

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021456.D
 Acq On : 07 Mar 2025 13:18
 Operator : SY/MD
 Sample : Q1479-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DSP2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:00:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.683	168	337523m	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.603	114	510119m	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.426	117	399863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	147292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	141790m	39.746	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.500%		
35) Dibromofluoromethane	7.628	113	121829m	36.333	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	72.660%		
50) Toluene-d8	10.103	98	592793m	46.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.414	95	161622	37.425	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.840%		
Target Compounds					Qvalue	
40) Benzene	8.055	78	37754	2.442	ug/l	97
52) Toluene	10.170	92	137343m	14.090	ug/l	
67) Ethyl Benzene	11.530	91	45890	2.769	ug/l	96
68) m/p-Xylenes	11.633	106	146257	23.244	ug/l	98
69) o-Xylene	11.963	106	32895	5.672	ug/l	100
78) n-propylbenzene	12.603	91	21286	1.511	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	134024	14.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	244921	26.162	ug/l	99
95) Naphthalene	15.145	128	9527	3.827	ug/l	97

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

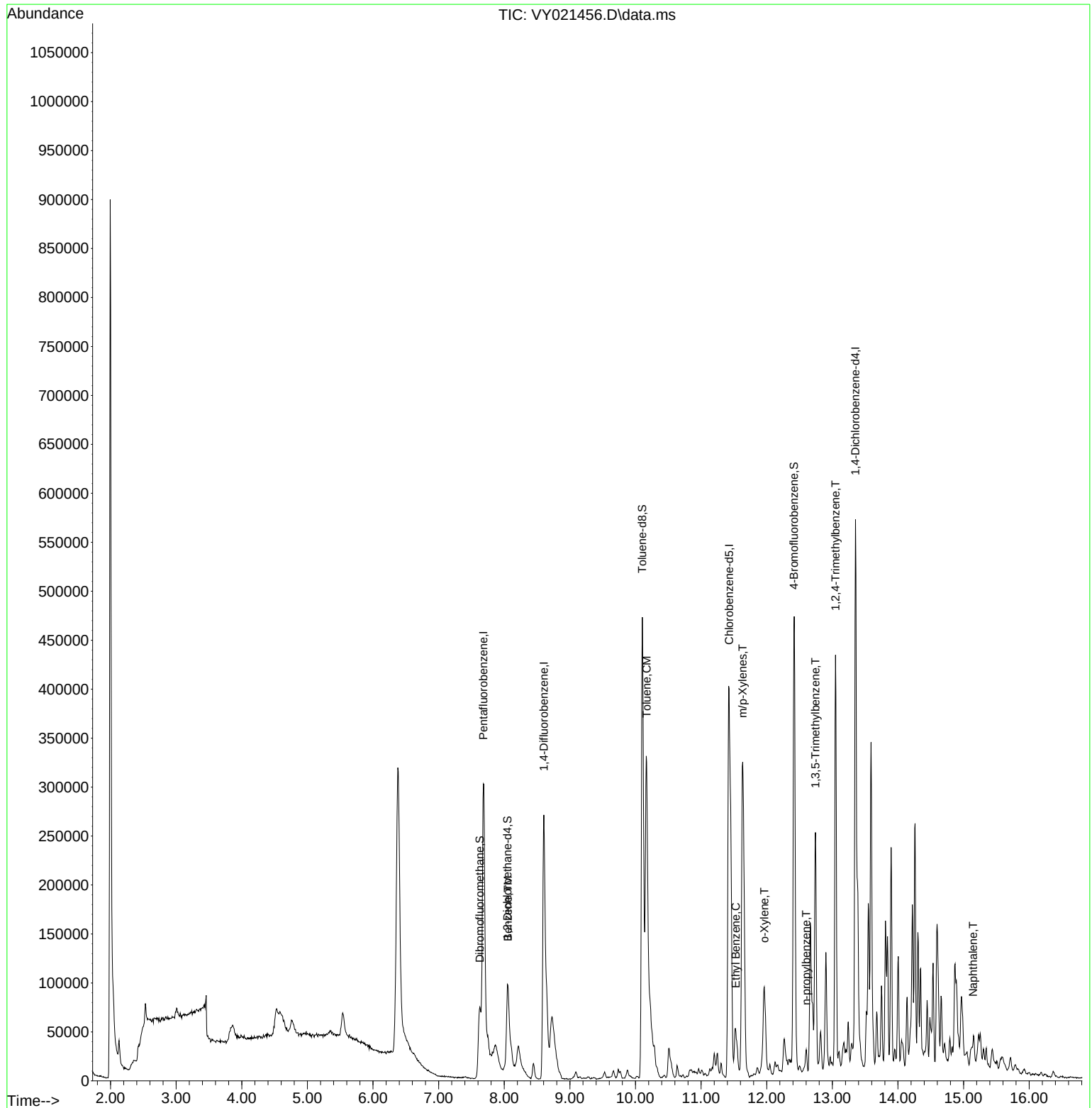
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

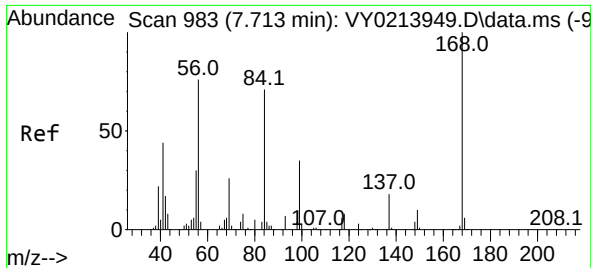
Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

