

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022447.D
 Acq On : 28 May 2025 13:28
 Operator : SY/MD
 Sample : Q2136-02
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-646-VOC-52

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

Quant Time: May 29 01:57:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	310837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	560748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	456181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	163532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174323	53.243	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.640	113	168273	51.242	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.480%			
50) Toluene-d8	10.109	98	680207	50.811	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.407	95	178040	43.967	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.940%			
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.109	83	213412	30.809	ug/l	91
40) Benzene	8.085	78	64746	4.176	ug/l	97
52) Toluene	10.176	92	36768	3.796	ug/l	98
67) Ethyl Benzene	11.523	91	1705928	94.452	ug/l	98
68) m/p-Xylenes	11.627	106	386986	56.513	ug/l	100
69) o-Xylene	11.956	106	25776	4.005	ug/l	98
73) Isopropylbenzene	12.255	105	200782	15.600	ug/l	98
78) n-propylbenzene	12.596	91	1055424	68.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	99948	9.939	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	322722	31.890	ug/l	100
85) sec-Butylbenzene	13.176	105	84987	6.307	ug/l #	56
86) p-Isopropyltoluene	13.291	119	13127m	1.167	ug/l	
89) n-Butylbenzene	13.621	91	221691m	21.013	ug/l	

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

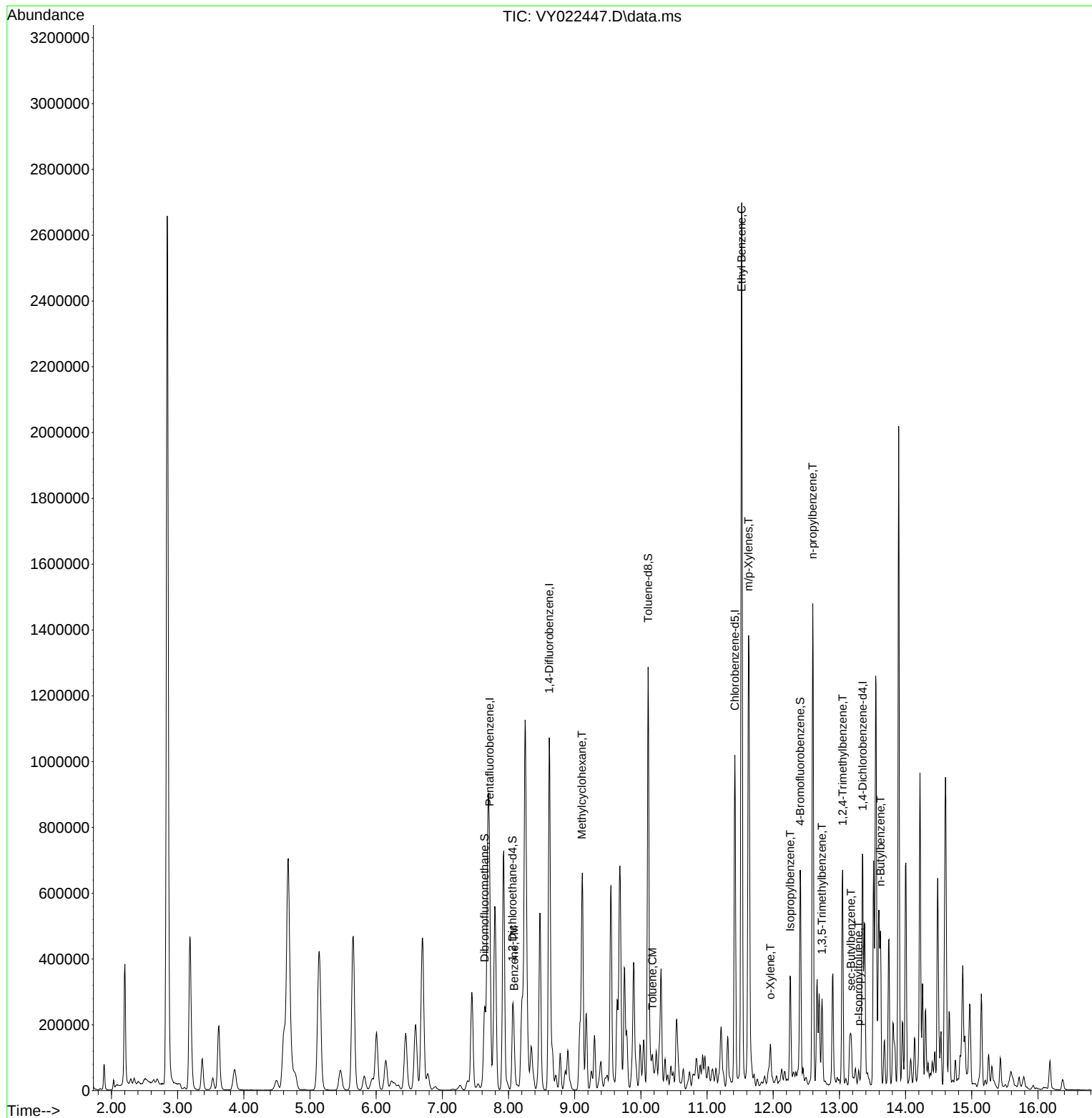
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
Data File : VY022447.D
Acq On : 28 May 2025 13:28
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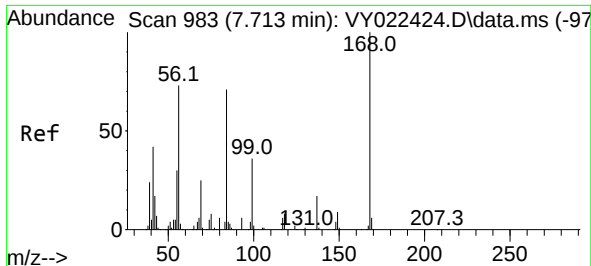
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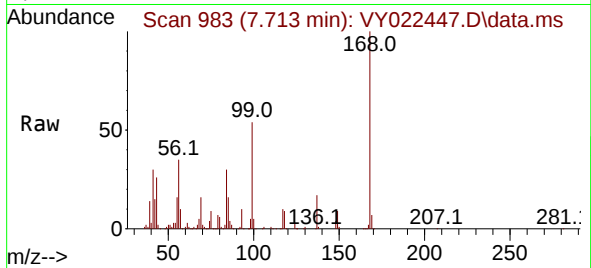
Quant Time: May 29 01:57:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

