

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022764.D
 Acq On : 20 Jun 2025 14:58
 Operator : SY/MD
 Sample : Q2388-03
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12-VOC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

Quant Time: Jun 21 02:40:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	94781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	181687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	155033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	56029	52.854	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.700%			
35) Dibromofluoromethane	7.634	113	57014	52.574	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.140%			
50) Toluene-d8	10.109	98	222752	50.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.401	95	61282	46.939	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.880%			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.109	83	2756m	1.165	ug/l	
85) sec-Butylbenzene	13.176	105	26602	4.899	ug/l	87
89) n-Butylbenzene	13.615	91	21413m	5.043	ug/l	

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

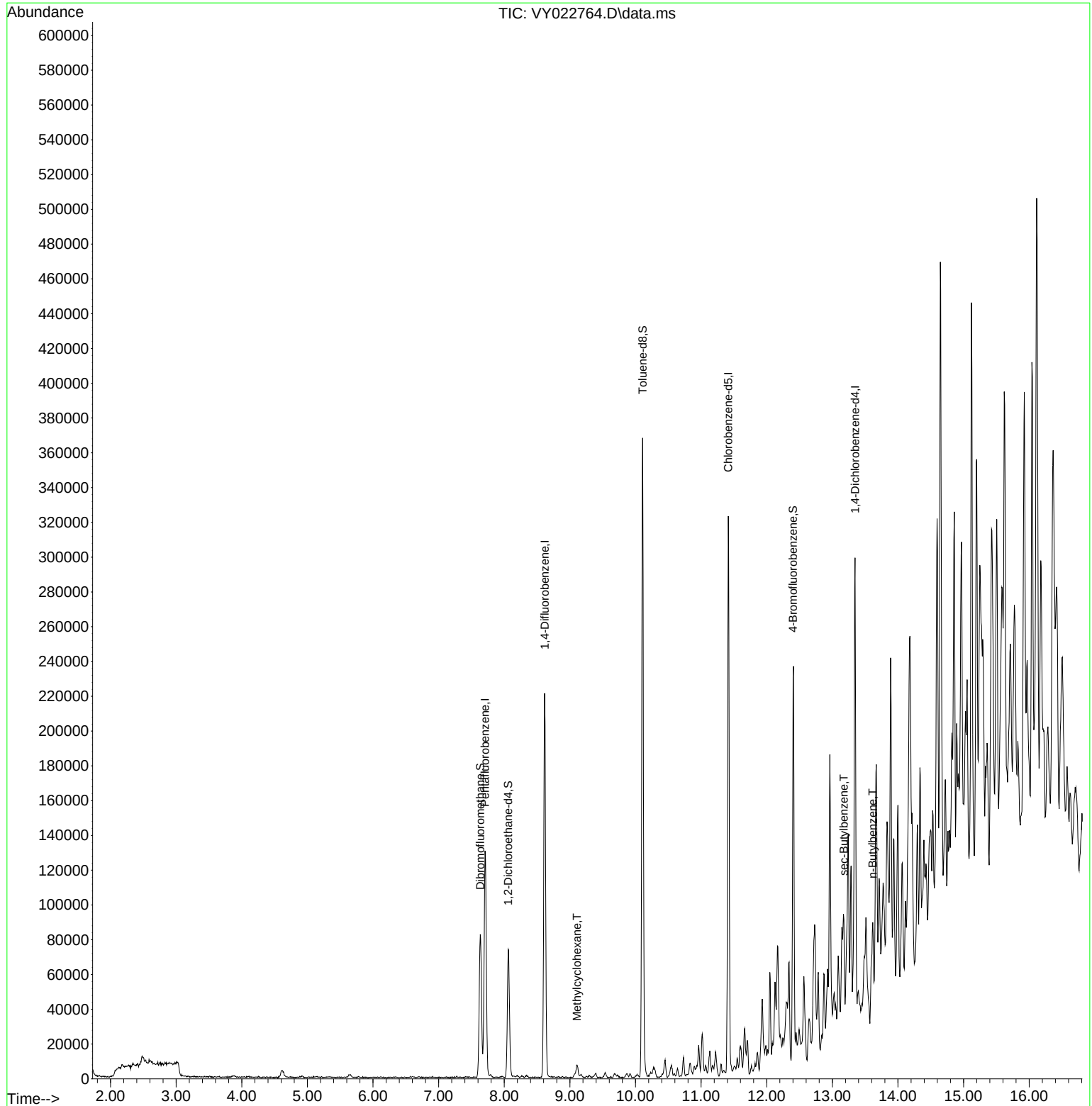
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
Data File : VY022764.D
Acq On : 20 Jun 2025 14:58
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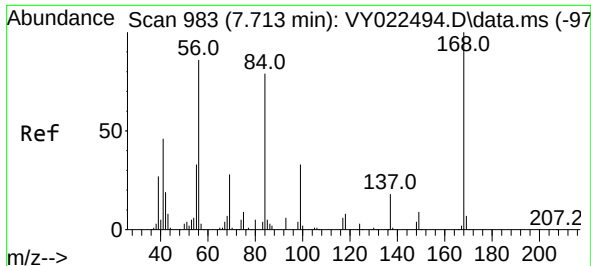
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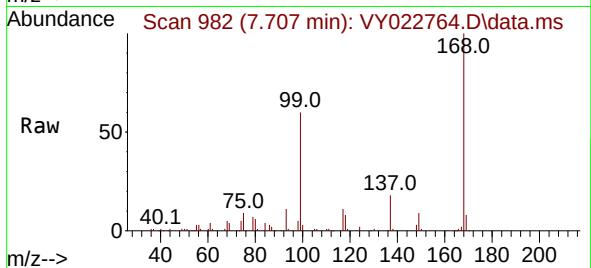
Quant Time: Jun 21 02:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9478
Delta R.T. -0.006 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58

