

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016113.D
 Acq On : 27 Oct 2023 18:54
 Operator : SY/MD
 Sample : 05107-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1075

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023

Quant Time: Oct 30 06:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	162871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	264883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	96452	59.556	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.120%			
35) Dibromofluoromethane	7.722	113	83568	49.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.960%			
50) Toluene-d8	10.185	98	348397	56.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.500%			
62) 4-Bromofluorobenzene	12.483	95	99515	46.837	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.680%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	50771	115.660	ug/l	91
17) Carbon Disulfide	4.204	76	6723	1.746	ug/l	97
20) Methylene Chloride	4.722	84	25207	10.093	ug/l #	80
31) Cyclohexane	7.783	56	573704	225.171	ug/l	92
39) Methylcyclohexane	9.185	83	1240956	437.013	ug/l	93
40) Benzene	8.167	78	19828436	3004.610	ug/l #	86
52) Toluene	10.246	92	13805870	3257.850	ug/l #	71
67) Ethyl Benzene	11.593	91	3227047	414.928	ug/l	98
68) m/p-Xylenes	11.703	106	6386218	2121.829	ug/l	86
69) o-Xylene	12.032	106	3005068	1042.916	ug/l	93
73) Isopropylbenzene	12.331	105	308933	53.234	ug/l	99
78) n-propylbenzene	12.672	91	580088	82.555	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1958452	406.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	4203782	883.407	ug/l	97
85) sec-Butylbenzene	13.251	105	122299m	19.173	ug/l	
86) p-Isopropyltoluene	13.367	119	159886	30.038	ug/l	97
89) n-Butylbenzene	13.696	91	82532	16.622	ug/l #	54
95) Naphthalene	15.233	128	17929125	6136.905	ug/l #	89

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

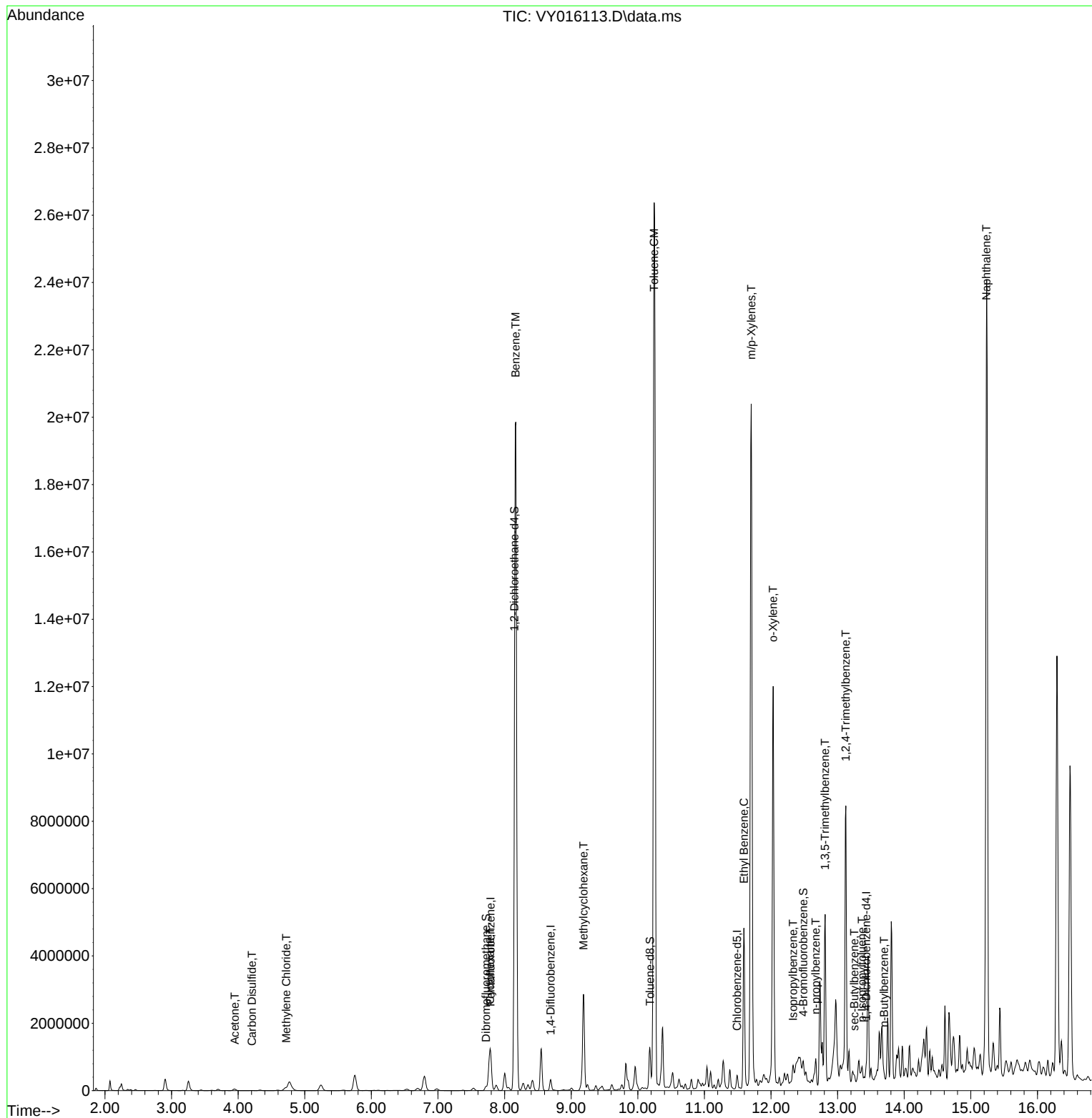
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016113.D
Acq On : 27 Oct 2023 18:54
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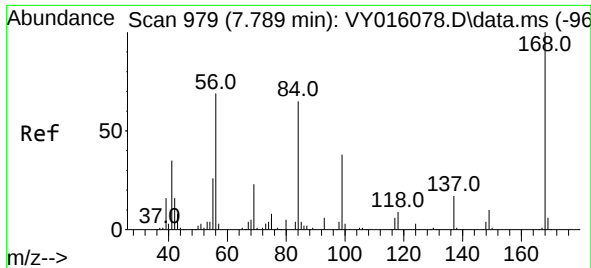
Instrument :
MSVOA_Y
ClientSampleId :
1075

Quant Time: Oct 30 06:12:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 04:12:29 2023
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023





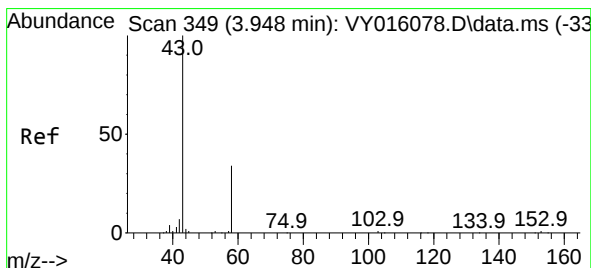
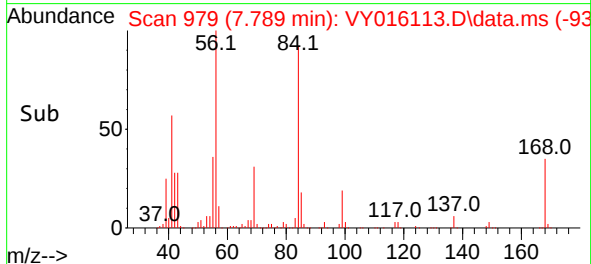
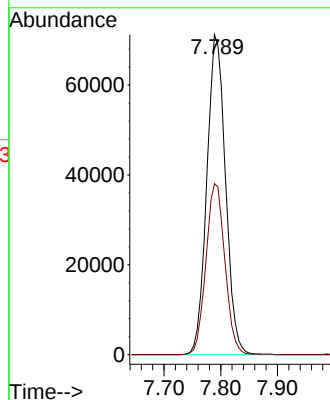
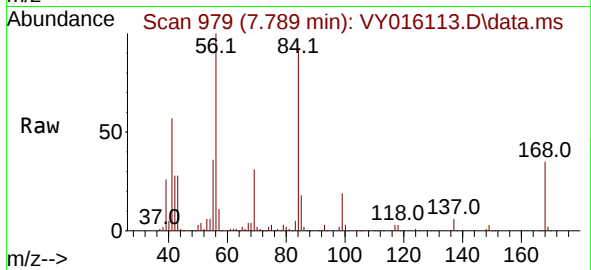
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
1075