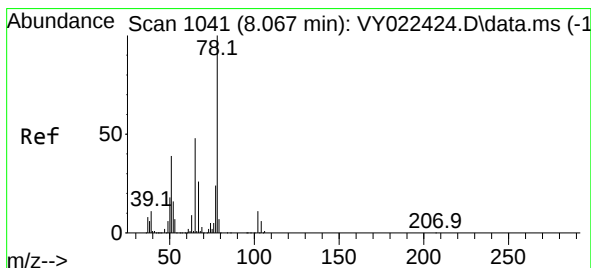
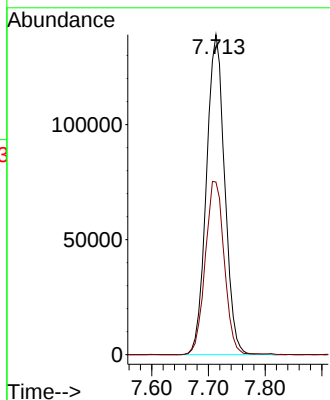
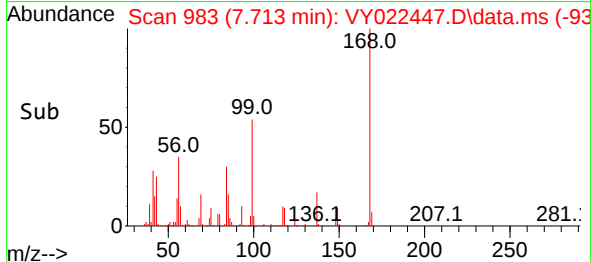
Instrument :
MSVOA_Y
ClientSampleId :
OR-646-VOC-52



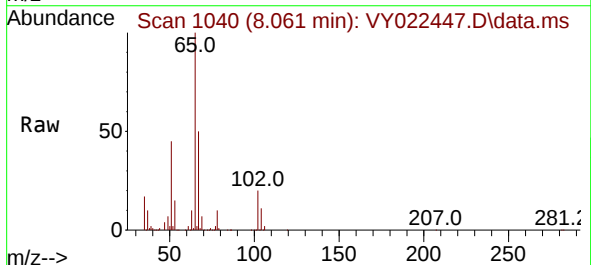
Tgt Ion:168 Resp: 31083
Ion Ratio Lower Upper
168 100
99 53.9 44.7 67.1

Manual Integrations
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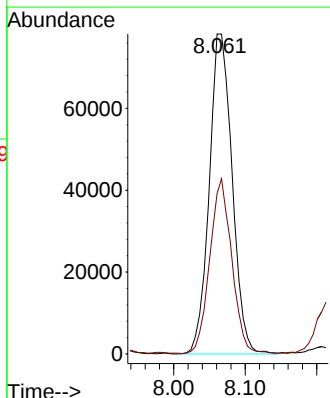
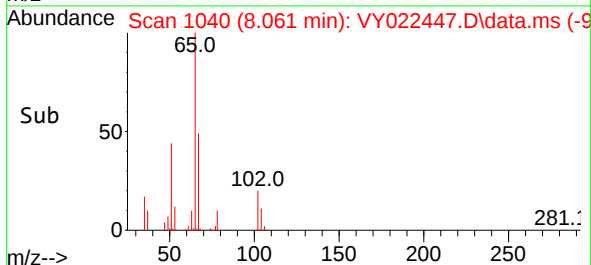
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

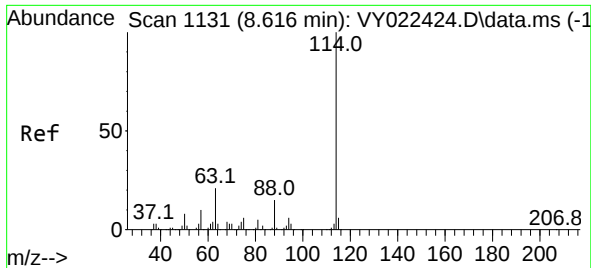


#33
1,2-Dichloroethane-d4
Concen: 53.243 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28



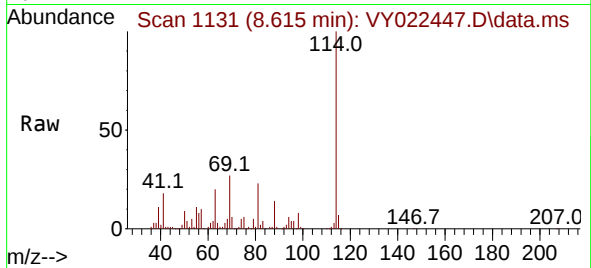
Tgt Ion: 65 Resp: 174323
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

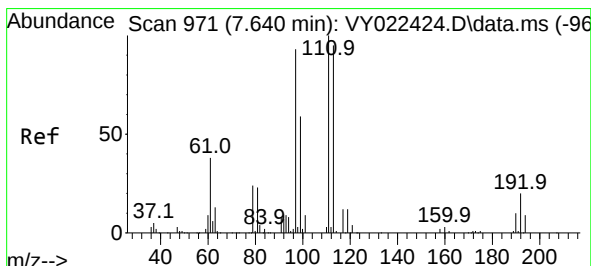
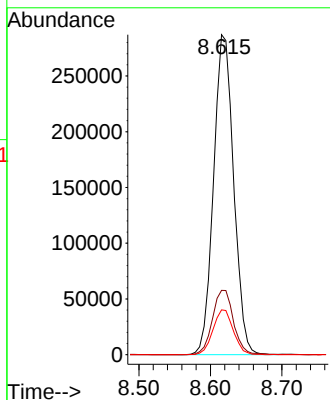
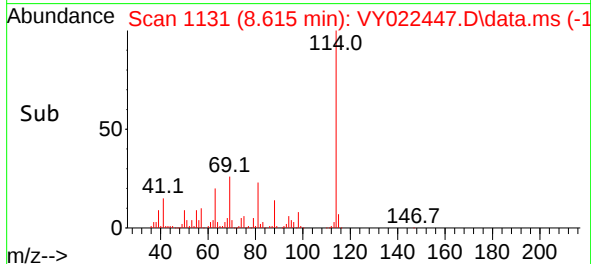
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Tgt Ion:114 Resp: 560748
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.6
88 14.0 0.0 29.4

