

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021112.D
 Acq On : 06 Feb 2025 15:35
 Operator : SY/MD
 Sample : Q1288-02RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-020425

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 02:33:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	35273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	49467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	35601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	12551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13075	36.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.360%		
35) Dibromofluoromethane	7.640	113	14350	45.266	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.540%		
50) Toluene-d8	10.109	98	54315	45.003	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.408	95	14067	35.677	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.360%		
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1058	18.772	ug/l	94
67) Ethyl Benzene	11.524	91	1701	1.213	ug/l	98
68) m/p-Xylenes	11.627	106	1518	2.894	ug/l	82
69) o-Xylene	11.963	106	1322	2.703	ug/l	96
73) Isopropylbenzene	12.261	105	1192	1.216	ug/l	89
78) n-propylbenzene	12.597	91	3771	3.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	4674	5.880	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	11666	15.010	ug/l	99
85) sec-Butylbenzene	13.176	105	3179	3.057	ug/l	96
86) p-Isopropyltoluene	13.298	119	1569m	1.816	ug/l	
89) n-Butylbenzene	13.621	91	1955	2.480	ug/l #	64

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

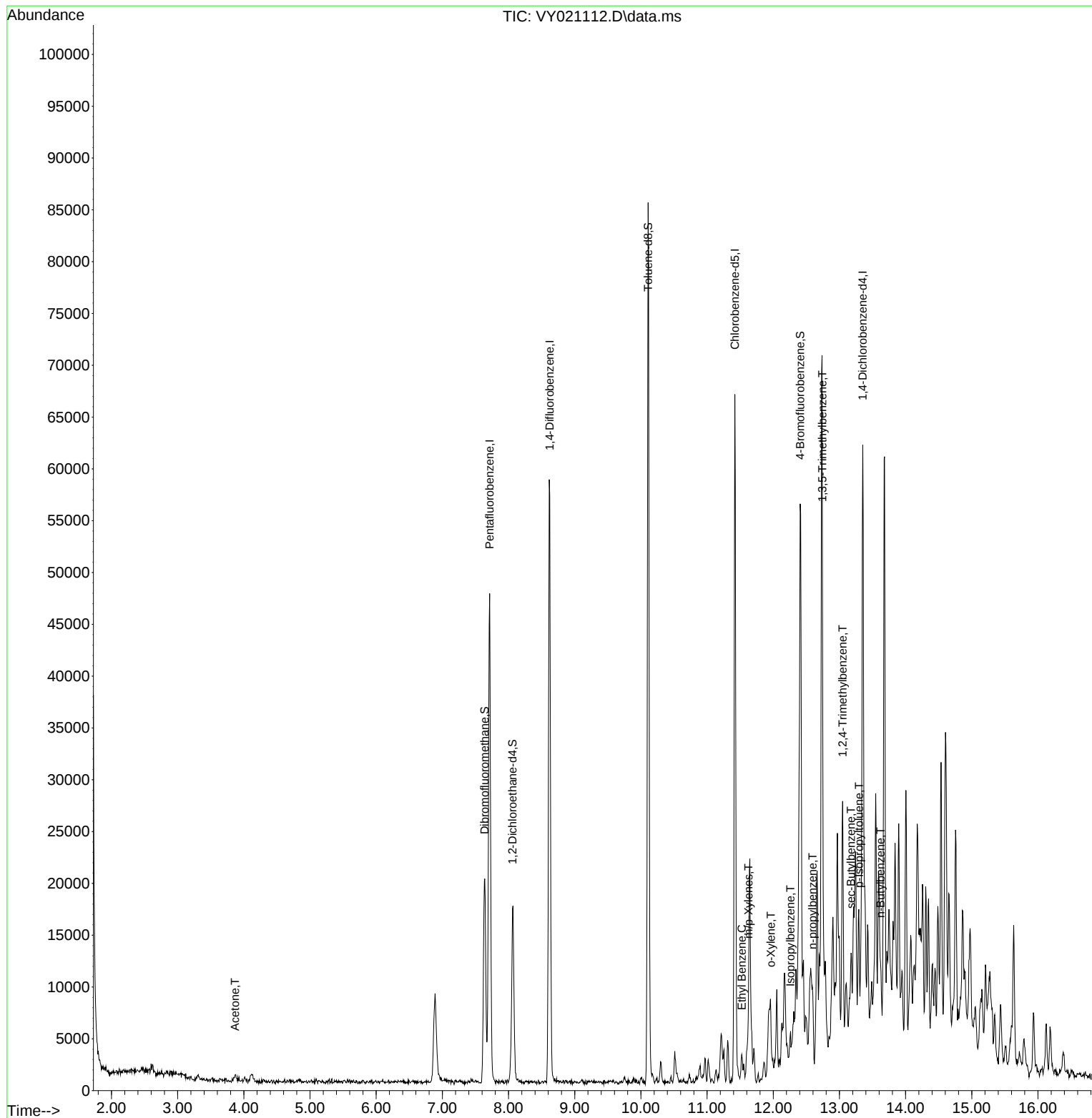
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
Data File : VY021112.D
Acq On : 06 Feb 2025 15:35
Operator : SY/MD
Sample : Q1288-02RE
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 14 Sample Multiplier: 1

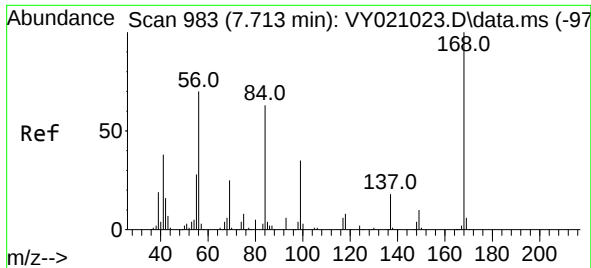
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Quant Time: Feb 07 02:33:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

