

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016177.D
 Acq On : 01 Nov 2023 18:34
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLK

Quant Time: Nov 02 02:31:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/02/2023
 Supervised By :Semsettin Yesilyurt 11/02/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	145664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	235816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	225279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	113094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	74381	54.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.140%			
35) Dibromofluoromethane	7.728	113	64643	45.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.960%			
50) Toluene-d8	10.191	98	274979	49.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.489	95	104338	54.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.480%			
Target Compounds						Qvalue
20) Methylene Chloride	4.722	84	14144	7.621	ug/l	84
30) Chloroform	7.514	83	7199	2.771	ug/l	94
31) Cyclohexane	7.795	56	13603m	6.492	ug/l	
39) Methylcyclohexane	9.191	83	2824m	1.165	ug/l	
40) Benzene	8.173	78	133022	22.824	ug/l	100
42) 1,2-Dichloroethane	8.246	62	235091	144.545	ug/l	93
47) Bromodichloromethane	9.514	83	3177	1.572	ug/l	96
52) Toluene	10.252	92	560909	148.523	ug/l	94
65) Chlorobenzene	11.526	112	8301	1.855	ug/l	98
67) Ethyl Benzene	11.599	91	199701	24.946	ug/l	100
68) m/p-Xylenes	11.709	106	303543	98.125	ug/l	94
69) o-Xylene	12.038	106	67508	22.857	ug/l	99
73) Isopropylbenzene	12.337	105	12853	1.515	ug/l	93
78) n-propylbenzene	12.678	91	31597	3.150	ug/l	95
80) 1,3,5-Trimethylbenzene	12.818	105	30018	4.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	123485	18.157	ug/l	98
89) n-Butylbenzene	13.702	91	9325	1.357	ug/l #	70
91) 1,2-Dichlorobenzene	13.745	146	14476	4.410	ug/l	96
95) Naphthalene	15.245	128	144826	36.797	ug/l	98

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

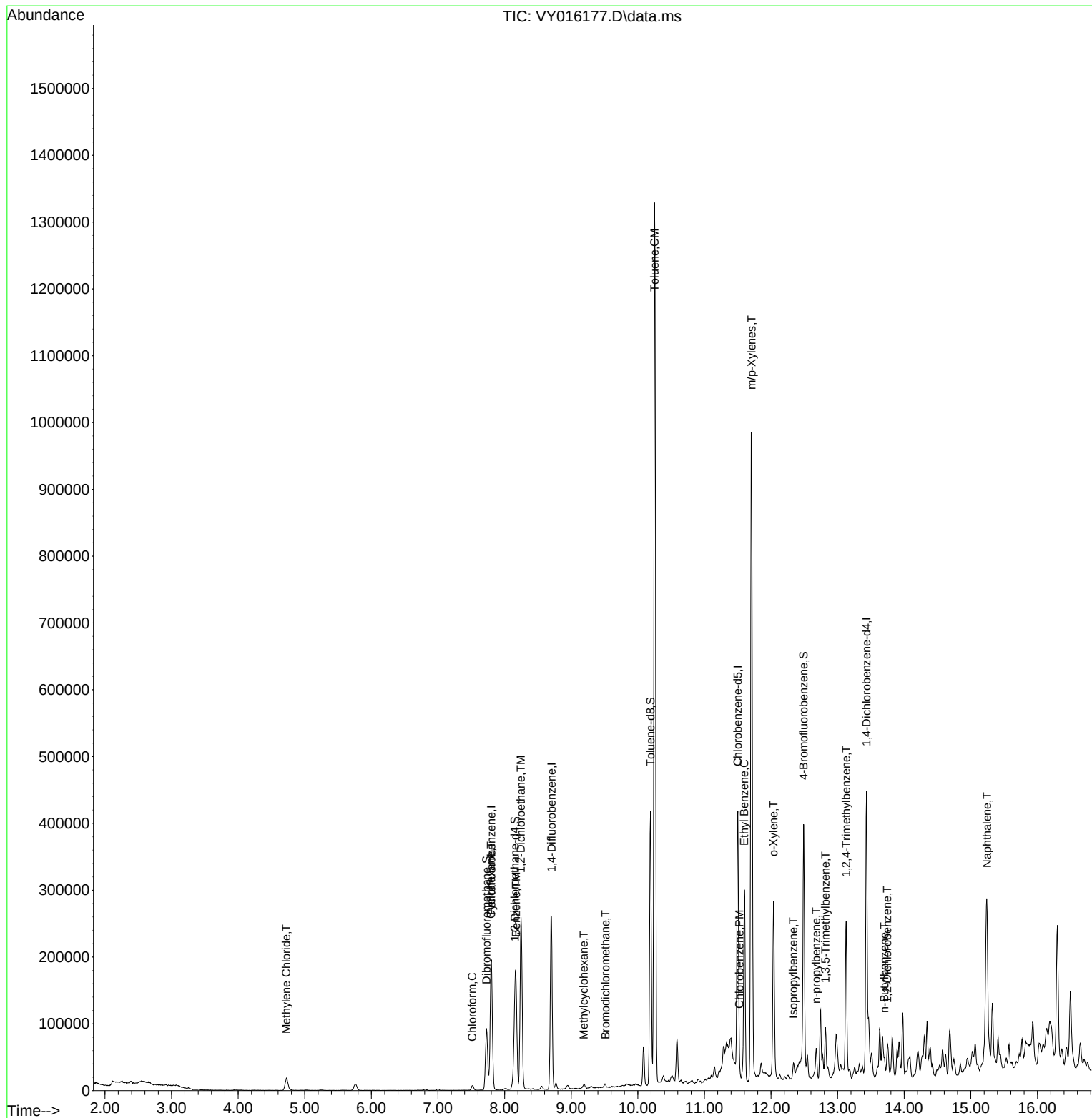
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
Data File : VY016177.D
Acq On : 01 Nov 2023 18:34
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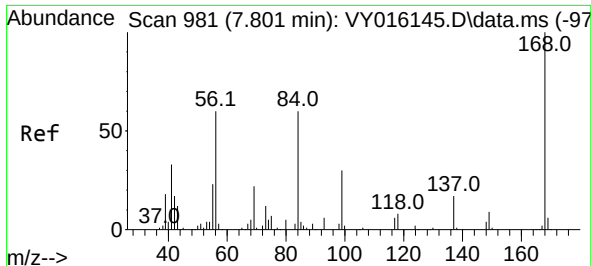
Instrument :
MSVOA_Y
ClientSampleId :
BLK

Quant Time: Nov 02 02:31:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

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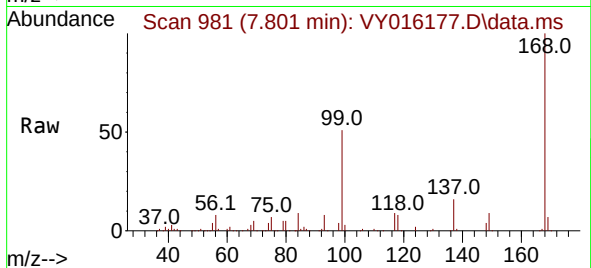
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

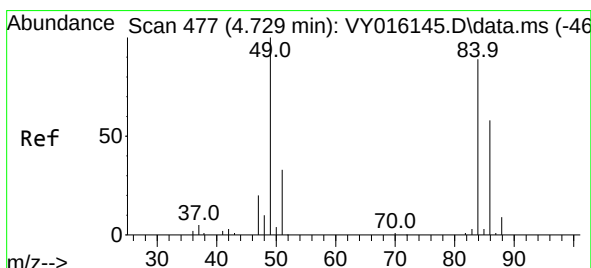
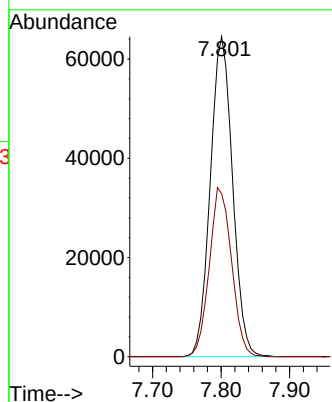
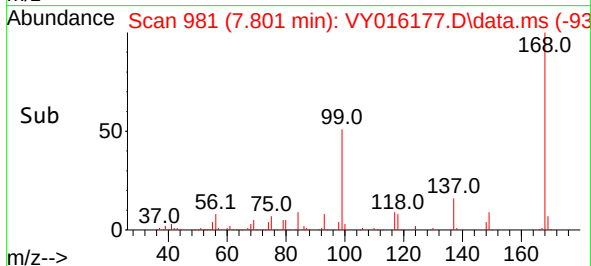
Instrument :
MSVOA_Y
ClientSampleId :
BLK