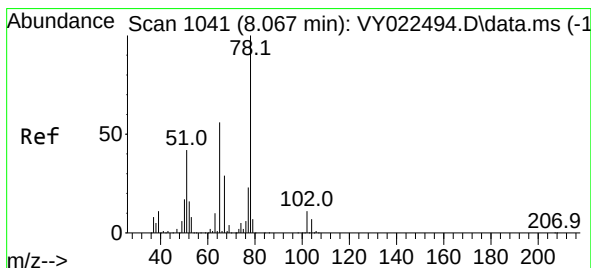
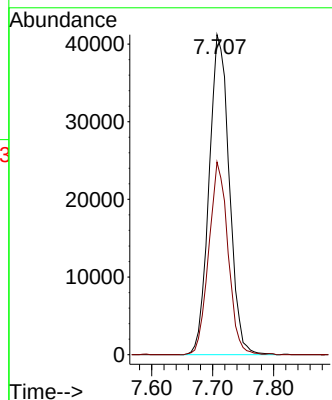
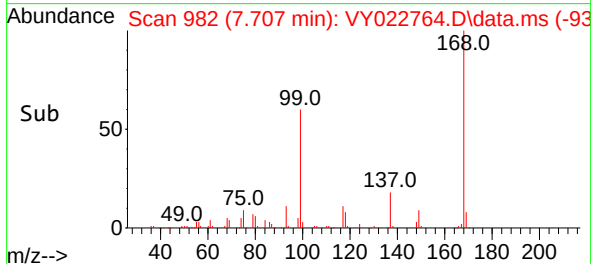
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC



