

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021802.D
 Acq On : 07 Apr 2025 16:42
 Operator : SY/MD
 Sample : Q1737-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3069

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:35:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	107704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	172198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	137773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	53816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57767	49.503	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.634	113	52383	46.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.800%		
50) Toluene-d8	10.103	98	201437	47.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.800%		
62) 4-Bromofluorobenzene	12.408	95	57904	40.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.560%		
Target Compounds					Qvalue	
25) 2-Butanone	6.939	43	4184m	12.266	ug/l	
40) Benzene	8.073	78	15683	3.078	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	7948	10.037	ug/l	99
52) Toluene	10.170	92	6603	2.077	ug/l	98
73) Isopropylbenzene	12.255	105	87666	21.932	ug/l	99
85) sec-Butylbenzene	13.176	105	7897	1.857	ug/l #	74
89) n-Butylbenzene	13.621	91	8293	2.551	ug/l #	88

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

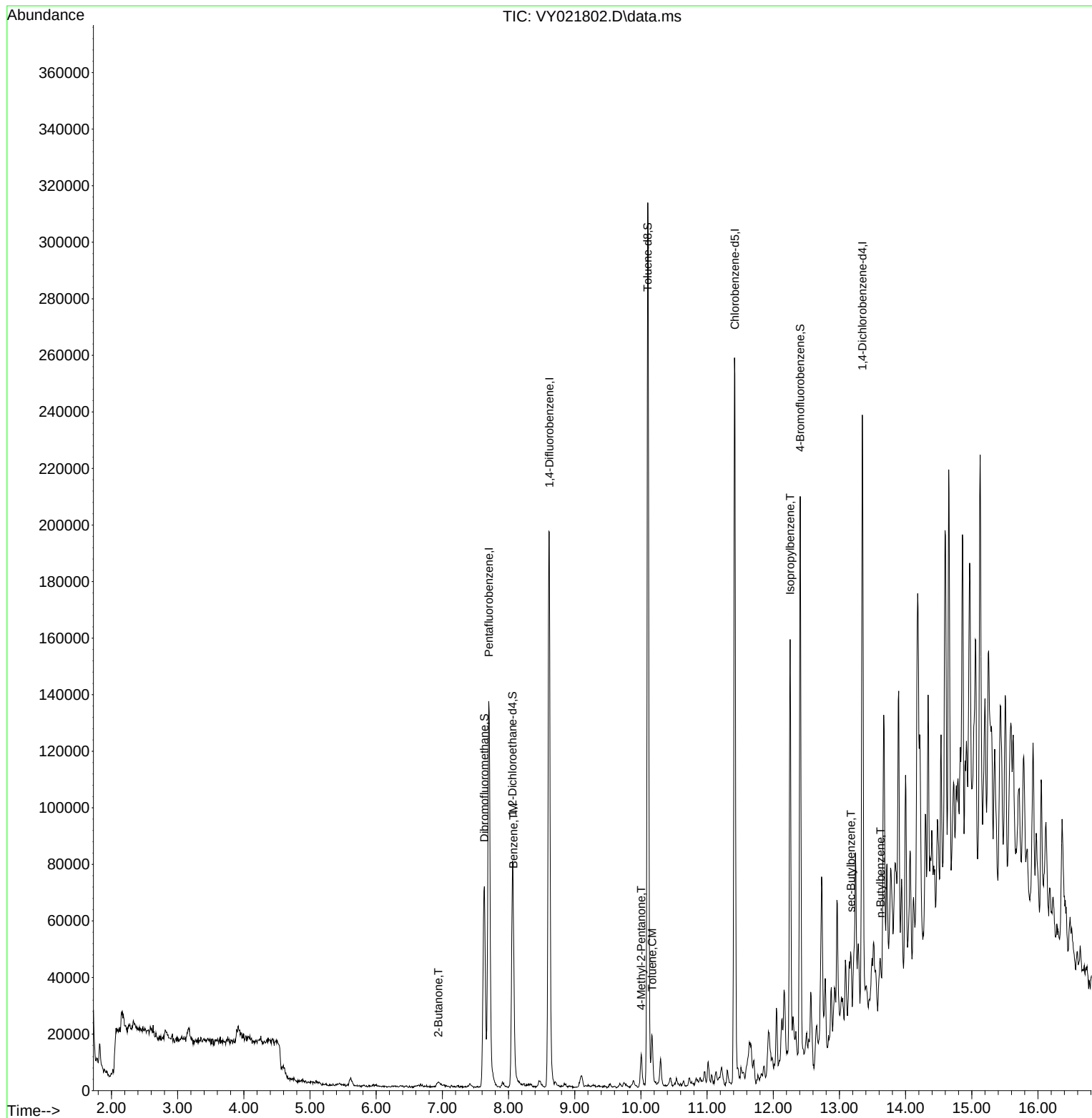
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
Data File : VY021802.D
Acq On : 07 Apr 2025 16:42
Operator : SY/MD
Sample : Q1737-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