Tgt Ion:168 Resp: 16287
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0

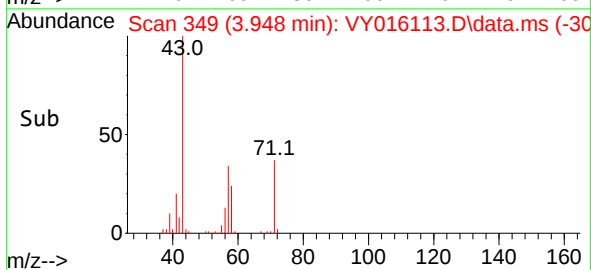
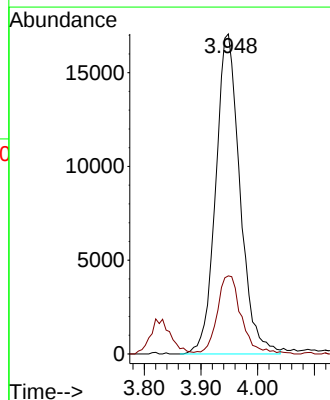
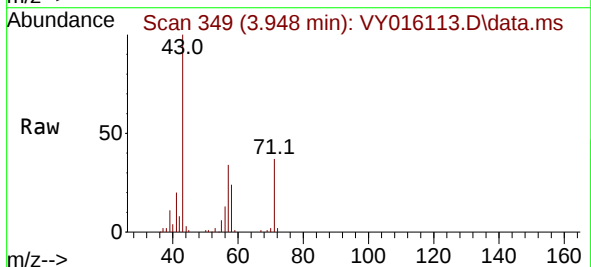
Manual Integrations
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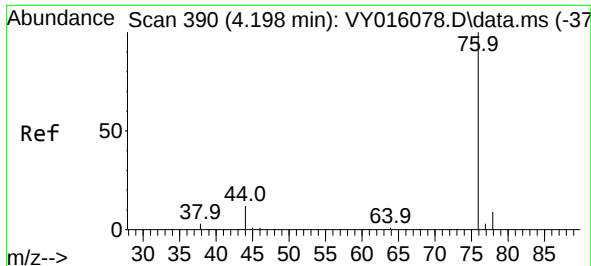
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#16
Acetone
Concen: 115.660 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion: 43 Resp: 50771
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1





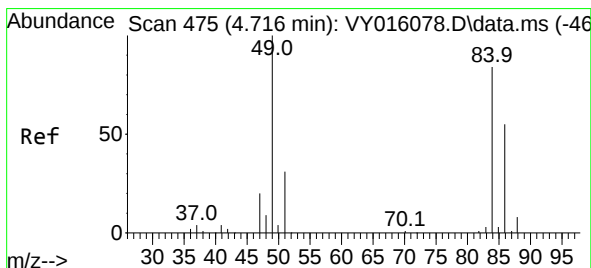
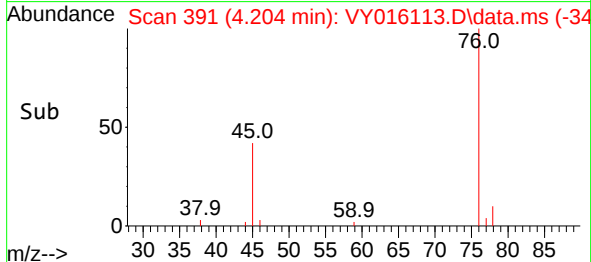
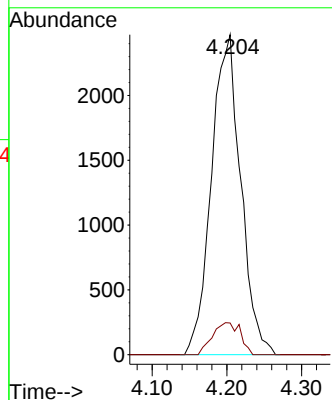
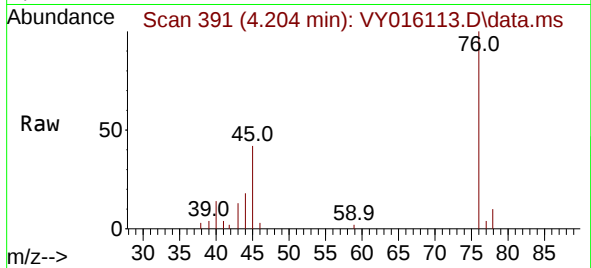
#17
Carbon Disulfide
Concen: 1.746 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
1075

Tgt Ion: 76 Resp: 6723
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4

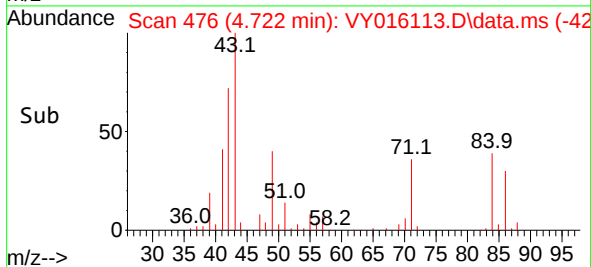
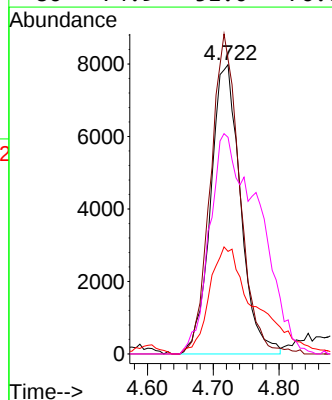
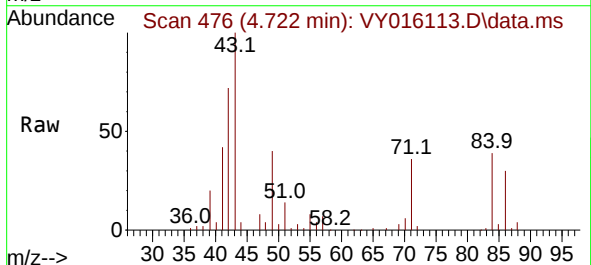
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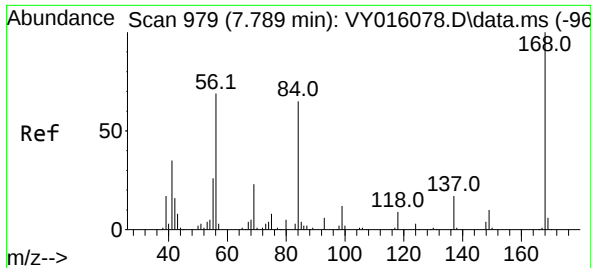
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#20
Methylene Chloride
Concen: 10.093 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

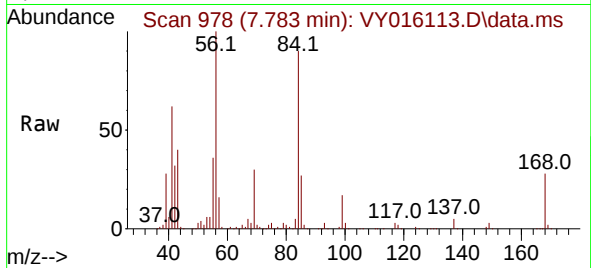
Tgt Ion: 84 Resp: 25207
Ion Ratio Lower Upper
84 100
49 102.0 106.9 160.3#
51 35.4 33.2 49.8
86 74.9 51.0 76.6





#31
Cyclohexane
Concen: 225.171 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