Tgt Ion:168 Resp: 9478
Ion Ratio Lower Upper
168 100
99 60.2 44.3 66.5

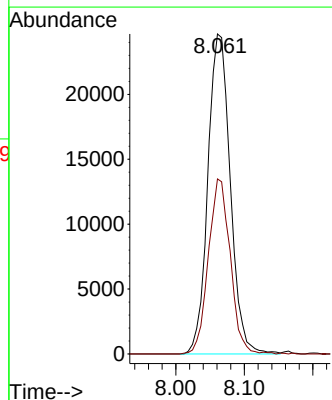
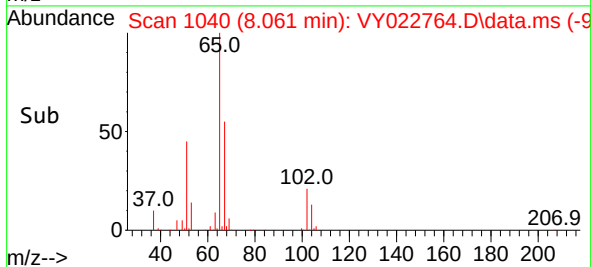
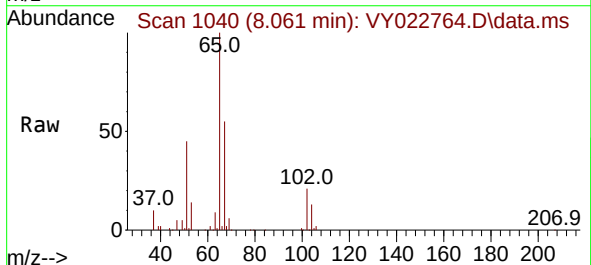
Manual Integrations
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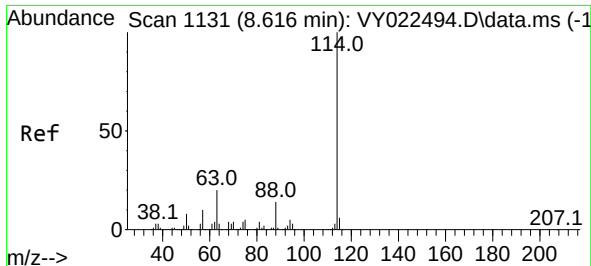
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#33
1,2-Dichloroethane-d4
Concen: 52.854 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58

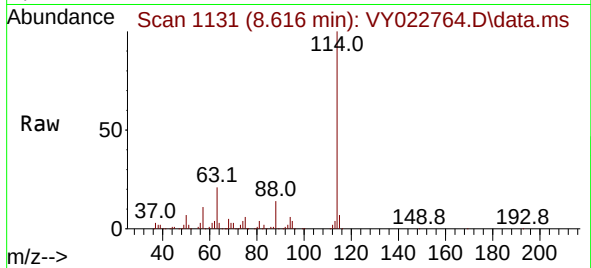
Tgt Ion: 65 Resp: 56029
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58

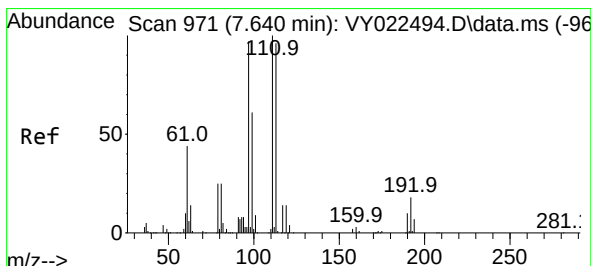
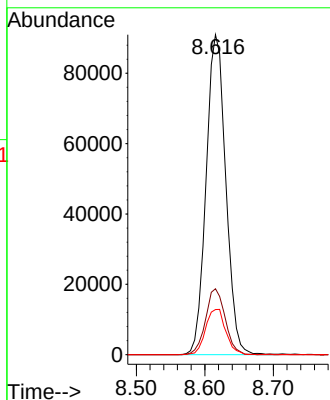
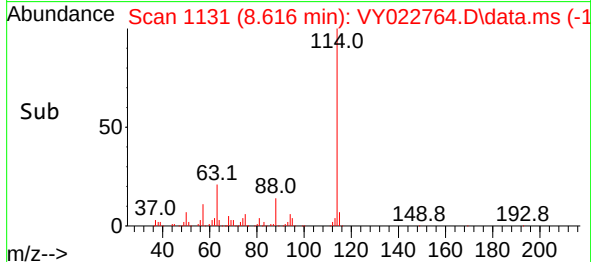
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-VOC



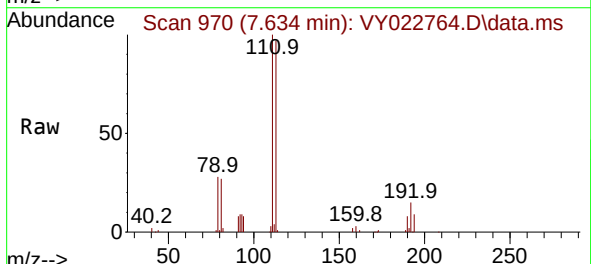
Tgt Ion:114 Resp: 18168
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 14.1 0.0 27.8