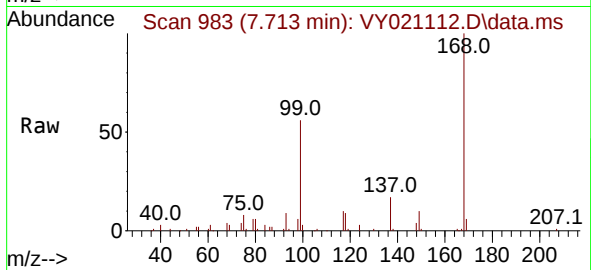
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

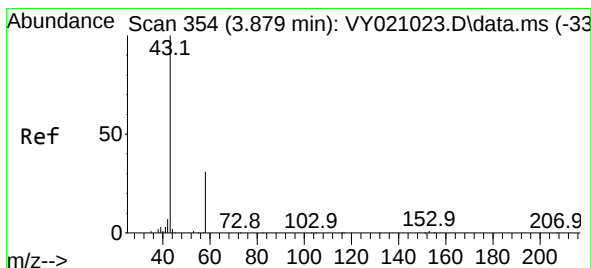
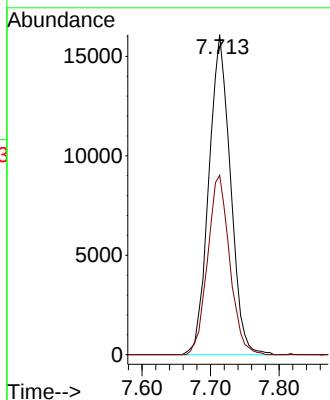
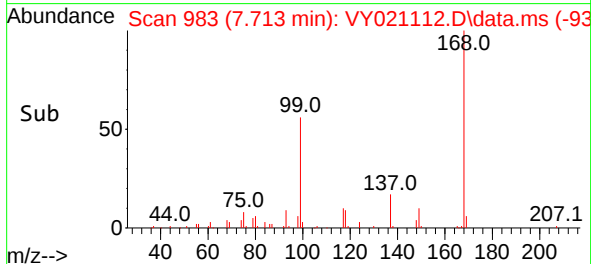
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425



Tgt Ion:168 Resp: 3527
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4

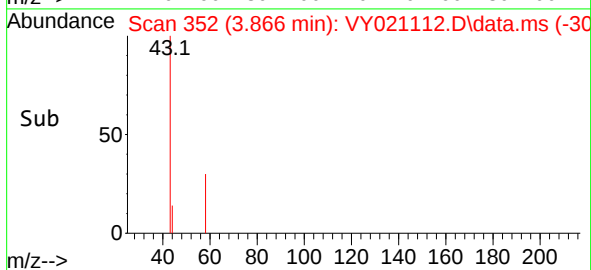
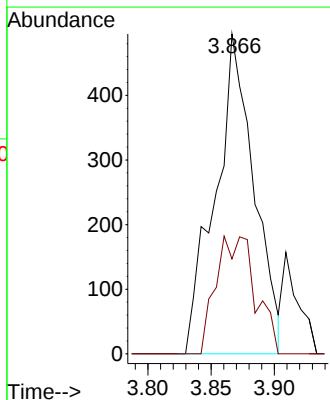
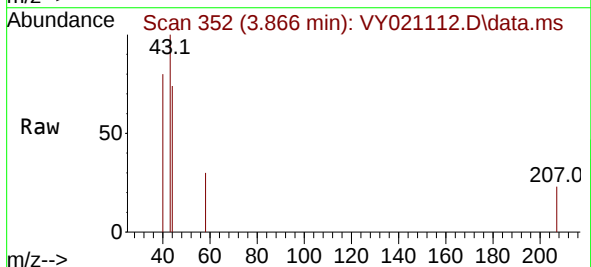
Manual Integrations
APPROVED

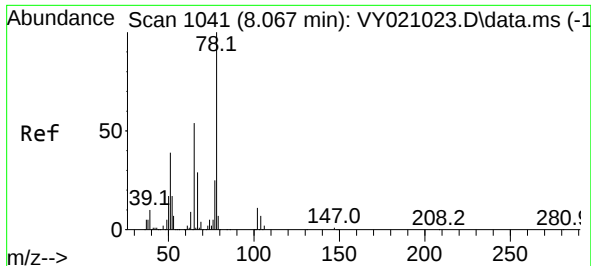
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#16
Acetone
Concen: 18.772 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
58 29.7 26.6 39.8





#33

1,2-Dichloroethane-d4

Concen: 36.179 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-020425

Tgt Ion: 65 Resp: 13075

Ion Ratio Lower Upper

65 100

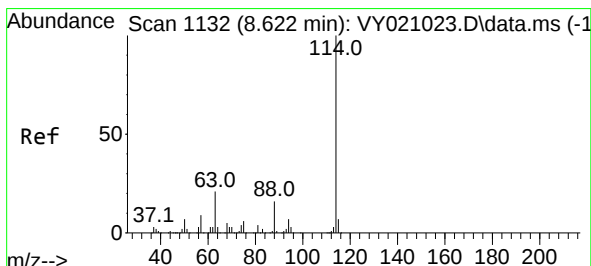
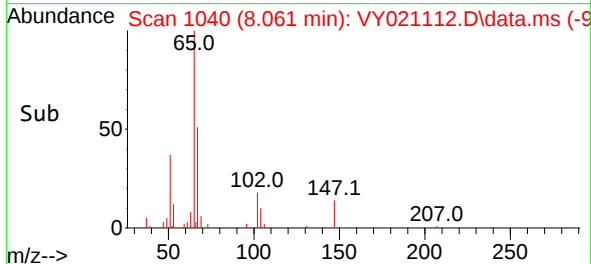
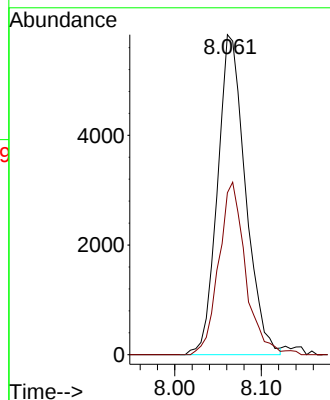
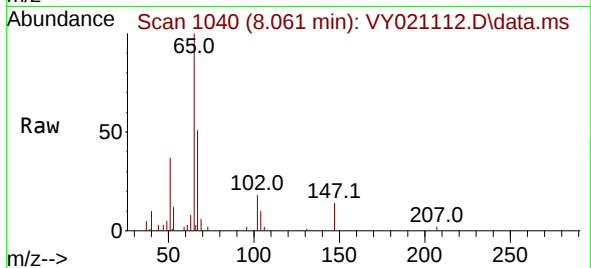
67 51.9 0.0 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025