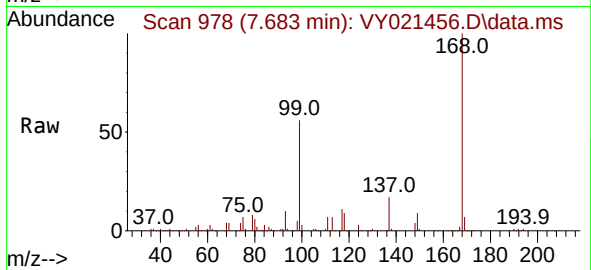
Quant Time: Mar 07 22:00:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.683 min Scan# 91
Delta R.T. -0.030 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

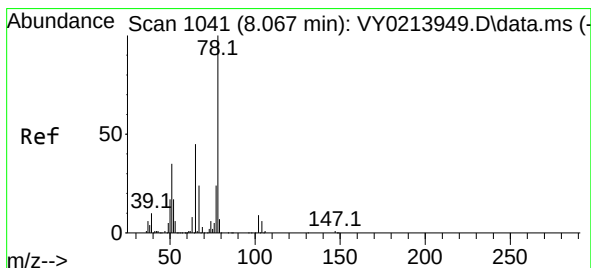
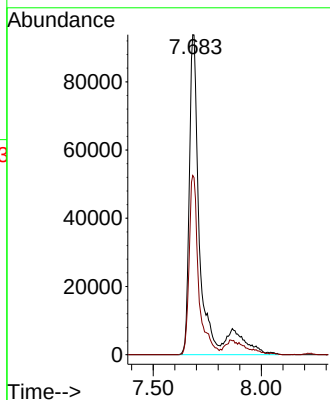
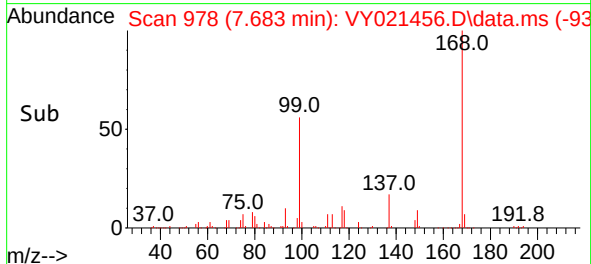
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion:168 Resp: 33752
Ion Ratio Lower Upper
168 100
99 56.0 46.0 69.0

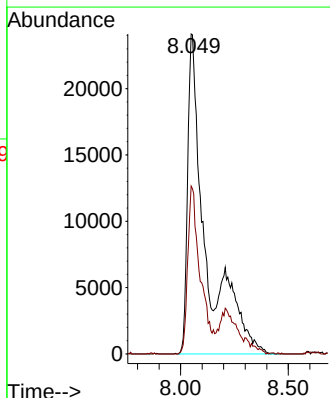
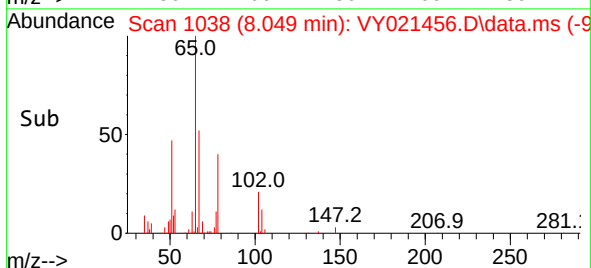
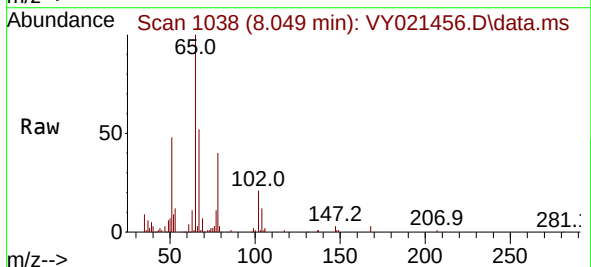
Manual Integrations
APPROVED

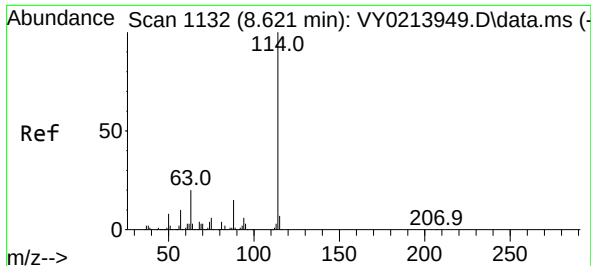
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#33
1,2-Dichloroethane-d4
Concen: 39.746 ug/l m
RT: 8.049 min Scan# 1038
Delta R.T. -0.018 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 65 Resp: 141790
Ion Ratio Lower Upper
65 100
67 35.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l m

