

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121124\
 Data File : VY020587.D
 Acq On : 11 Dec 2024 15:24
 Operator : SY/MD
 Sample : P5244-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-121024

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/12/2024
 Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 11 22:14:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	72146	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	113141	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	86637	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	34143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	35239	48.027	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.060%		
35) Dibromofluoromethane	7.628	113	35141	49.336	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.103	98	133669	49.284	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.402	95	37741	39.786	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	79.580%		
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.518	91	4227	1.038	ug/l #	85
68) m/p-Xylenes	11.621	106	7690	5.159	ug/l	97
69) o-Xylene	11.950	106	7075	5.067	ug/l	82
73) Isopropylbenzene	12.249	105	11682	3.536	ug/l	95
78) n-propylbenzene	12.590	91	46517	11.893	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	45609	17.228	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	201918	78.472	ug/l	99
85) sec-Butylbenzene	13.176	105	44272	12.907	ug/l	93
86) p-Isopropyltoluene	13.292	119	22291	7.864	ug/l	97
89) n-Butylbenzene	13.615	91	35165m	13.376	ug/l	

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

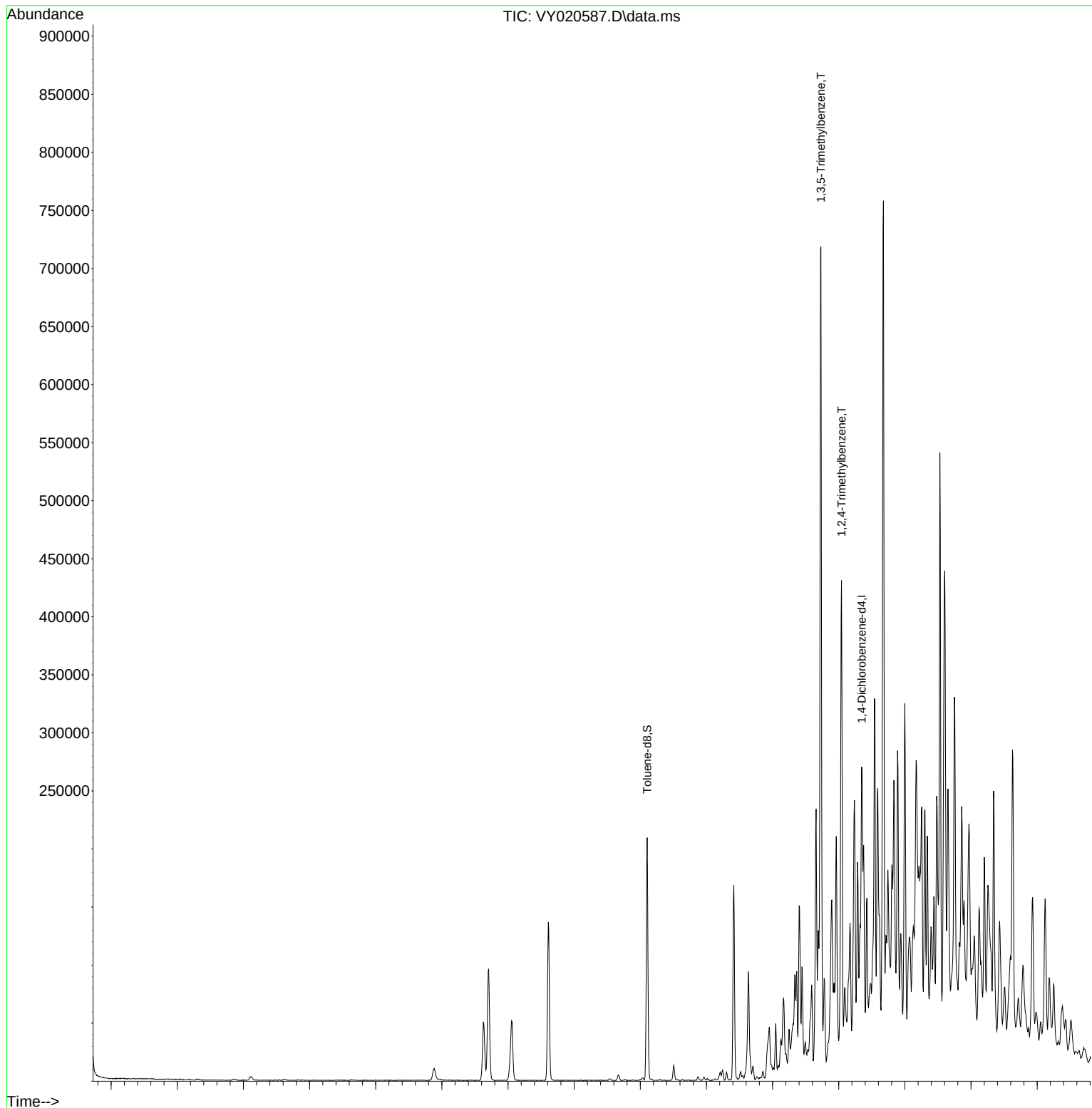
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121124\
Data File : VY020587.D
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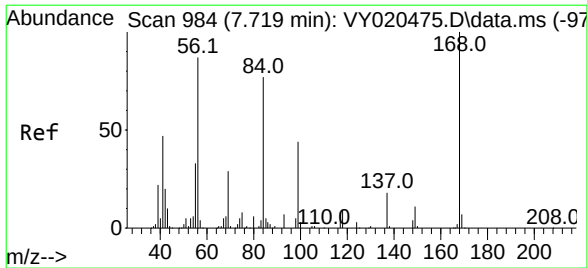
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-121024