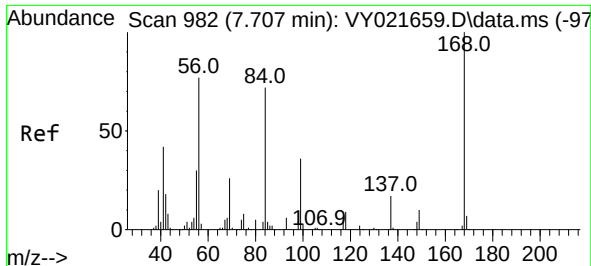
Instrument :
MSVOA_Y
ClientSampleId :
RT3069

Quant Time: Apr 08 03:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
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QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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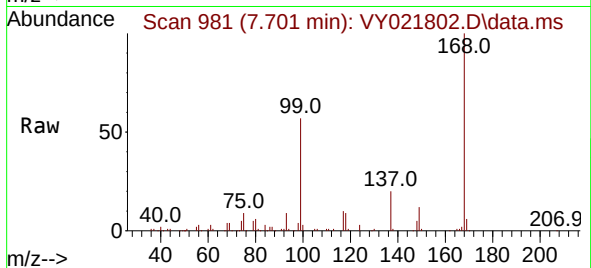
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

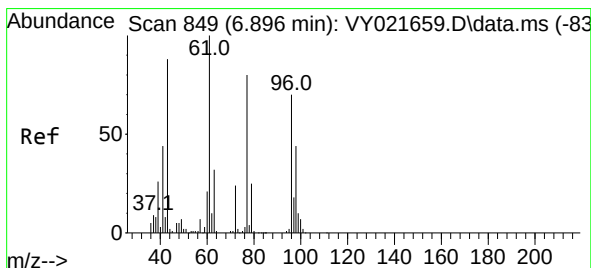
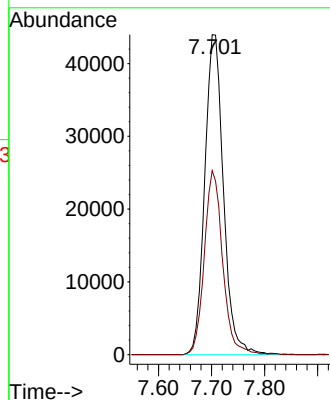
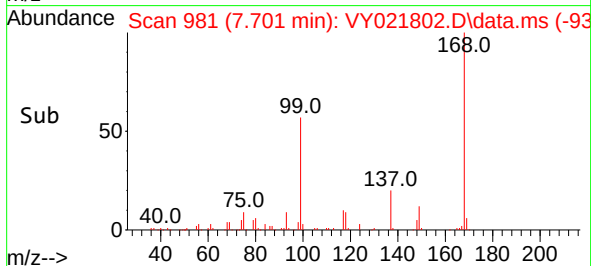
Instrument :
MSVOA_Y
ClientSampleId :
RT3069



Tgt Ion:168 Resp: 107704
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1

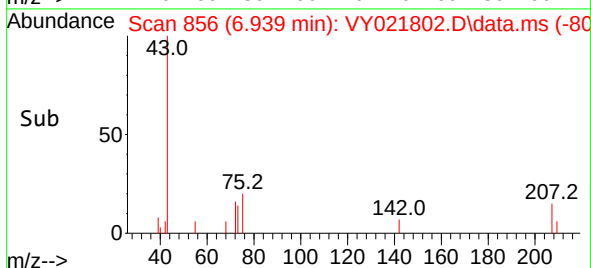
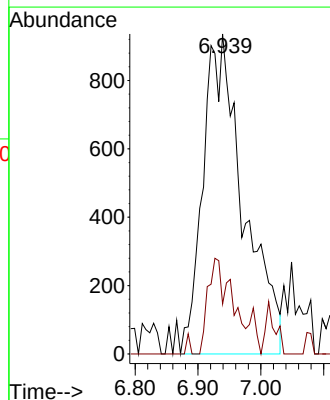
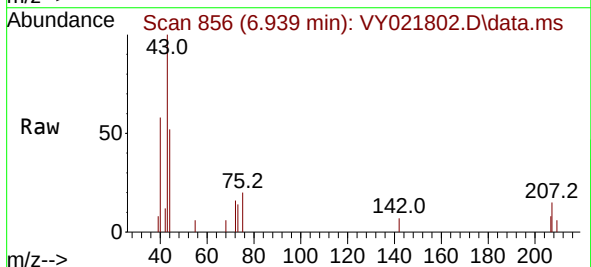
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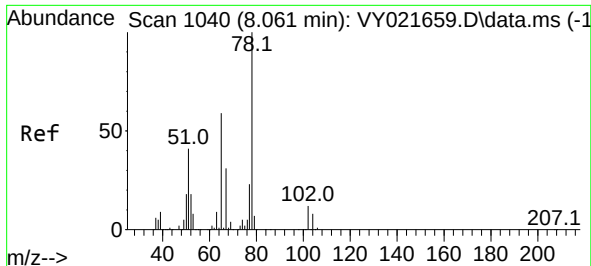
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#25
2-Butanone
Concen: 12.266 ug/l m
RT: 6.939 min Scan# 856
Delta R.T. 0.043 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