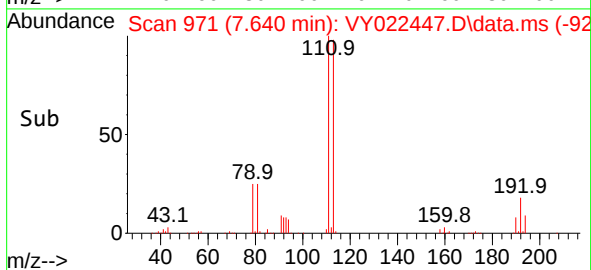
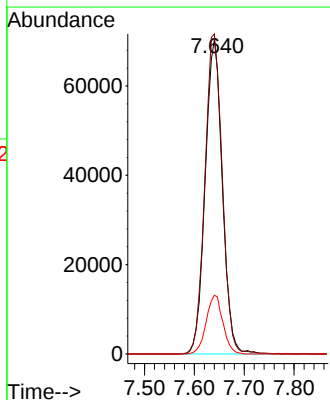
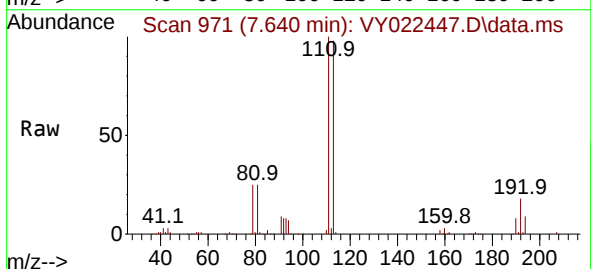
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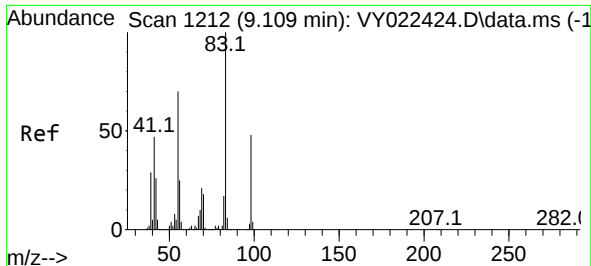
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#35
Dibromofluoromethane
Concen: 51.242 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

Tgt Ion:113 Resp: 168273
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 18.2 15.2 22.8





#39

Methylcyclohexane

Concen: 30.809 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022447.D

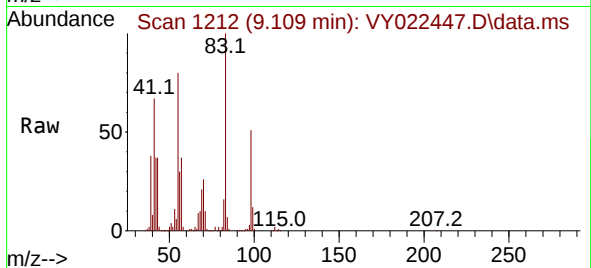
Acq: 28 May 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

OR-646-VOC-52

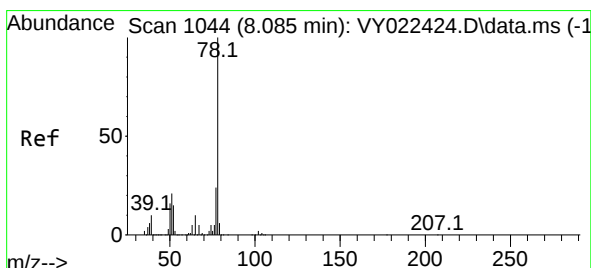
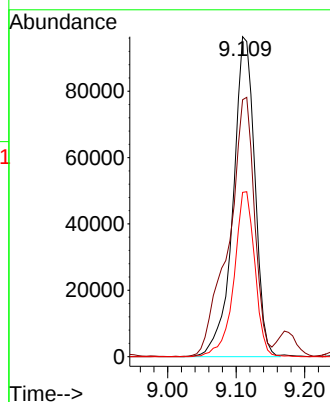
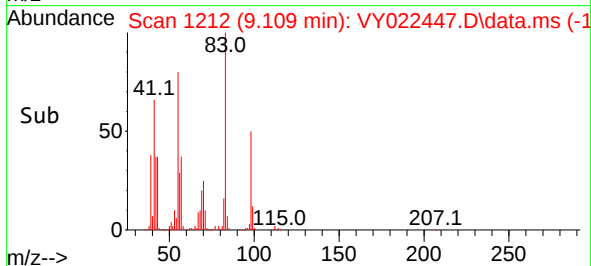


Tgt Ion:	83	Resp:	21341
Ion Ratio	Lower	Upper	
83	100		
55	80.2	56.2	84.2
98	51.3	38.4	57.6

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#40

Benzene

Concen: 4.176 ug/l

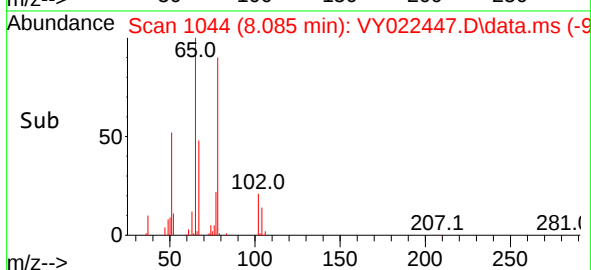
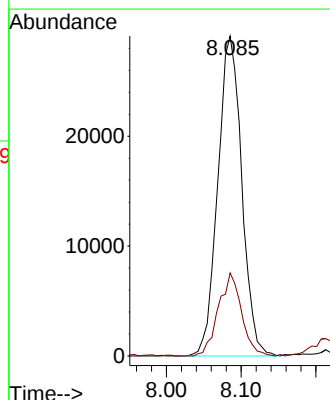
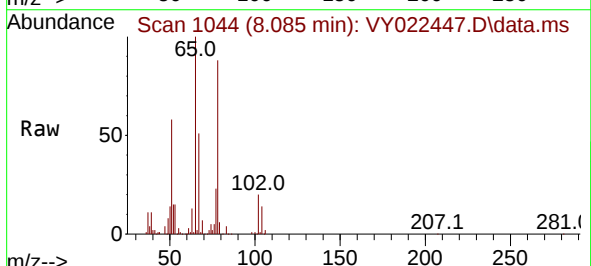
RT: 8.085 min Scan# 1044

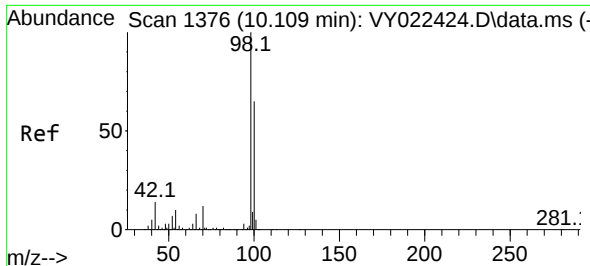
Delta R.T. -0.000 min

Lab File: VY022447.D

Acq: 28 May 2025 13:28

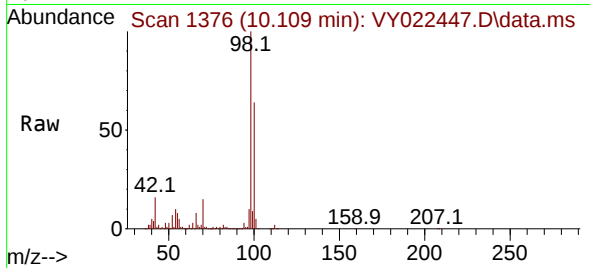
Tgt Ion:	78	Resp:	64746
Ion Ratio	Lower	Upper	
78	100		
77	25.9	19.4	29.2





