

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022516.D
 Acq On : 03 Jun 2025 12:40
 Operator : SY/MD
 Sample : Q2155-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 447-SOLID

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 03 14:14:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	270309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	482412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	346143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139501	46.143	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.280%		
35) Dibromofluoromethane	7.634	113	140229	48.700	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.400%		
50) Toluene-d8	10.109	98	564787	48.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.408	95	117499	33.895	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.800%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	47343	219.251	ug/l	98
15) Acrylonitrile	5.080	53	4221m	6.285	ug/l	
16) Acetone	3.873	43	164980	268.706	ug/l	99
20) Methylene Chloride	4.616	84	3866	1.108	ug/l #	78
25) 2-Butanone	6.896	43	56061	63.301	ug/l	95
59) 2-Hexanone	10.762	43	14967	9.973	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	13034	2.510	ug/l	95
86) p-Isopropyltoluene	13.292	119	21459	3.647	ug/l #	78

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

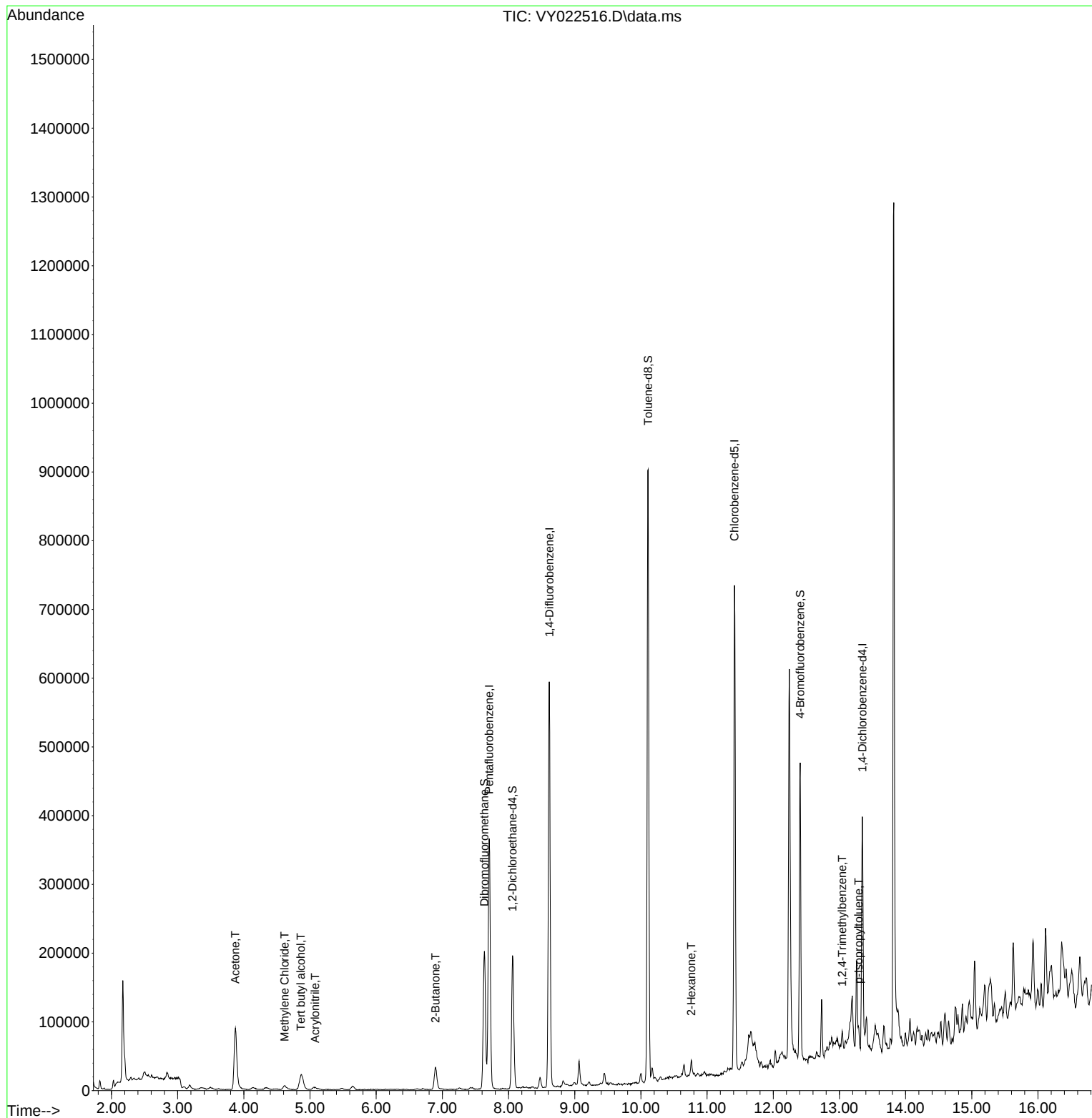
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022516.D
Acq On : 03 Jun 2025 12:40
Operator : SY/MD
Sample : Q2155-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