Tgt Ion: 43 Resp: 4184
Ion Ratio Lower Upper
43 100
72 15.6 21.4 32.2#





#33

1,2-Dichloroethane-d4

Concen: 49.503 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021802.D

Acq: 07 Apr 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

RT3069

Tgt Ion: 65 Resp: 5776

Ion Ratio Lower Upper

65 100

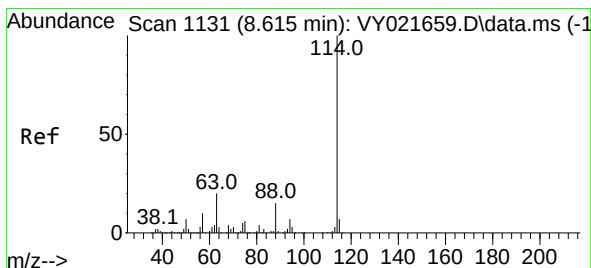
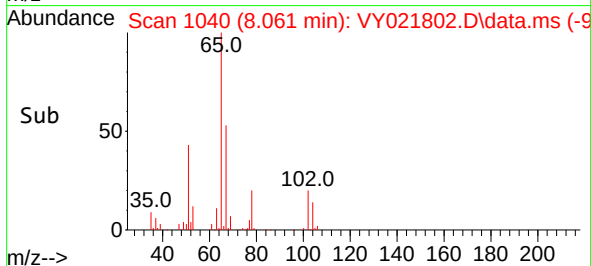
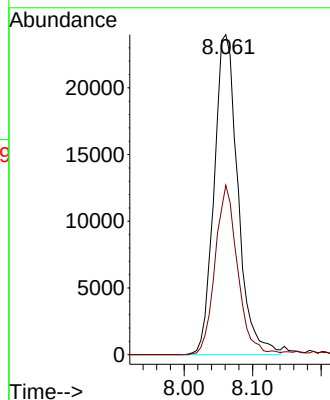
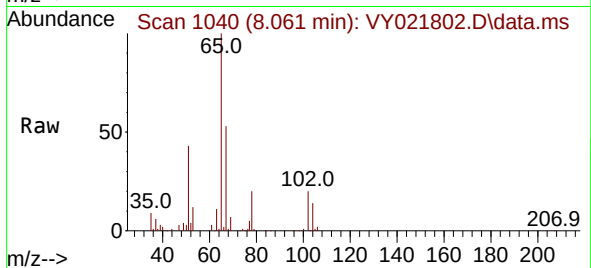
67 50.1 0.0 104.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021802.D

Acq: 07 Apr 2025 16:42

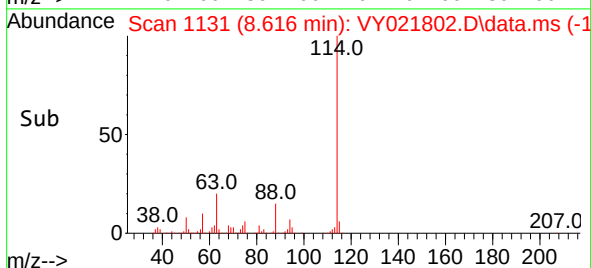
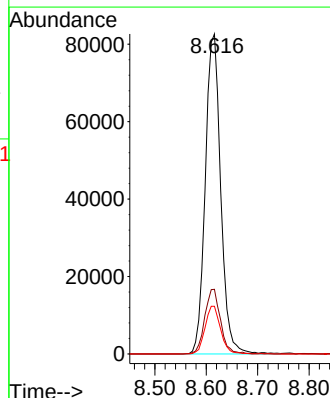
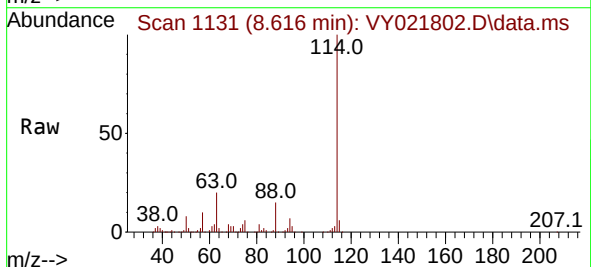
Tgt Ion:114 Resp: 172198

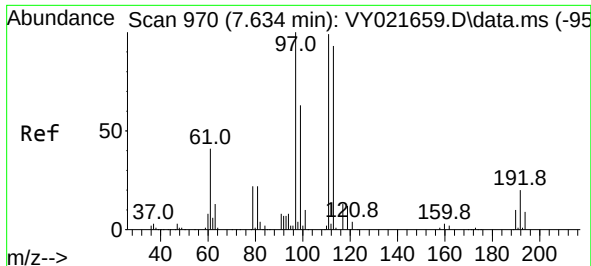
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