Tgt Ion:168 Resp: 145664
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0

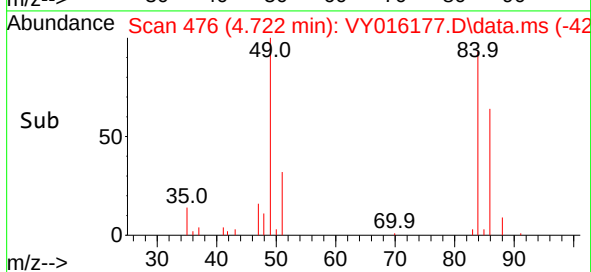
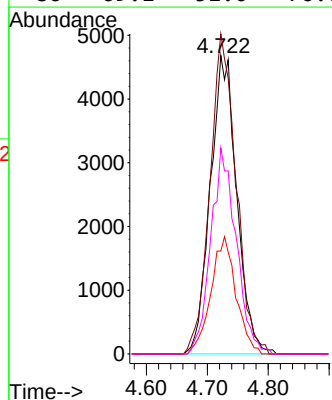
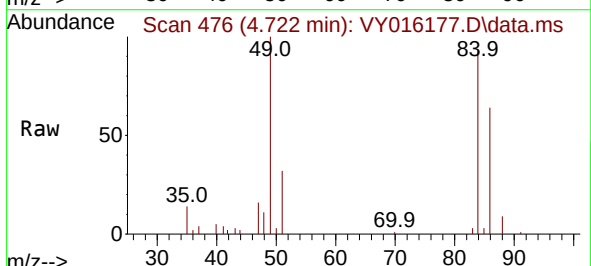
Manual Integrations
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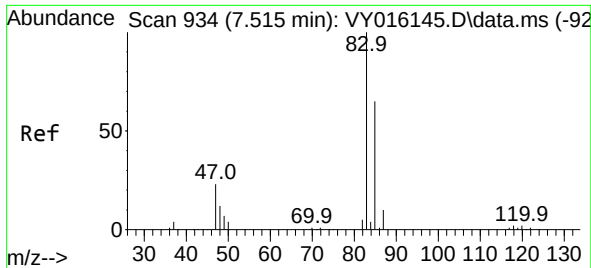
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#20
Methylene Chloride
Concen: 7.621 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

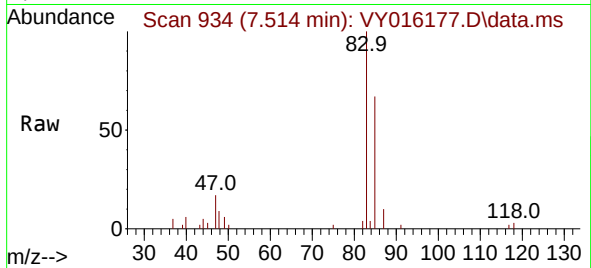
Tgt Ion: 84 Resp: 14144
Ion Ratio Lower Upper
84 100
49 107.2 106.9 160.3
51 34.5 33.2 49.8
86 69.1 51.0 76.6





#30
Chloroform
Concen: 2.771 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

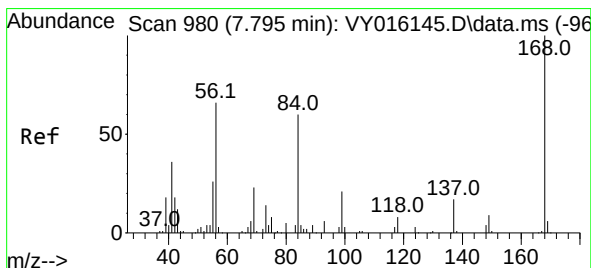
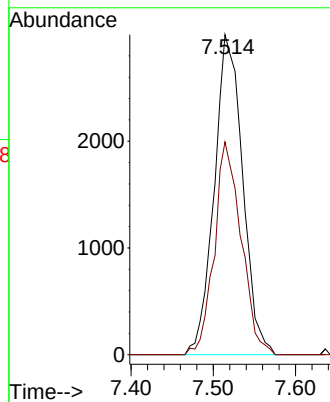
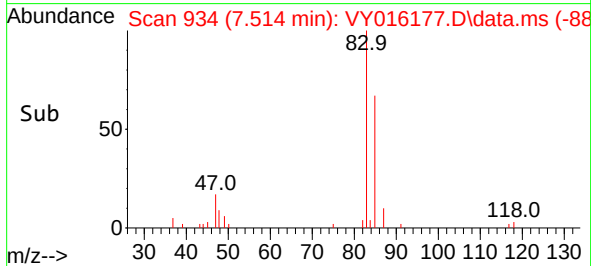
Instrument :
MSVOA_Y
ClientSampleId :
BLK



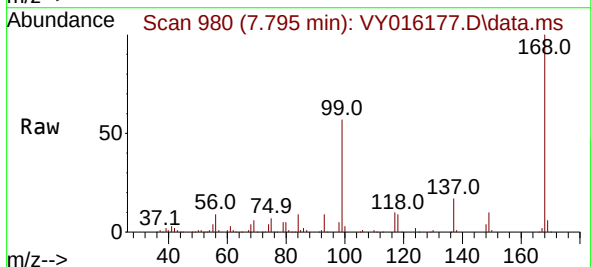
Tgt Ion: 83 Resp: 7199
Ion Ratio Lower Upper
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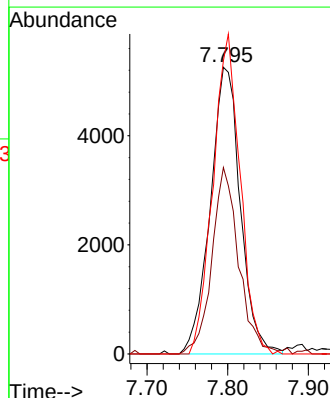
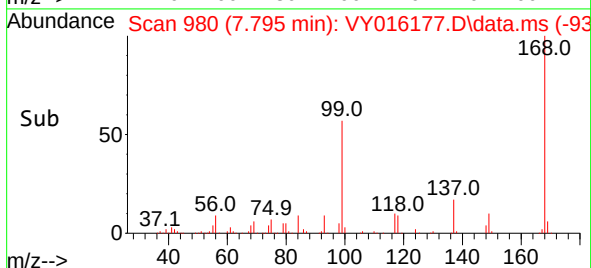
Reviewed By :Mahesh Dadoda 11/02/2023
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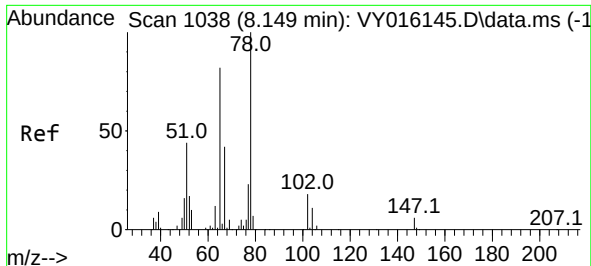


#31
Cyclohexane
Concen: 6.492 ug/l m
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34



Tgt Ion: 56 Resp: 13603
Ion Ratio Lower Upper
56 100
69 65.0 27.8 41.6#
84 102.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.570 ug/l