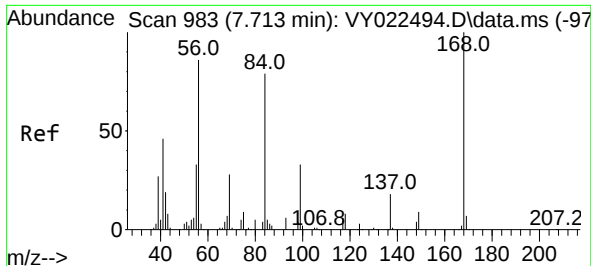
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

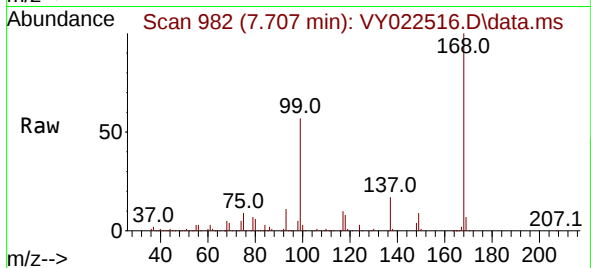
Quant Time: Jun 03 14:14:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

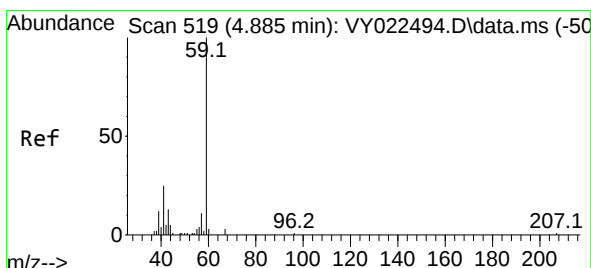
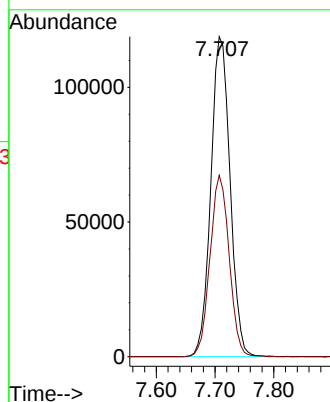
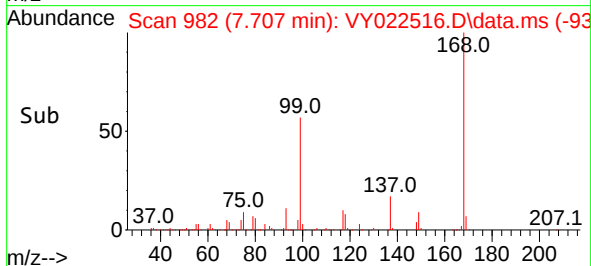
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



Tgt Ion:168 Resp: 270309
Ion Ratio Lower Upper
168 100
99 56.7 44.3 66.5

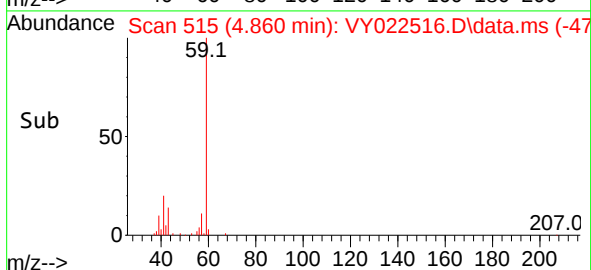
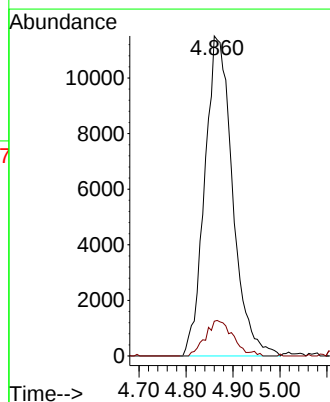
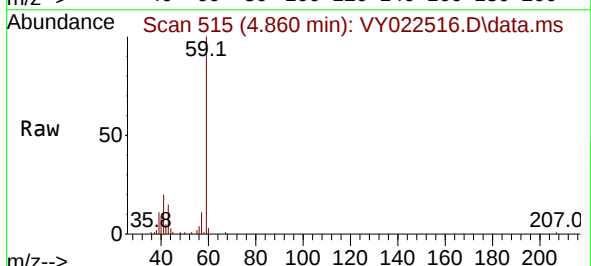
Manual Integrations
APPROVED