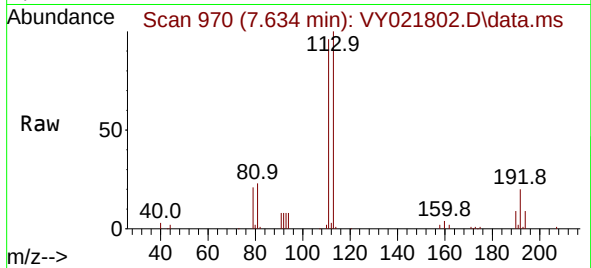
88 14.9 0.0 29.8





#35
Dibromofluoromethane
Concen: 46.895 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

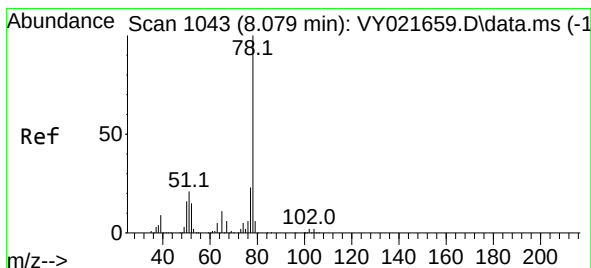
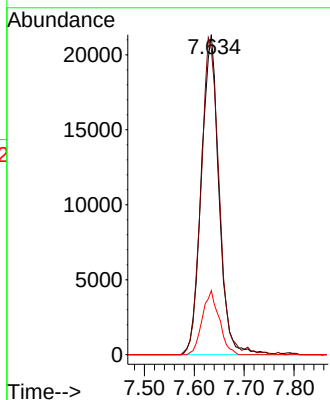
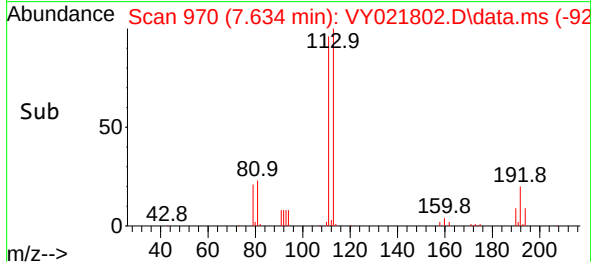
Instrument :
MSVOA_Y
ClientSampleId :
RT3069



Tgt Ion:113 Resp: 5238
Ion Ratio Lower Upper
113 100
111 99.9 82.6 123.8
192 19.2 16.2 24.4

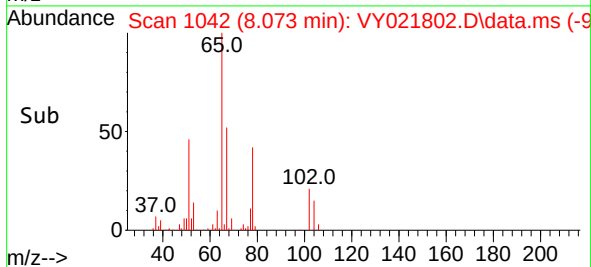
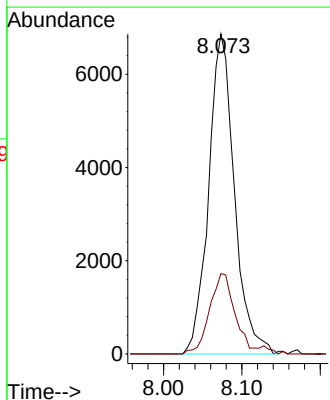
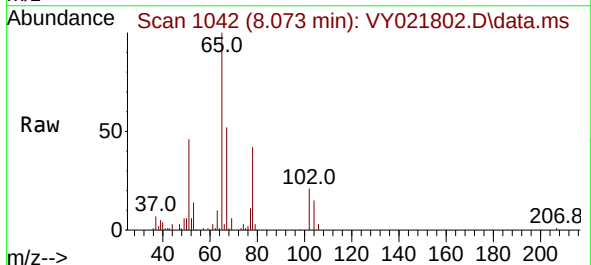
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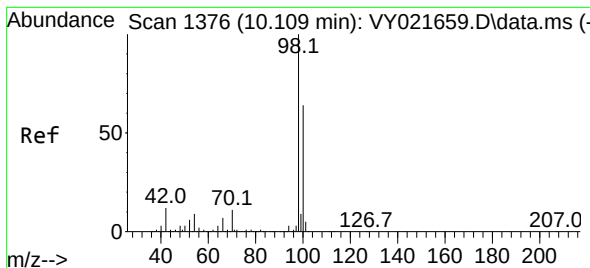
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025