Supervised By :Semsettin Yesilyurt 02/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

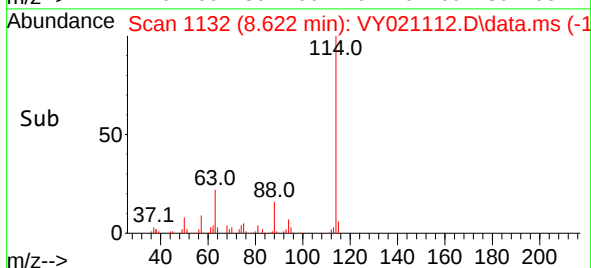
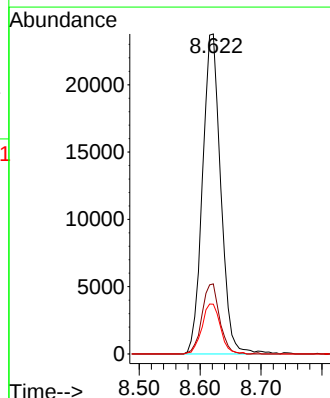
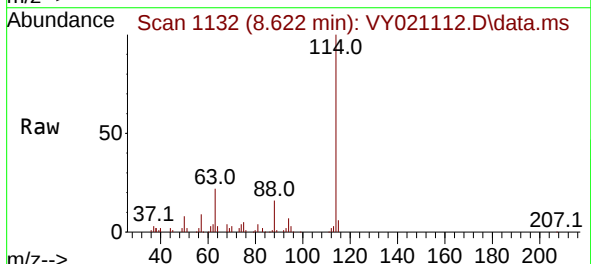
Tgt Ion:114 Resp: 49467

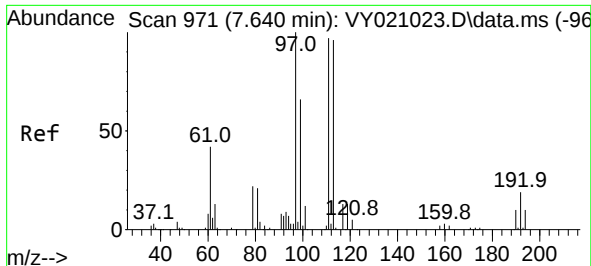
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

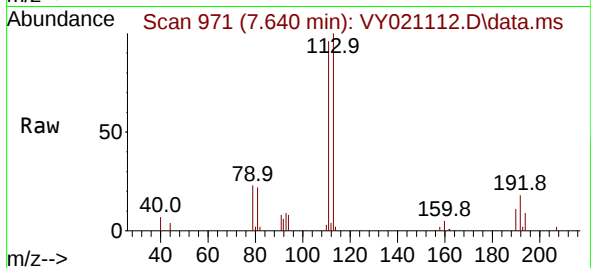
88 15.5 0.0 29.0





#35
Dibromofluoromethane
Concen: 45.266 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

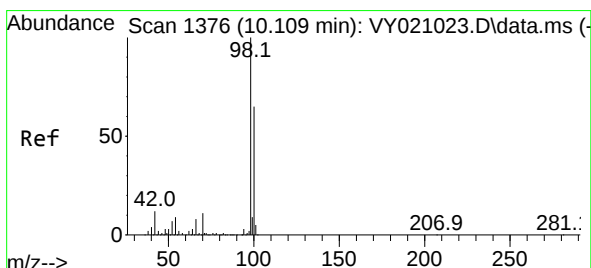
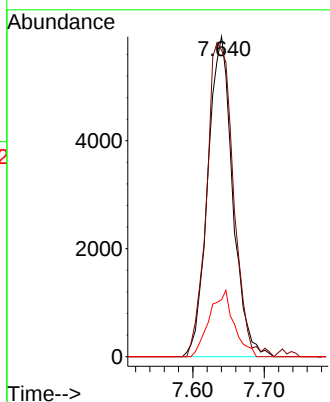
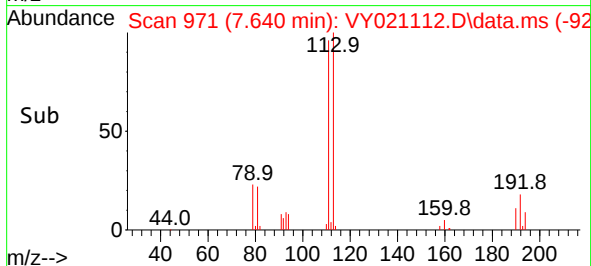
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425



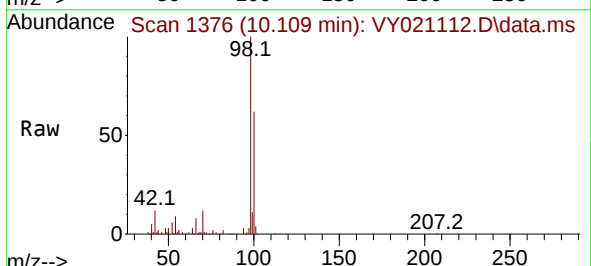
Tgt Ion: 113 Resp: 14350
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.6
192 20.4 14.5 21.7

Manual Integrations
APPROVED

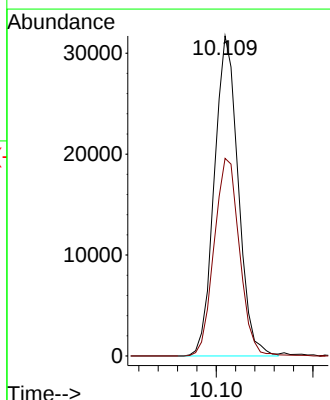
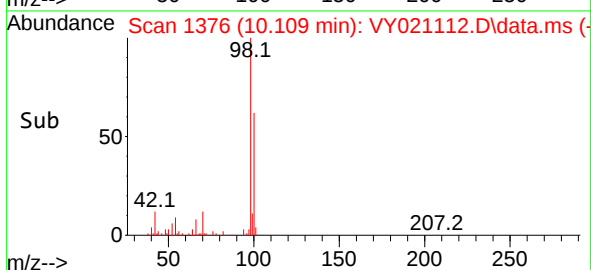
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