Quant Time: Dec 11 22:14:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

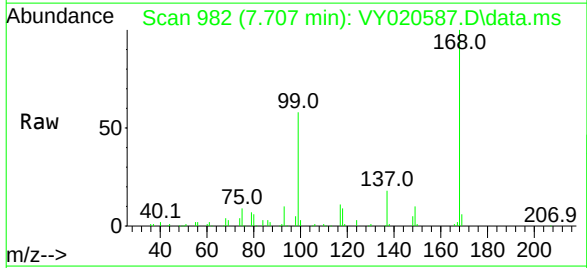
Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

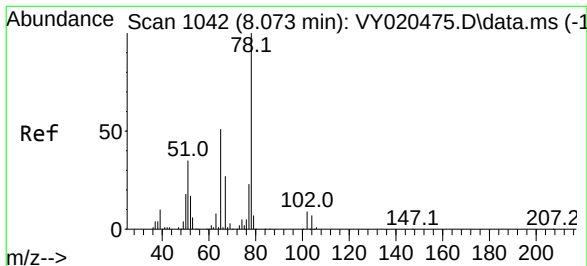
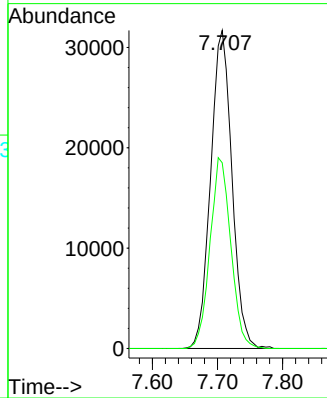
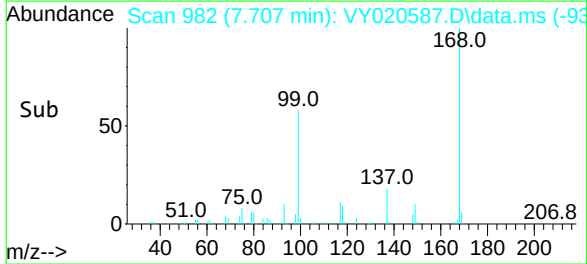
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-121024



Tgt Ion:168 Resp: 72146
Ion Ratio Lower Upper
168 100
99 58.4 46.6 69.8

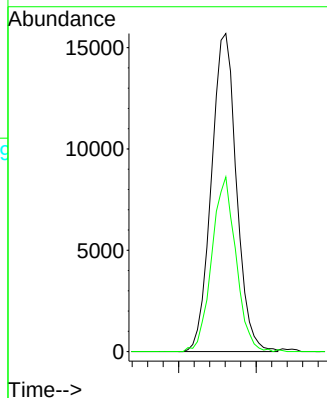
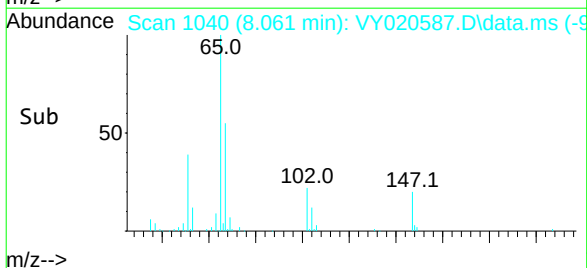
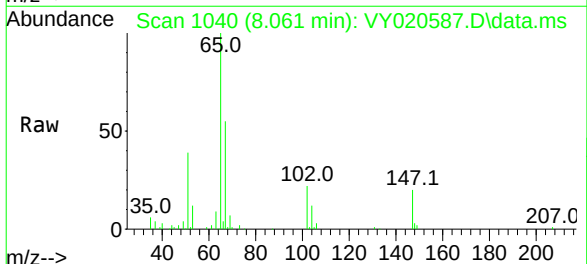
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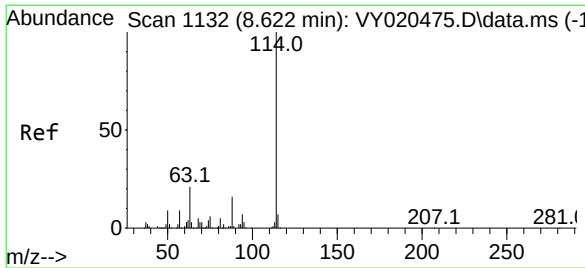
Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#33
1,2-Dichloroethane-d4
Concen: 48.027 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

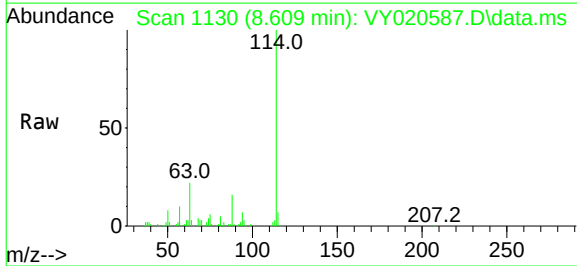
Tgt Ion: 65 Resp: 35239
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1132
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

