId :
824-829

Tgt Ion: 91 Resp: 52618
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

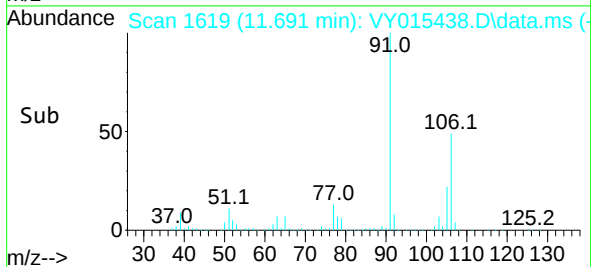
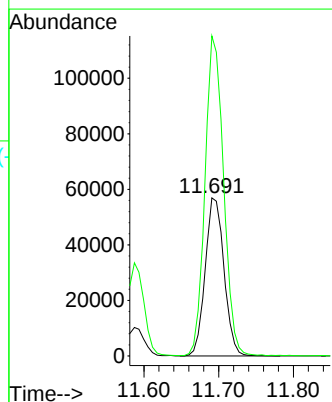
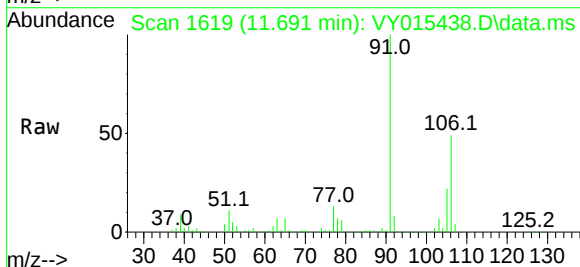
Manual Integrations
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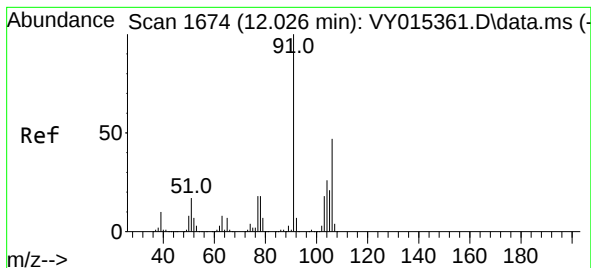
Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023



#68
m/p-Xylenes
Concen: 17.655 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.012 min
Lab File: VY015438.D
Acq: 05 Sep 2023 18:15

Tgt Ion:106 Resp: 99473
Ion Ratio Lower Upper
106 100
91 199.8 166.1 249.1





#69

o-Xylene

Concen: 11.019 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

824-829

Tgt Ion:106 Resp: 59330

Ion Ratio Lower Upper

106 100

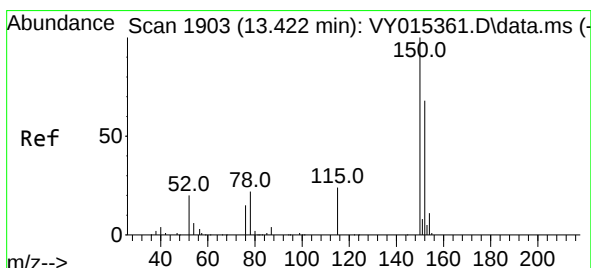
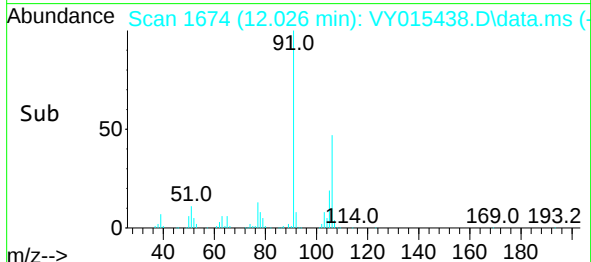
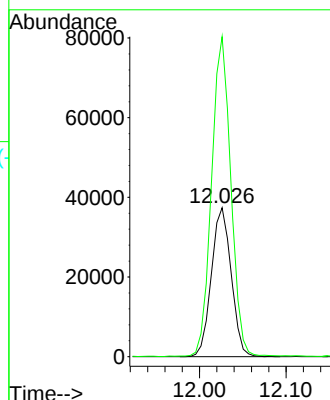
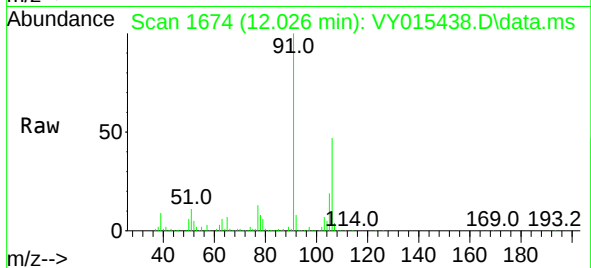
91 209.2 108.1 324.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/06/2023