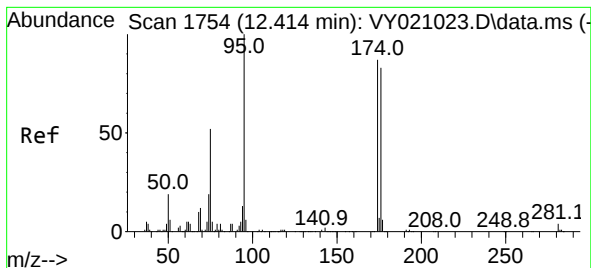


#50
Toluene-d8
Concen: 45.003 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35



Tgt Ion: 98 Resp: 54315
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5





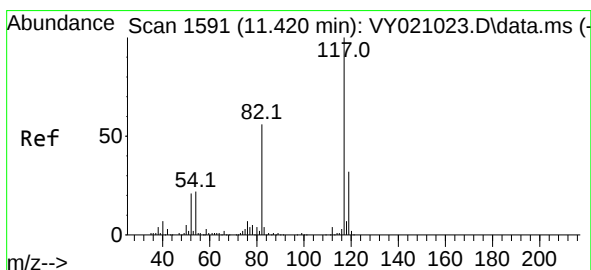
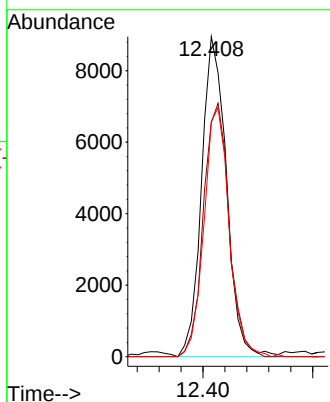
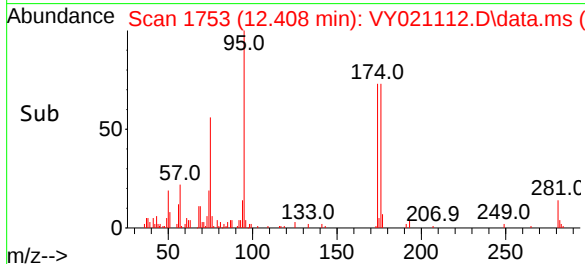
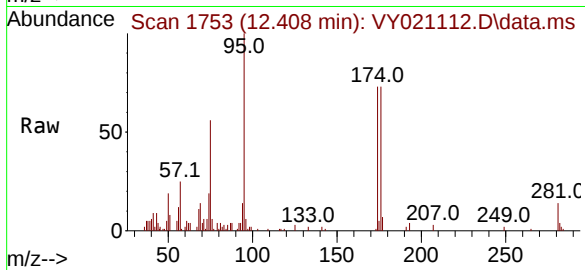
#62
4-Bromofluorobenzene
Concen: 35.677 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425

Tgt Ion:	95	Resp:	1406
Ion Ratio	Lower	Upper	
95	100		
174	81.7	0.0	160.0
176	78.7	0.0	151.8

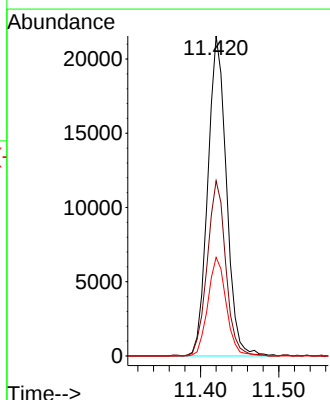
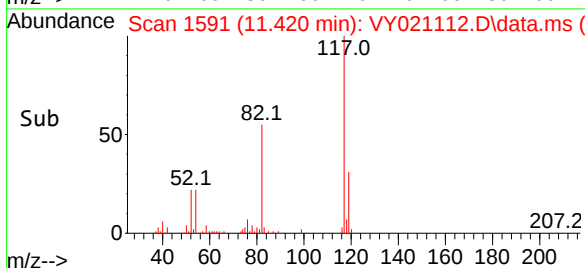
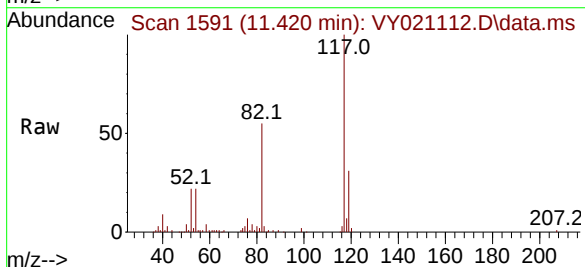
Manual Integrations
APPROVED

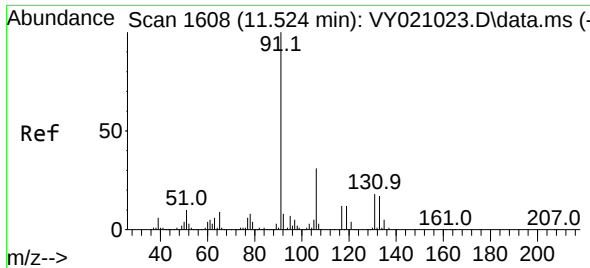
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

Tgt Ion:	117	Resp:	35601
Ion Ratio	Lower	Upper	
117	100		
82	54.8	43.8	65.8
119	30.8	26.5	39.7