#50
Toluene-d8
Concen: 50.811 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

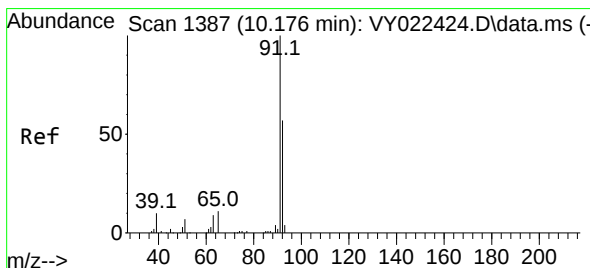
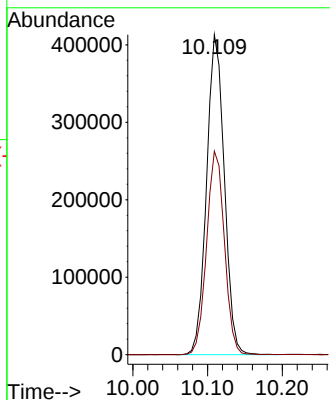
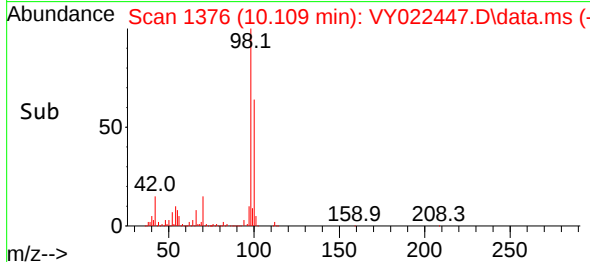
Instrument :
MSVOA_Y
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OR-646-VOC-52



Tgt Ion: 98 Resp: 68020
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2

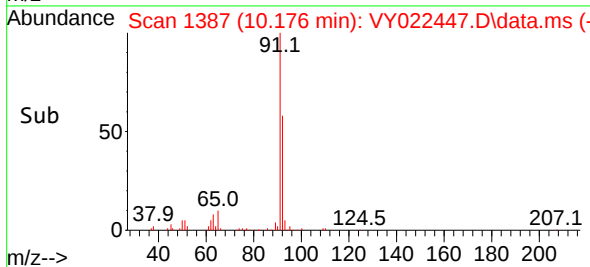
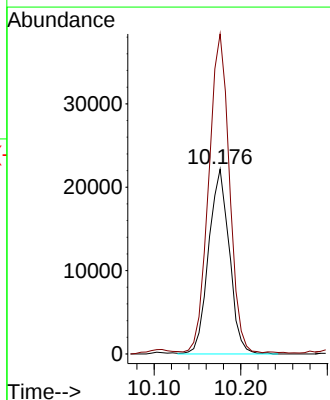
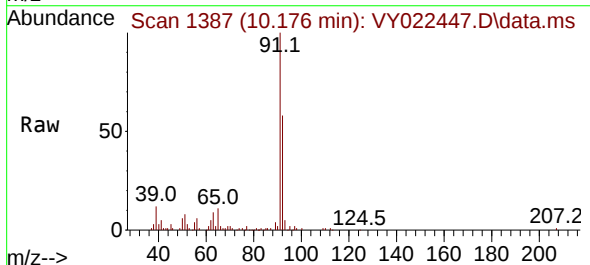
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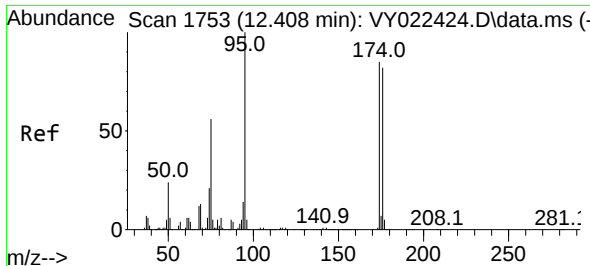
Reviewed By :Mahesh Dadoda 05/29/2025
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#52
Toluene
Concen: 3.796 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

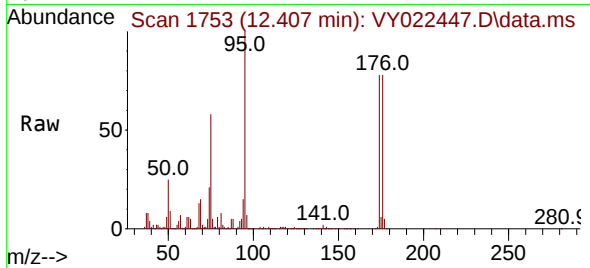
Tgt Ion: 92 Resp: 36768
Ion Ratio Lower Upper
92 100
91 172.4 139.8 209.6





#62
4-Bromofluorobenzene
Concen: 43.967 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

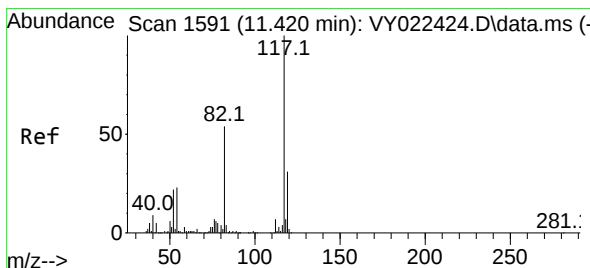
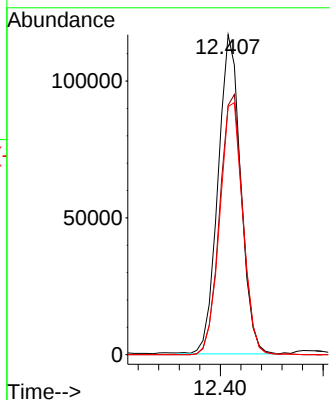
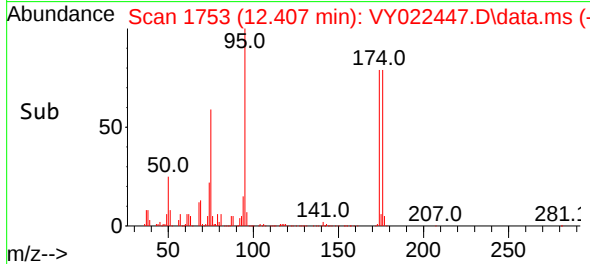
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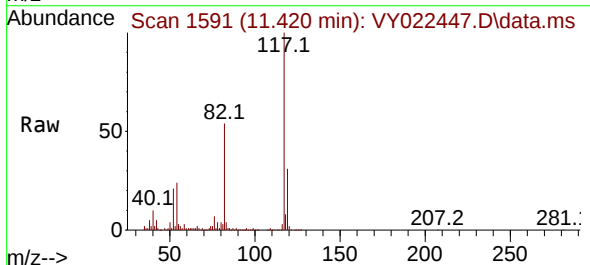
Tgt Ion: 95 Resp: 178040
Ion Ratio Lower Upper
95 100
174 83.2 0.0 171.6
176 80.8 0.0 164.6