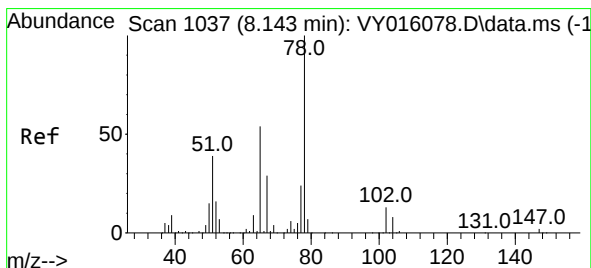
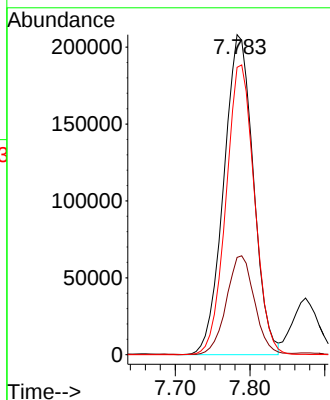
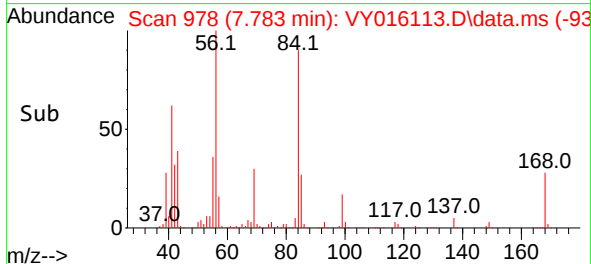
Instrument :
MSVOA_Y
ClientSampleId :
1075



Tgt Ion: 56 Resp: 573704
Ion Ratio Lower Upper
56 100
69 30.3 27.8 41.6
84 89.8 66.4 99.6

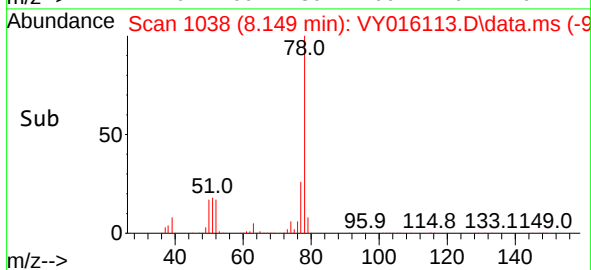
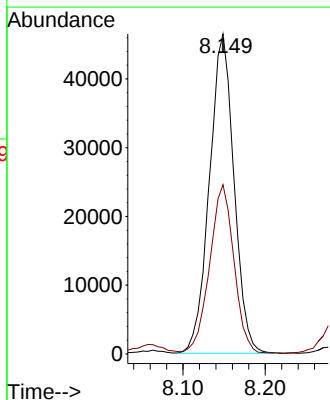
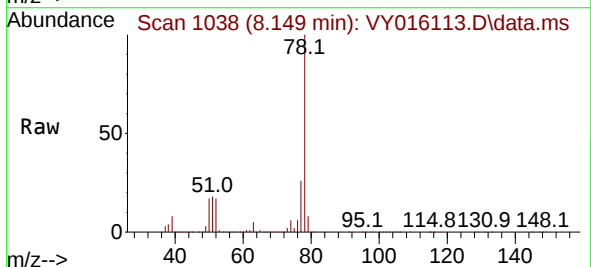
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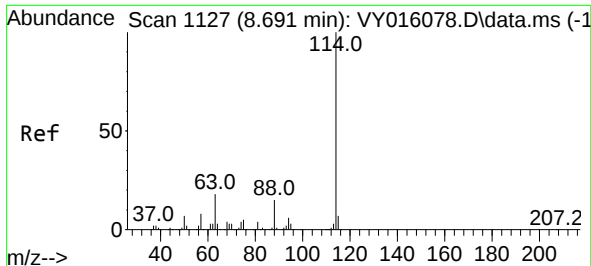
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#33
1,2-Dichloroethane-d4
Concen: 59.556 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

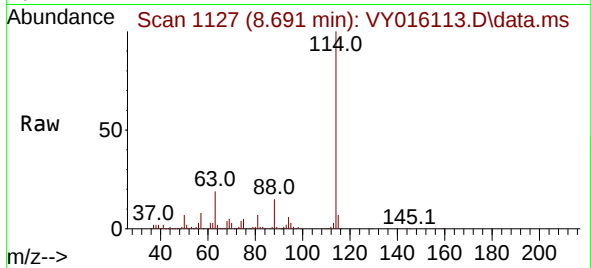
Tgt Ion: 65 Resp: 96452
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

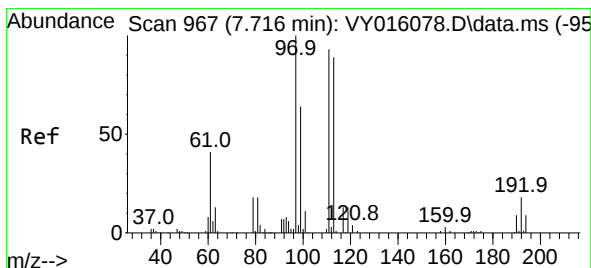
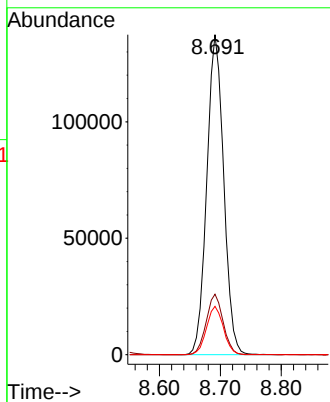
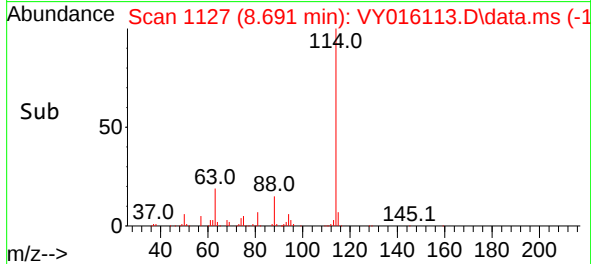
Instrument :
MSVOA_Y
ClientSampleId :
1075



Tgt Ion:114 Resp: 26488
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 15.1 0.0 30.6

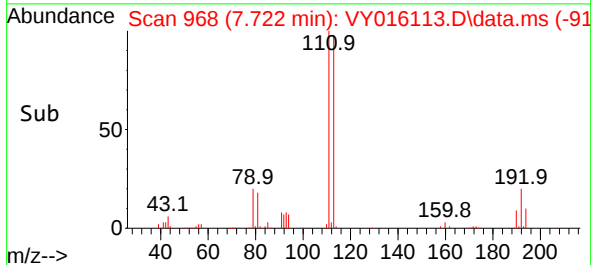
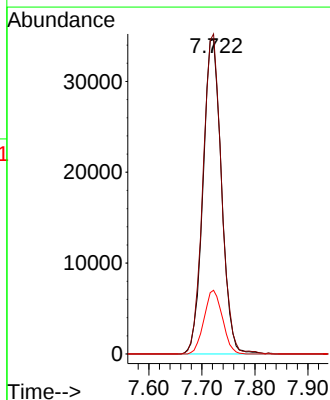
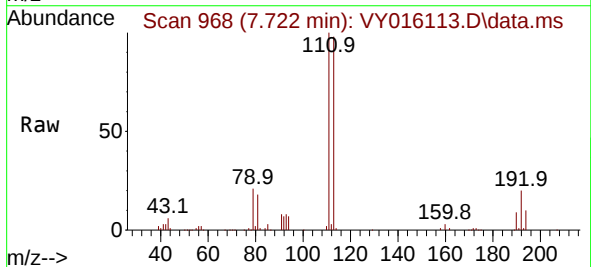
Manual Integrations
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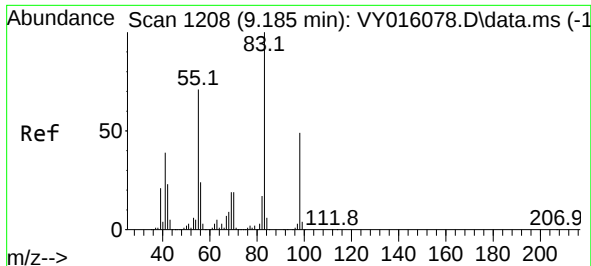
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#35
Dibromofluoromethane
Concen: 49.975 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