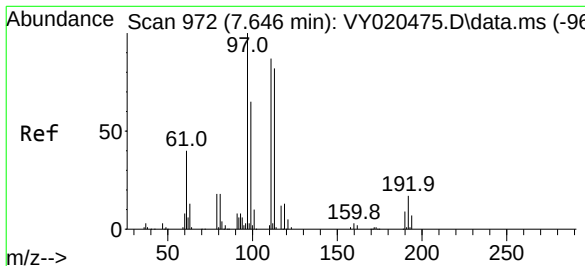
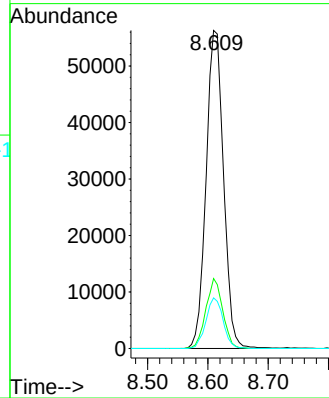
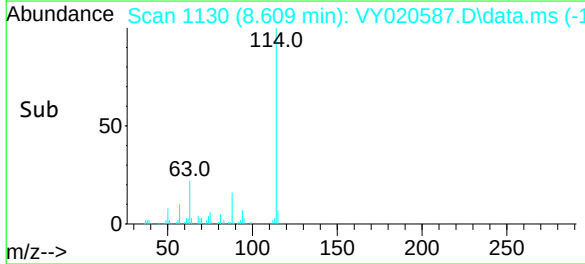
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-121024



Tgt Ion:114 Resp: 113141
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.8
88 15.9 0.0 32.0

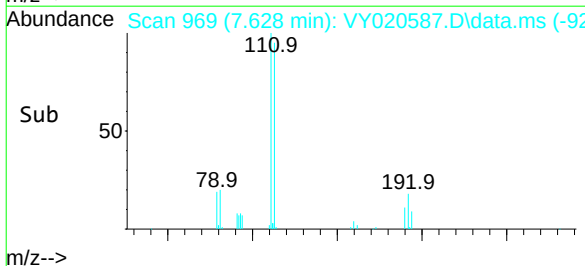
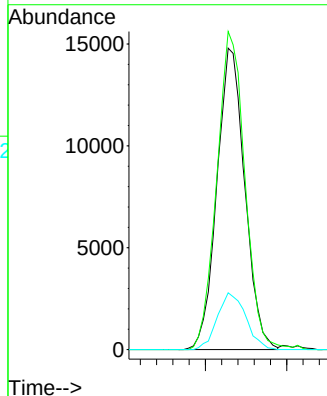
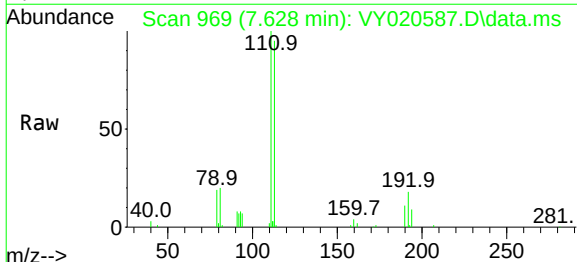
Manual Integrations
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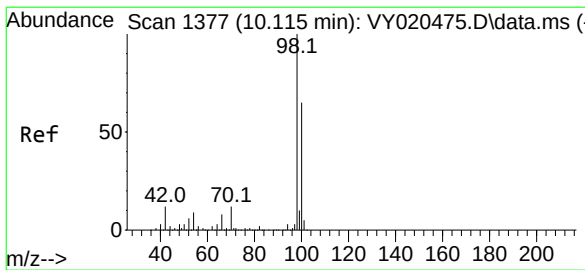
Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#35
Dibromofluoromethane
Concen: 49.336 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.018 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

Tgt Ion:113 Resp: 35141
Ion Ratio Lower Upper
113 100
111 106.9 81.4 122.0
192 19.3 15.1 22.7





#50

Toluene-d8

Concen: 49.284 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020587.D

Acq: 11 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-121024

Tgt Ion: 98 Resp: 133669

Ion Ratio Lower Upper

98 100

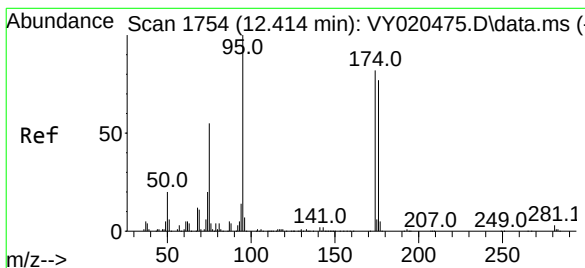
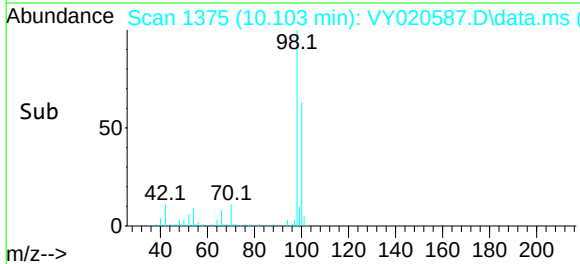
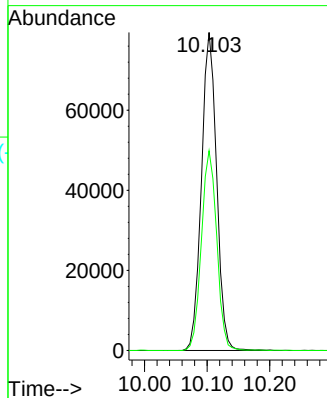
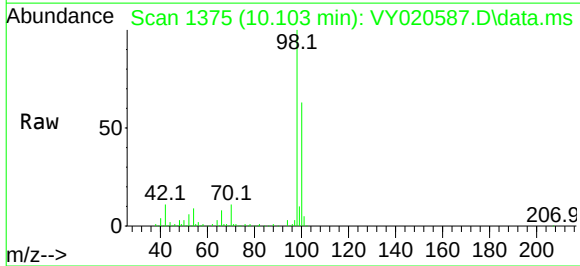
100 63.4 51.3 76.9

Manual Integrations

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Reviewed By :Romaben Patel 12/12/2024