Supervised By :Semsettin Yesilyurt 09/06/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

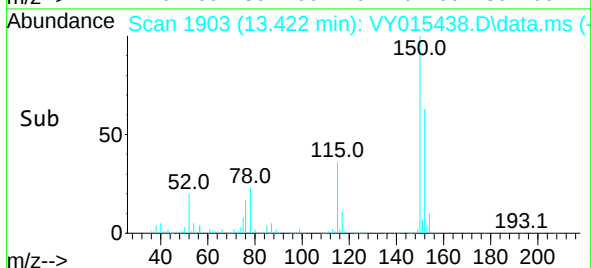
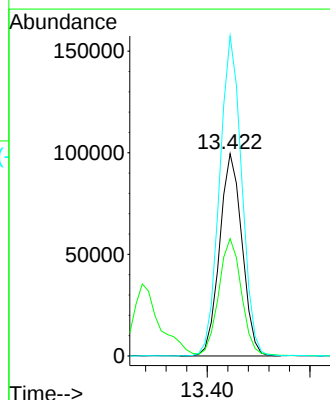
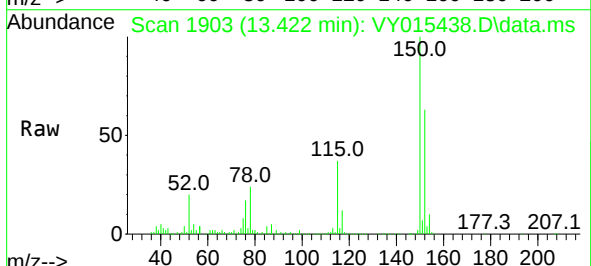
Tgt Ion:152 Resp: 150674

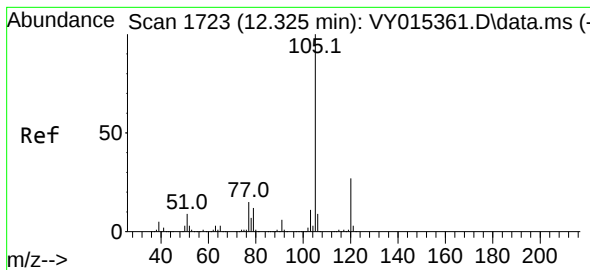
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.2 0.0 348.8





#73

Isopropylbenzene

Concen: 1.665 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

824-829

Tgt Ion:105 Resp: 1884

Ion Ratio Lower Upper

105 100

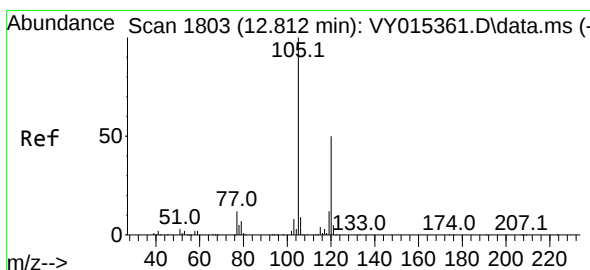
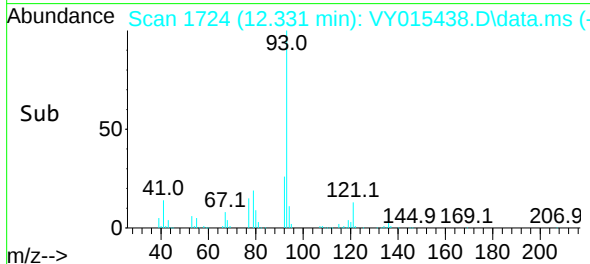
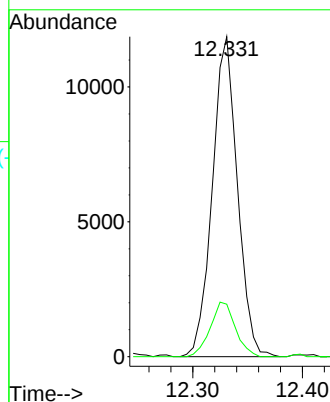
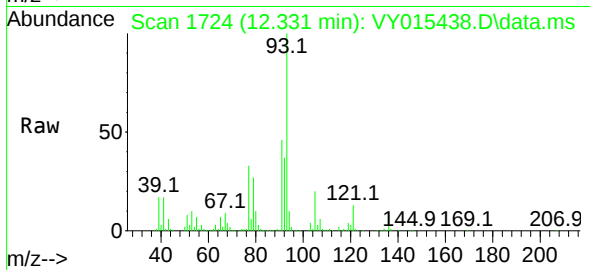
120 17.1 13.3 39.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/06/2023