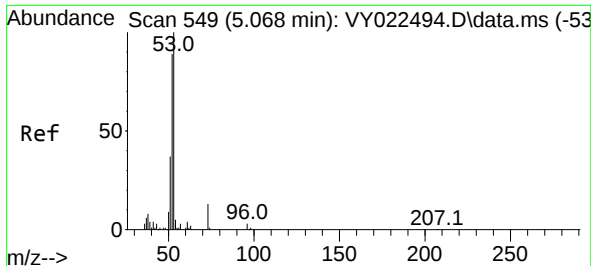
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#11
Tert butyl alcohol
Concen: 219.251 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.025 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

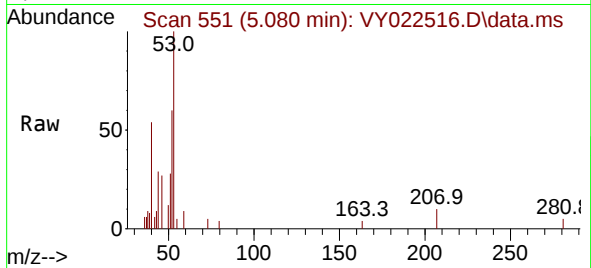
Tgt Ion: 59 Resp: 47343
Ion Ratio Lower Upper
59 100
57 10.7 8.0 12.0





#15
Acrylonitrile
Concen: 6.285 ug/l m
RT: 5.080 min Scan# 511
Delta R.T. 0.012 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

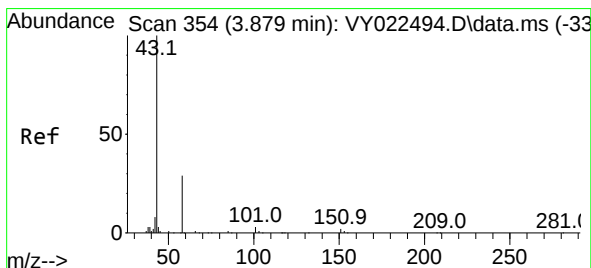
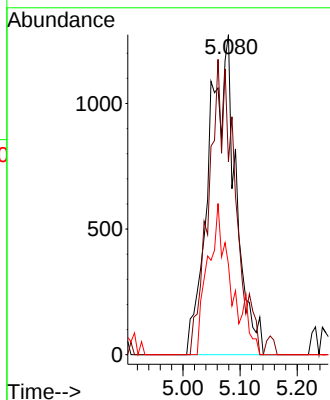
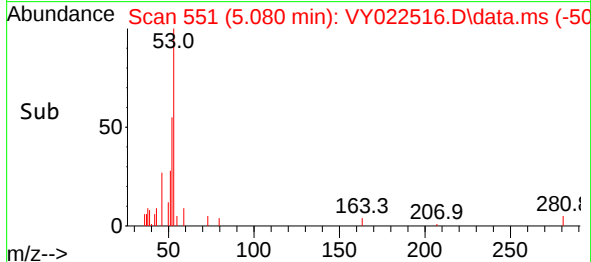
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



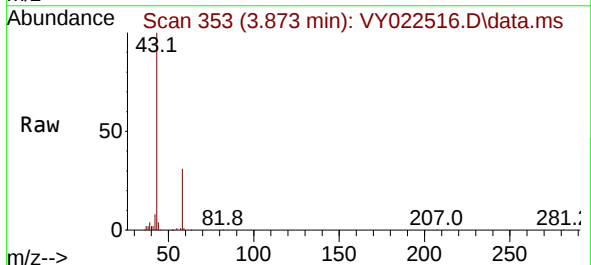
Tgt Ion: 53 Resp: 422
Ion Ratio Lower Upper
53 100
52 88.6 65.7 98.5
51 40.6 30.1 45.1

Manual Integrations
APPROVED

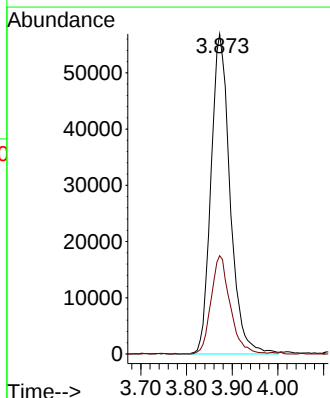
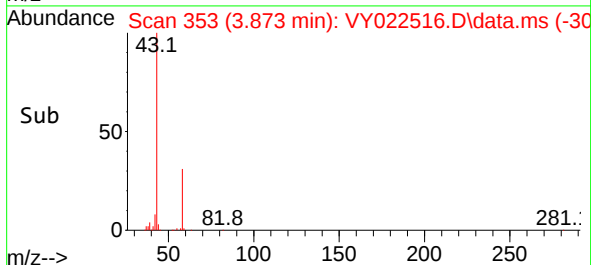
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