Supervised By :Mahesh Dadoda 12/12/2024



#62

4-Bromofluorobenzene

Concen: 39.786 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.012 min

Lab File: VY020587.D

Acq: 11 Dec 2024 15:24

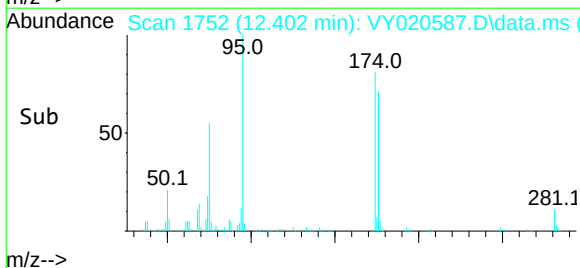
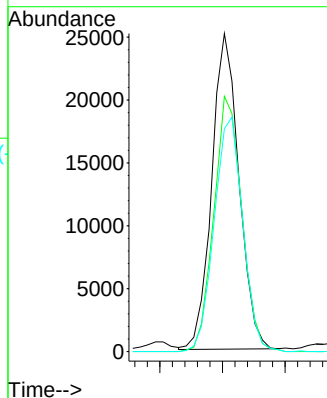
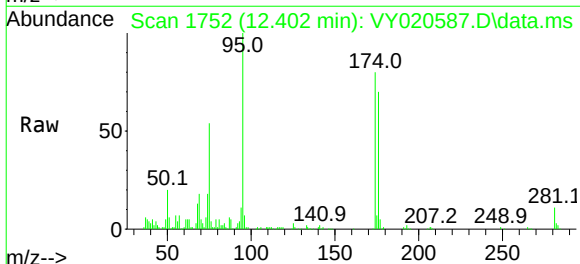
Tgt Ion: 95 Resp: 37741

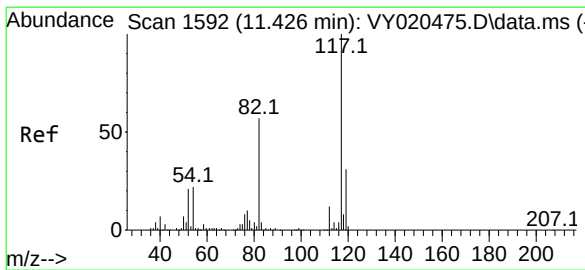
Ion Ratio Lower Upper

95 100

174 83.2 0.0 156.8

176 78.2 0.0 152.0





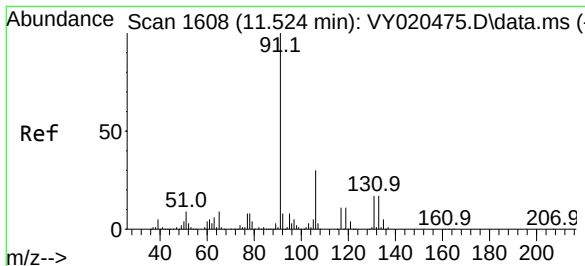
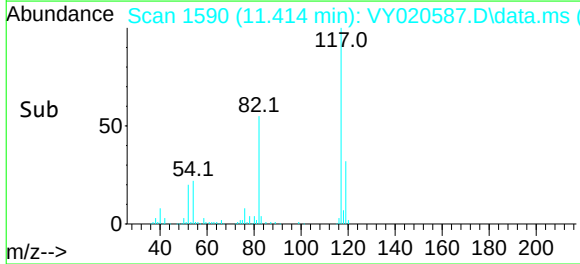
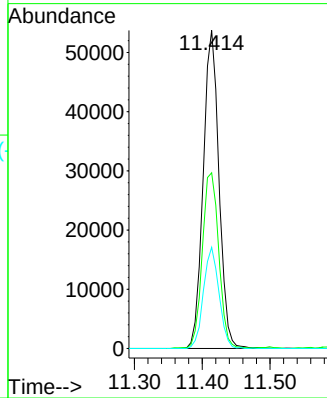
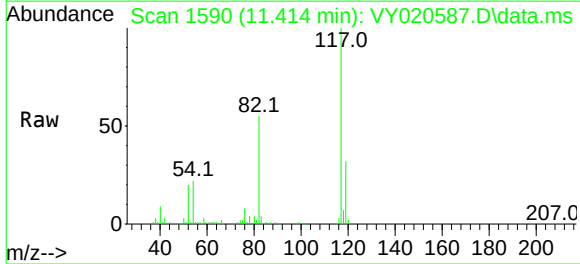
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1592
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

Instrument : MSVOA_Y
ClientSampleId : NB-08-121024

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	48.2	72.4
119	31.8	25.8	38.8