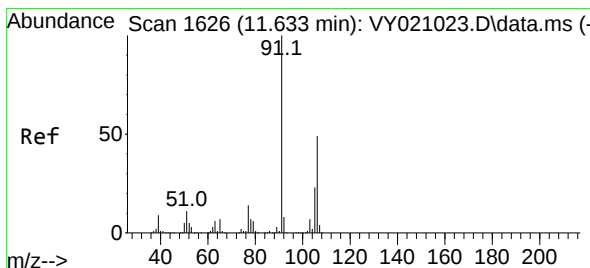
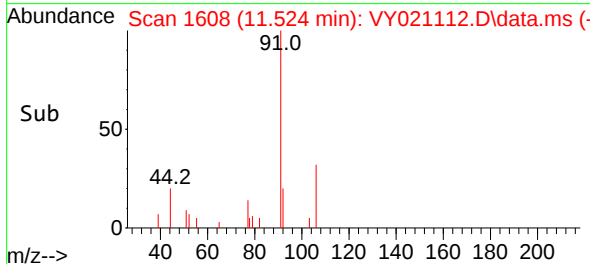
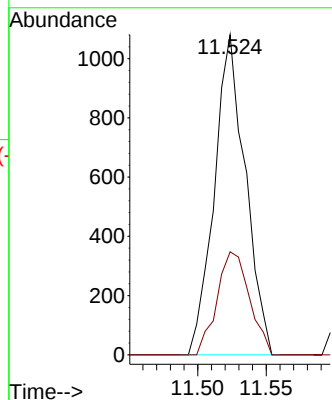
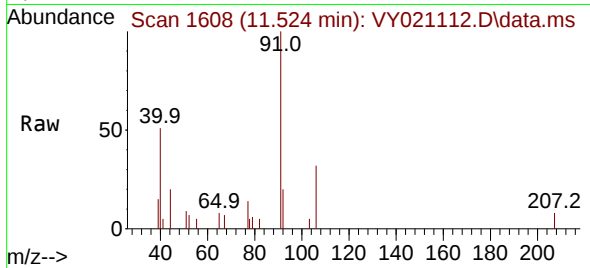
#67
Ethyl Benzene
Concen: 1.213 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

Instrument : MSVOA_Y
ClientSampleId : HR-01-020425

Tgt Ion: 91 Resp: 1708
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4

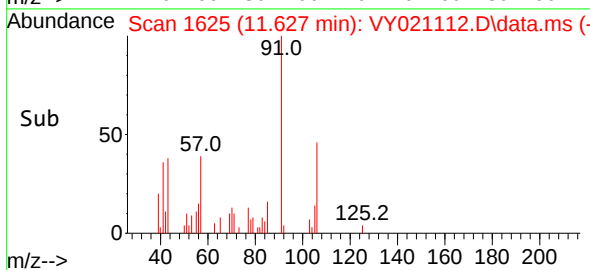
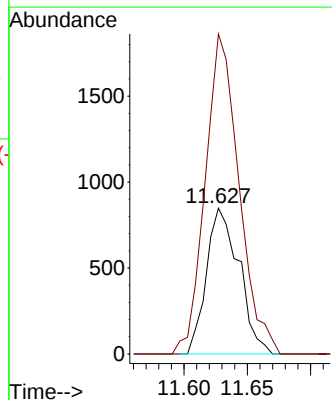
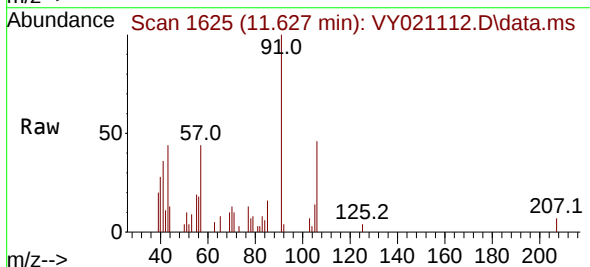
Manual Integrations
APPROVED

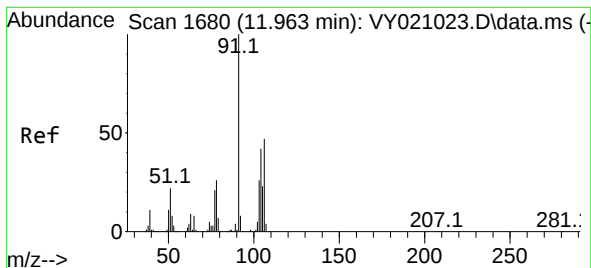
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#68
m/p-Xylenes
Concen: 2.894 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

Tgt Ion:106 Resp: 1518
Ion Ratio Lower Upper
106 100
91 227.8 160.7 241.1





#69

o-Xylene

Concen: 2.703 ug/l

RT: 11.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-020425

Tgt Ion:106 Resp: 132

Ion Ratio Lower Upper

106 100

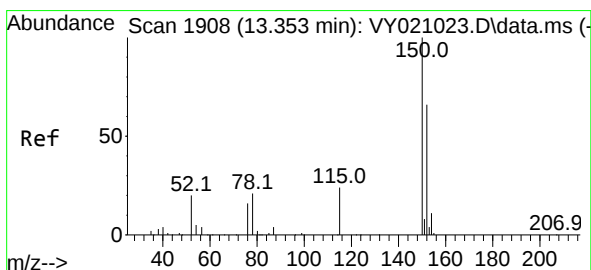
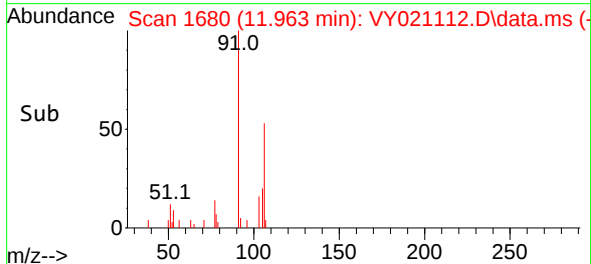
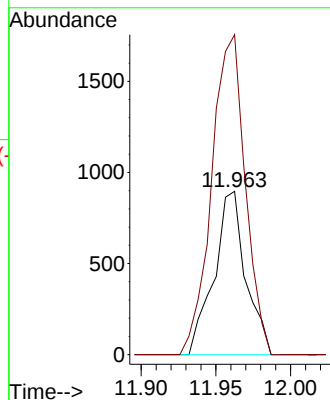
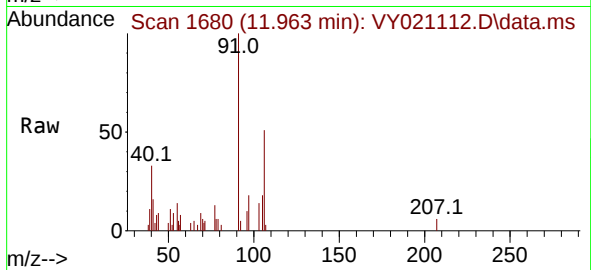
91 207.3 106.5 319.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025