Manual Integrations
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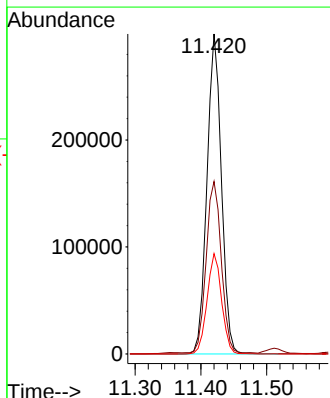
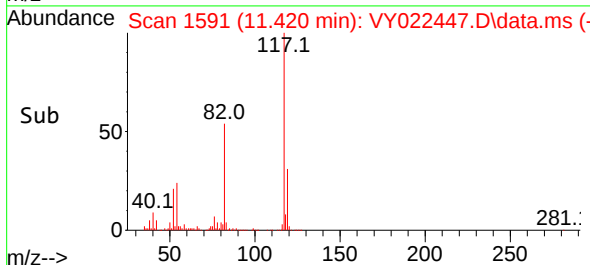
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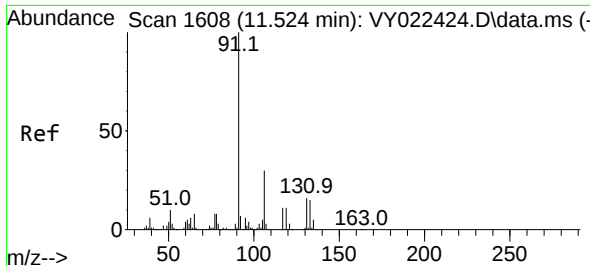


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28



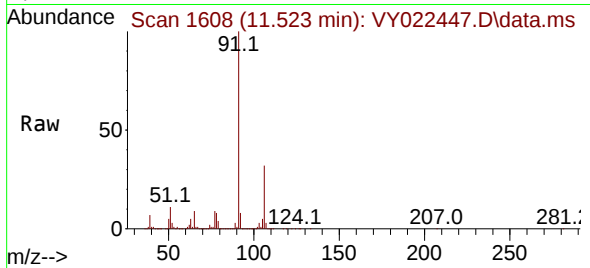
Tgt Ion:117 Resp: 456181
Ion Ratio Lower Upper
117 100
82 53.5 43.3 64.9
119 31.4 24.5 36.7





#67
Ethyl Benzene
Concen: 94.452 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

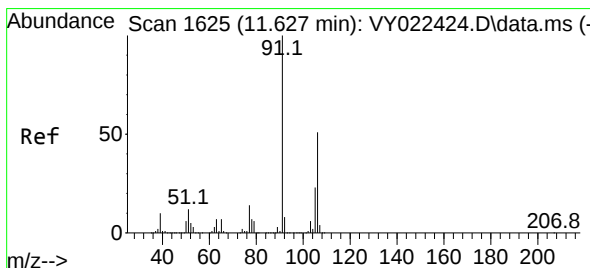
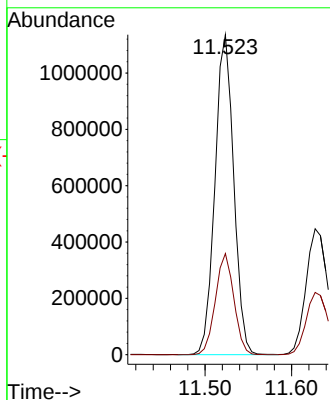
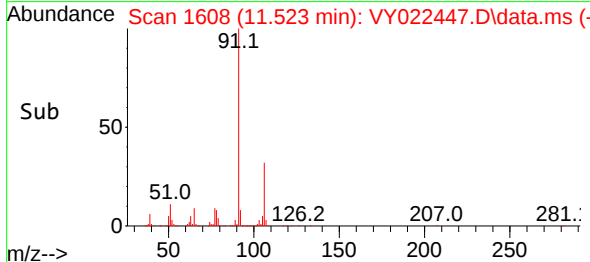
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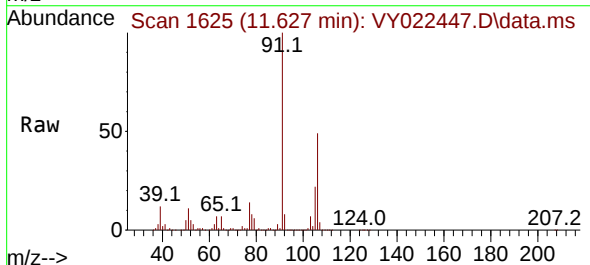
Tgt Ion: 91 Resp: 1705928
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

Manual Integrations
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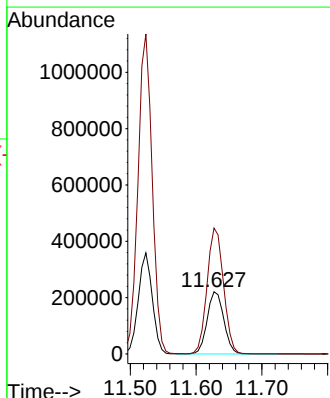
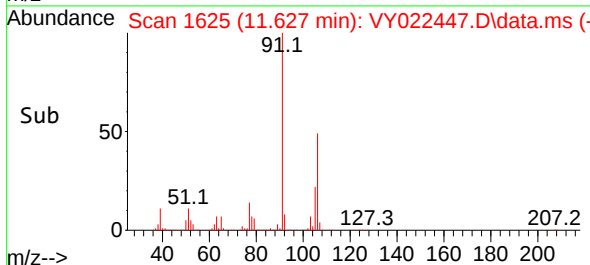
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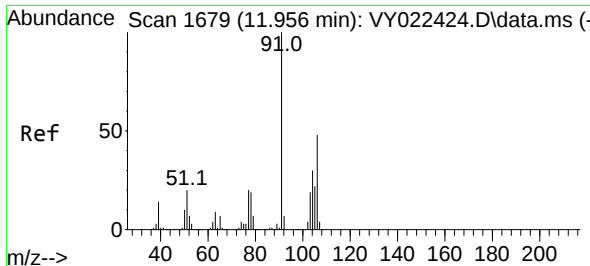