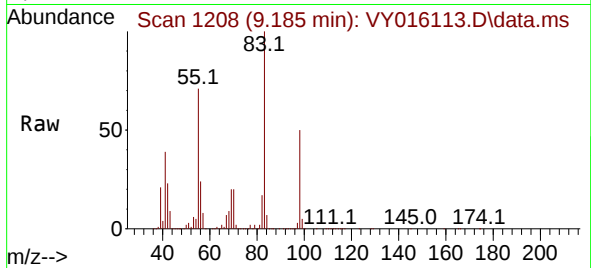
Tgt Ion:113 Resp: 83568
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 20.2 16.9 25.3





#39
Methylcyclohexane
Concen: 437.013 ug/l
RT: 9.185 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

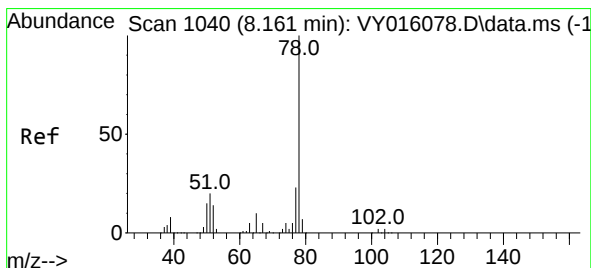
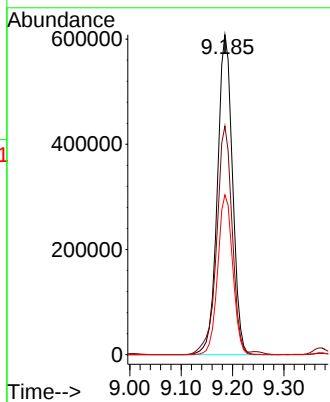
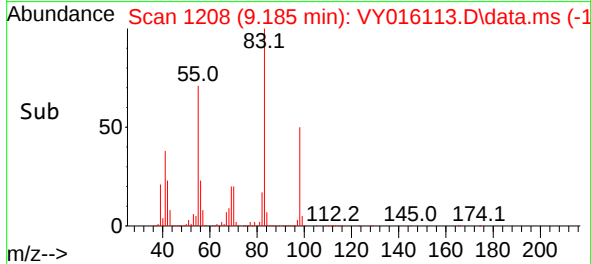
Instrument :
MSVOA_Y
ClientSampleId :
1075



Tgt Ion: 83 Resp: 1240950
Ion Ratio Lower Upper
83 100
55 71.4 63.0 94.4
98 49.9 37.4 56.2

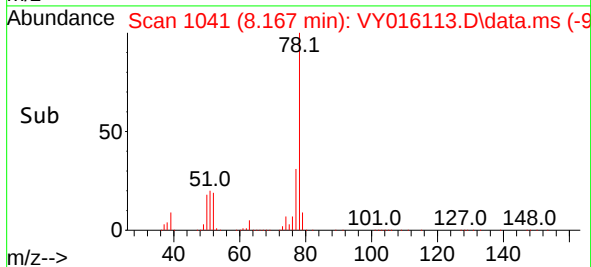
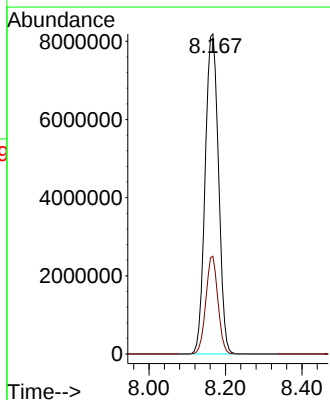
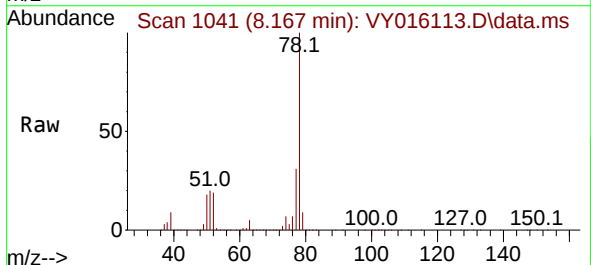
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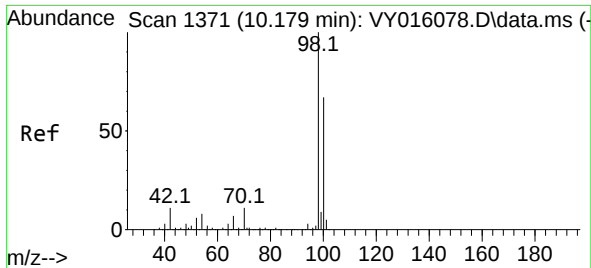
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#40
Benzene
Concen: 3004.610 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

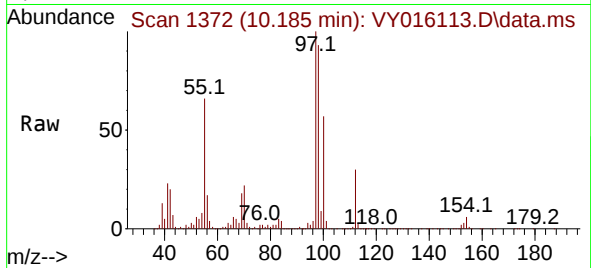
Tgt Ion: 78 Resp:19828436
Ion Ratio Lower Upper
78 100
77 30.5 19.0 28.6#





#50
Toluene-d8
Concen: 56.247 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

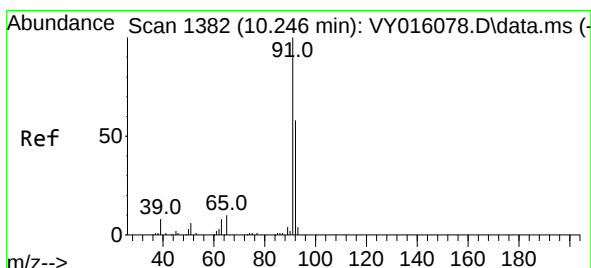
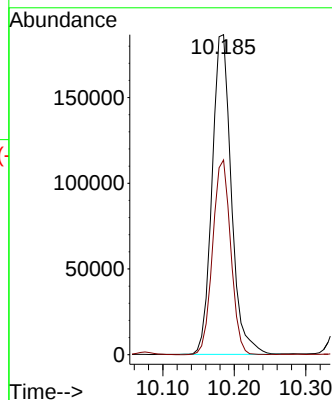
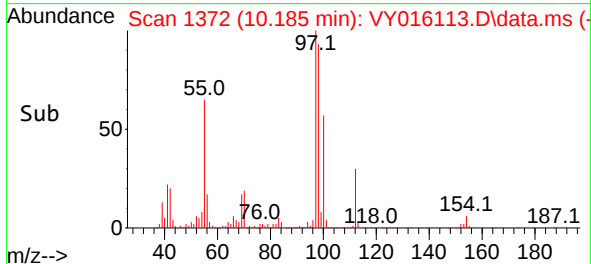
Instrument :
MSVOA_Y
ClientSampleId :
1075