#40
Benzene
Concen: 3.078 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

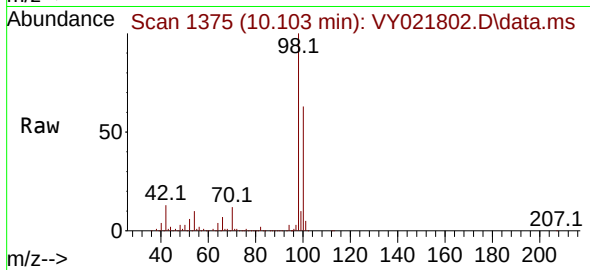
Tgt Ion: 78 Resp: 15683
Ion Ratio Lower Upper
78 100
77 25.1 18.8 28.2





#50
Toluene-d8
Concen: 47.403 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

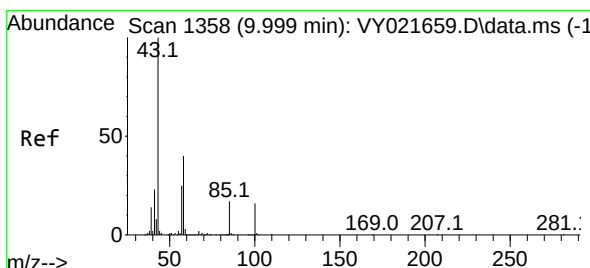
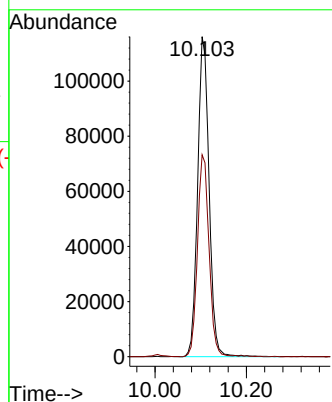
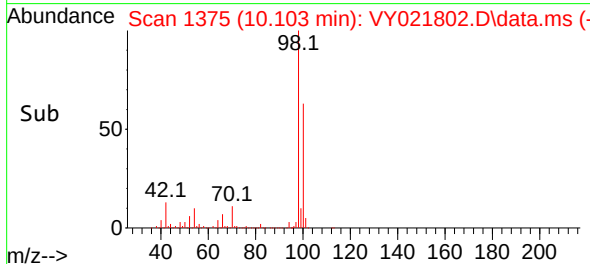
Instrument :
MSVOA_Y
ClientSampleId :
RT3069



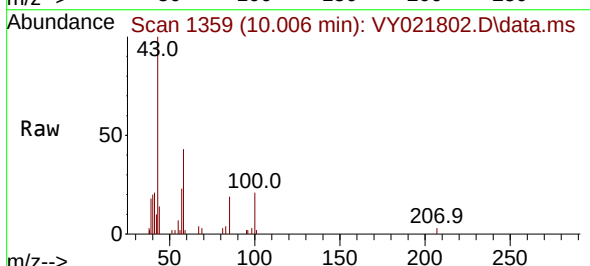
Tgt Ion: 98 Resp: 20143
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1

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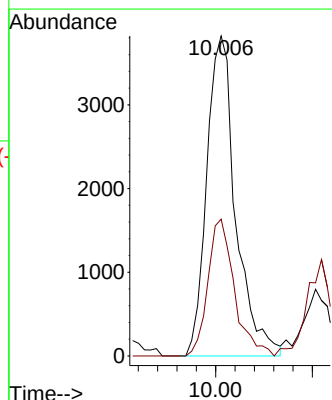
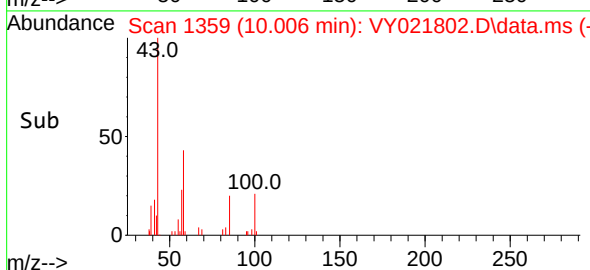
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

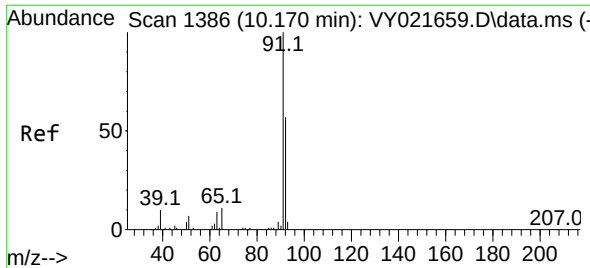


#51
4-Methyl-2-Pentanone
Concen: 10.037 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42



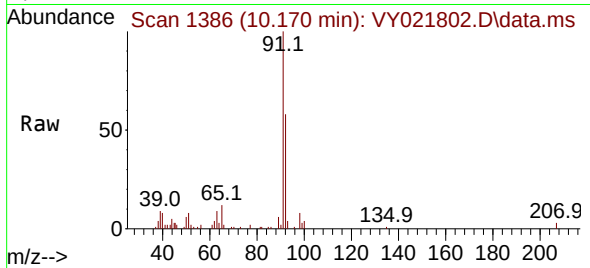
Tgt Ion: 43 Resp: 7948
Ion Ratio Lower Upper
43 100
58 39.1 31.5 47.3