#68
m/p-Xylenes
Concen: 56.513 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28



Tgt Ion:106 Resp: 386986
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.8





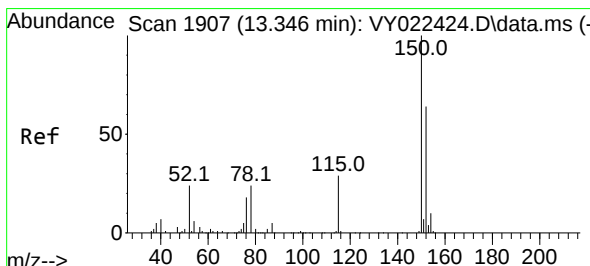
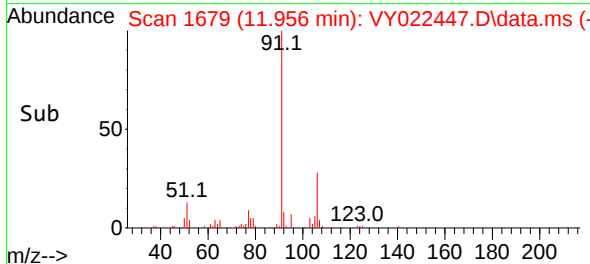
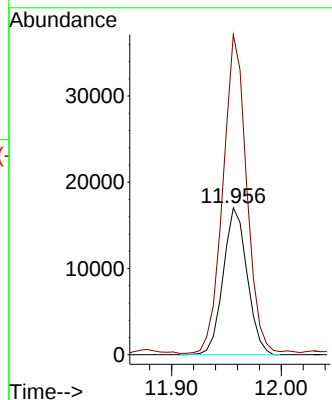
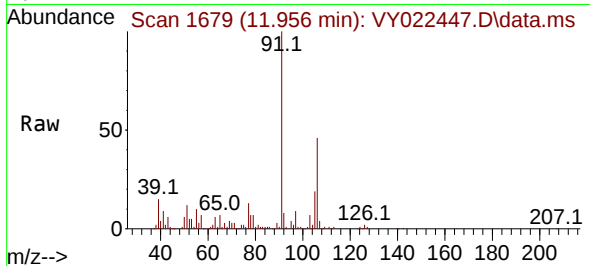
#69
o-Xylene
Concen: 4.005 ug/l
RT: 11.956 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

Instrument :
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Tgt Ion:106 Resp: 25770
Ion Ratio Lower Upper
106 100
91 215.5 106.3 318.9

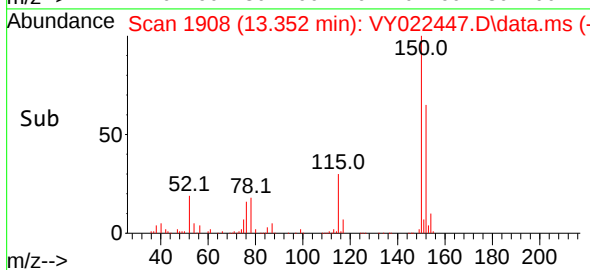
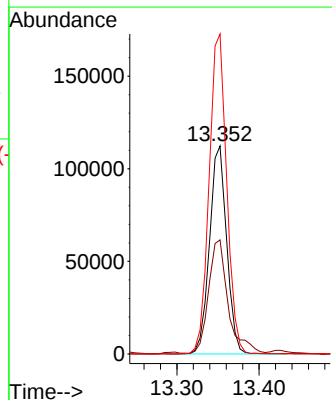
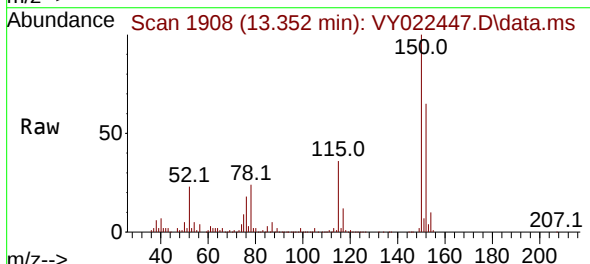
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APPROVED

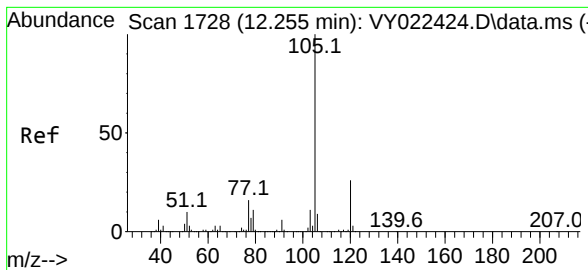
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

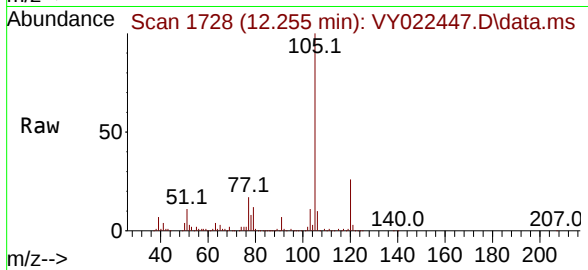
Tgt Ion:152 Resp: 163532
Ion Ratio Lower Upper
152 100
115 62.1 28.4 85.3
150 157.3 0.0 345.8





#73
Isopropylbenzene
Concen: 15.600 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28