RT: 8.154 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

BLK

Tgt Ion: 65 Resp: 7438

Ion Ratio Lower Upper

65 100

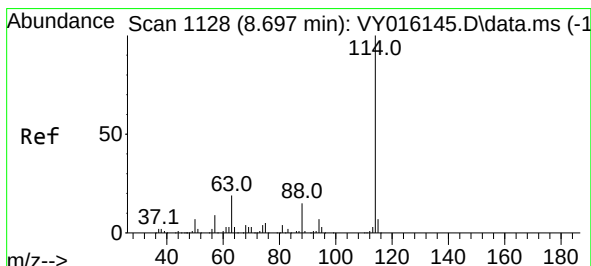
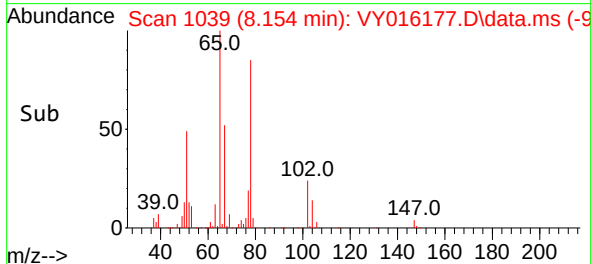
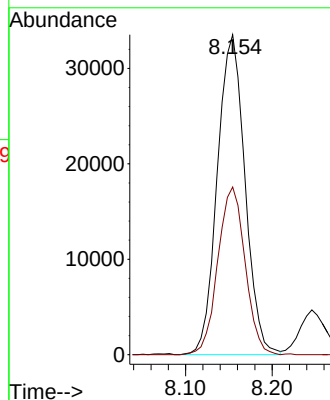
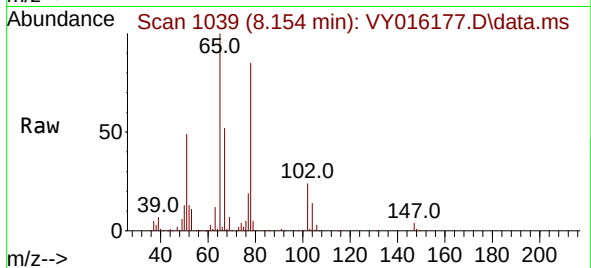
67 51.6 0.0 101.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 11/02/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

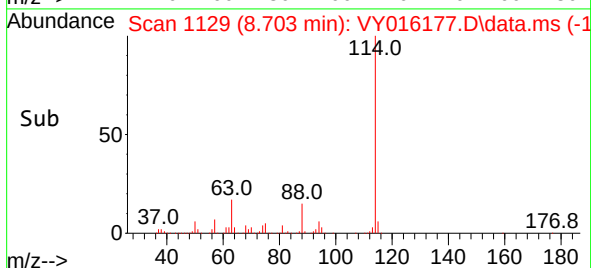
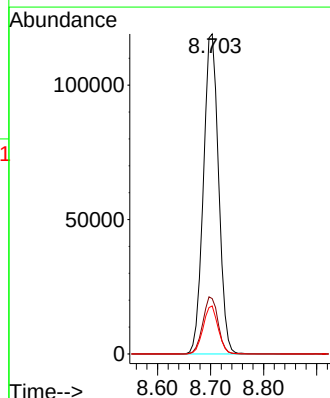
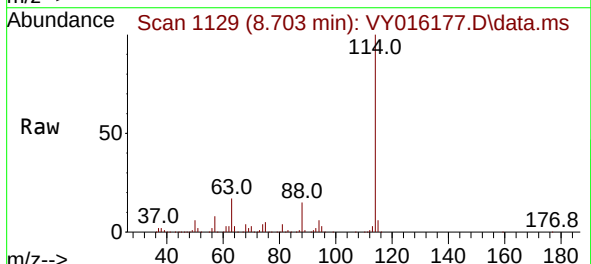
Tgt Ion:114 Resp: 235816

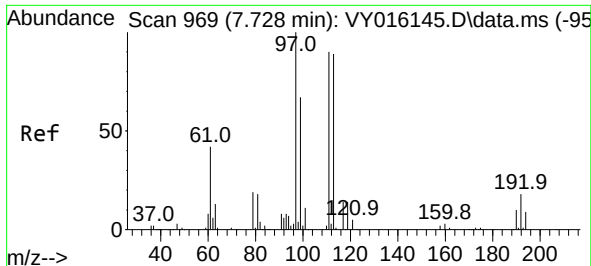
Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.4

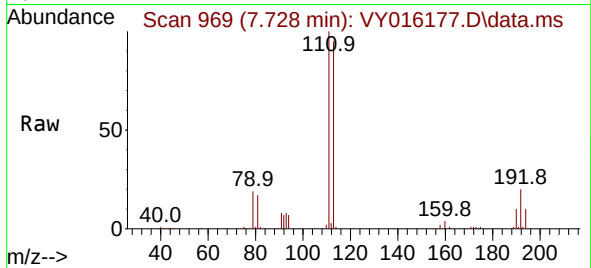
88 15.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 45.981 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

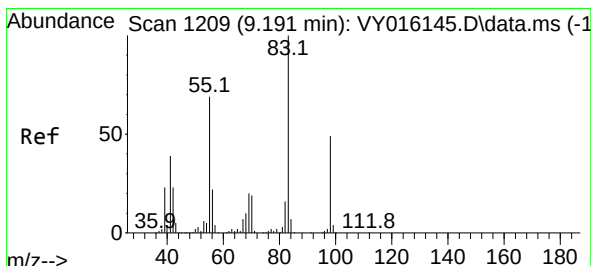
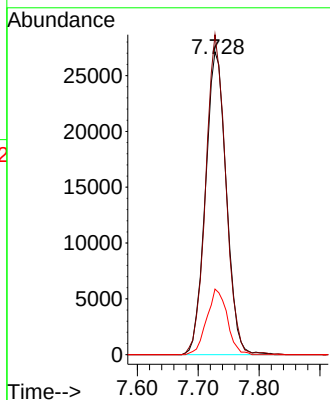
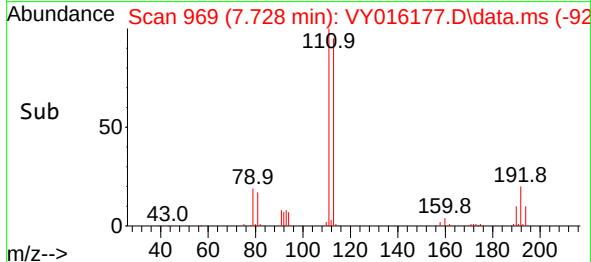
Instrument :
MSVOA_Y
ClientSampleId :
BLK



Tgt Ion: 113 Resp: 6464
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 21.2 16.9 25.3

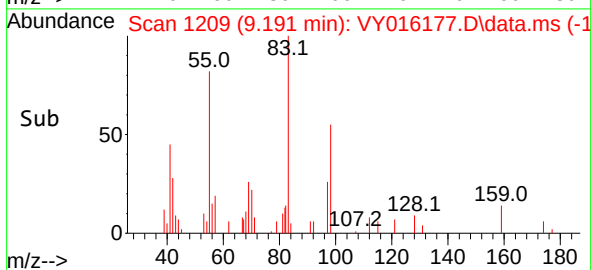
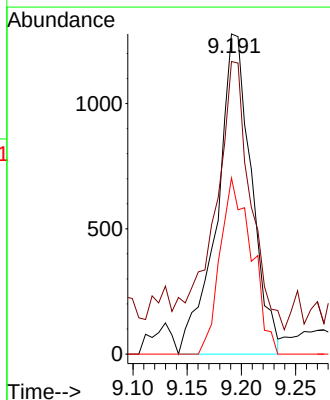
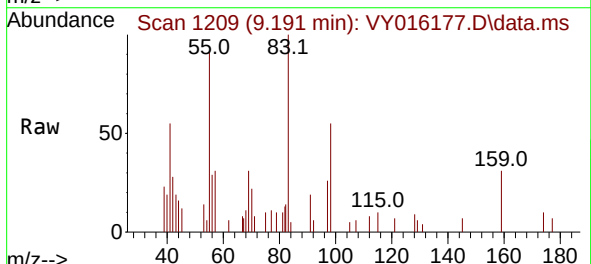
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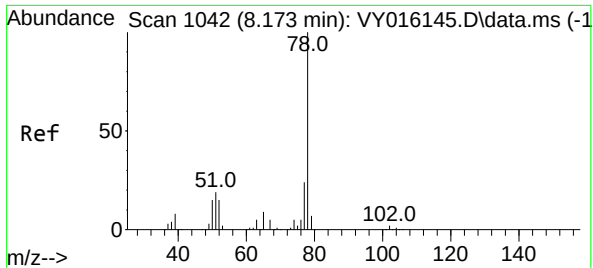
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#39
Methylcyclohexane
Concen: 1.165 ug/l m
RT: 9.191 min Scan# 1209
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion: 83 Resp: 2824
Ion Ratio Lower Upper
83 100
55 91.4 63.0 94.4
98 55.0 37.4 56.2