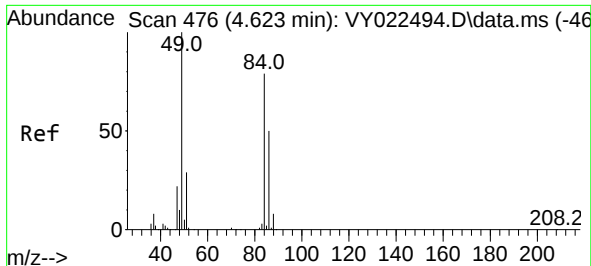


#16
Acetone
Concen: 268.706 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40



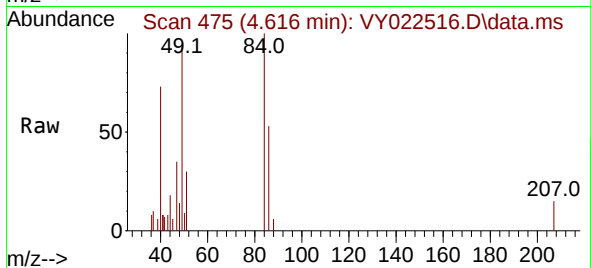
Tgt Ion: 43 Resp: 164980
Ion Ratio Lower Upper
43 100
58 30.7 24.0 36.0





#20
Methylene Chloride
Concen: 1.108 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

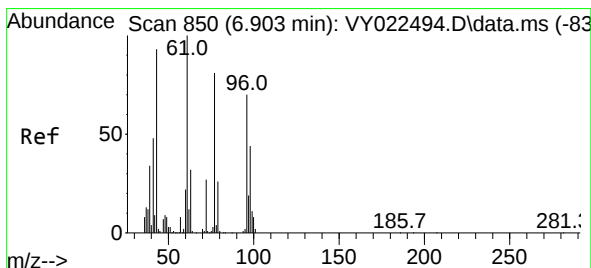
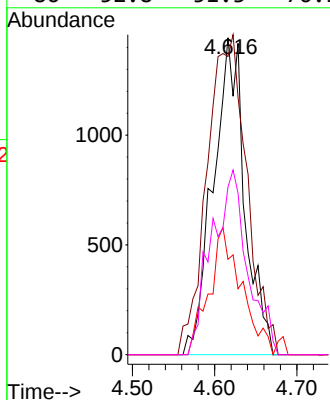
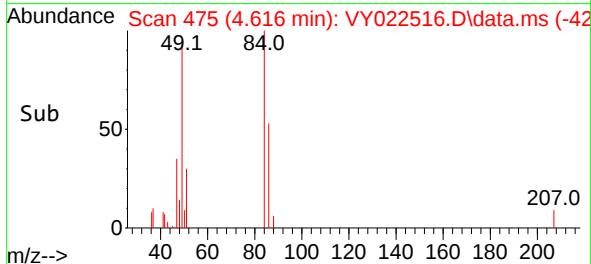
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



Tgt Ion: 84 Resp: 3860
Ion Ratio Lower Upper
84 100
49 94.1 101.9 152.9
51 30.1 29.8 44.8
86 52.8 51.3 76.9

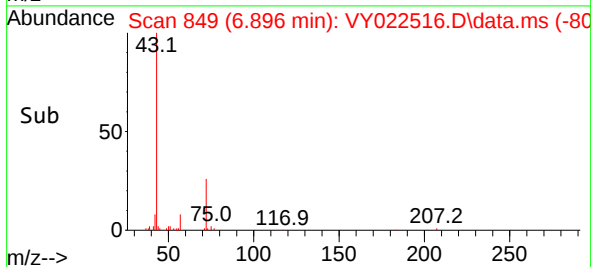
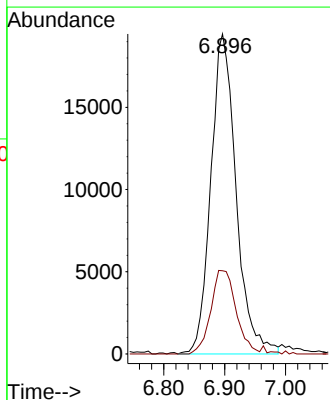
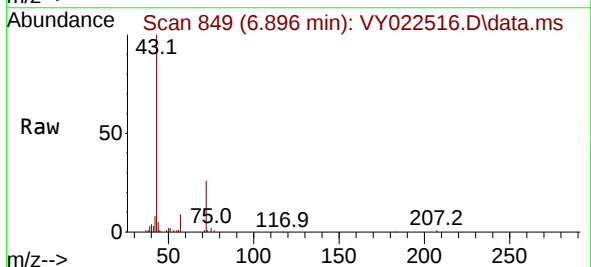
Manual Integrations
APPROVED