RT: 8.603 min Scan# 1129

Delta R.T. -0.018 min

Lab File: VY021456.D

Acq: 07 Mar 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

Tgt Ion:114 Resp: 510119

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

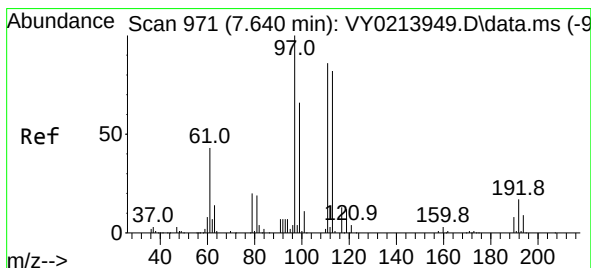
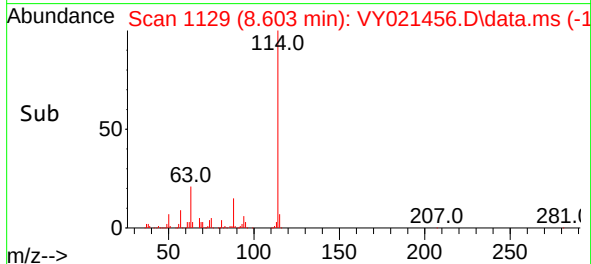
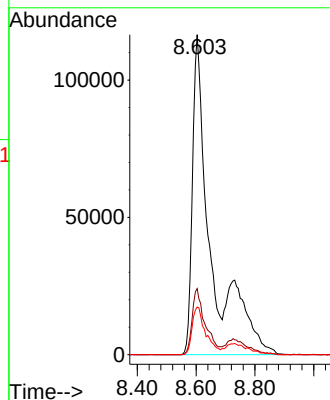
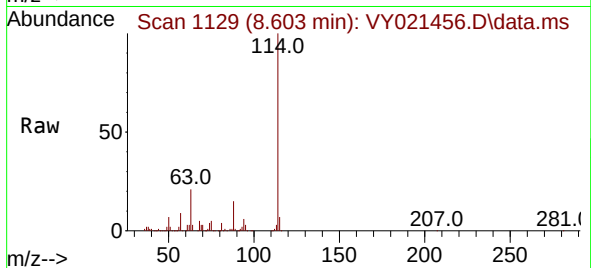
88 14.9 0.0 30.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025

Supervised By :Semsettin Yesilyurt 03/11/2025



#35

Dibromofluoromethane

Concen: 36.333 ug/l m

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY021456.D

Acq: 07 Mar 2025 13:18

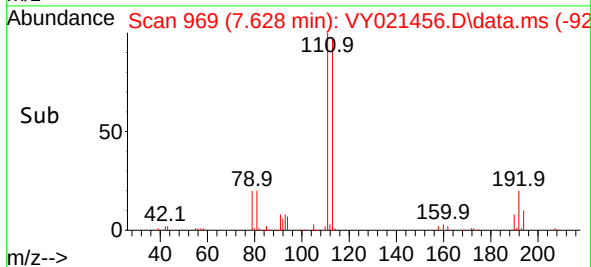
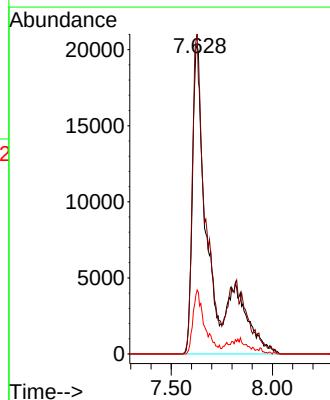
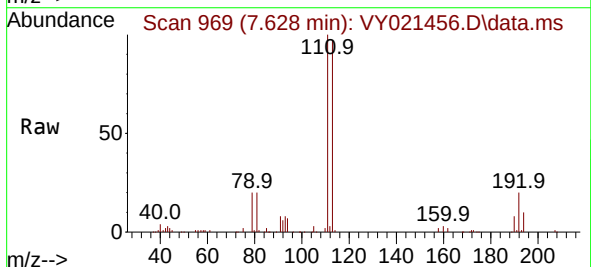
Tgt Ion:113 Resp: 121829

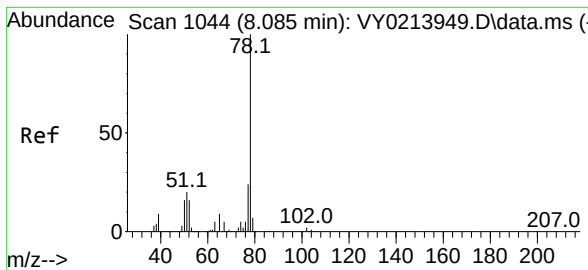
Ion Ratio Lower Upper

113 100

111 74.5 82.0 123.0#

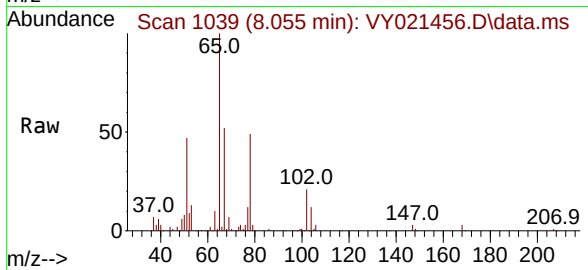
192 14.2 15.9 23.9#





#40
Benzene
Concen: 2.442 ug/l
RT: 8.055 min Scan# 1044
Delta R.T. -0.030 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