Supervised By :Semsettin Yesilyurt 09/06/2023



#80

1,3,5-Trimethylbenzene

Concen: 2.634 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015438.D

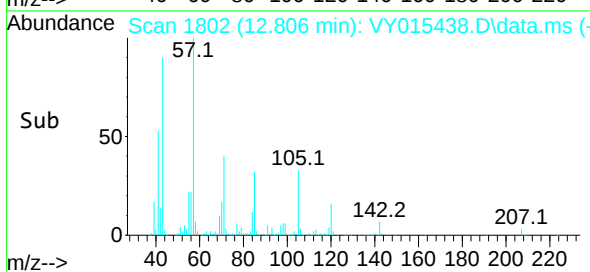
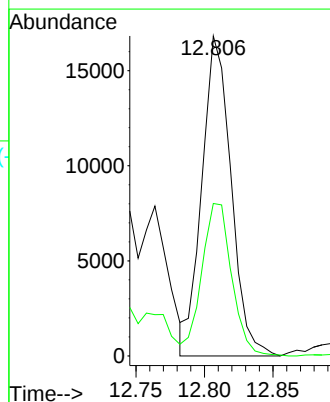
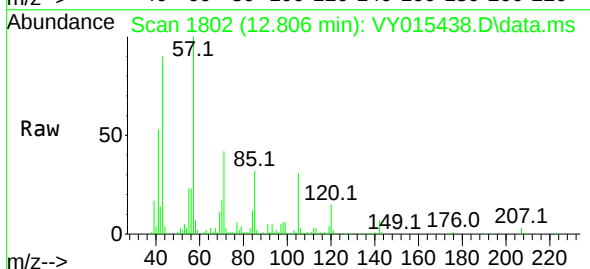
Acq: 05 Sep 2023 18:15

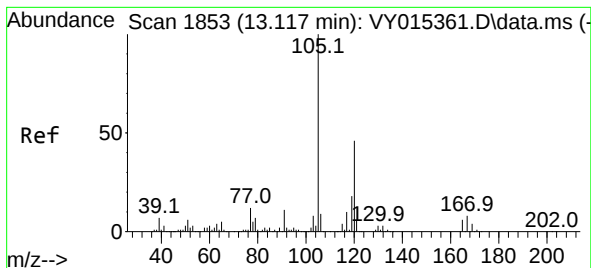
Tgt Ion:105 Resp: 24934

Ion Ratio Lower Upper

105 100

120 49.0 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 6.884 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