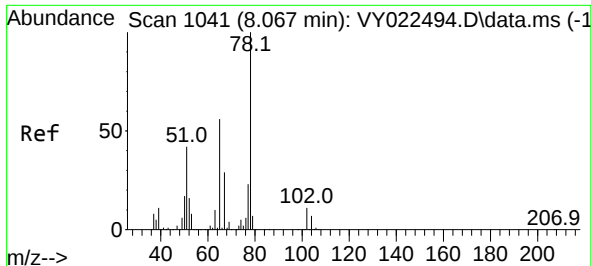
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#25
2-Butanone
Concen: 63.301 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

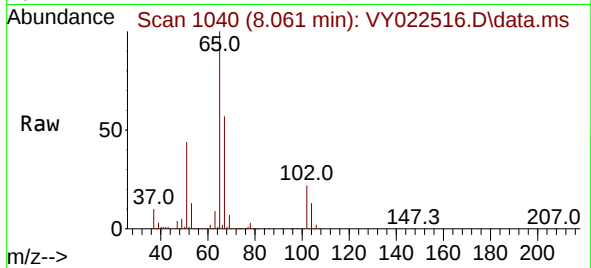
Tgt Ion: 43 Resp: 56061
Ion Ratio Lower Upper
43 100
72 26.0 22.9 34.3





#33
1,2-Dichloroethane-d4
Concen: 46.143 ug/l
RT: 8.061 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

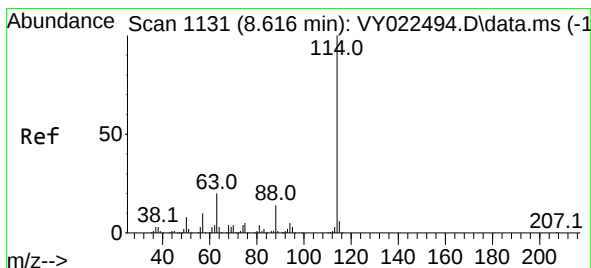
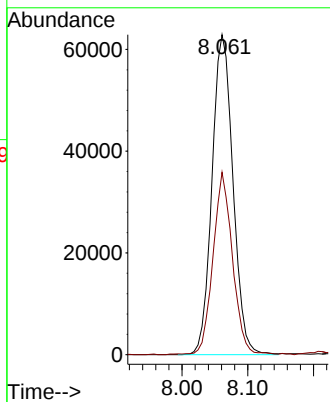
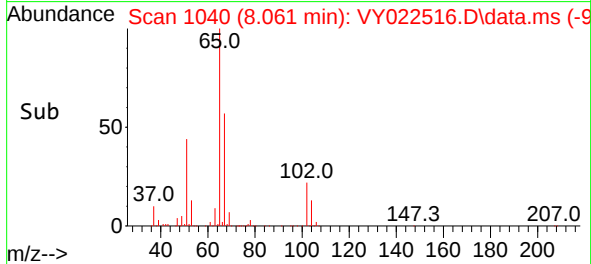
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



Tgt Ion: 65 Resp: 13950
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.4

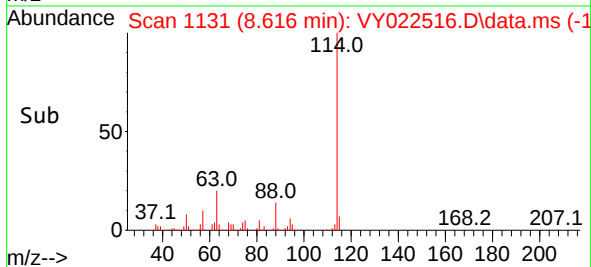
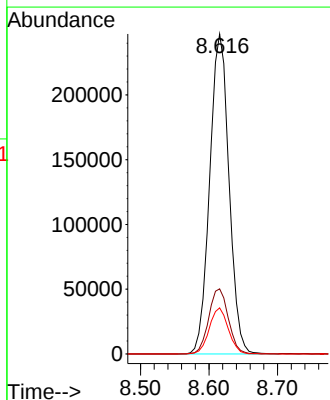
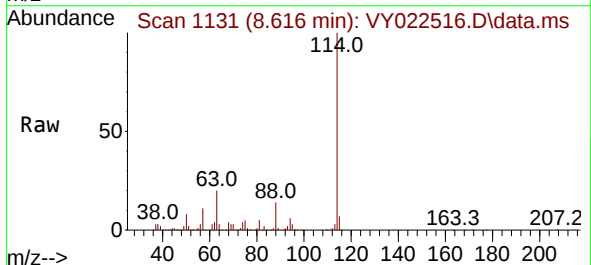
Manual Integrations
APPROVED