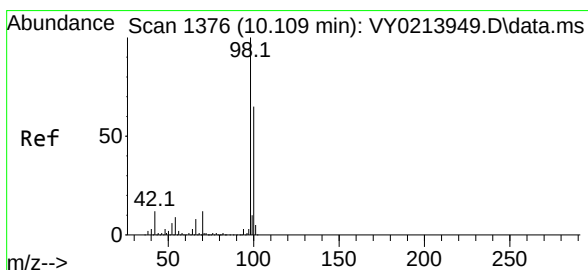
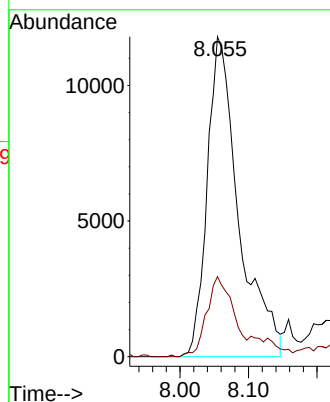
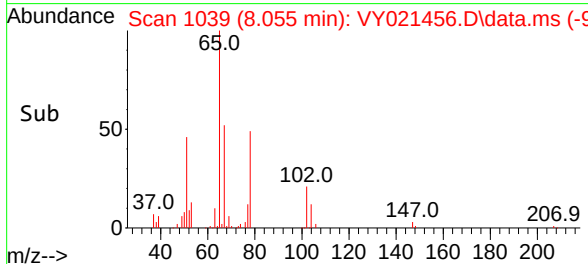
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion: 78 Resp: 37754
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4

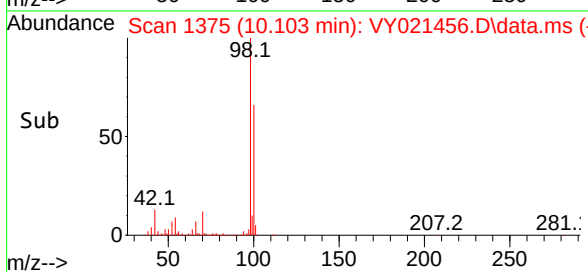
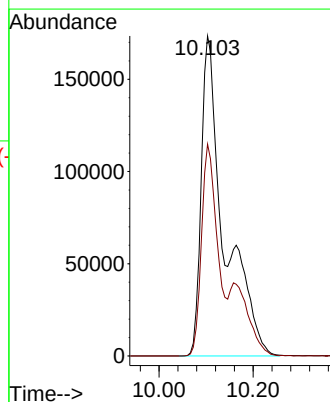
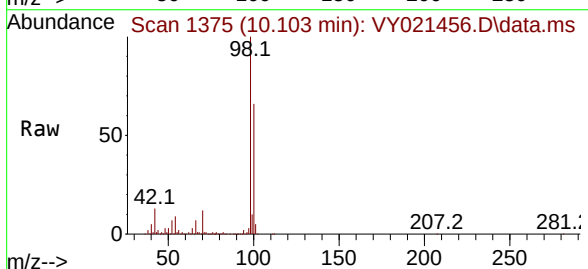
Manual Integrations
APPROVED

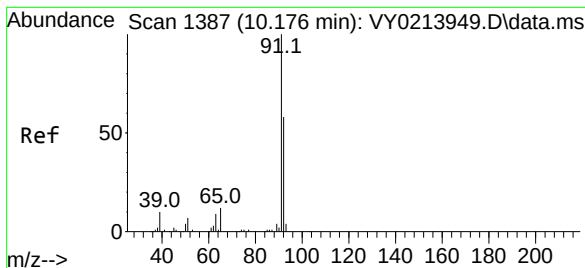
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#50
Toluene-d8
Concen: 46.692 ug/l m
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

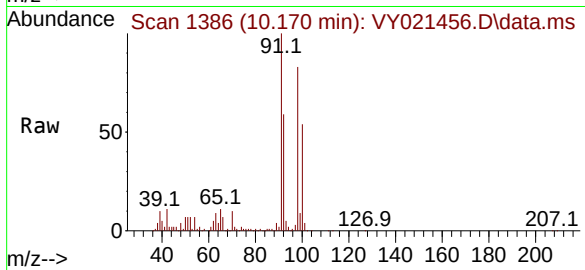
Tgt Ion: 98 Resp: 592793
Ion Ratio Lower Upper
98 100
100 46.6 52.1 78.1#





#52
Toluene
Concen: 14.090 ug/l m
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

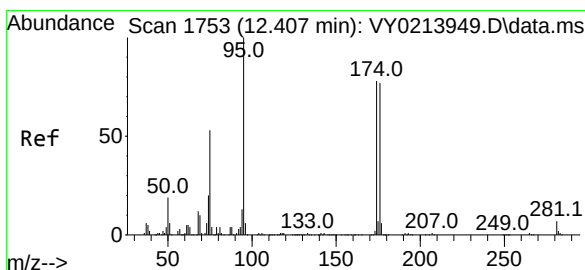
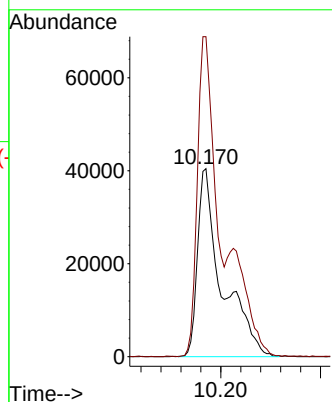
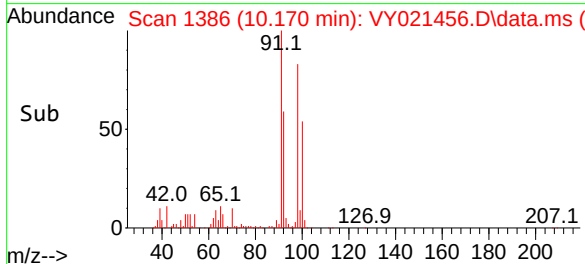
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion: 92 Resp: 13734
Ion Ratio Lower Upper
92 100
91 122.7 138.2 207.2