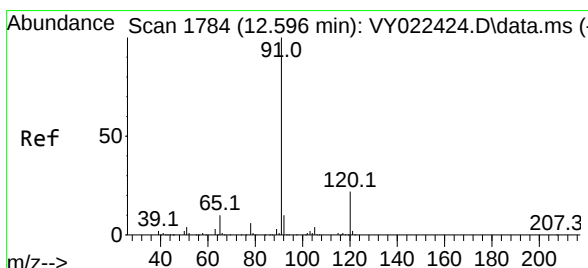
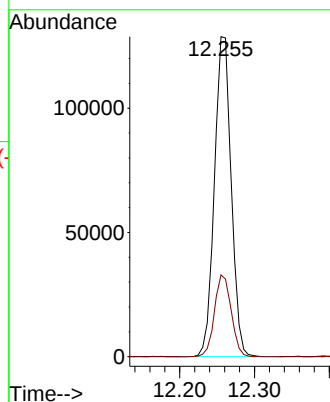
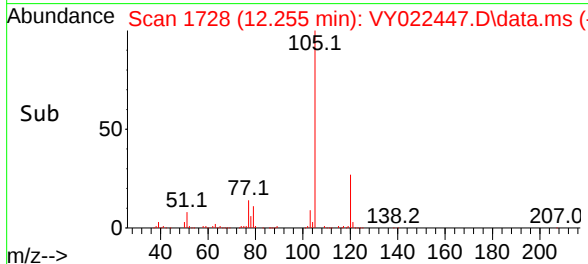
Instrument :
MSVOA_Y
ClientSampleId :
OR-646-VOC-52



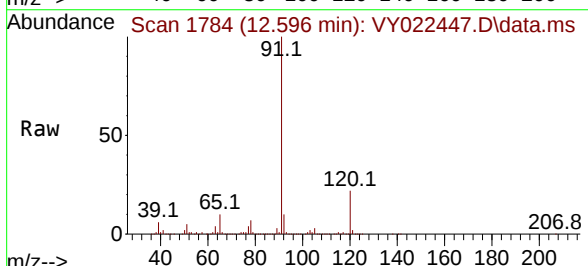
Tgt Ion:105 Resp: 200782
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5

Manual Integrations
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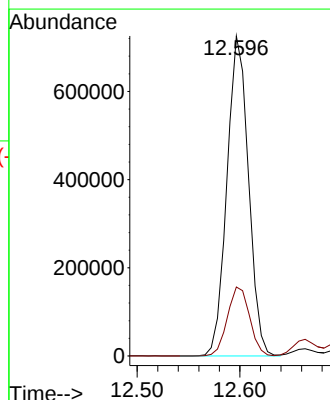
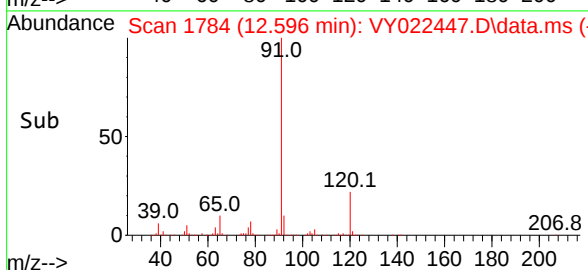
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

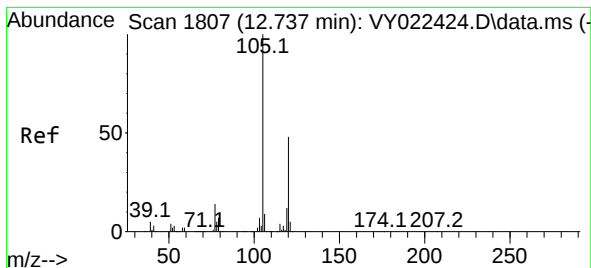


#78
n-propylbenzene
Concen: 68.331 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022447.D
Acq: 28 May 2025 13:28



Tgt Ion: 91 Resp: 1055424
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 9.939 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022447.D

Acq: 28 May 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

OR-646-VOC-52

Tgt Ion:105 Resp: 99948

Ion Ratio Lower Upper

105 100

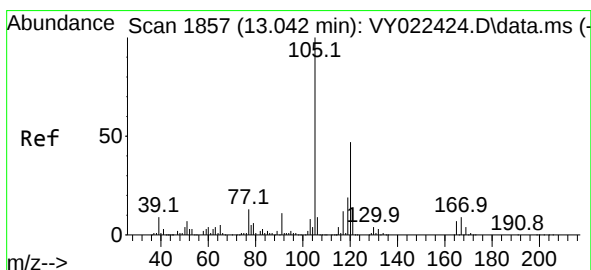
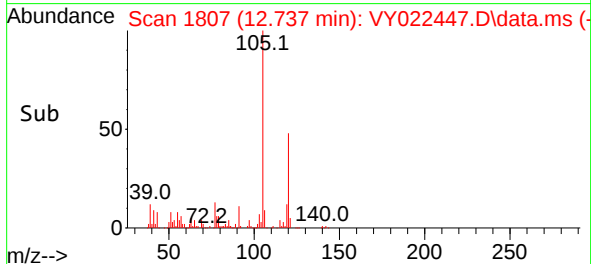
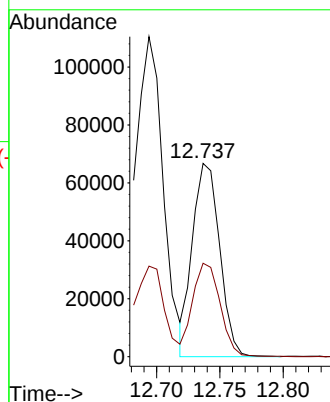
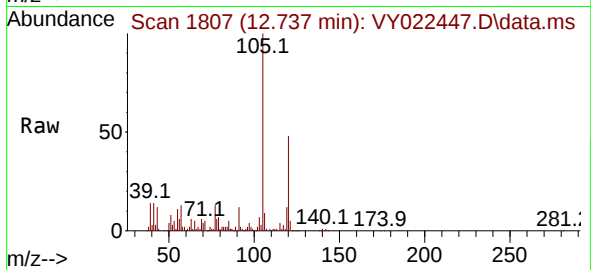
120 48.8 24.3 73.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 31.890 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY022447.D

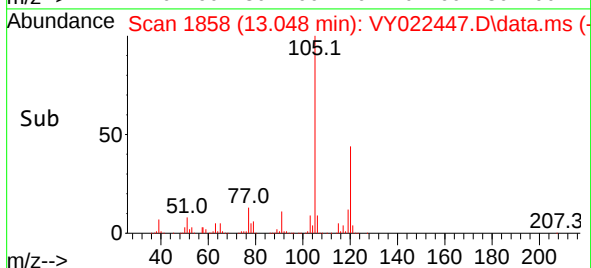
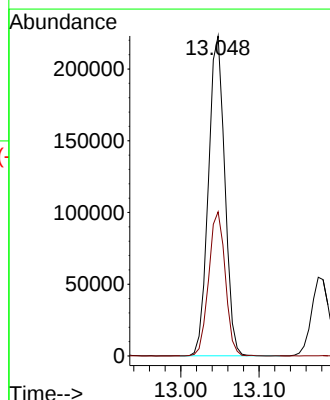
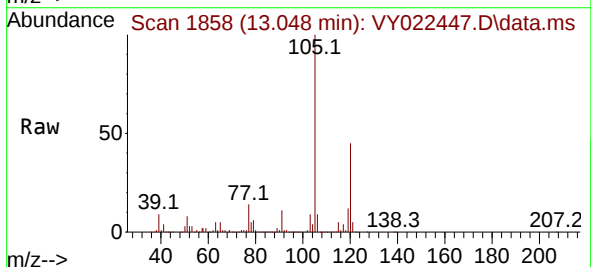
Acq: 28 May 2025 13:28