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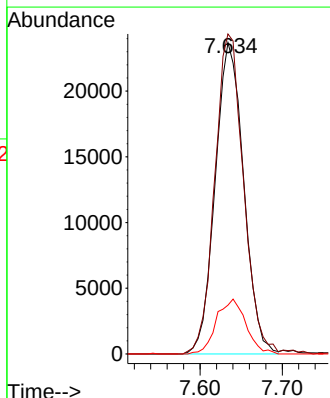
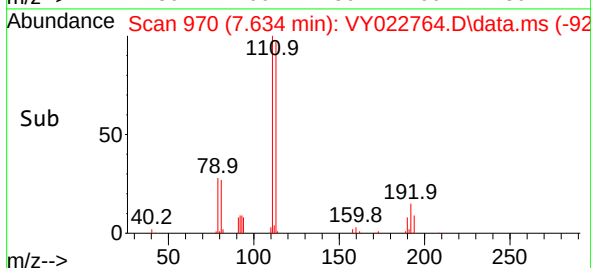
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Supervised By :Semsettin Yesilyurt 06/23/2025

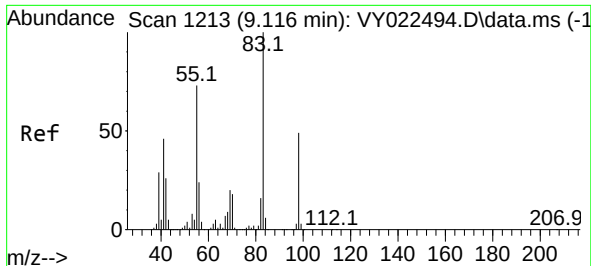


#35
Dibromofluoromethane
Concen: 52.574 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58



Tgt Ion:113 Resp: 57014
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.2 14.2 21.2





#39

Methylcyclohexane

Concen: 1.165 ug/l m

RT: 9.109 min Scan# 1213

Delta R.T. -0.006 min

Lab File: VY022764.D

Acq: 20 Jun 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

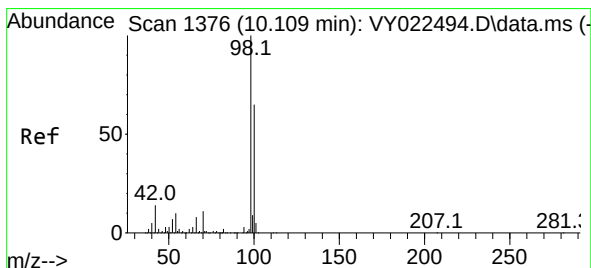
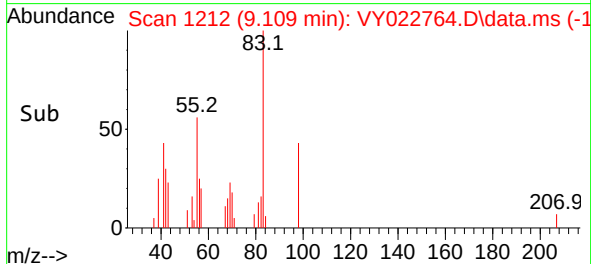
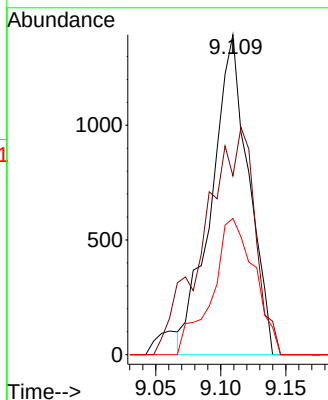
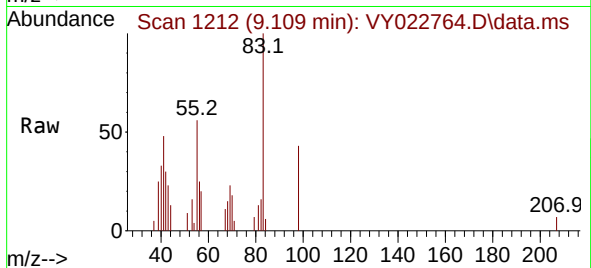
TP-12-VOC