Supervised By :Semsettin Yesilyurt 02/07/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

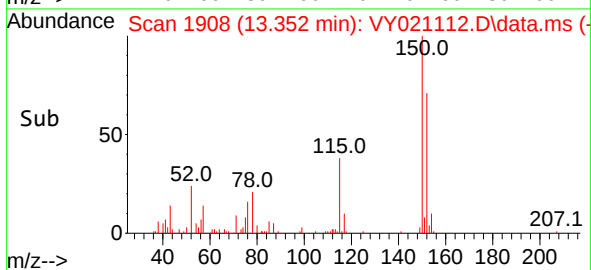
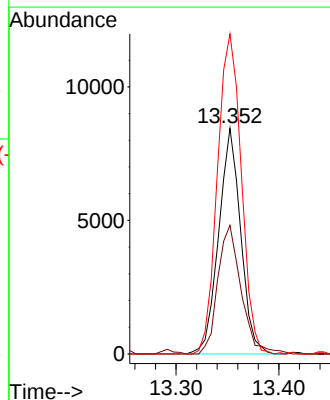
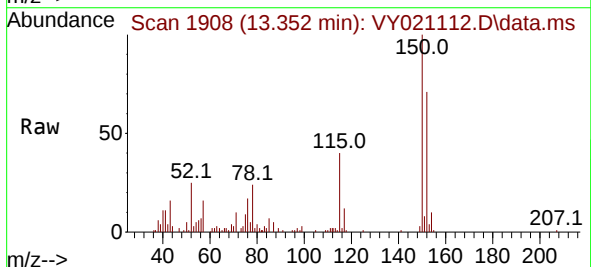
Tgt Ion:152 Resp: 12551

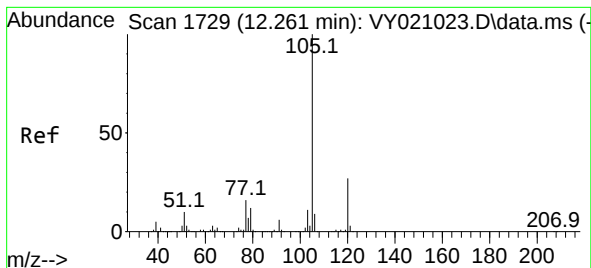
Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 153.6 0.0 344.6





#73

Isopropylbenzene

Concen: 1.216 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.000 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

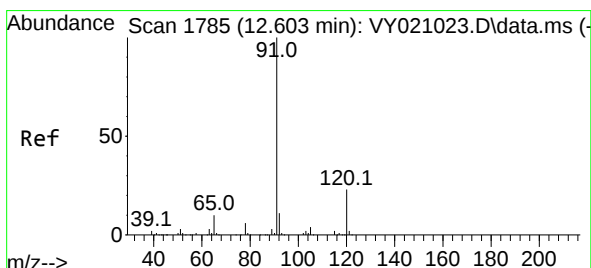
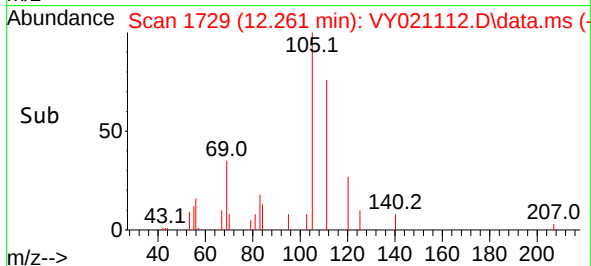
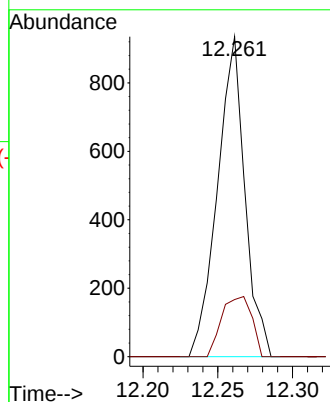
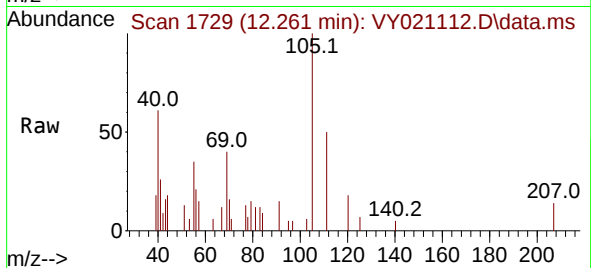
HR-01-020425

Tgt Ion:105 Resp: 1192
 Ion Ratio Lower Upper
 105 100
 120 20.6 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025



#78

n-propylbenzene

Concen: 3.229 ug/l

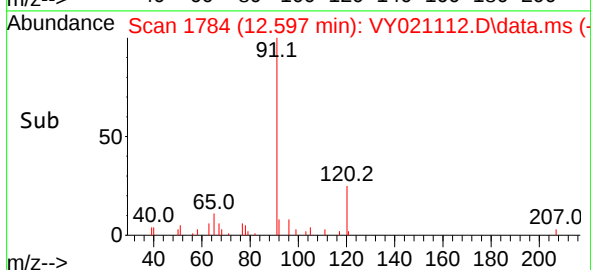
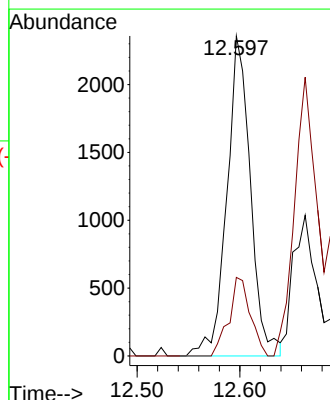
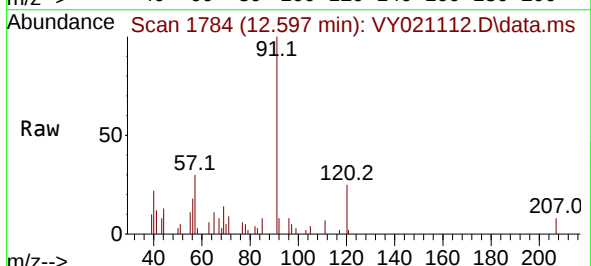
RT: 12.597 min Scan# 1784