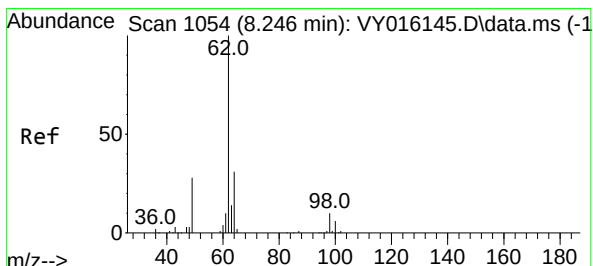
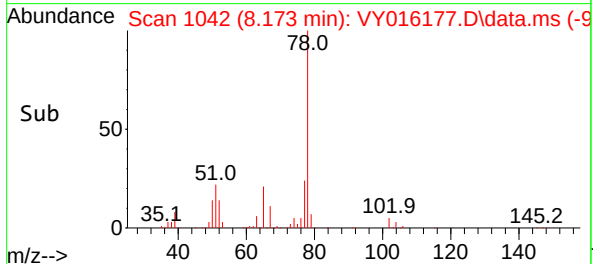
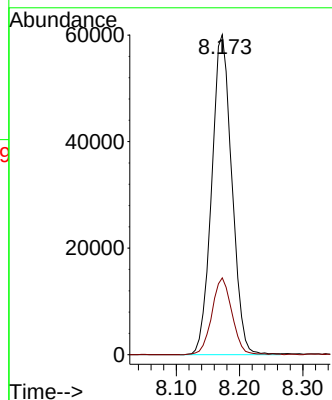
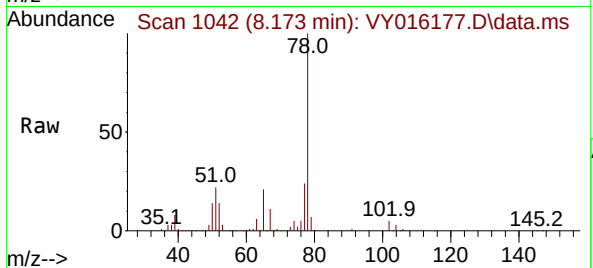
#40
Benzene
Concen: 22.824 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion: 78 Resp: 133021
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

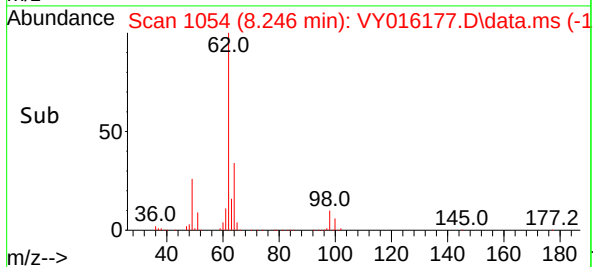
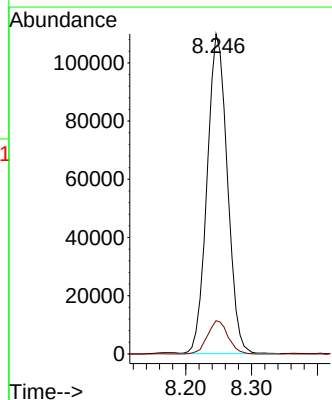
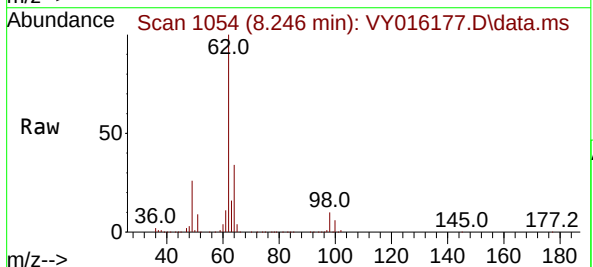
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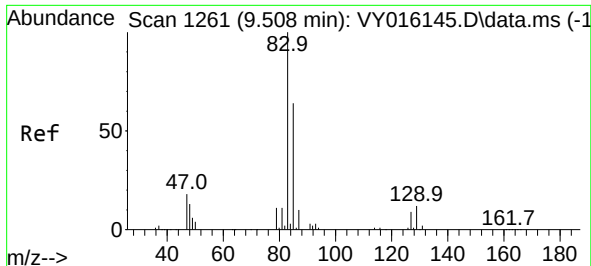
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#42
1,2-Dichloroethane
Concen: 144.545 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion: 62 Resp: 235091
Ion Ratio Lower Upper
62 100
98 10.5 0.0 15.8





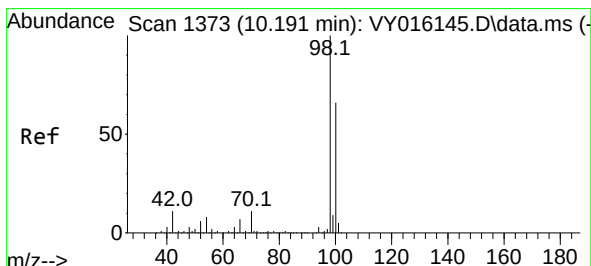
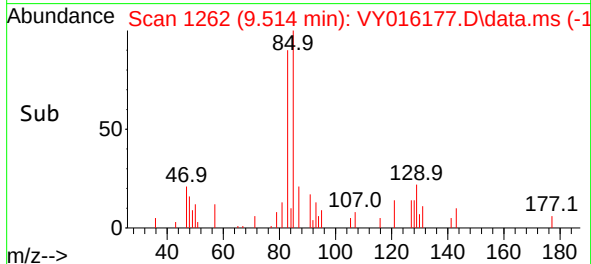
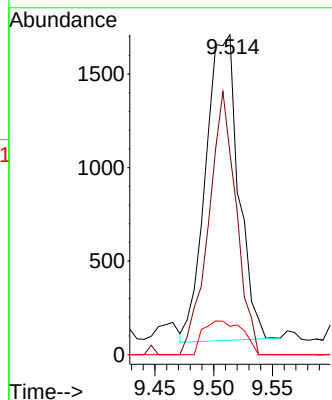
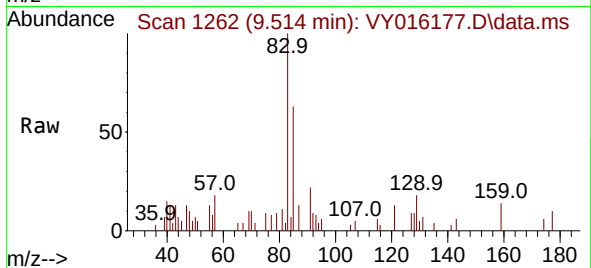
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Bromodichloromethane
Concen: 1.572 ug/l
RT: 9.514 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion: 83 Resp: 317
Ion Ratio Lower Upper
83 100
85 66.4 50.1 75.1
127 9.4 7.1 10.7

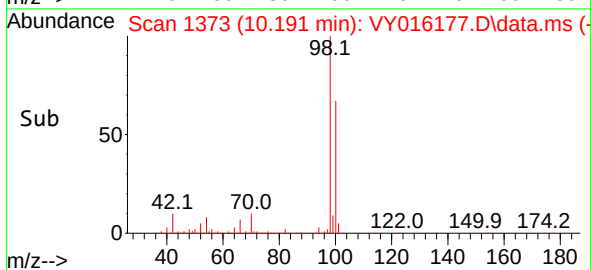
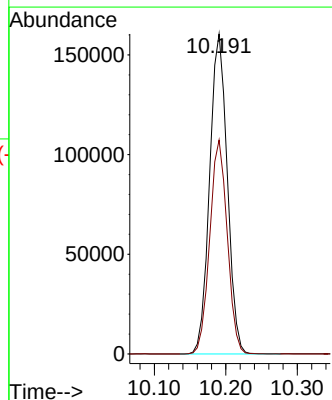
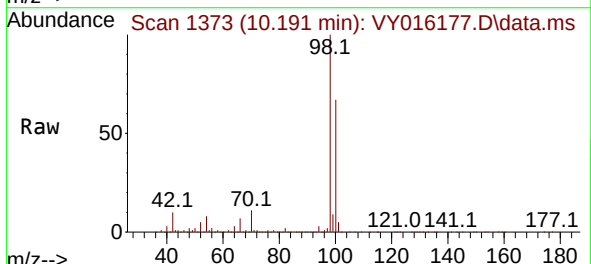
Manual Integrations
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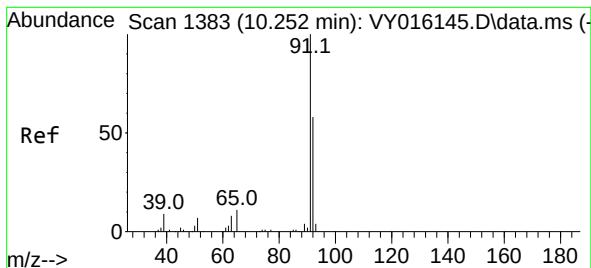
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#50
Toluene-d8
Concen: 49.333 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion: 98 Resp: 274979
Ion Ratio Lower Upper
98 100
100 66.3 50.1 75.1