Tgt Ion: 83	Resp: 2750
Ion Ratio	Lower Upper
83 100	
55 55.8	58.1 87.1
98 42.6	39.0 58.6

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#50

Toluene-d8

Concen: 50.835 ug/l

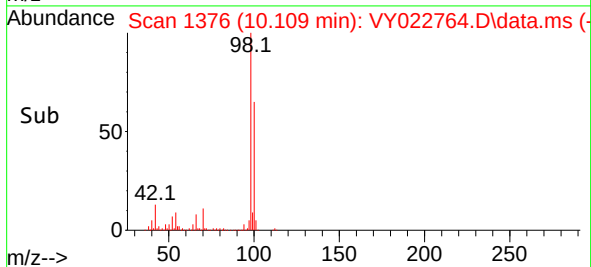
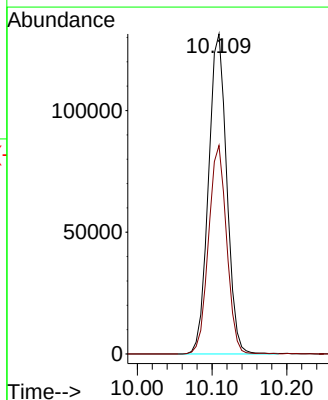
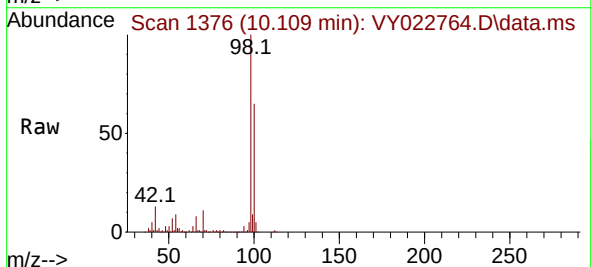
RT: 10.109 min Scan# 1376

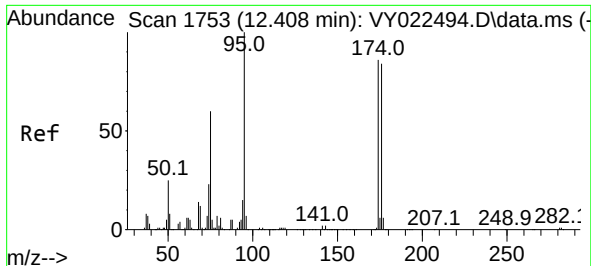
Delta R.T. -0.000 min

Lab File: VY022764.D

Acq: 20 Jun 2025 14:58

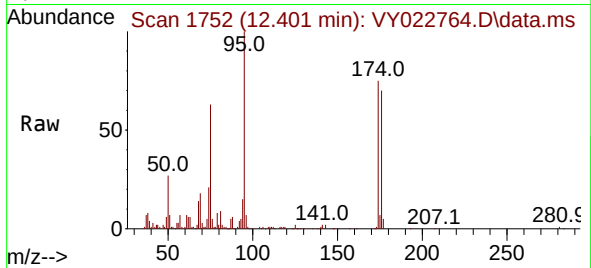
Tgt Ion: 98	Resp: 222752
Ion Ratio	Lower Upper
98 100	
100 64.3	51.4 77.0





#62
4-Bromofluorobenzene
Concen: 46.939 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58