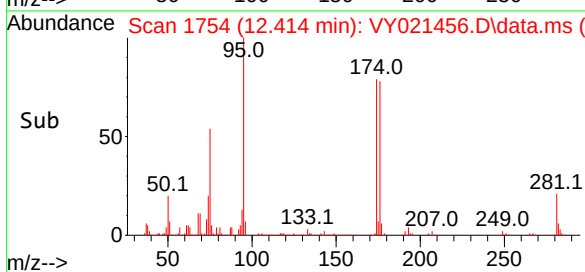
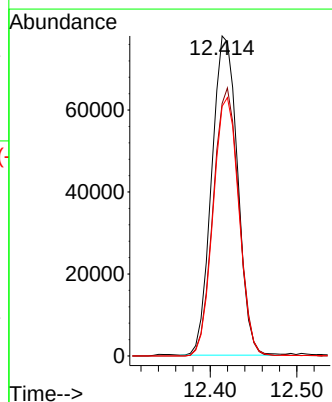
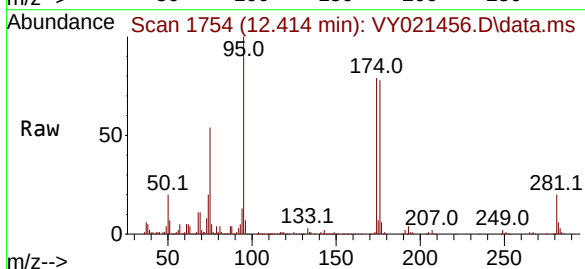
Manual Integrations
APPROVED

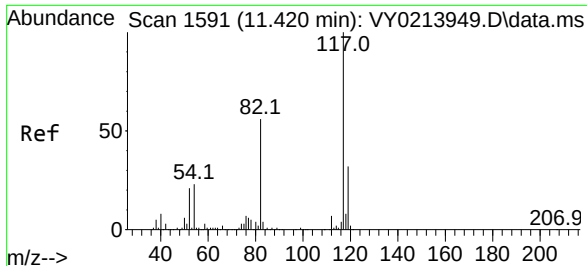
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#62
4-Bromofluorobenzene
Concen: 37.425 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

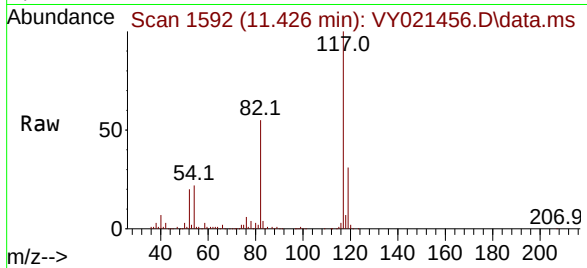
Tgt Ion: 95 Resp: 161622
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.0
176 80.7 0.0 160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

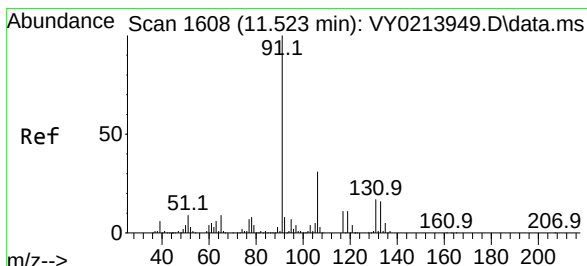
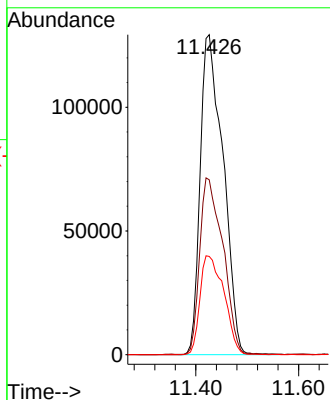
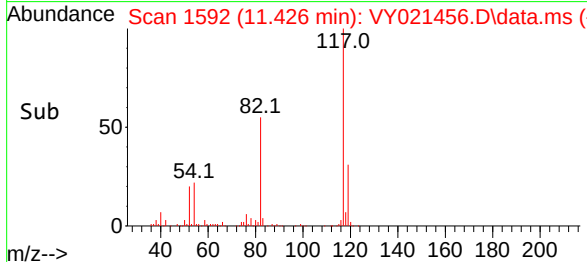
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion:117 Resp: 39986
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 30.7 25.4 38.0