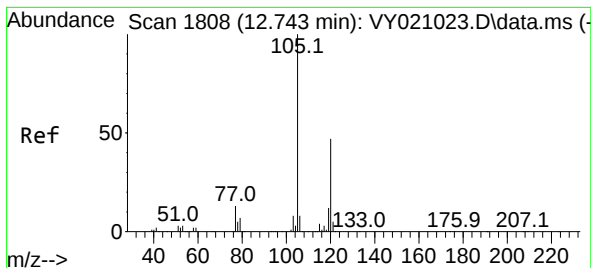
Delta R.T. -0.006 min

Lab File: VY021112.D

Acq: 06 Feb 2025 15:35

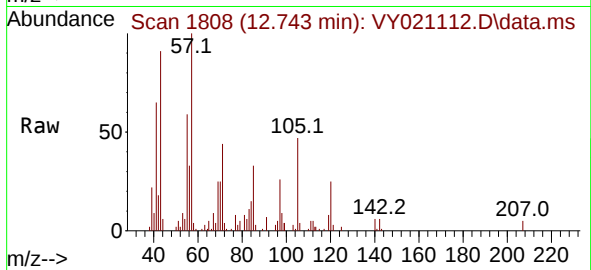
Tgt Ion: 91 Resp: 3771
 Ion Ratio Lower Upper
 91 100
 120 22.3 11.0 33.0





#80
1,3,5-Trimethylbenzene
Concen: 5.880 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35

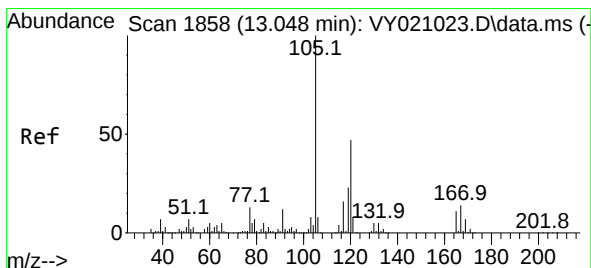
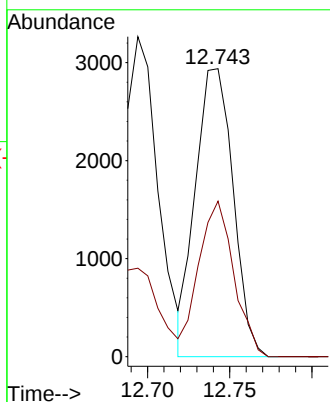
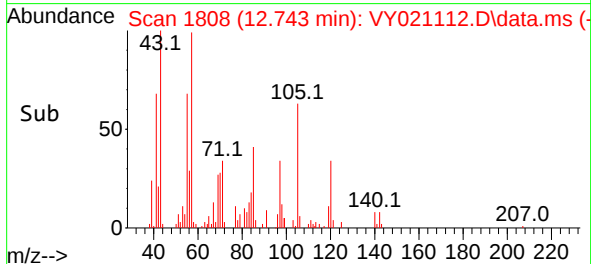
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-020425



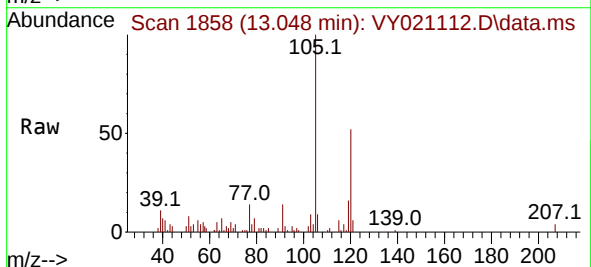
Tgt Ion:105 Resp: 4674
Ion Ratio Lower Upper
105 100
120 50.6 24.3 72.8

Manual Integrations
APPROVED

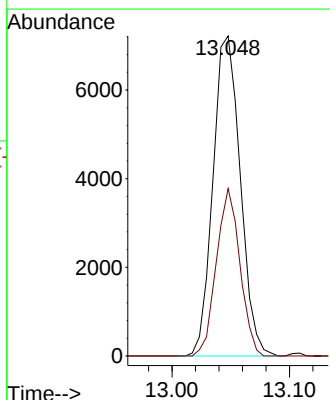
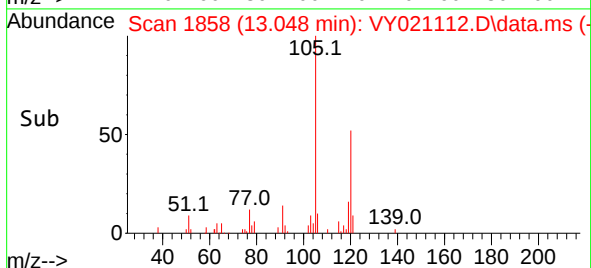
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

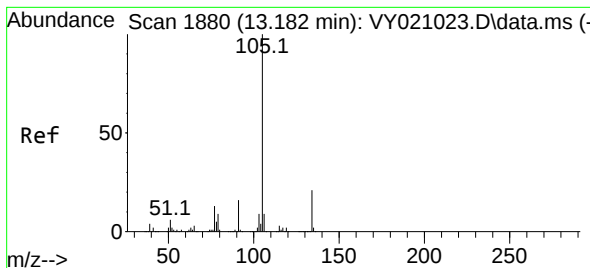


#84
1,2,4-Trimethylbenzene
Concen: 15.010 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021112.D
Acq: 06 Feb 2025 15:35