#52

Toluene

Concen: 148.523 ug/l

RT: 10.252 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

BLK

Tgt Ion: 92 Resp: 560909

Ion Ratio Lower Upper

92 100

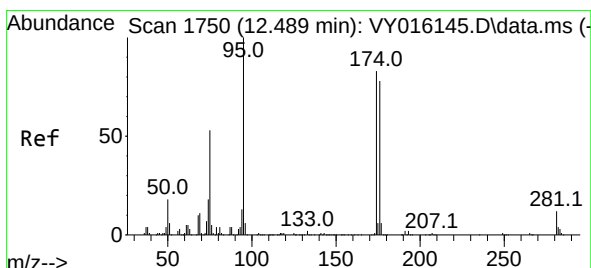
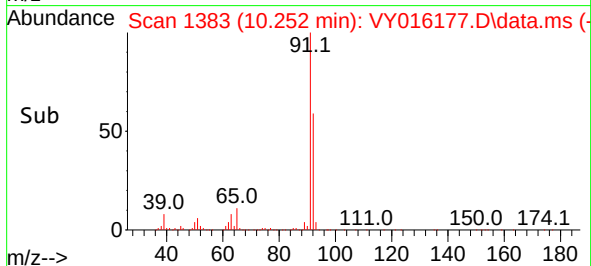
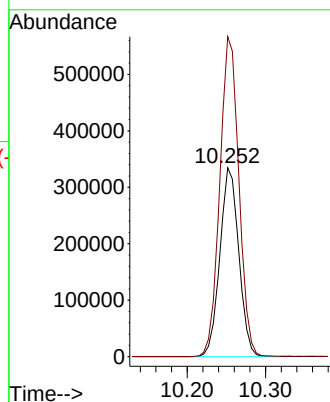
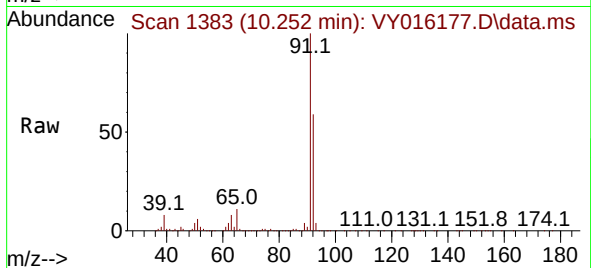
91 171.0 143.8 215.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/02/2023

Supervised By :Semsettin Yesilyurt 11/02/2023



#62

4-Bromofluorobenzene

Concen: 54.742 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

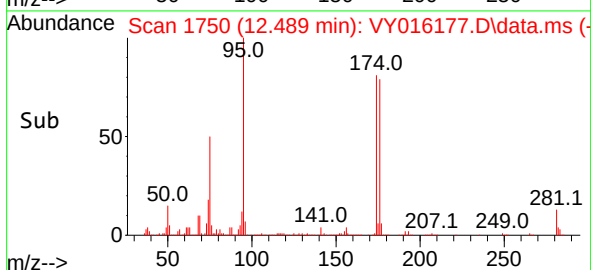
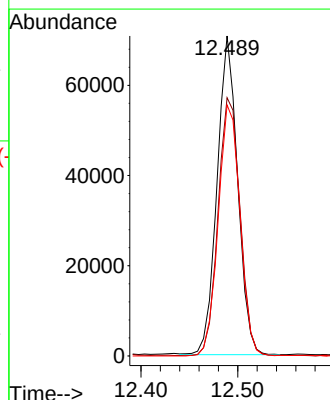
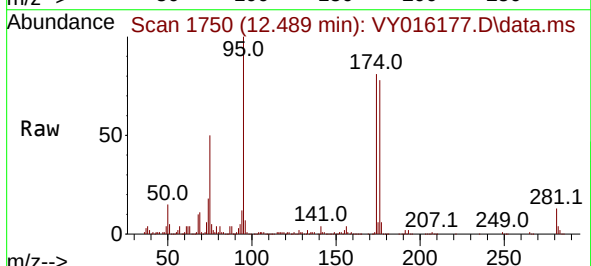
Tgt Ion: 95 Resp: 104338

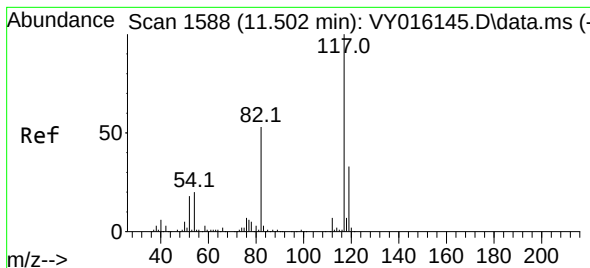
Ion Ratio Lower Upper

95 100

174 86.2 0.0 178.2

176 83.5 0.0 173.8





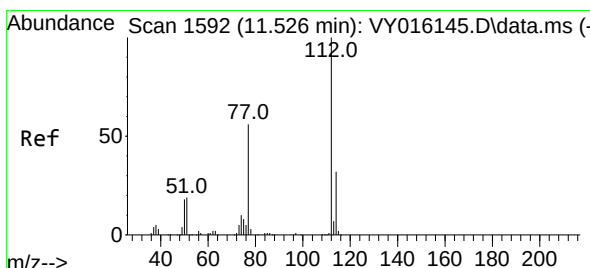
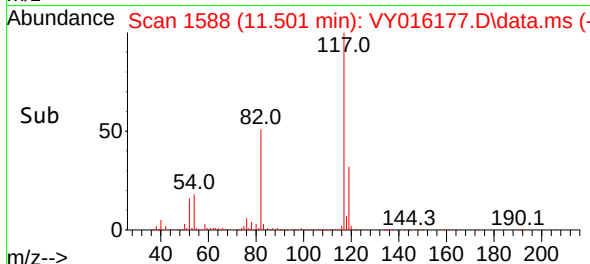
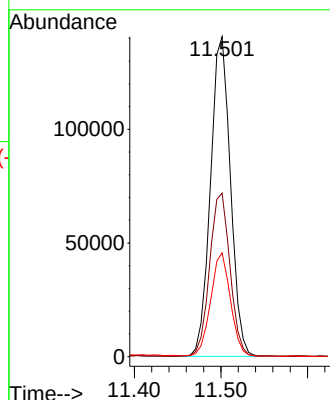
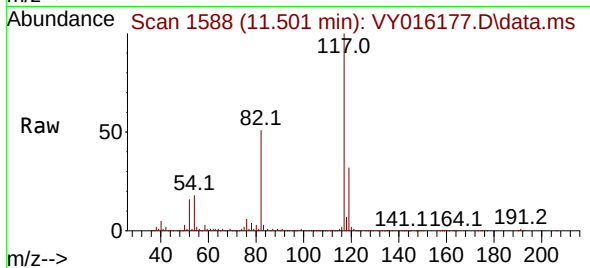
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion:117 Resp: 225279
Ion Ratio Lower Upper
117 100
82 51.0 43.4 65.0
119 32.4 26.3 39.5