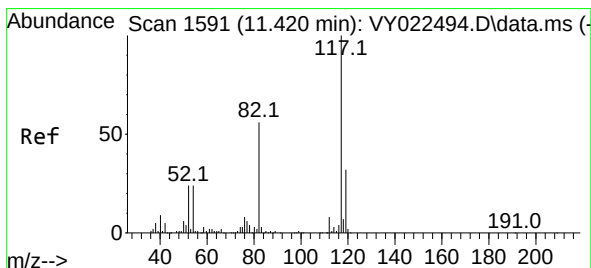
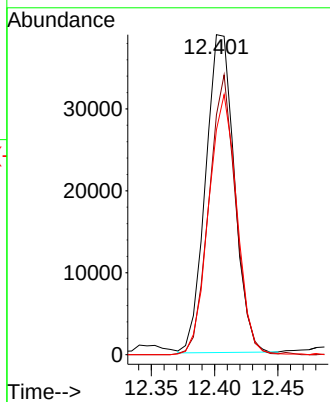
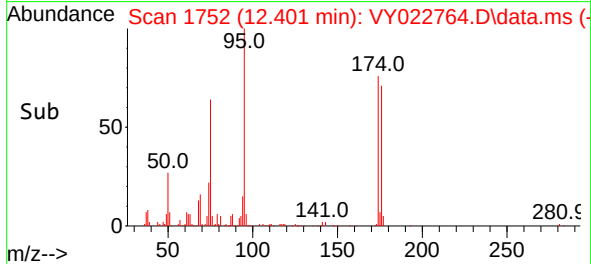
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Tgt Ion: 95 Resp: 6128
Ion Ratio Lower Upper
95 100
174 81.9 0.0 170.0
176 80.6 0.0 166.2

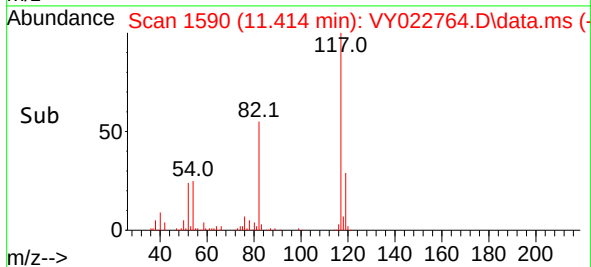
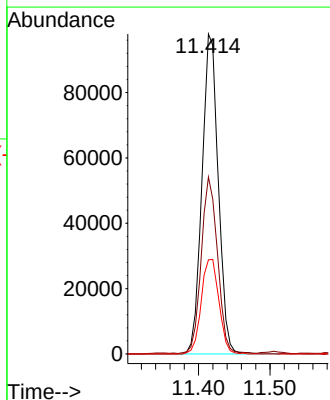
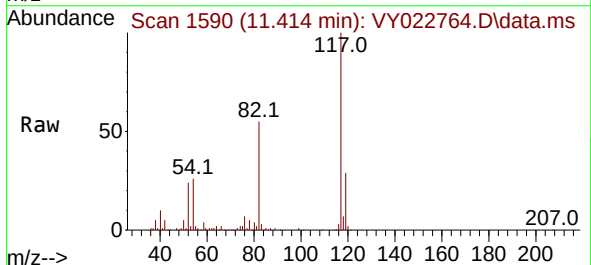
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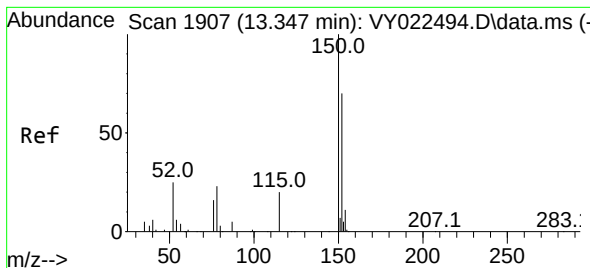
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022764.D
Acq: 20 Jun 2025 14:58

Tgt Ion:117 Resp: 155033
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 29.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022764.D