824-829

Tgt Ion:105 Resp: 64700

Ion Ratio Lower Upper

105 100

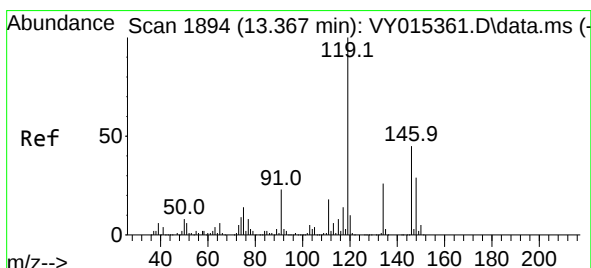
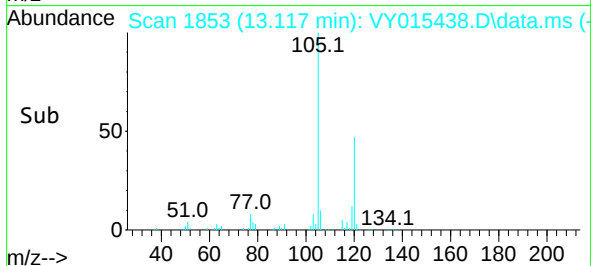
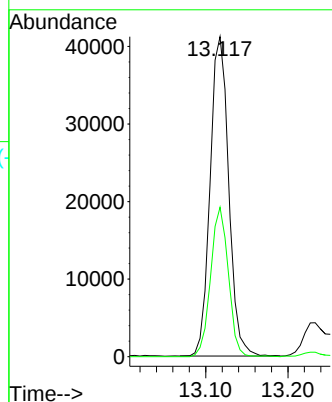
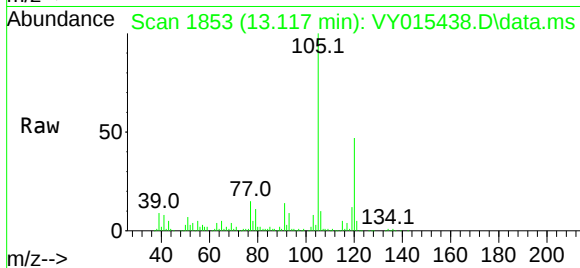
120 44.6 22.2 66.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/06/2023

Supervised By :Semsettin Yesilyurt 09/06/2023



#86

p-Isopropyltoluene

Concen: 16.286 ug/l m

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

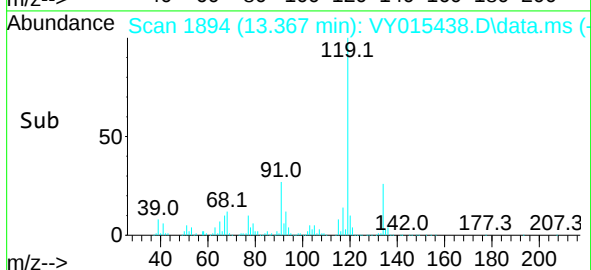
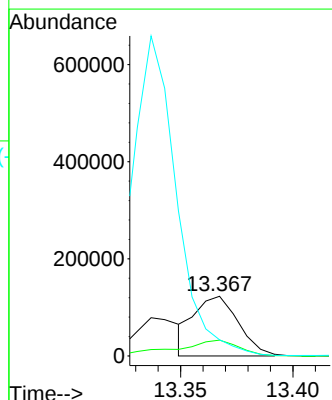
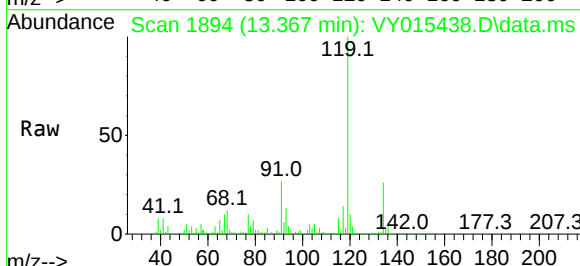
Tgt Ion:119 Resp: 168804

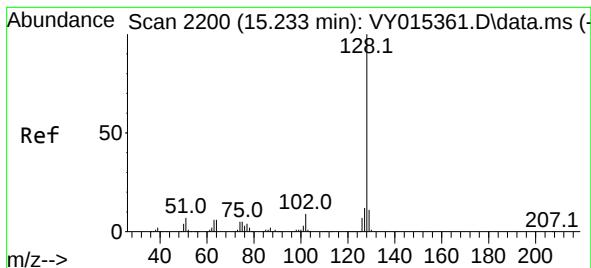
Ion Ratio Lower Upper

119 100

134 38.8 13.3 39.8

91 0.0 12.4 37.4#





#95

Naphthalene

Concen: 2.329 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY015438.D

Acq: 05 Sep 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

824-829

Tgt Ion:128 Resp: 17499

Ion Ratio Lower Upper

128 100

127 31.4 10.8 16.2

129 15.7 8.6 13.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/06/2023
Supervised By :Semsettin Yesilyurt 09/06/2023