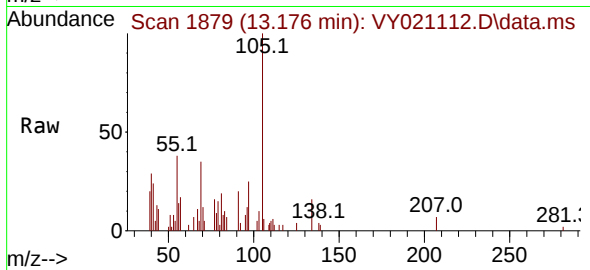
Tgt Ion:105 Resp: 11666
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.3





#85
 sec-Butylbenzene
 Concen: 3.057 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.006 min
 Lab File: VY021112.D
 Acq: 06 Feb 2025 15:35

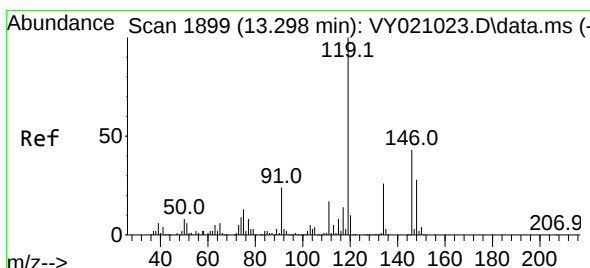
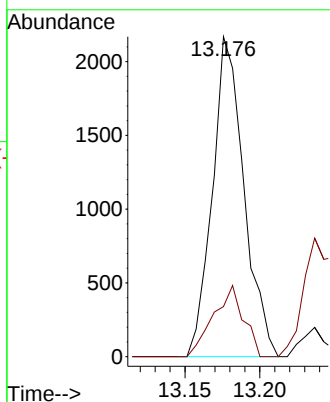
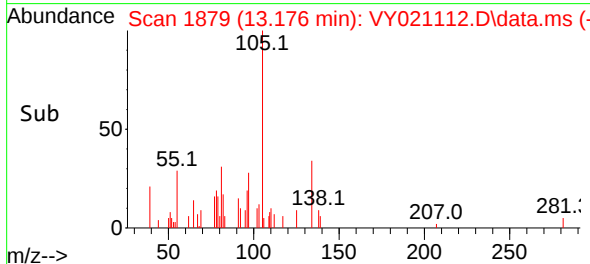
Instrument : MSVOA_Y
 ClientSampleId : HR-01-020425



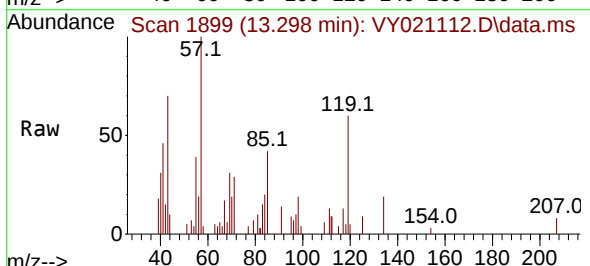
Tgt Ion:105 Resp: 3179
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.7 28.9

Manual Integrations
 APPROVED

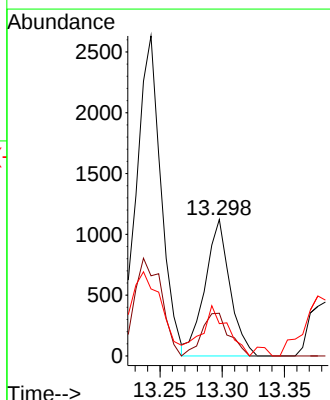
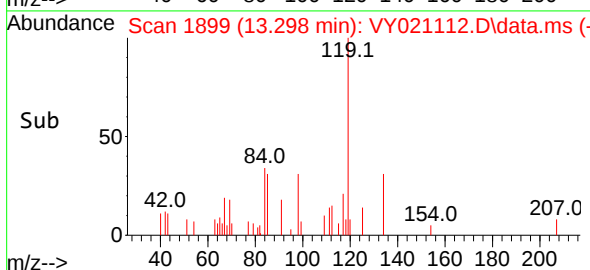
Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

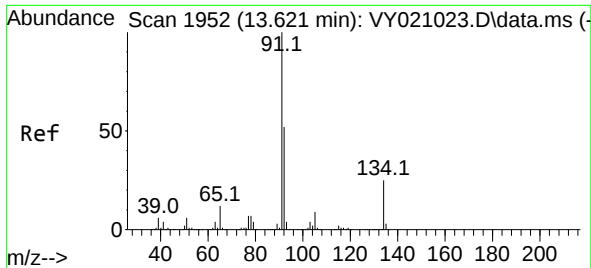


#86
 p-Isopropyltoluene
 Concen: 1.816 ug/l m
 RT: 13.298 min Scan# 1899
 Delta R.T. -0.000 min
 Lab File: VY021112.D
 Acq: 06 Feb 2025 15:35



Tgt Ion:119 Resp: 1569
 Ion Ratio Lower Upper
 119 100
 134 77.9 13.1 39.1#
 91 62.1 11.7 35.0#





#89

n-Butylbenzene

Concen: 2.480 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021112.D

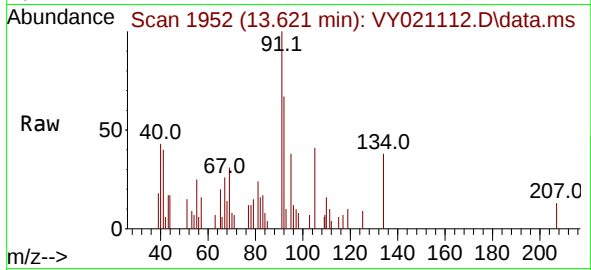
Acq: 06 Feb 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-020425



Tgt Ion:	91	Resp:	1952
Ion	Ratio	Lower	Upper
91	100		
92	73.5	26.4	79.2
134	0.0	12.3	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025

Supervised By :Semsettin Yesilyurt 02/07/2025