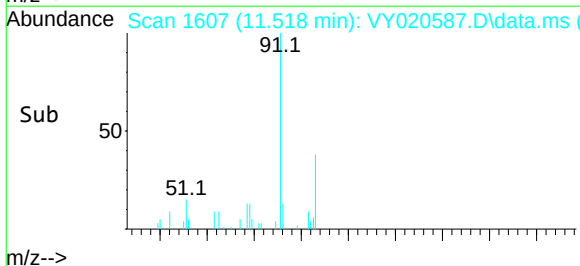
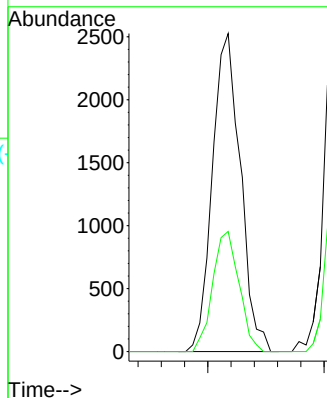
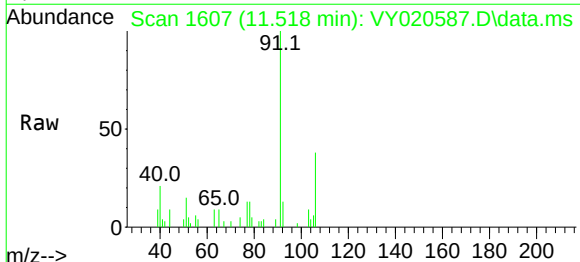
Manual Integrations
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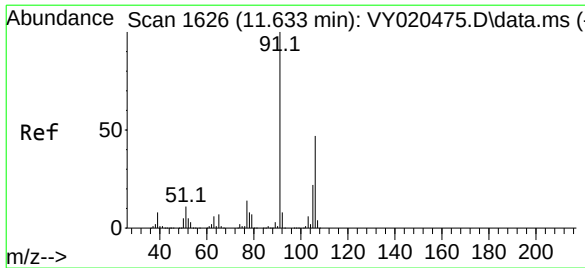
Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#67
Ethyl Benzene
Concen: 1.038 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

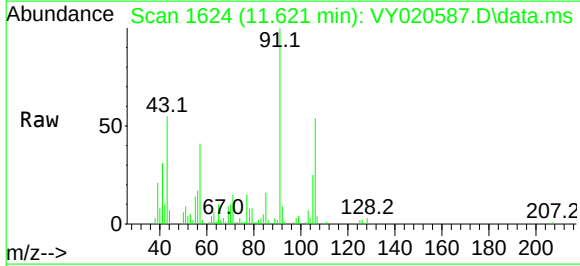
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.8	23.9	35.9





#68
m/p-Xylenes
Concen: 5.159 ug/l
RT: 11.621 min Scan# 1626
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

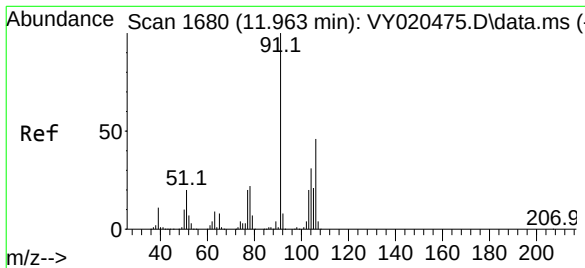
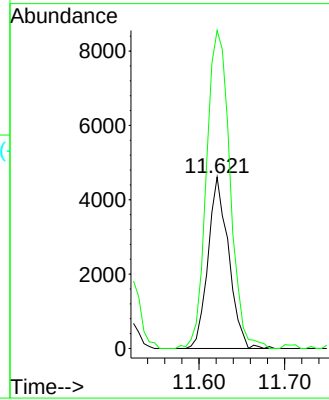
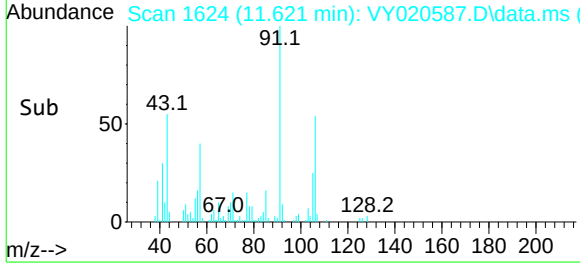
Instrument : MSVOA_Y
ClientSampleId : NB-08-121024



Tgt Ion:106 Resp: 7690
Ion Ratio Lower Upper
106 100
91 212.1 166.0 249.0

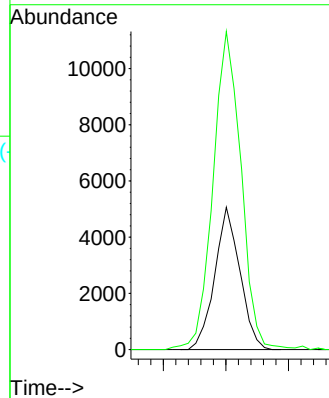
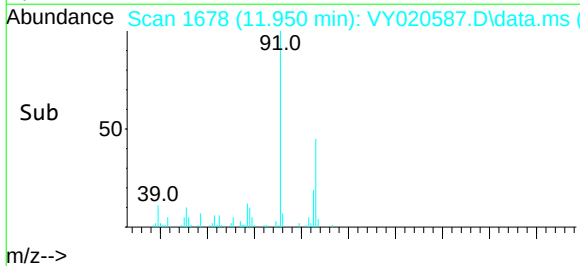
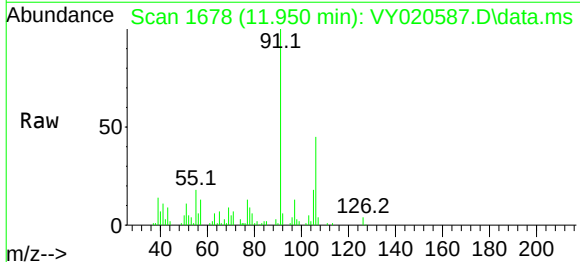
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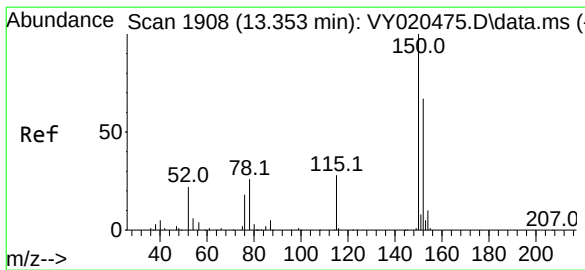
Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#69
o-Xylene
Concen: 5.067 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