Tgt Ion: 98 Resp: 34839
Ion Ratio Lower Upper
98 100
100 57.3 50.1 75.1

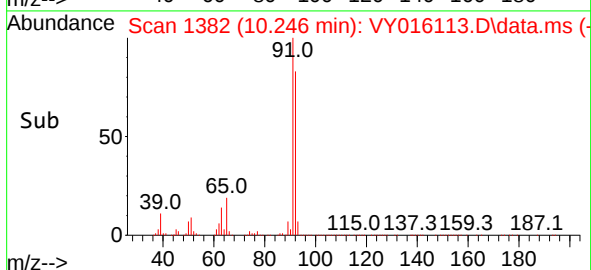
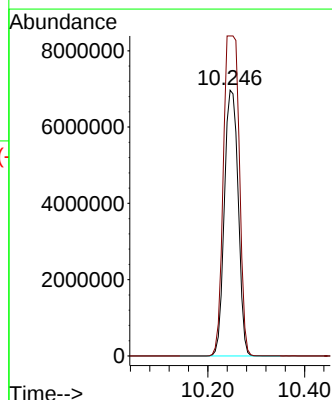
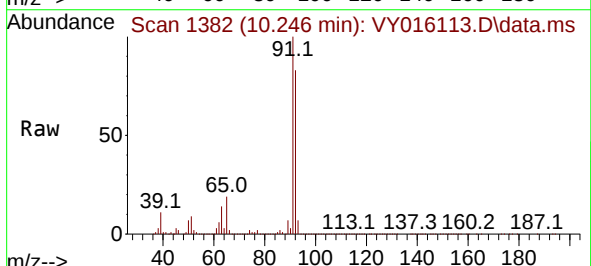
Manual Integrations
APPROVED

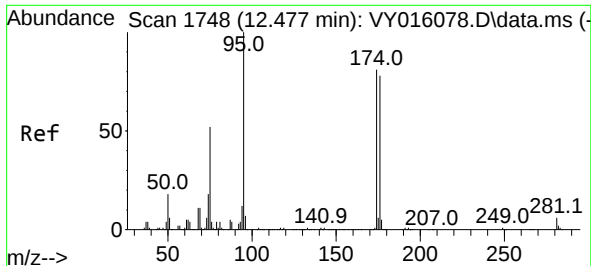
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#52
Toluene
Concen: 3257.850 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion: 92 Resp:13805870
Ion Ratio Lower Upper
92 100
91 138.7 143.8 215.6#





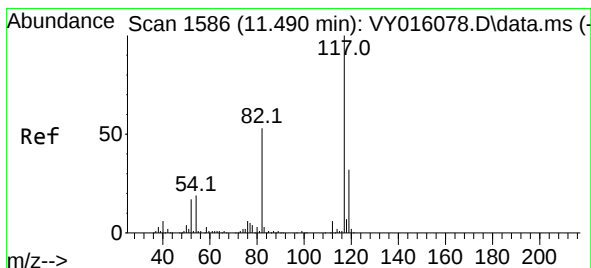
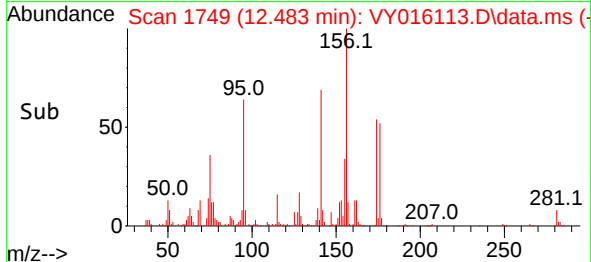
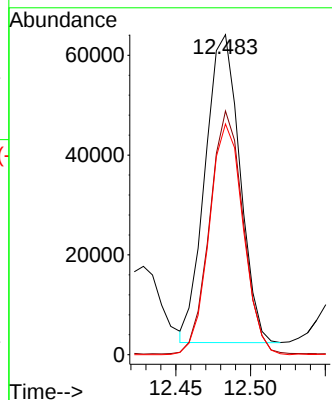
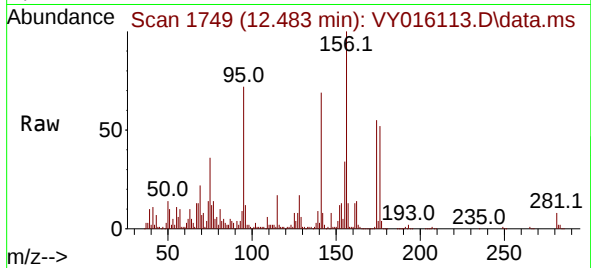
#62
4-Bromofluorobenzene
Concen: 46.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
1075

Tgt Ion: 95 Resp: 9951
Ion Ratio Lower Upper
95 100
174 76.0 0.0 178.2
176 73.6 0.0 173.8

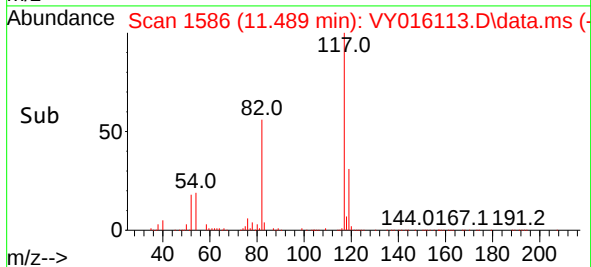
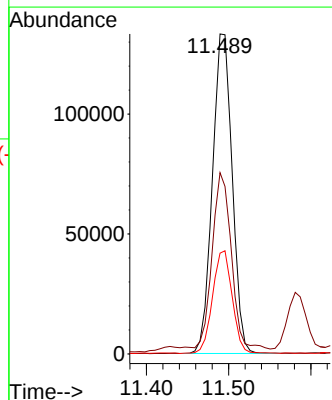
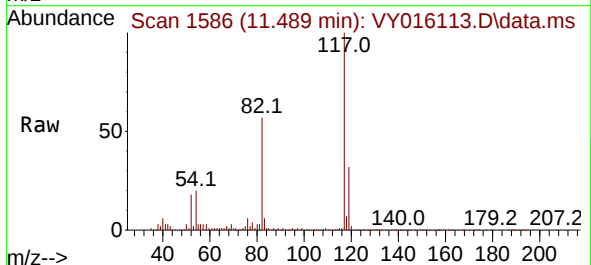
Manual Integrations
APPROVED

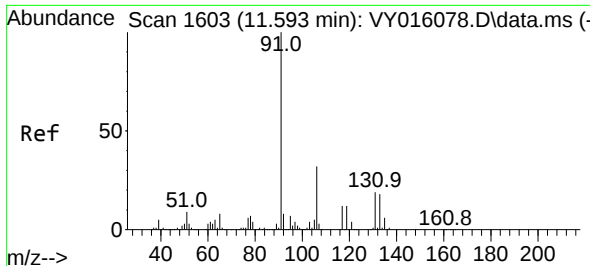
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

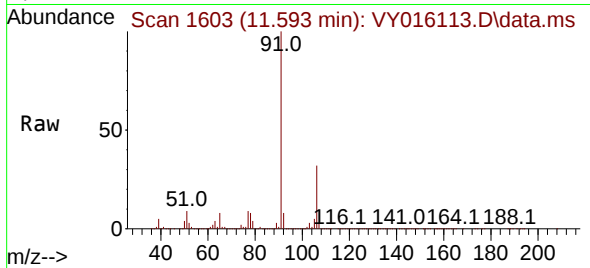
Tgt Ion:117 Resp: 222814
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 31.4 26.3 39.5





#67
Ethyl Benzene
Concen: 414.928 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

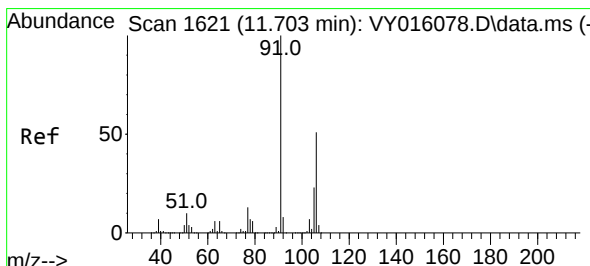
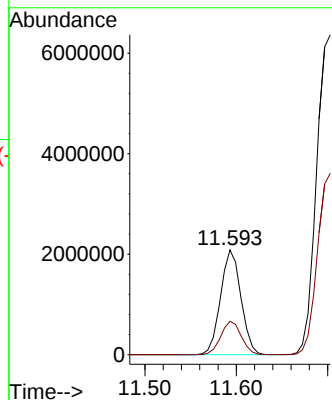
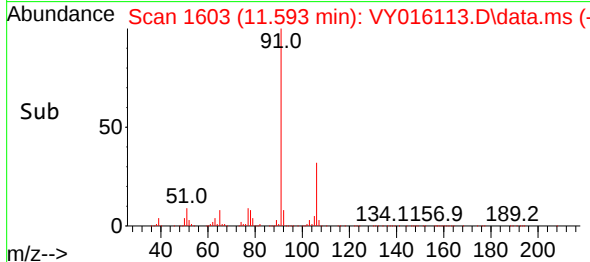
Instrument :
MSVOA_Y
ClientSampleId :
1075