Acq: 20 Jun 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

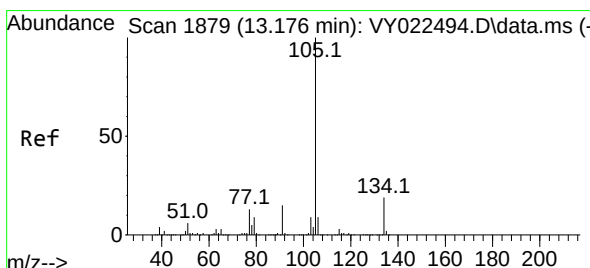
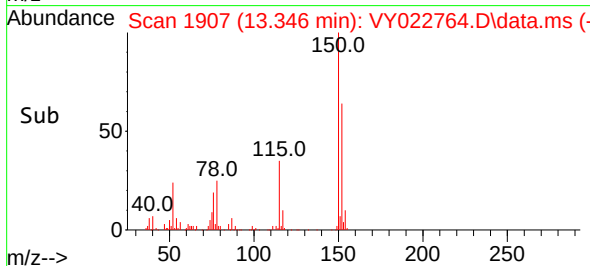
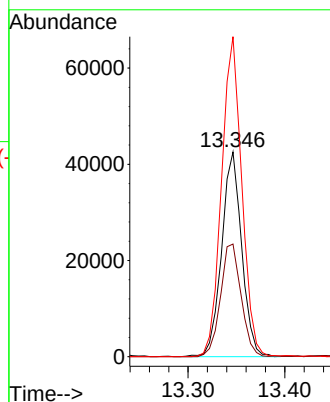
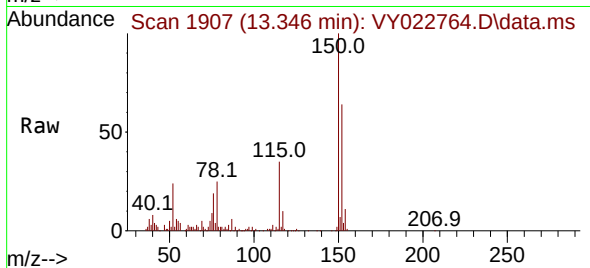
TP-12-VOC

Tgt Ion:152 Resp: 61280
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.9 86.7
 150 158.0 0.0 349.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 4.899 ug/l

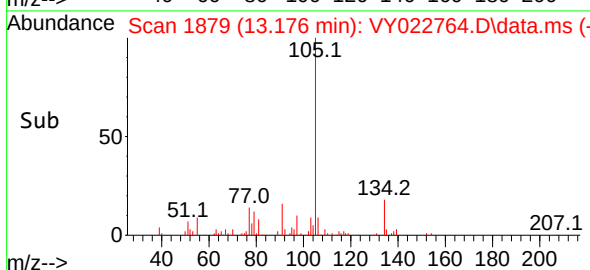
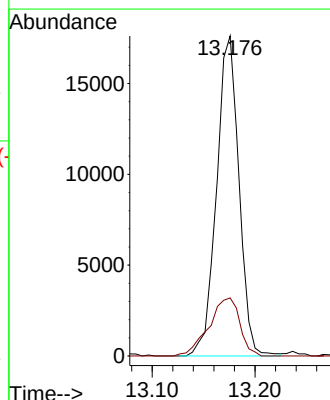
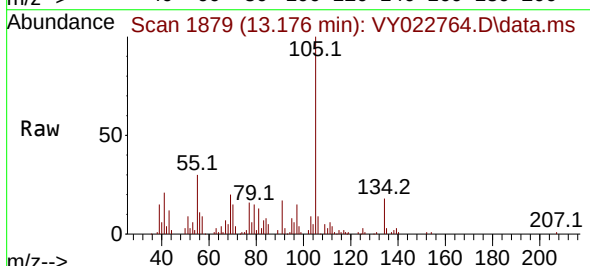
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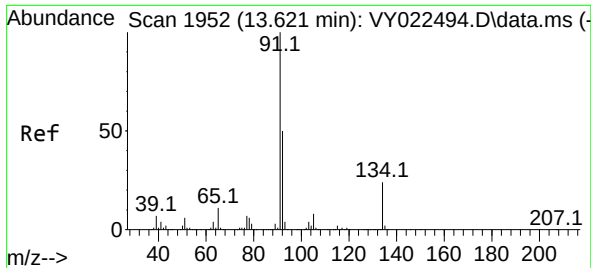
Delta R.T. -0.000 min

Lab File: VY022764.D

Acq: 20 Jun 2025 14:58

Tgt Ion:105 Resp: 26602
 Ion Ratio Lower Upper
 105 100
 134 25.0 9.7 28.9





#89
 n-Butylbenzene
 Concen: 5.043 ug/l m
 RT: 13.615 min Scan# 1951
 Delta R.T. -0.006 min
 Lab File: VY022764.D
 Acq: 20 Jun 2025 14:58

Instrument :
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 ClientSampleId :
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Tgt Ion: 91	Resp: 2141
Ion Ratio	Lower Upper
91	100
92	59.7 25.9 77.8
134	42.1 12.0 36.1

Manual Integrations
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