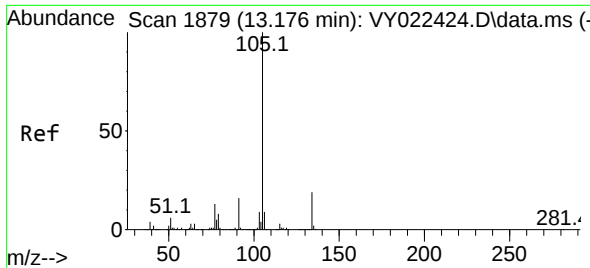
Tgt Ion:105 Resp: 322722

Ion Ratio Lower Upper

105 100

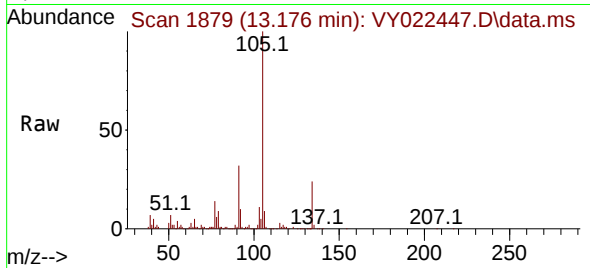
120 45.7 22.9 68.5





#85
 sec-Butylbenzene
 Concen: 6.307 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022447.D
 Acq: 28 May 2025 13:28

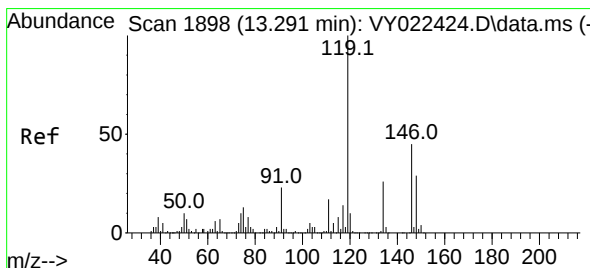
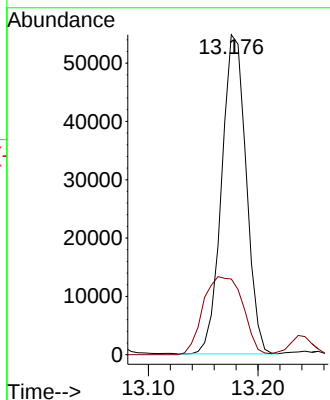
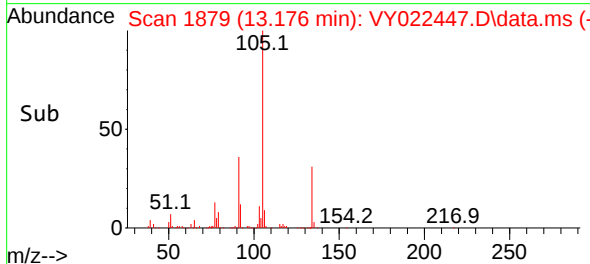
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-646-VOC-52



Tgt Ion:105 Resp: 8498
 Ion Ratio Lower Upper
 105 100
 134 39.5 9.7 29.1

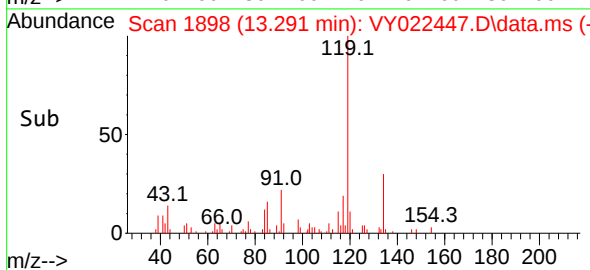
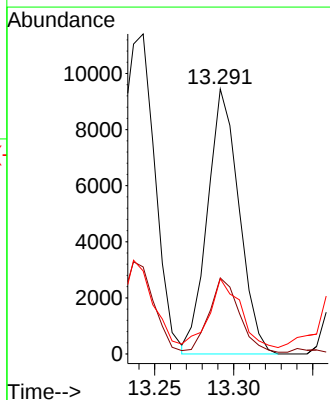
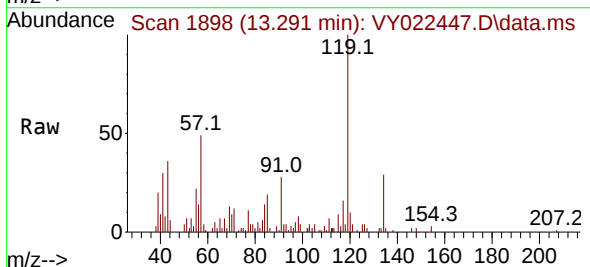
Manual Integrations
 APPROVED

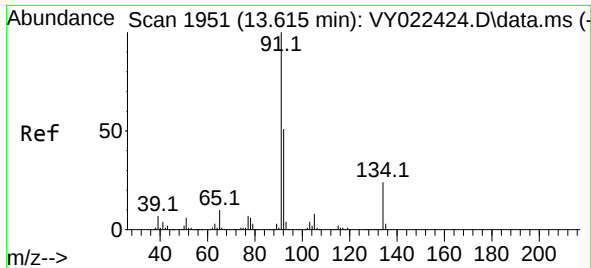
Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025



#86
 p-Isopropyltoluene
 Concen: 1.167 ug/l m
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022447.D
 Acq: 28 May 2025 13:28

Tgt Ion:119 Resp: 13127
 Ion Ratio Lower Upper
 119 100
 134 35.6 13.0 39.0
 91 31.9 11.6 34.8





#89

n-Butylbenzene

Concen: 21.013 ug/l m

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY022447.D

Acq: 28 May 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

OR-646-VOC-52

Tgt Ion: 91 Resp: 22169

Ion Ratio Lower Upper

91 100

92 56.1 25.9 77.6

134 0.0 12.4 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025