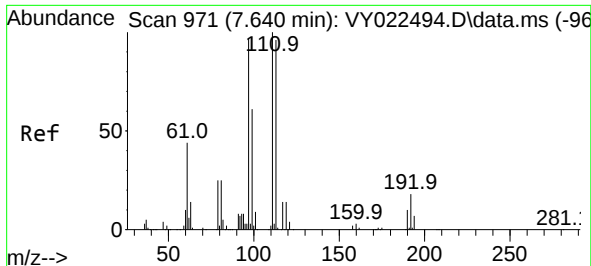
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

Tgt Ion:114 Resp: 482412
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.4 0.0 27.8





#35

Dibromofluoromethane

Concen: 48.700 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022516.D

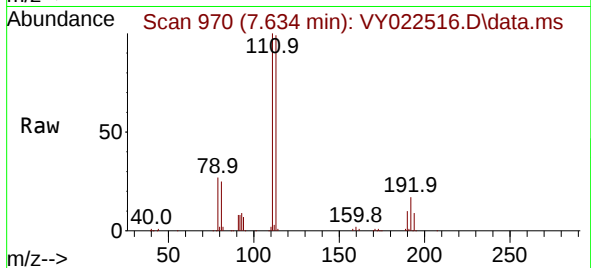
Acq: 03 Jun 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

447-SOLID



Tgt Ion:113 Resp: 140229

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

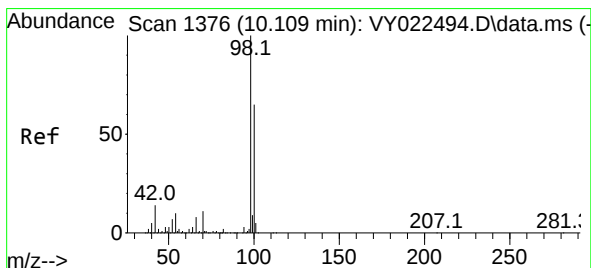
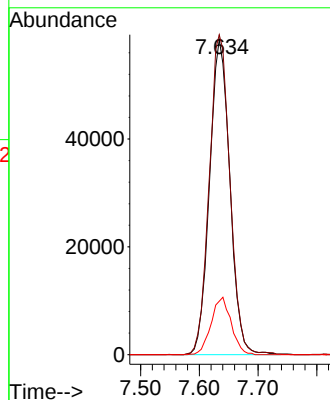
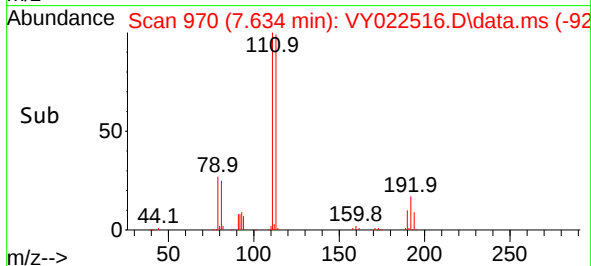
192 18.0 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#50

Toluene-d8

Concen: 48.543 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022516.D

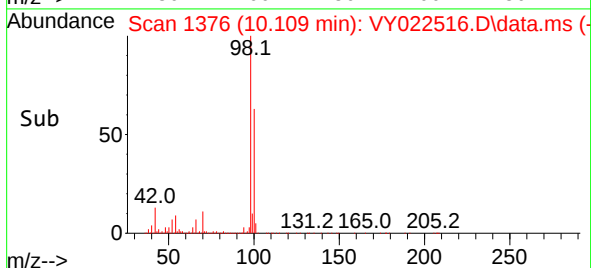
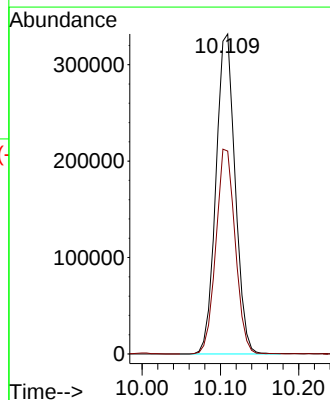
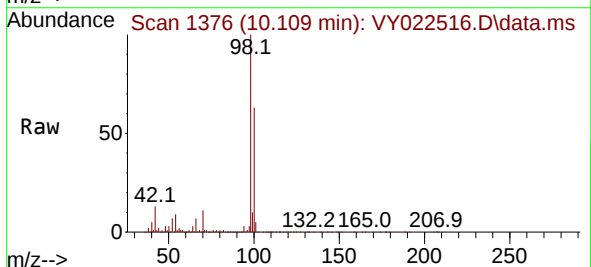
Acq: 03 Jun 2025 12:40