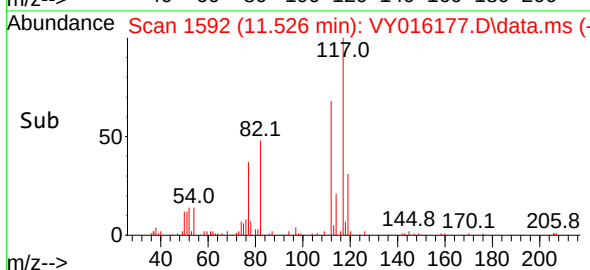
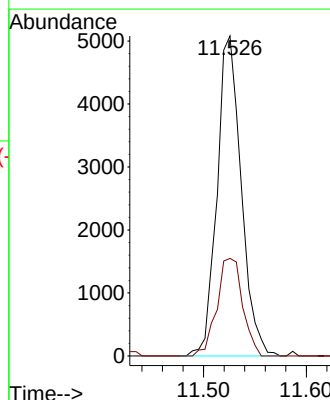
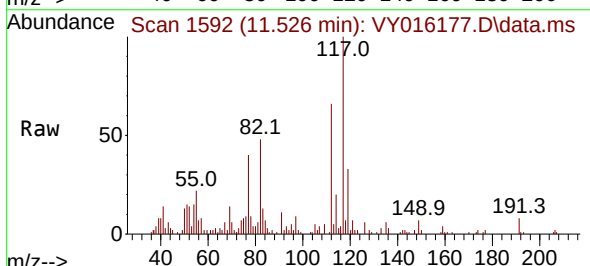
Manual Integrations
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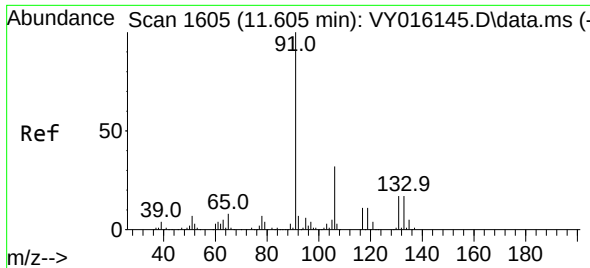
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#65
Chlorobenzene
Concen: 1.855 ug/l
RT: 11.526 min Scan# 1592
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion:112 Resp: 8301
Ion Ratio Lower Upper
112 100
114 30.5 25.5 38.3





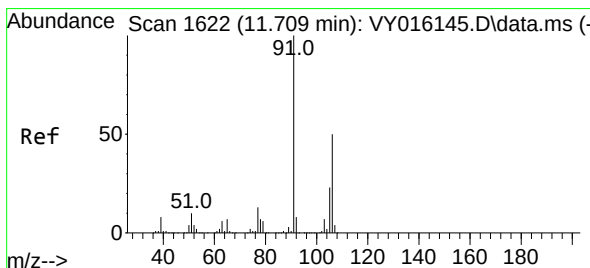
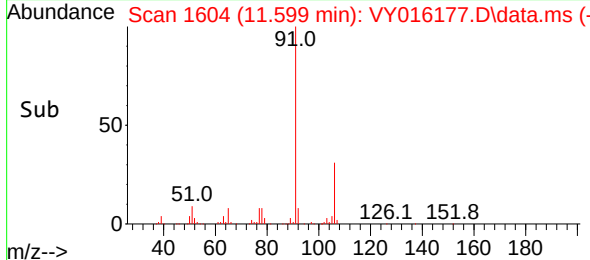
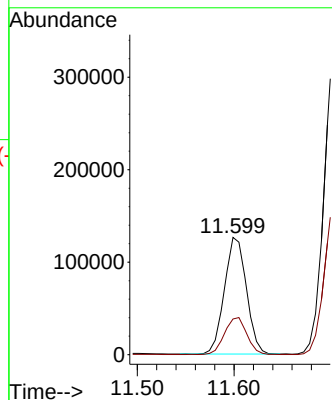
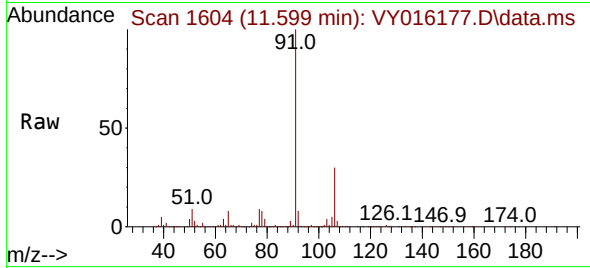
#67
Ethyl Benzene
Concen: 24.946 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion: 91 Resp: 19970
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8

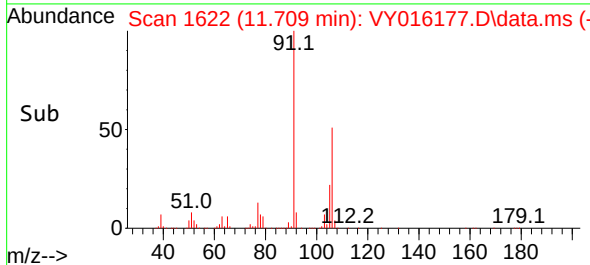
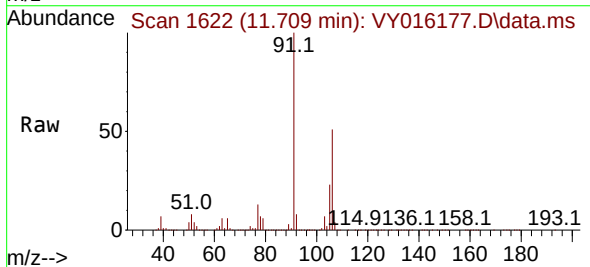
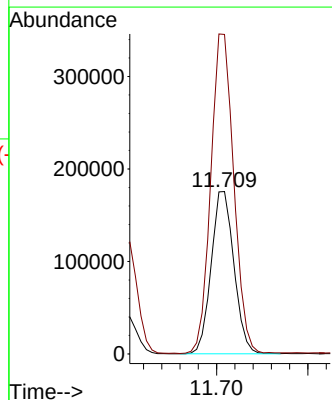
Manual Integrations
APPROVED

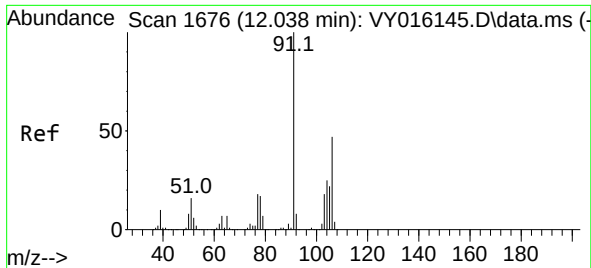
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#68
m/p-Xylenes
Concen: 98.125 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion:106 Resp: 303543
Ion Ratio Lower Upper
106 100
91 198.7 166.1 249.1





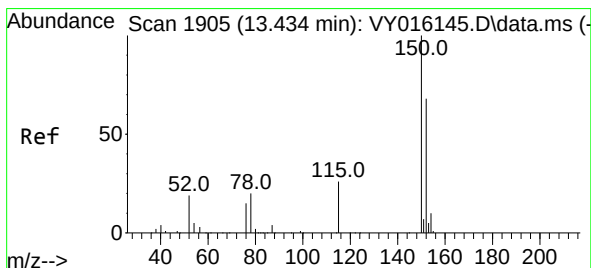
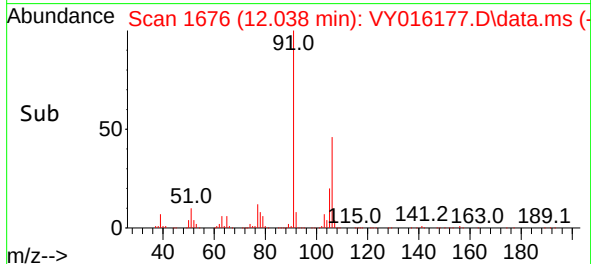
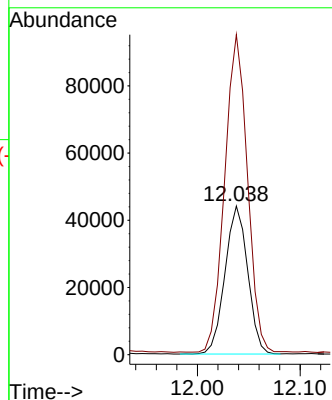
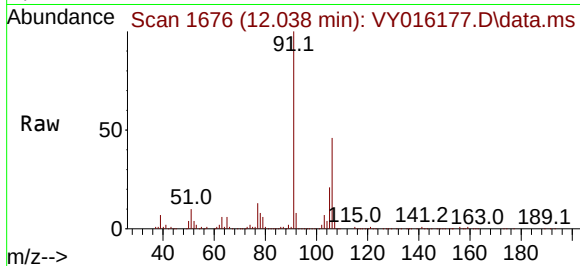
#69
o-Xylene
Concen: 22.857 ug/l
RT: 12.038 min Scan# 106
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion:106 Resp: 67508
Ion Ratio Lower Upper
106 100
91 214.6 108.1 324.3