#52
Toluene
Concen: 2.077 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

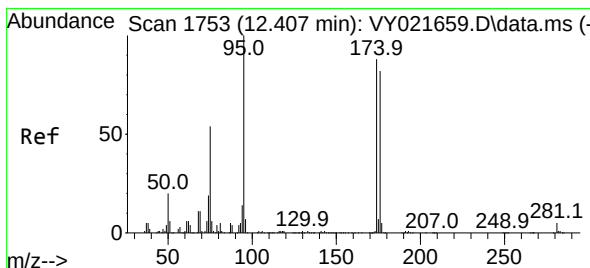
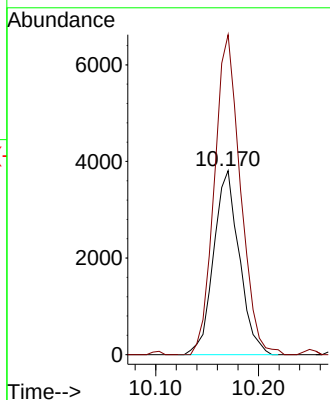
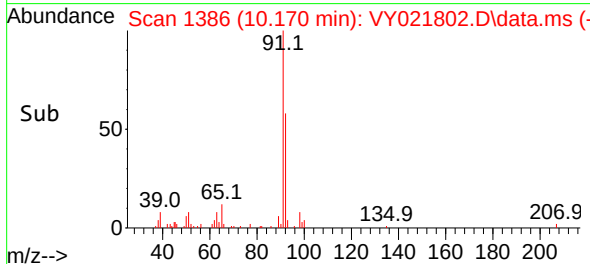
Instrument :
MSVOA_Y
ClientSampleId :
RT3069



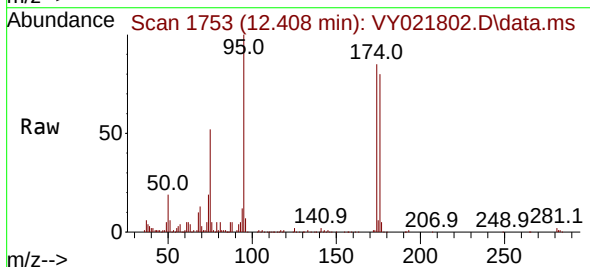
Tgt Ion: 92 Resp: 660
Ion Ratio Lower Upper
92 100
91 176.5 138.6 207.8

Manual Integrations
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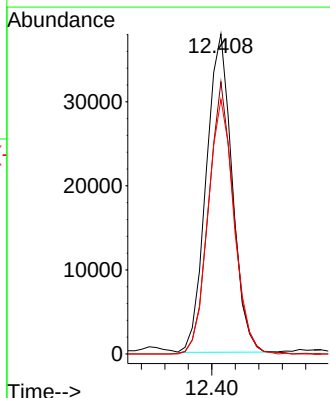
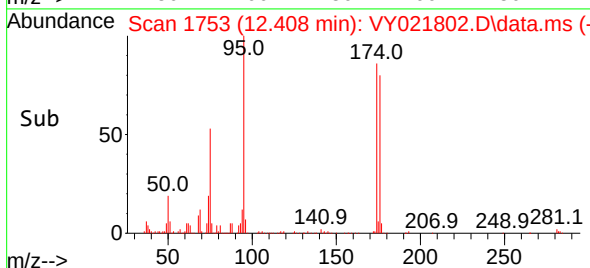
Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

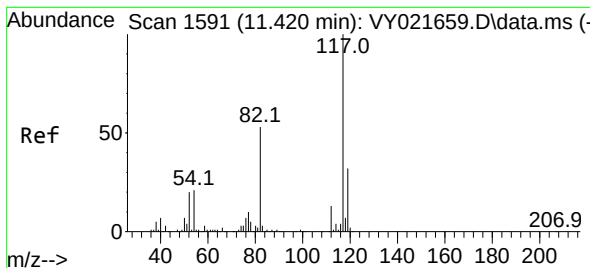


#62
4-Bromofluorobenzene
Concen: 40.285 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42



Tgt Ion: 95 Resp: 57904
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.8
176 80.7 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021802.D