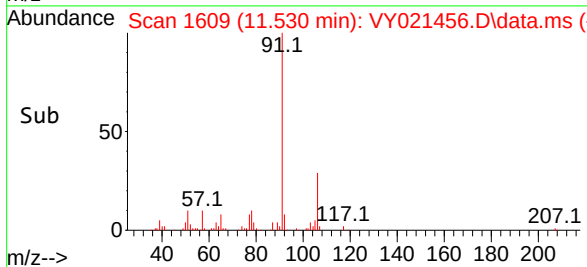
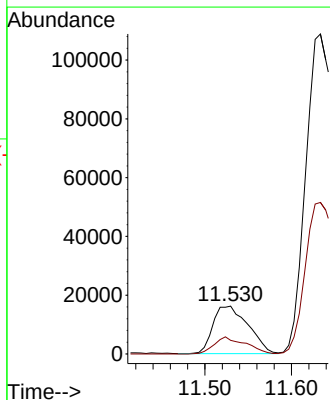
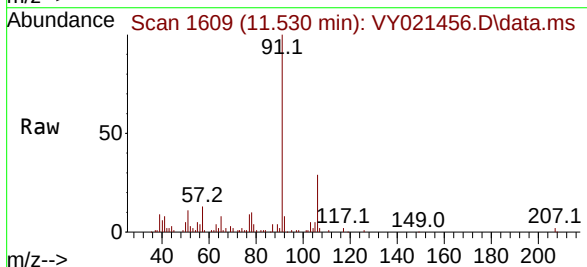
Manual Integrations
APPROVED

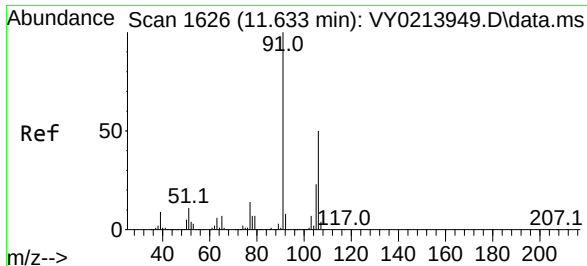
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#67
Ethyl Benzene
Concen: 2.769 ug/l
RT: 11.530 min Scan# 1609
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

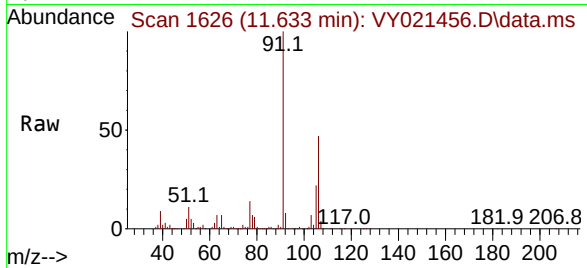
Tgt Ion: 91 Resp: 45890
Ion Ratio Lower Upper
91 100
106 28.7 24.6 36.8





#68
m/p-Xylenes
Concen: 23.244 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

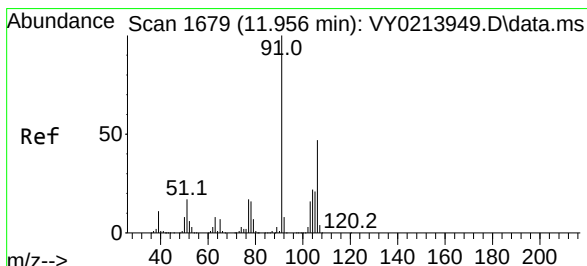
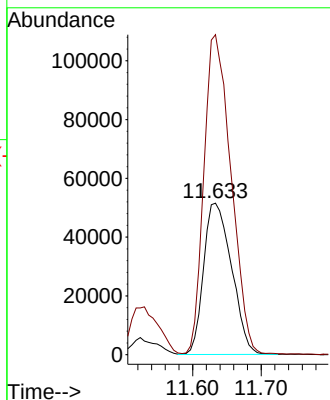
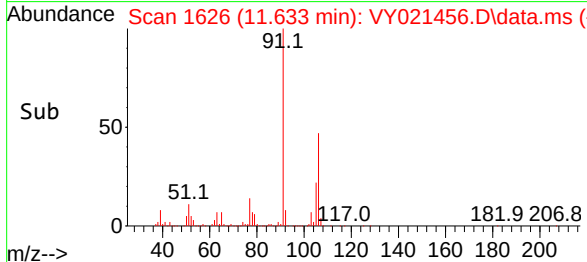
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion:106 Resp: 14625
Ion Ratio Lower Upper
106 100
91 204.5 161.7 242.5

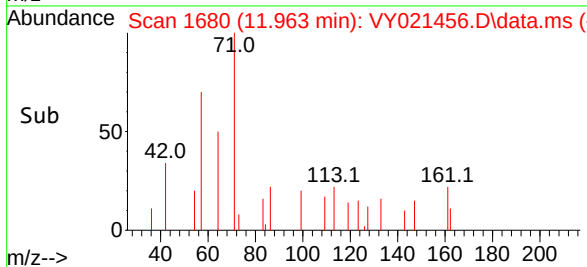
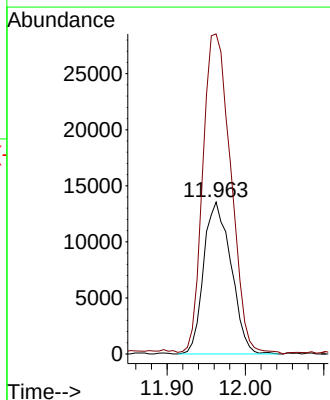
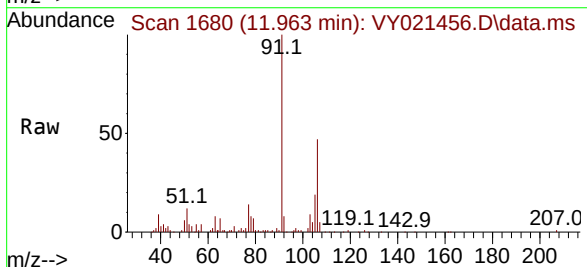
Manual Integrations
APPROVED