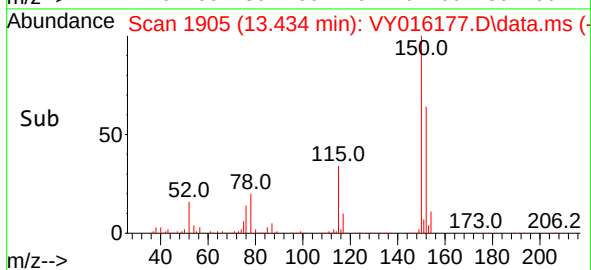
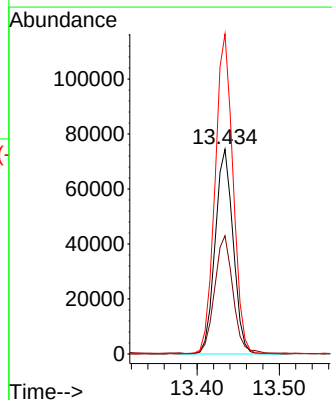
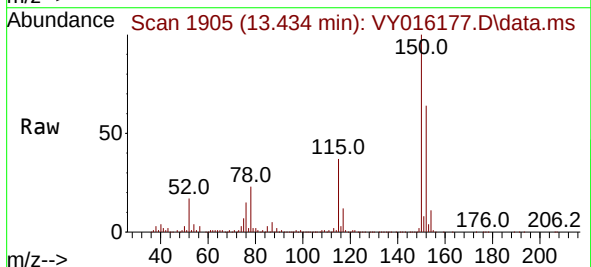
Manual Integrations
APPROVED

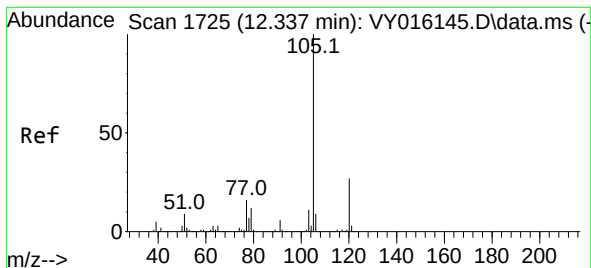
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Tgt Ion:152 Resp: 113094
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 156.2 0.0 348.8





#73

Isopropylbenzene

Concen: 1.515 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.000 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

BLK

Tgt Ion:105 Resp: 1285

Ion Ratio Lower Upper

105 100

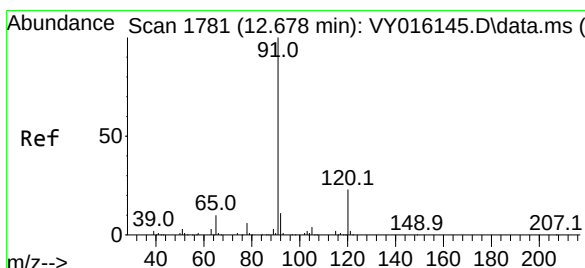
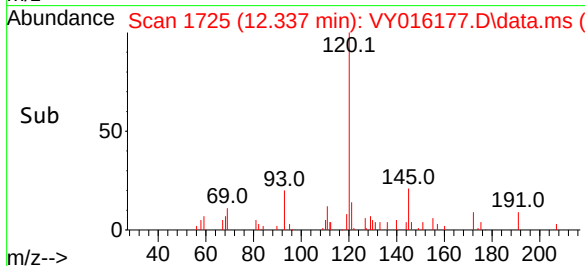
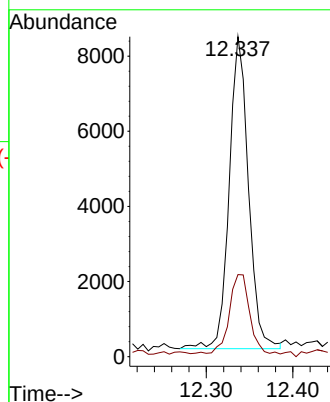
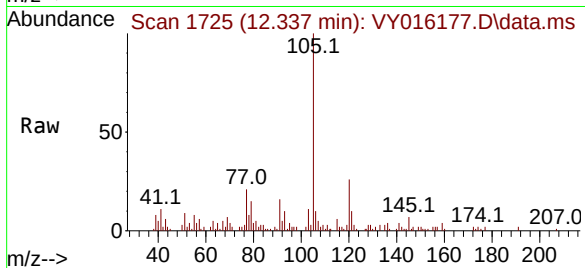
120 30.2 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2023

Supervised By :Semsettin Yesilyurt 11/02/2023



#78

n-propylbenzene

Concen: 3.150 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016177.D

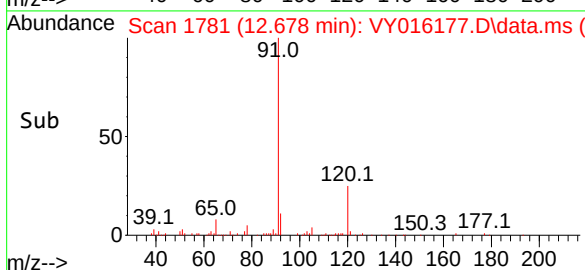
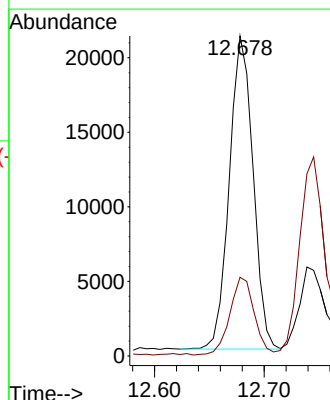
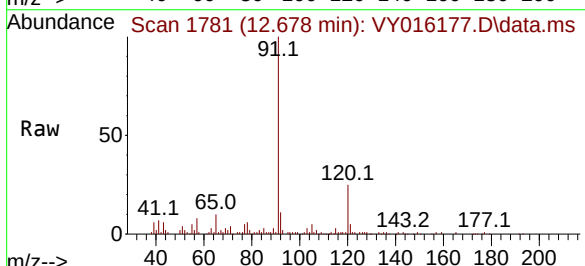
Acq: 01 Nov 2023 18:34

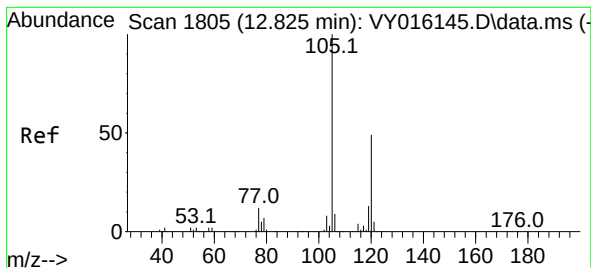
Tgt Ion: 91 Resp: 31597

Ion Ratio Lower Upper

91 100

120 25.4 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 4.368 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016177.D

Acq: 01 Nov 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

BLK

Tgt Ion:105 Resp: 30018

Ion Ratio Lower Upper

105 100

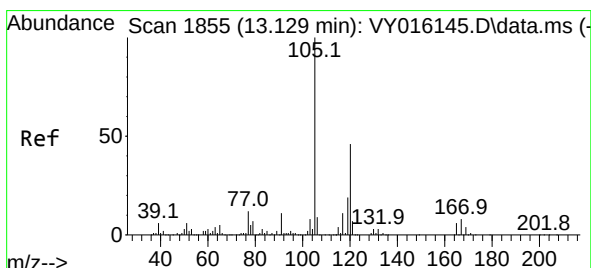
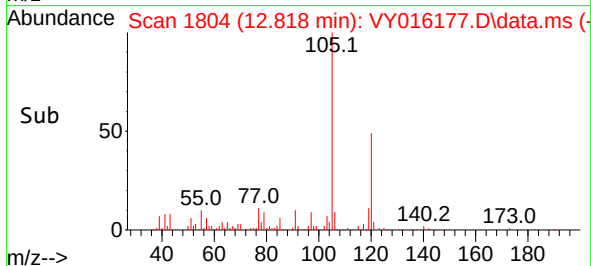
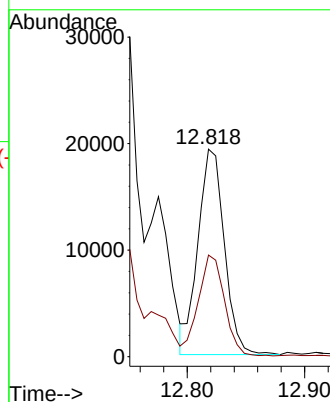
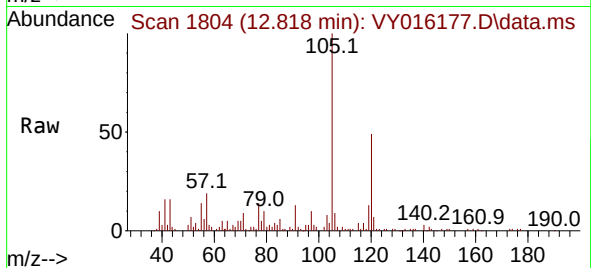
120 48.7 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/02/2023