Acq: 07 Apr 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

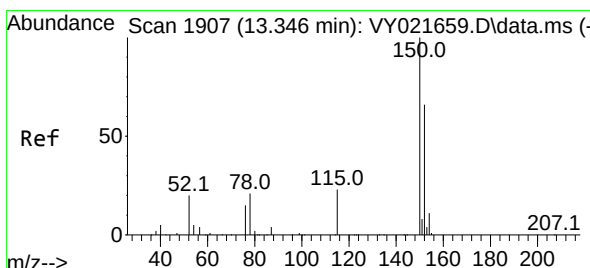
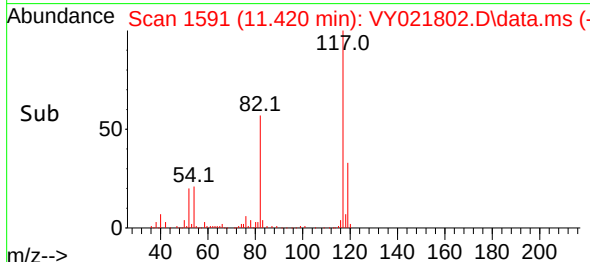
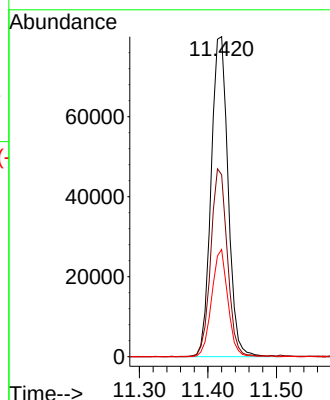
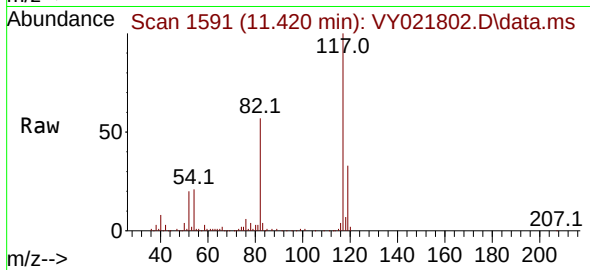
RT3069

Tgt Ion:	117	Resp:	13777
Ion Ratio	Lower	Upper	
117	100		
82	56.8	42.8	64.2
119	33.5	25.7	38.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/08/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

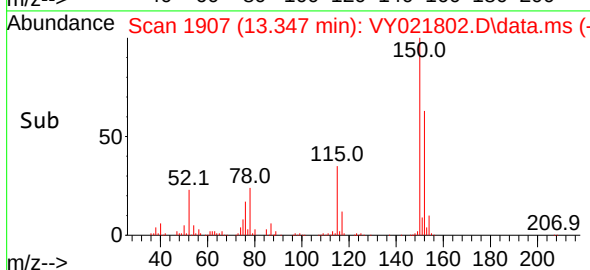
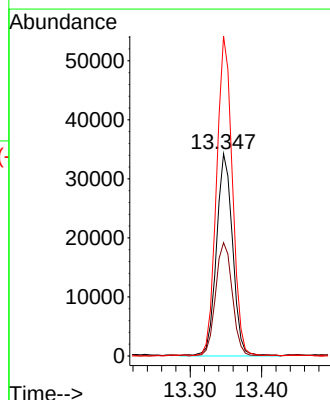
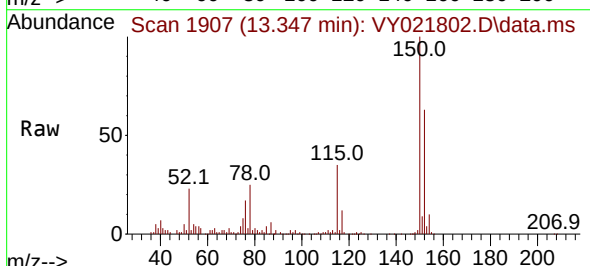
RT: 13.347 min Scan# 1907

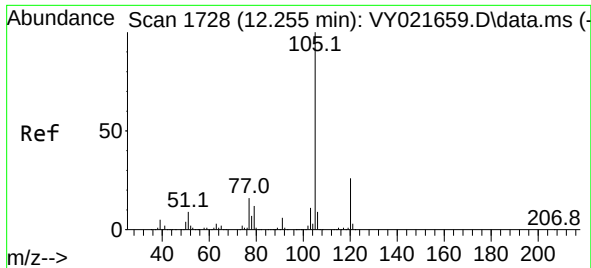
Delta R.T. 0.000 min

Lab File: VY021802.D

Acq: 07 Apr 2025 16:42

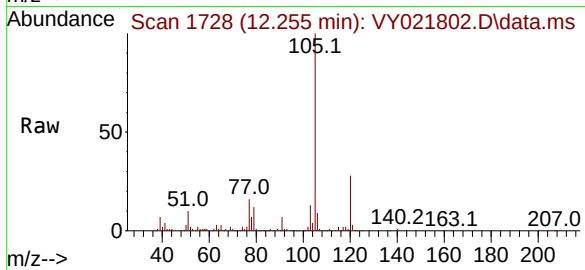
Tgt Ion:	152	Resp:	53816
Ion Ratio	Lower	Upper	
152	100		
115	56.7	28.8	86.5
150	155.0	0.0	348.4





#73
Isopropylbenzene
Concen: 21.932 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