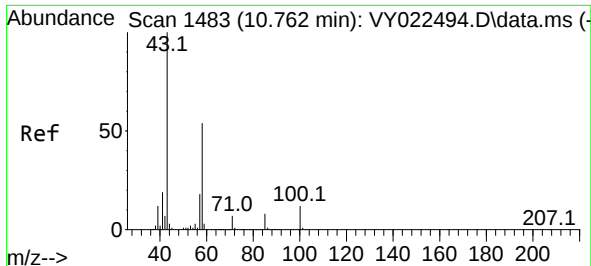
Tgt Ion: 98 Resp: 564787

Ion Ratio Lower Upper

98 100

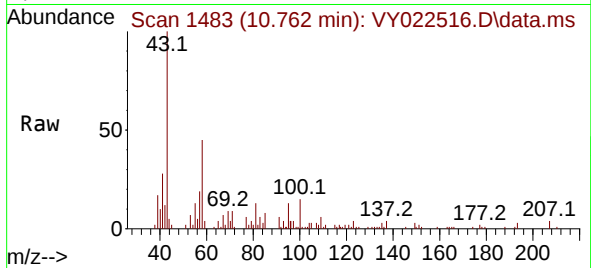
100 64.5 51.4 77.0





#59
2-Hexanone
Concen: 9.973 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

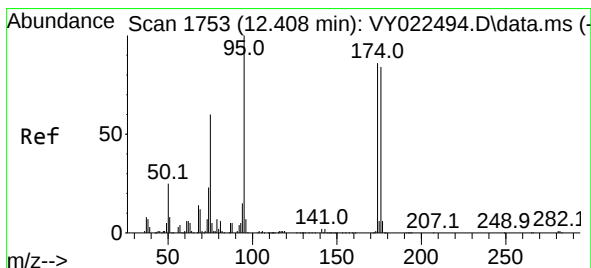
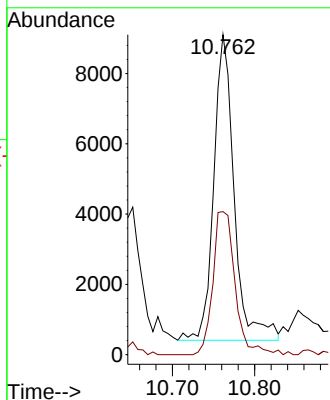
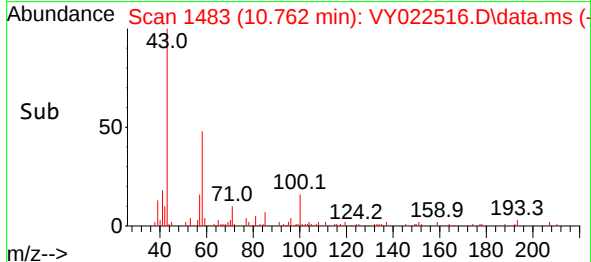
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



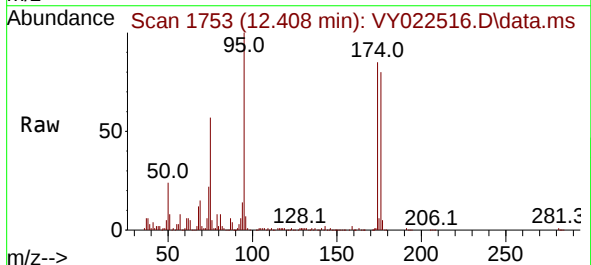
Tgt Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
58 51.4 27.3 81.8

Manual Integrations
APPROVED

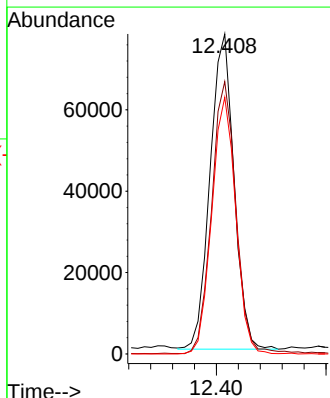
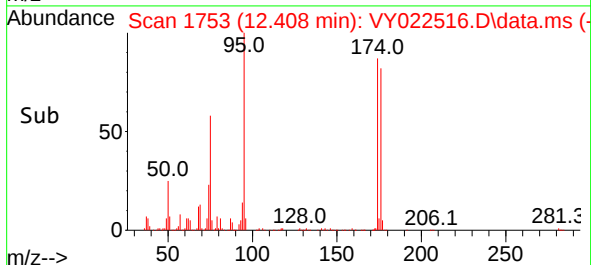
Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