Tgt Ion:106 Resp: 7075
Ion Ratio Lower Upper
106 100
91 249.1 110.0 330.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020587.D

Acq: 11 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-121024

Tgt Ion:152 Resp: 34143

Ion Ratio Lower Upper

152 100

115 66.6 30.0 90.0

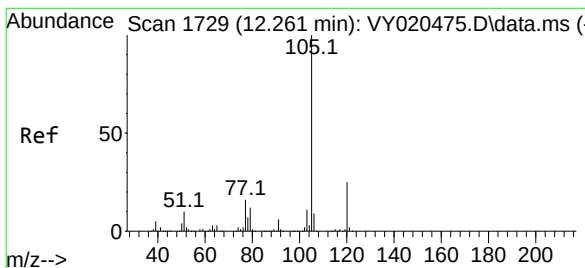
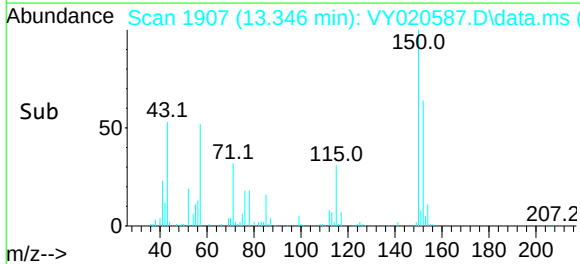
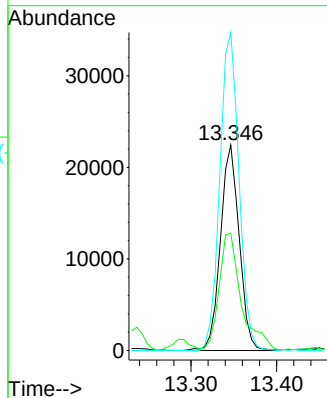
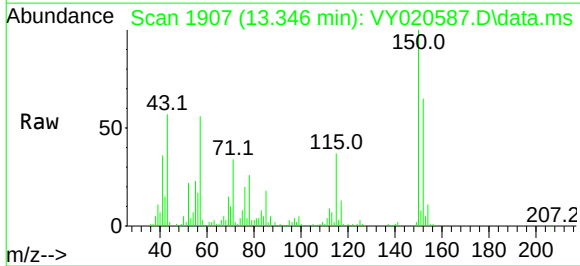
150 158.0 0.0 348.2

Manual Integrations

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Reviewed By :Romaben Patel 12/12/2024

Supervised By :Mahesh Dadoda 12/12/2024



#73

Isopropylbenzene

Concen: 3.536 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.012 min

Lab File: VY020587.D

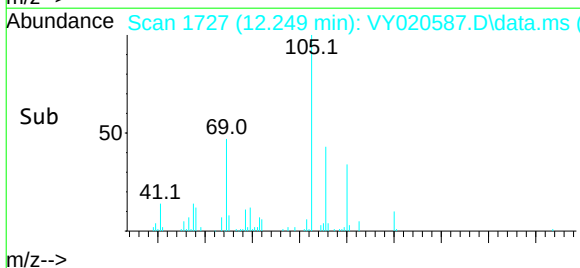
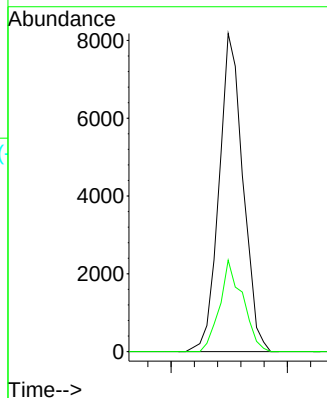
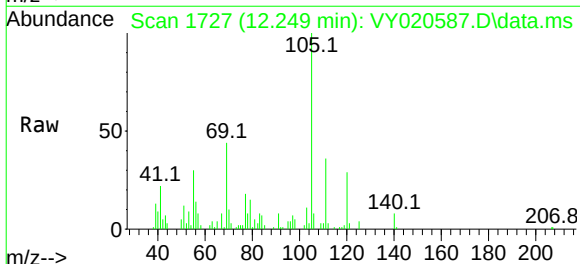
Acq: 11 Dec 2024 15:24