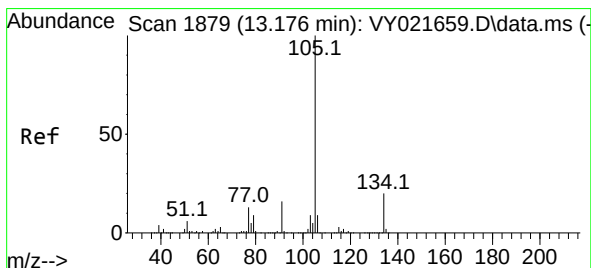
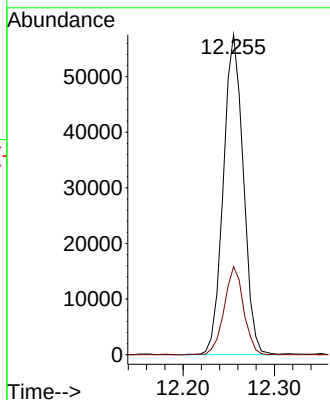
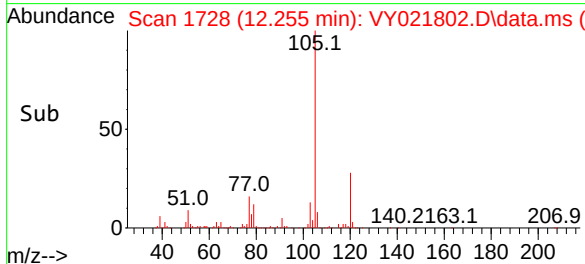
Instrument :
MSVOA_Y
ClientSampleId :
RT3069



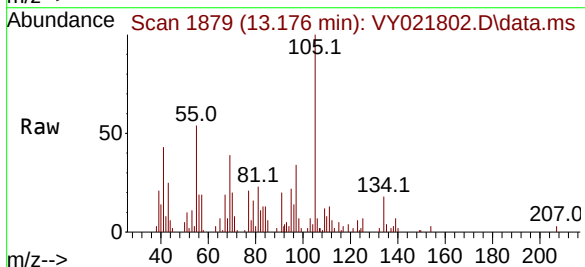
Tgt Ion:105 Resp: 8766
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

Manual Integrations
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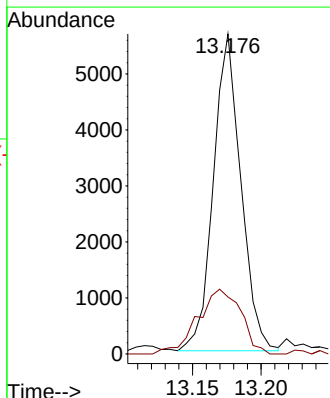
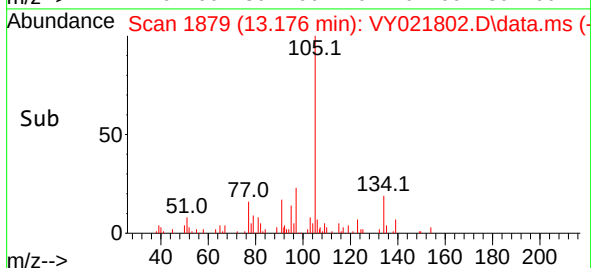
Reviewed By :Mahesh Dadoda 04/08/2025
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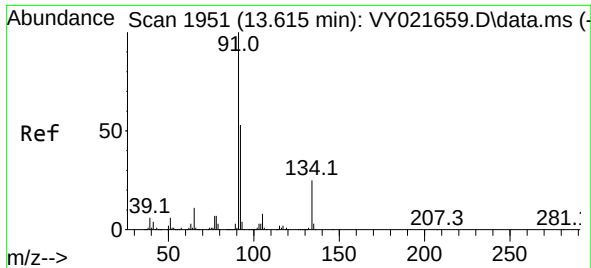


#85
sec-Butylbenzene
Concen: 1.857 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42



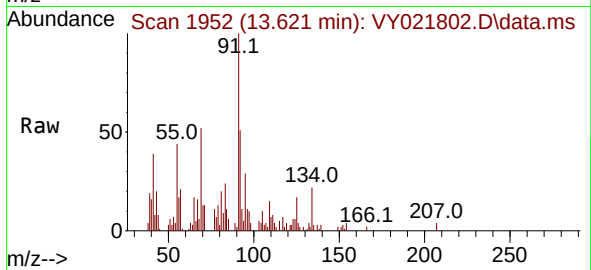
Tgt Ion:105 Resp: 7897
Ion Ratio Lower Upper
105 100
134 32.2 10.1 30.1#





#89
n-Butylbenzene
Concen: 2.551 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY021802.D
Acq: 07 Apr 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
RT3069



Tgt Ion: 91 Resp: 829
Ion Ratio Lower Upper
91 100
92 52.9 26.4 79.2
134 44.8 12.8 38.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
Supervised By :Semsettin Yesilyurt 04/08/2025