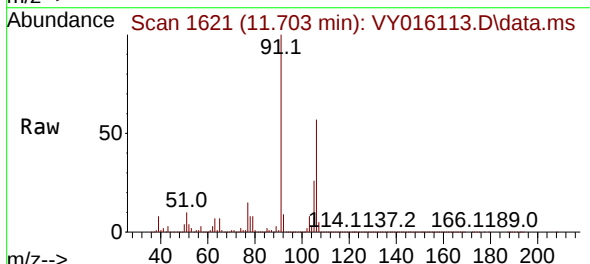
Tgt Ion: 91 Resp: 322704
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

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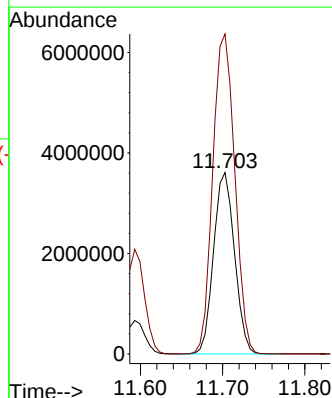
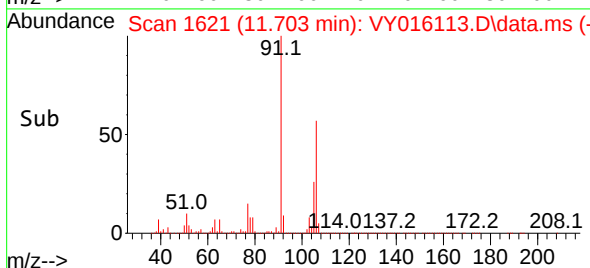
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023

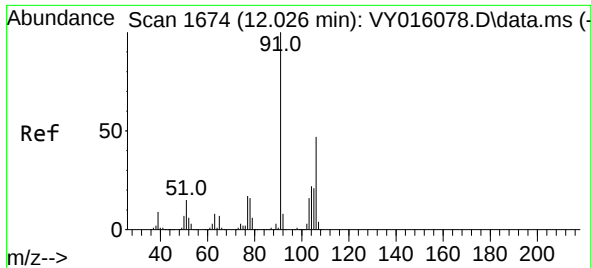


#68
m/p-Xylenes
Concen: 2121.829 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54



Tgt Ion:106 Resp: 6386218
Ion Ratio Lower Upper
106 100
91 185.4 166.1 249.1





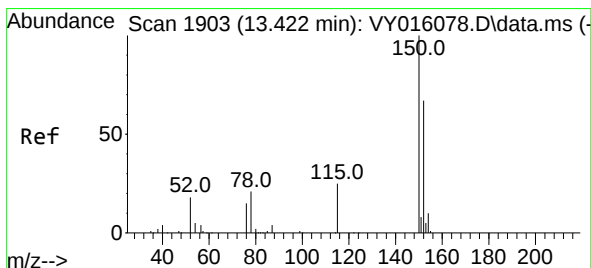
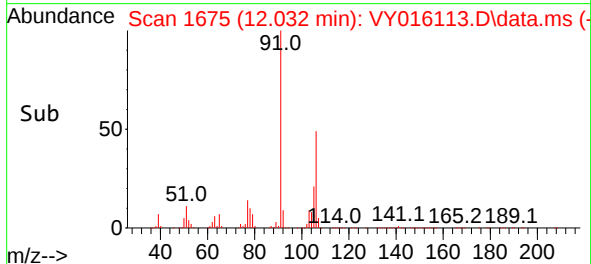
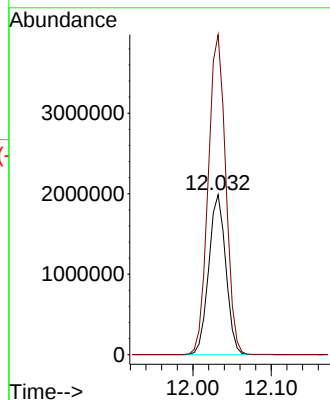
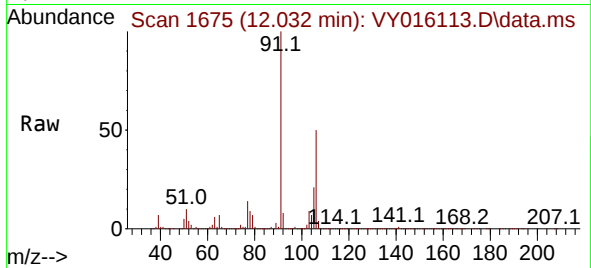
#69
o-Xylene
Concen: 1042.916 ug/l
RT: 12.032 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
1075

Tgt Ion:106 Resp: 3005068
Ion Ratio Lower Upper
106 100
91 205.0 108.1 324.3

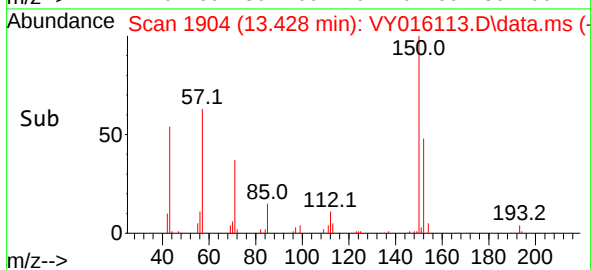
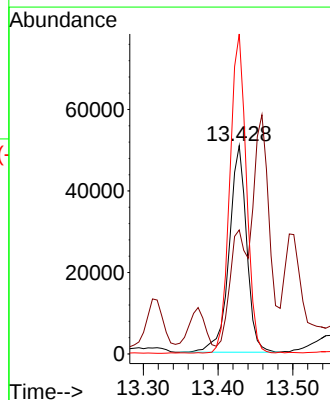
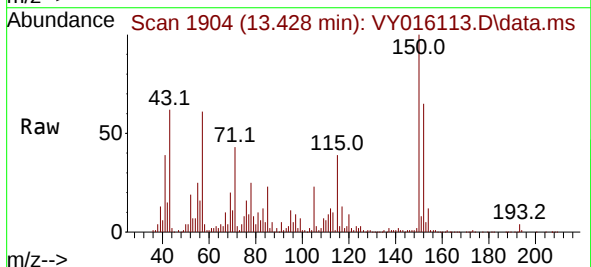
Manual Integrations
APPROVED

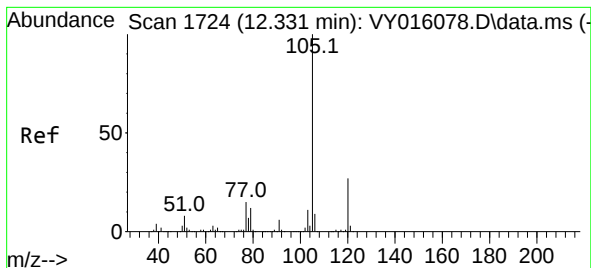
Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion:152 Resp: 82461
Ion Ratio Lower Upper
152 100
115 55.5 28.8 86.5
150 146.1 0.0 348.8