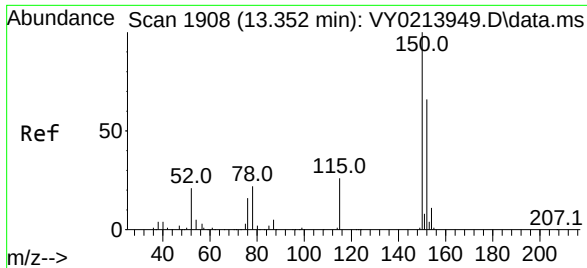
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#69
o-Xylene
Concen: 5.672 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

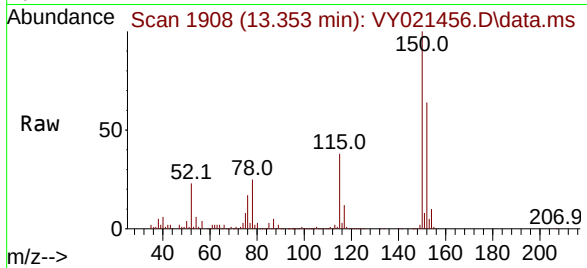
Tgt Ion:106 Resp: 32895
Ion Ratio Lower Upper
106 100
91 216.0 107.6 322.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

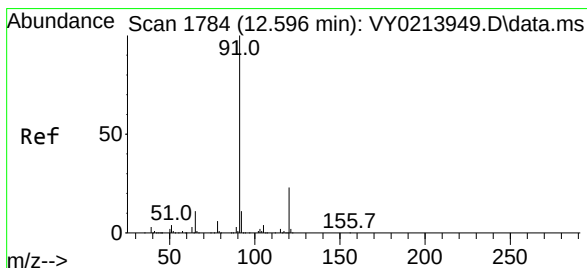
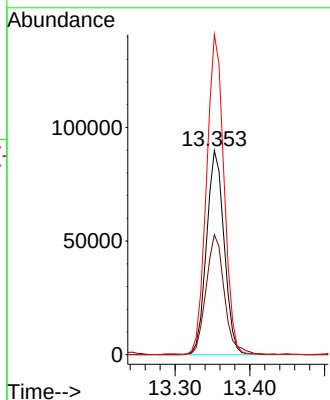
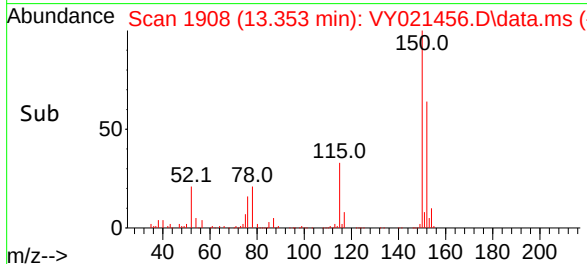
Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion:152 Resp: 147292
Ion Ratio Lower Upper
152 100
115 61.0 29.0 87.0
150 155.5 0.0 347.2

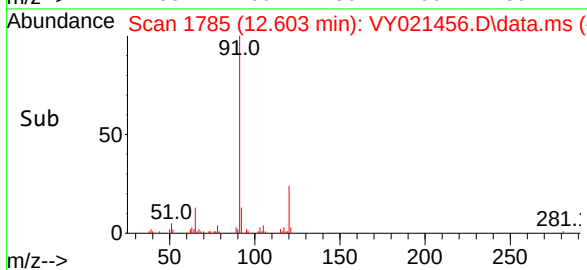
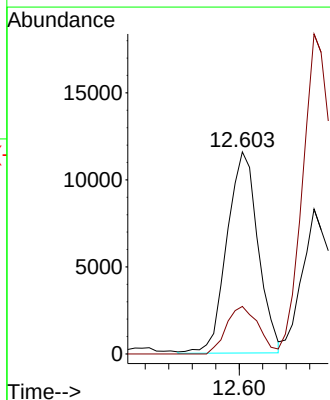
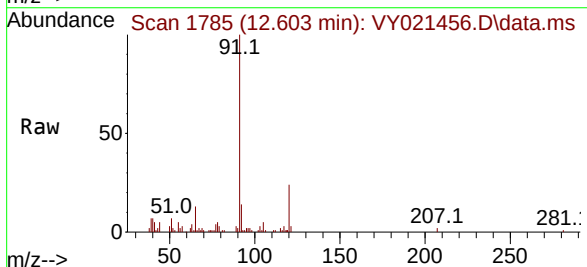
Manual Integrations
APPROVED

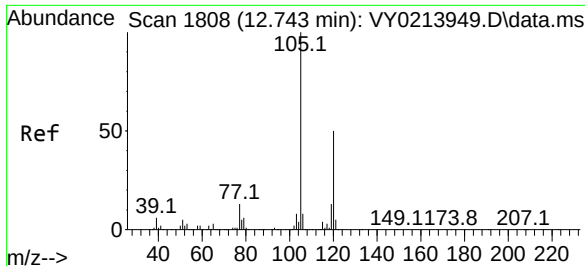
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#78
n-propylbenzene
Concen: 1.511 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