Supervised By :Semsettin Yesilyurt 11/02/2023



#84

1,2,4-Trimethylbenzene

Concen: 18.157 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016177.D

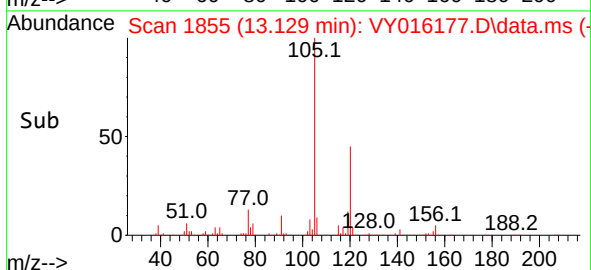
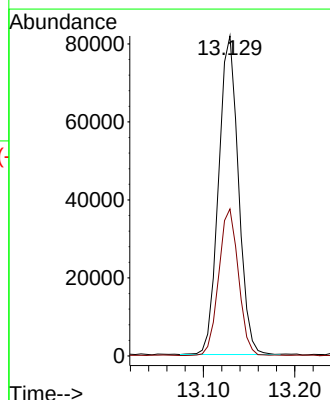
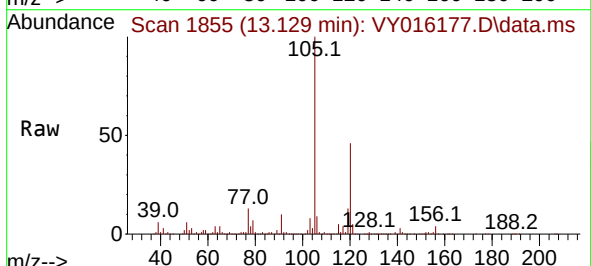
Acq: 01 Nov 2023 18:34

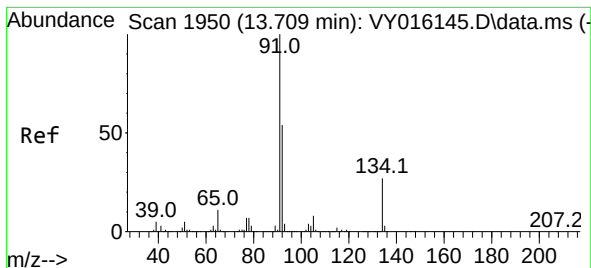
Tgt Ion:105 Resp: 123485

Ion Ratio Lower Upper

105 100

120 45.7 22.2 66.6





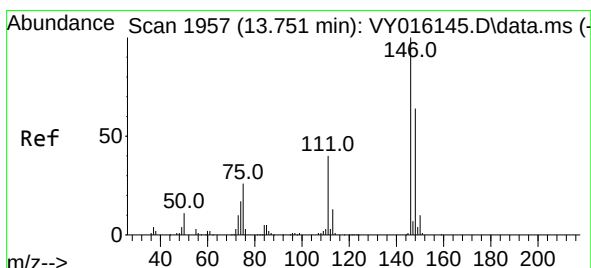
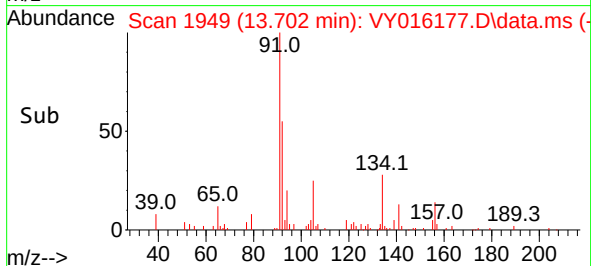
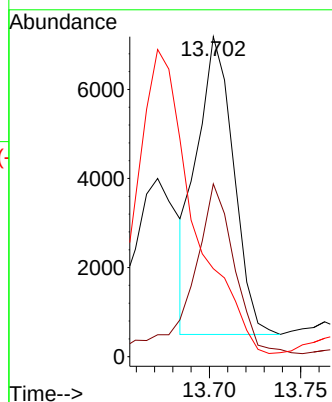
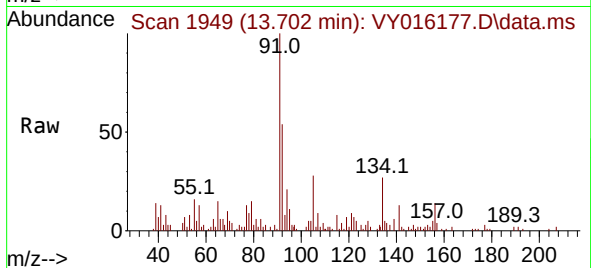
#89
n-Butylbenzene
Concen: 1.357 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK

Tgt Ion:	91	Resp:	932
Ion	Ratio	Lower	Upper
91	100		
92	64.3	25.4	76.0
134	0.0	12.6	37.6

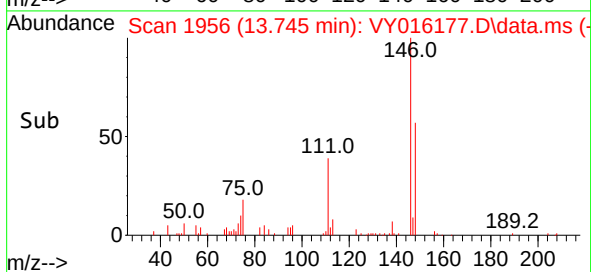
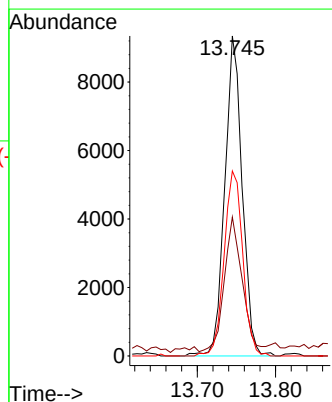
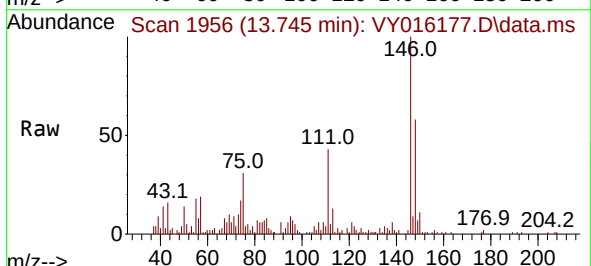
Manual Integrations
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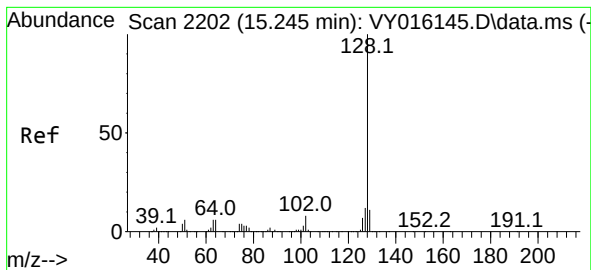
Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023



#91
1,2-Dichlorobenzene
Concen: 4.410 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

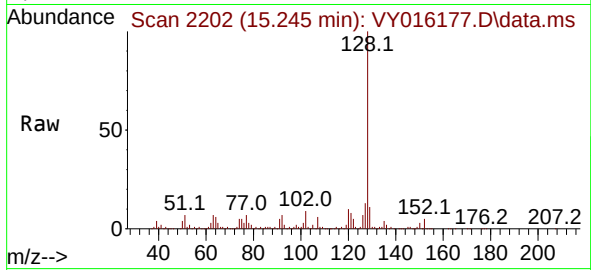
Tgt Ion:	146	Resp:	14476
Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.7	59.0
148	61.7	32.0	96.2





#95
Naphthalene
Concen: 36.797 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016177.D
Acq: 01 Nov 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
BLK



Tgt Ion:128 Resp: 144820
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 11.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/02/2023
Supervised By :Semsettin Yesilyurt 11/02/2023