#73

Isopropylbenzene

Concen: 53.234 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

1075

Tgt Ion:105 Resp: 30893

Ion Ratio Lower Upper

105 100

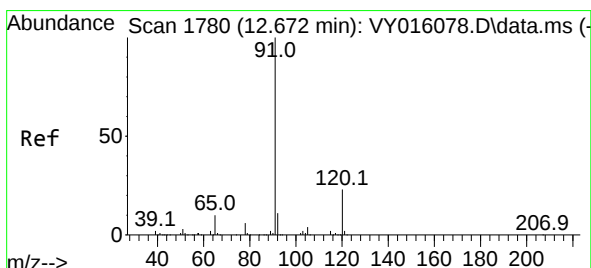
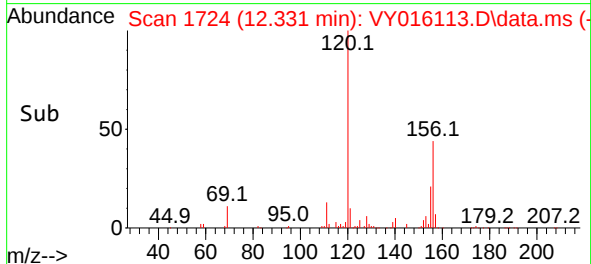
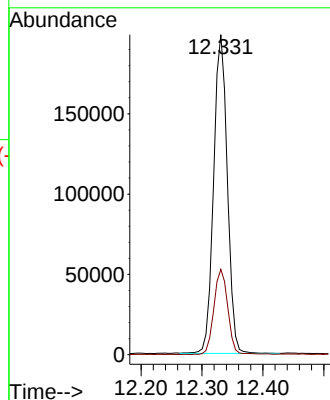
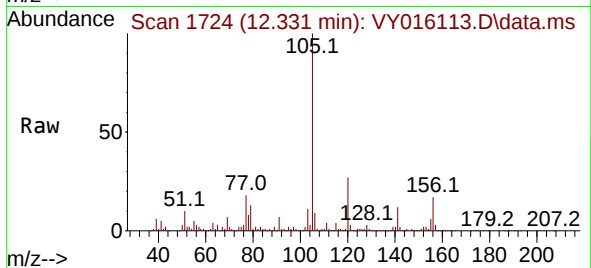
120 27.2 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#78

n-propylbenzene

Concen: 82.555 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY016113.D

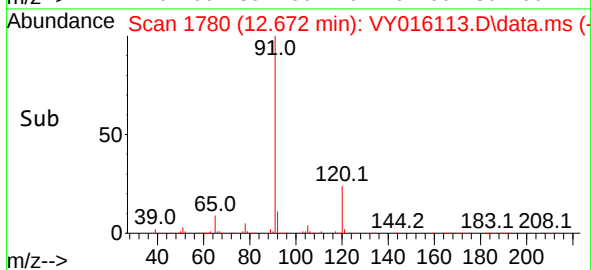
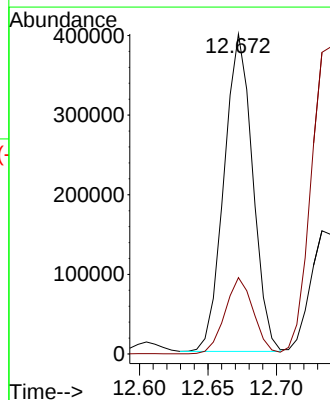
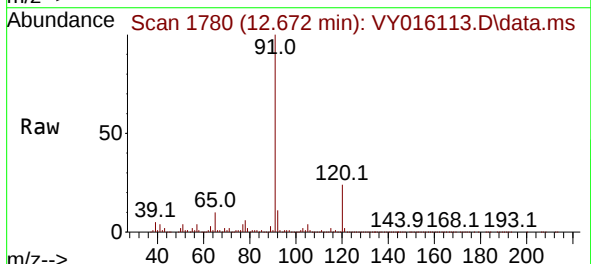
Acq: 27 Oct 2023 18:54

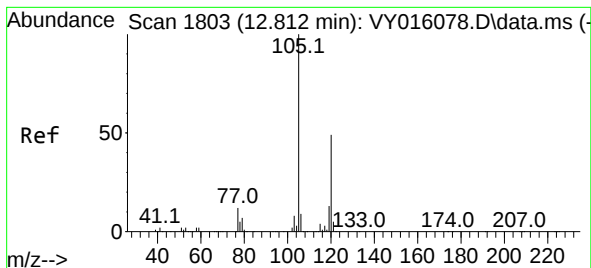
Tgt Ion: 91 Resp: 580088

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 406.469 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

1075

Tgt Ion:105 Resp: 195845

Ion Ratio Lower Upper

105 100

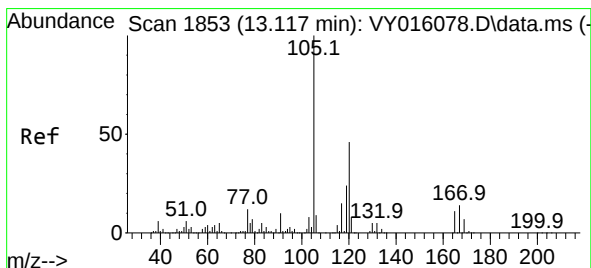
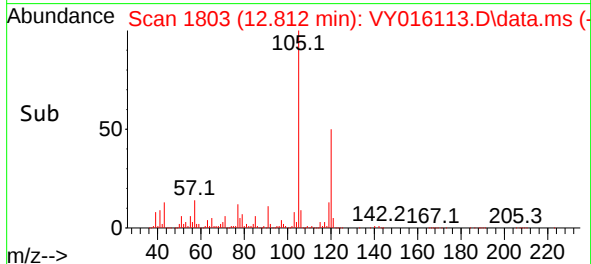
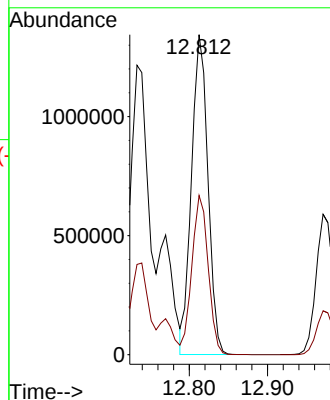
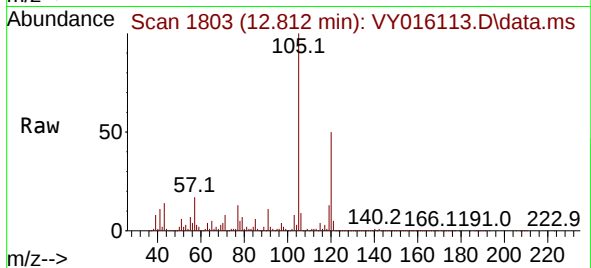
120 49.6 23.9 71.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#84

1,2,4-Trimethylbenzene

Concen: 883.407 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016113.D

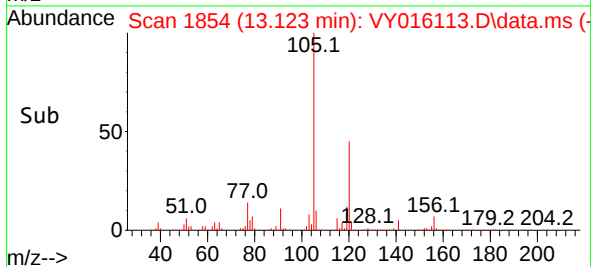
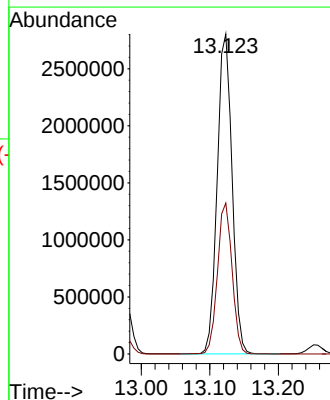
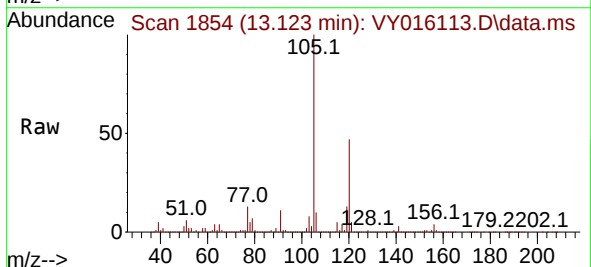
Acq: 27 Oct 2023 18:54