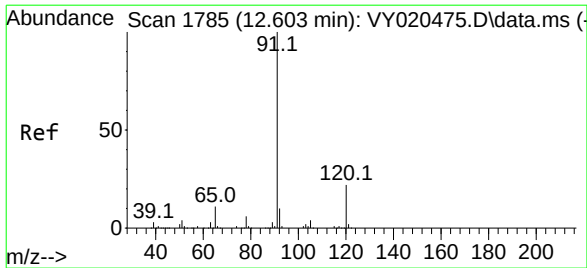
Tgt Ion:105 Resp: 11682

Ion Ratio Lower Upper

105 100

120 27.7 12.7 38.1





#78

n-propylbenzene

Concen: 11.893 ug/l

RT: 12.590 min Scan# 17

Delta R.T. -0.012 min

Lab File: VY020587.D

Acq: 11 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-121024

Tgt Ion: 91 Resp: 46517

Ion Ratio Lower Upper

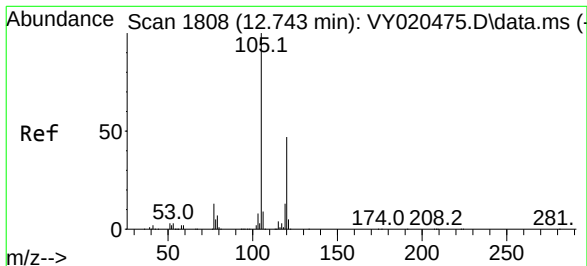
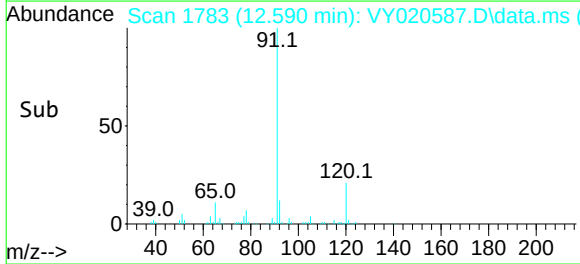
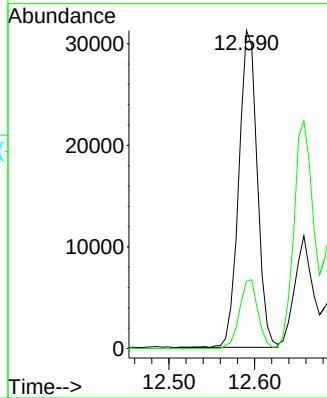
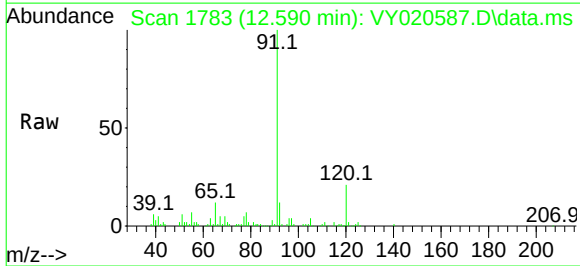
91 100

120 21.6 10.9 32.6

Manual Integrations

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Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#80

1,3,5-Trimethylbenzene

Concen: 17.228 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.012 min

Lab File: VY020587.D

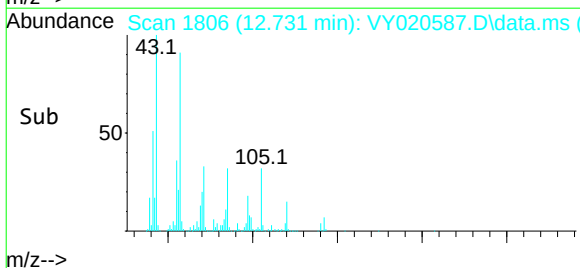
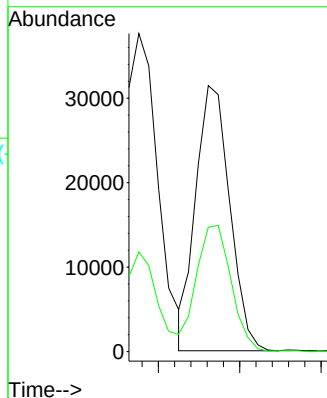
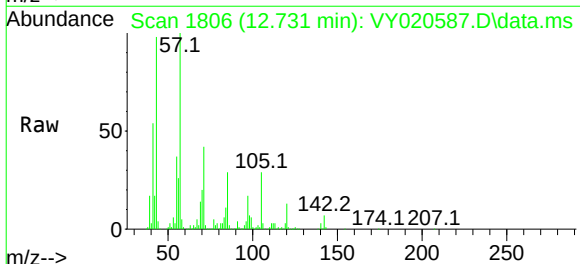
Acq: 11 Dec 2024 15:24

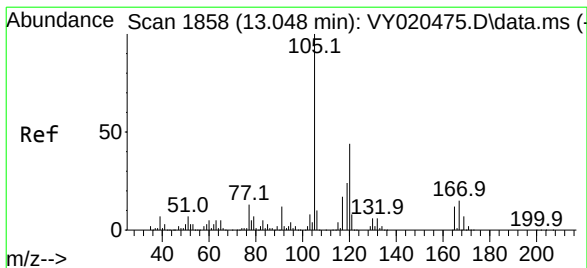
Tgt Ion:105 Resp: 45609

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 78.472 ug/l

RT: 13.042 min Scan# 18

Delta R.T. -0.006 min

Lab File: VY020587.D

Acq: 11 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

NB-08-121024

Tgt Ion:105 Resp: 201918

Ion Ratio Lower Upper

105 100

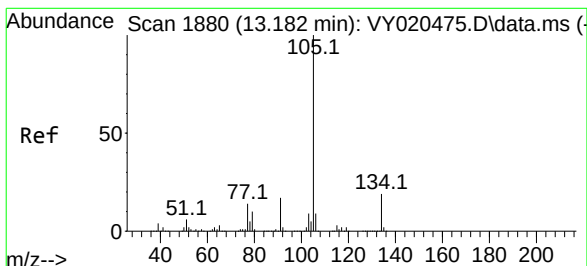
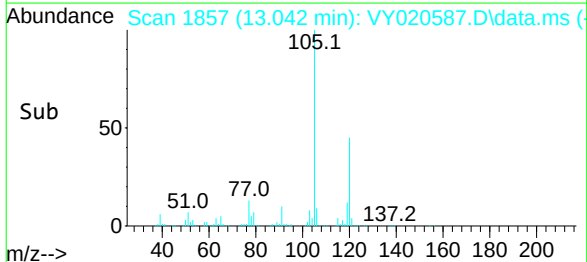
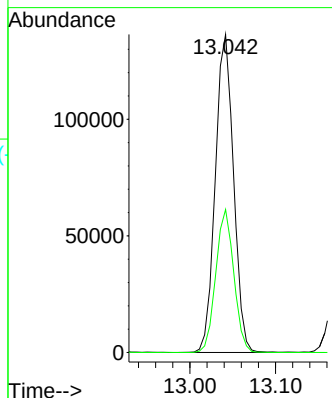
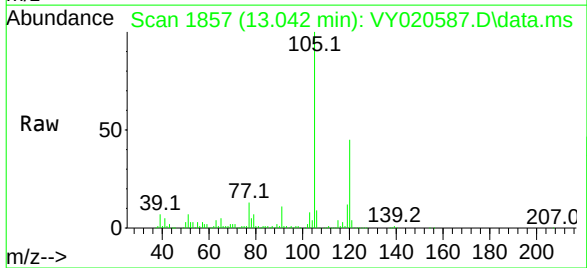
120 44.4 22.0 66.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 12/12/2024