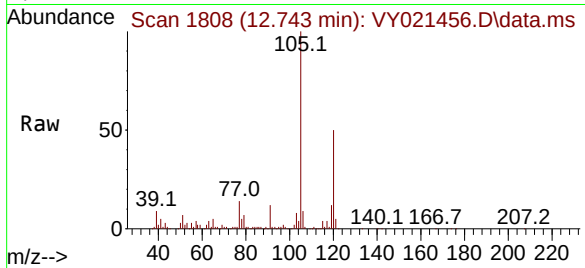
Tgt Ion: 91 Resp: 21286
Ion Ratio Lower Upper
91 100
120 24.4 11.3 33.8





#80
 1,3,5-Trimethylbenzene
 Concen: 14.214 ug/l
 RT: 12.743 min Scan# 1808
 Delta R.T. 0.000 min
 Lab File: VY021456.D
 Acq: 07 Mar 2025 13:18

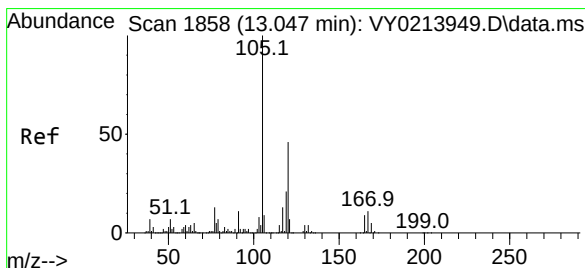
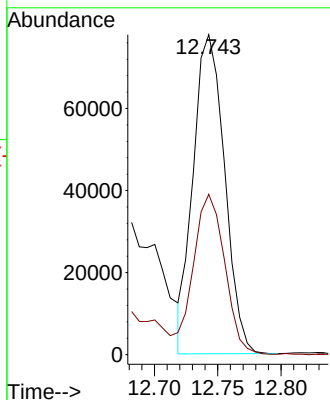
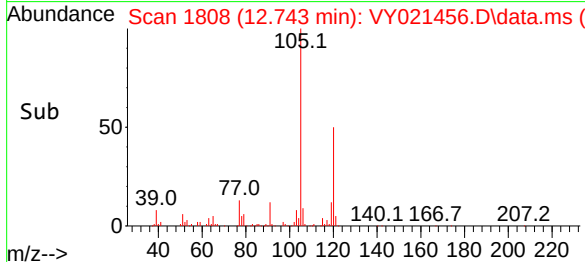
Instrument :
 MSVOA_Y
 ClientSampleId :
 DSP2



Tgt Ion:105 Resp: 134024
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.6 73.6

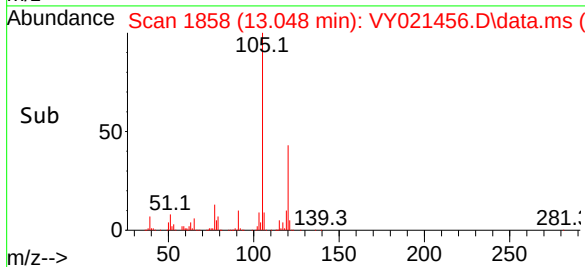
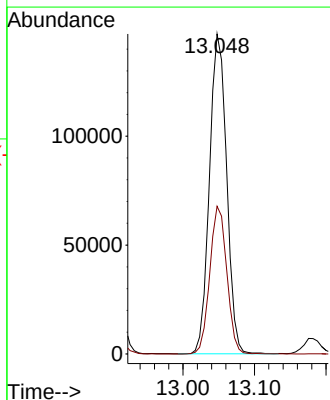
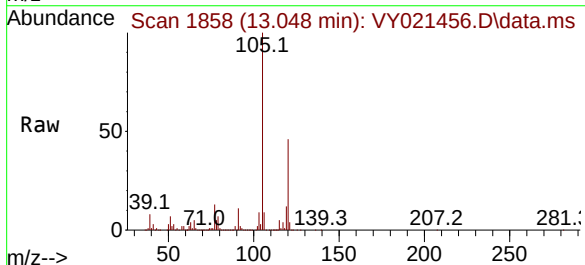
Manual Integrations
 APPROVED

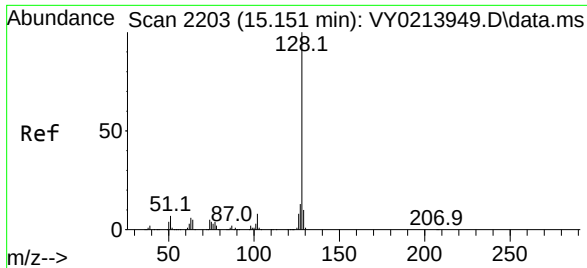
Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 26.162 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY021456.D
 Acq: 07 Mar 2025 13:18

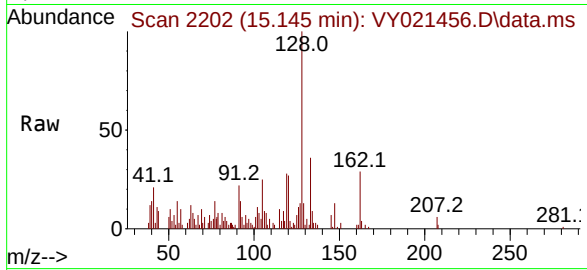
Tgt Ion:105 Resp: 244921
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1





#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :
DSP2



Tgt Ion:128 Resp: 952
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 12.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