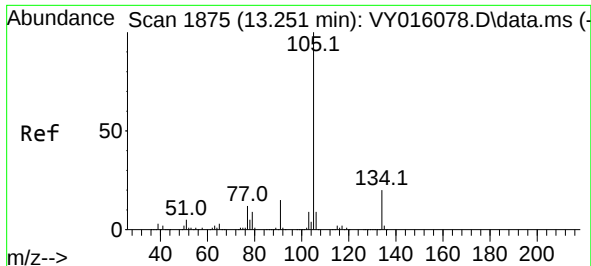
Tgt Ion:105 Resp: 4203782

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.173 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

1075

Tgt Ion:105 Resp: 122299

Ion Ratio Lower Upper

105 100

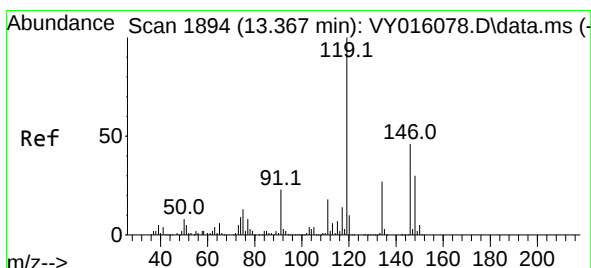
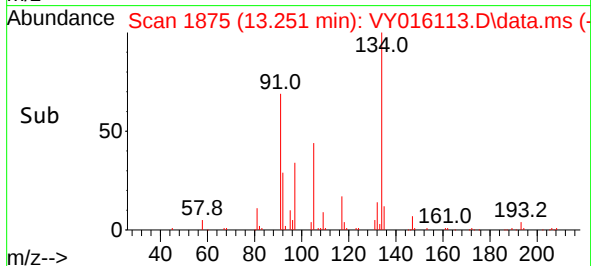
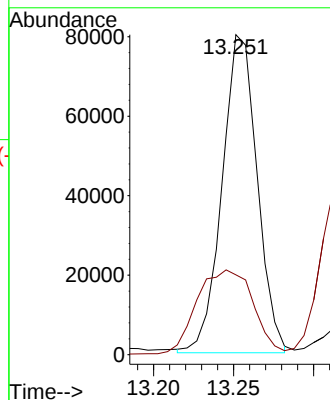
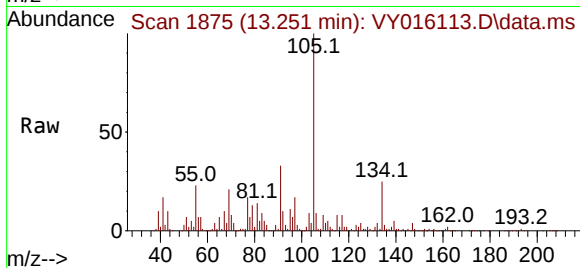
134 0.0 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023

Supervised By :Semsettin Yesilyurt 10/30/2023



#86

p-Isopropyltoluene

Concen: 30.038 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

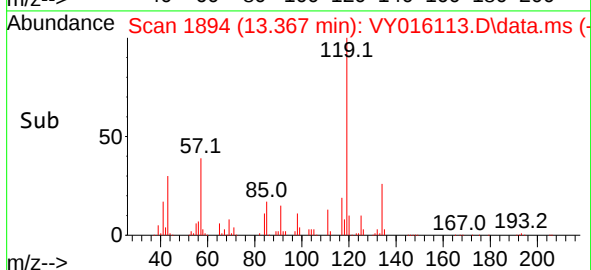
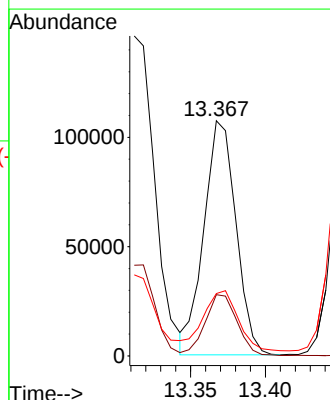
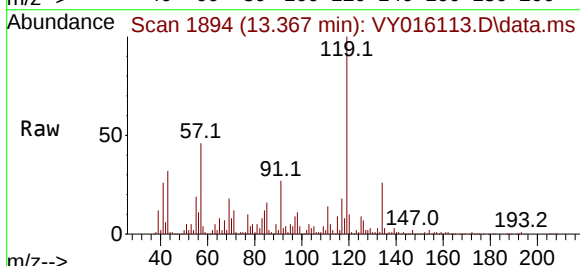
Tgt Ion:119 Resp: 159886

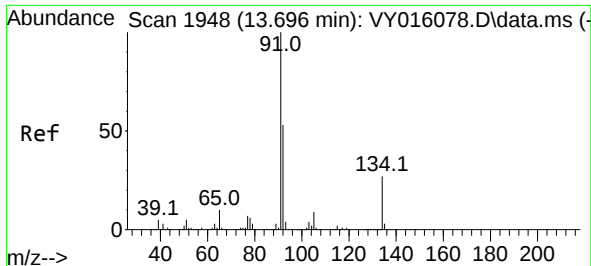
Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 27.8 12.4 37.4





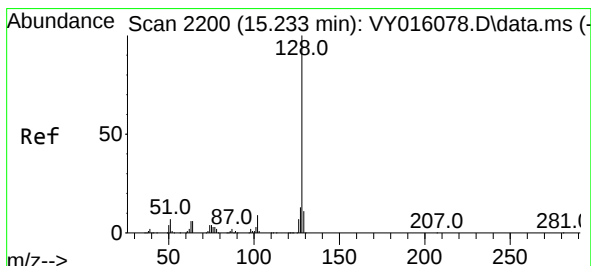
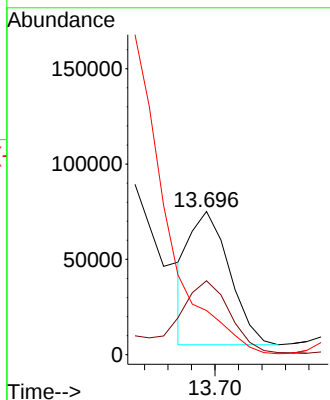
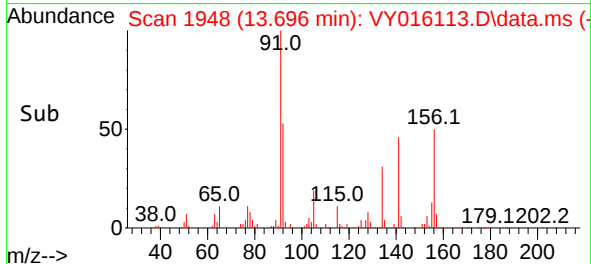
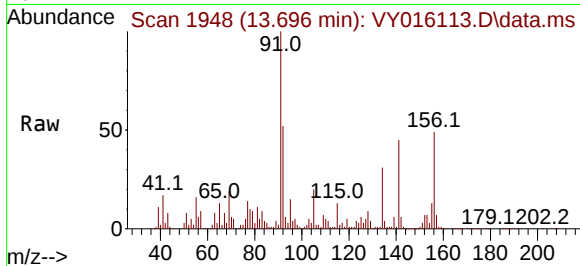
#89
n-Butylbenzene
Concen: 16.622 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :
1075

Tgt Ion: 91 Resp: 82532
Ion Ratio Lower Upper
91 100
92 81.2 25.4 76.0#
134 0.0 12.6 37.6#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
Supervised By :Semsettin Yesilyurt 10/30/2023



#95
Naphthalene
Concen: 6136.905 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion:128 Resp:17929125
Ion Ratio Lower Upper
128 100
127 17.6 10.8 16.2#
129 15.5 8.6 13.0#