Supervised By :Mahesh Dadoda 12/12/2024



#85

sec-Butylbenzene

Concen: 12.907 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY020587.D

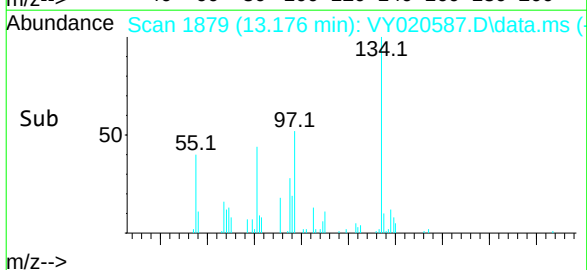
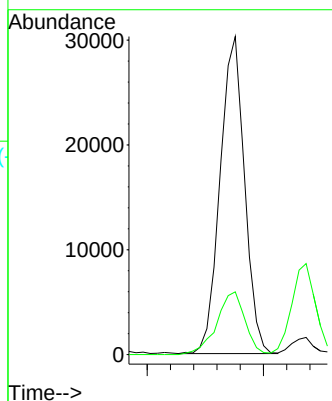
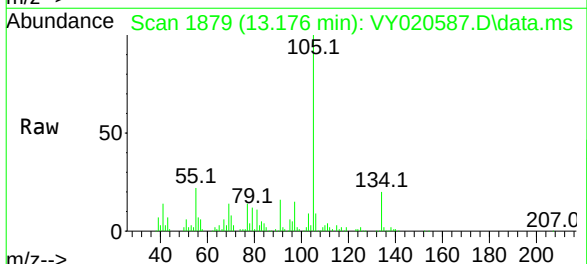
Acq: 11 Dec 2024 15:24

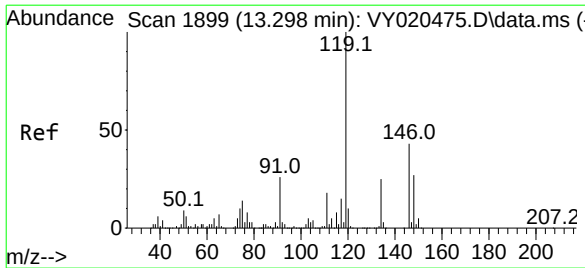
Tgt Ion:105 Resp: 44272

Ion Ratio Lower Upper

105 100

134 22.9 9.8 29.5





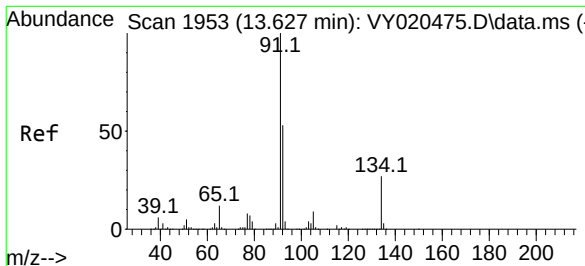
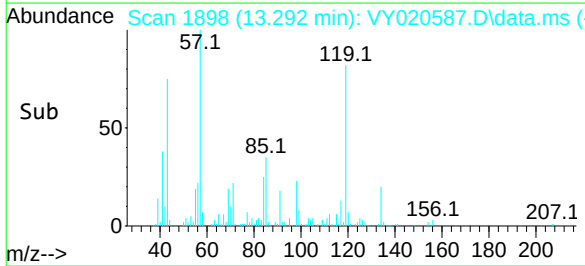
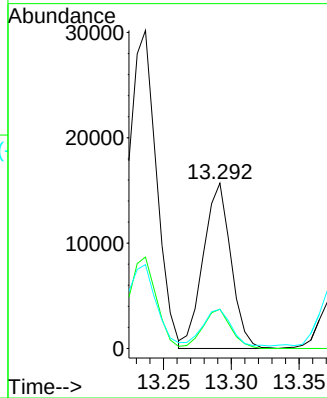
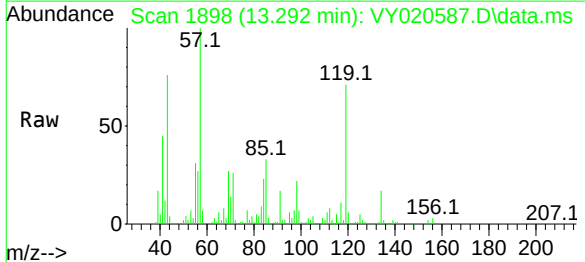
#86
p-Isopropyltoluene
Concen: 7.864 ug/l
RT: 13.292 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-121024

Tgt Ion:	119	Resp:	22291
Ion Ratio	Lower	Upper	
119	100		
134	24.0	12.8	38.4
91	22.6	12.3	36.8

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



#89
n-Butylbenzene
Concen: 13.376 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. -0.012 min
Lab File: VY020587.D
Acq: 11 Dec 2024 15:24

Tgt Ion:	91	Resp:	35165
Ion Ratio	Lower	Upper	
91	100		
92	58.1	26.5	79.5
134	0.0	12.2	36.4#