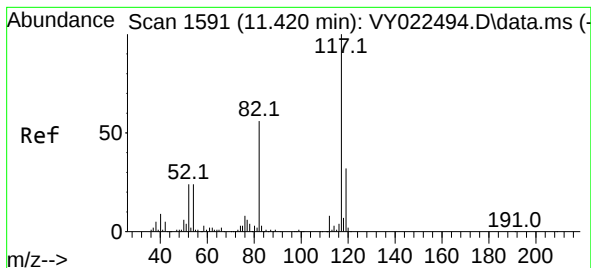


#62
4-Bromofluorobenzene
Concen: 33.895 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40



Tgt Ion: 95 Resp: 117499
Ion Ratio Lower Upper
95 100
174 88.0 0.0 170.0
176 81.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022516.D

Acq: 03 Jun 2025 12:40

Instrument :

MSVOA_Y

ClientSampleId :

447-SOLID

Tgt Ion:117 Resp: 34614

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

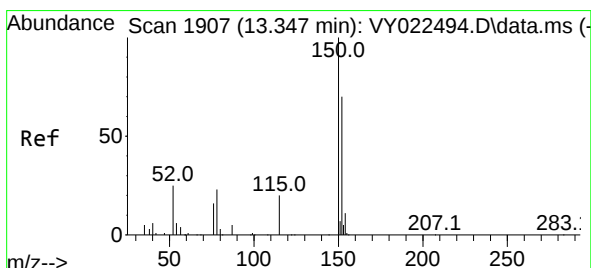
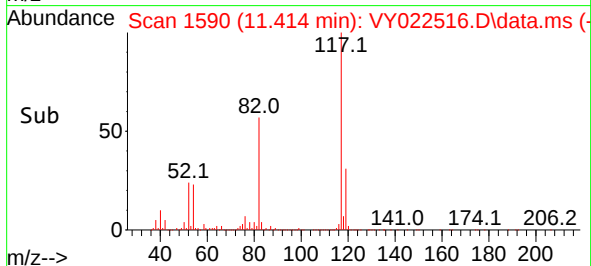
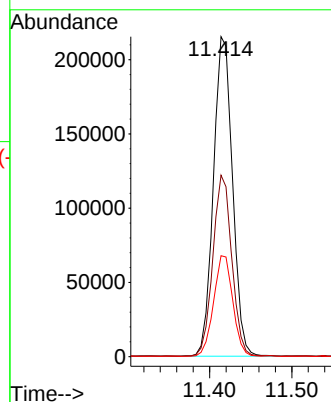
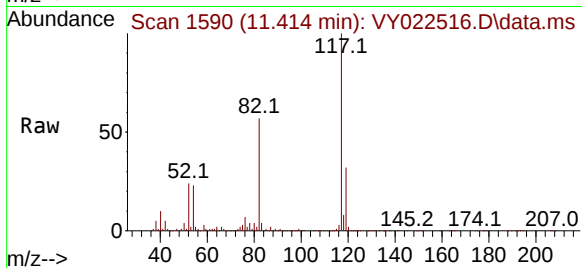
119 31.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025

Supervised By :Semsettin Yesilyurt 06/04/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022516.D

Acq: 03 Jun 2025 12:40

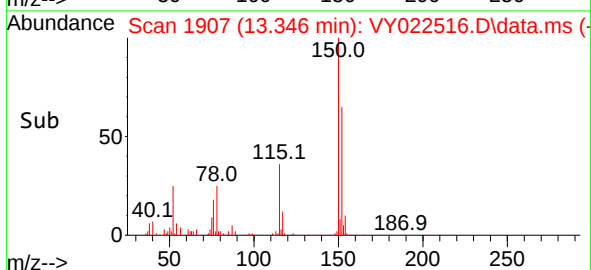
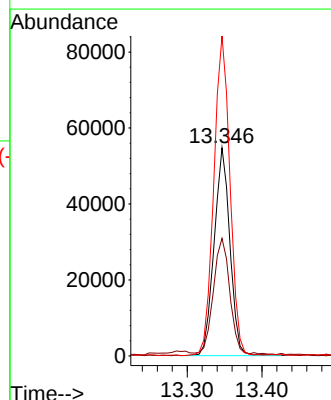
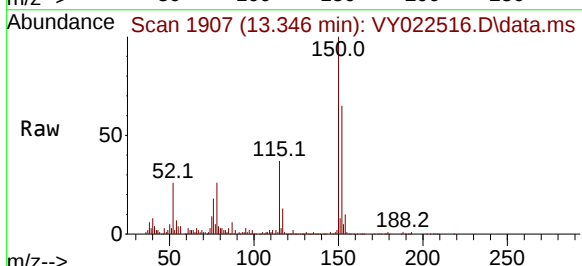
Tgt Ion:152 Resp: 80565

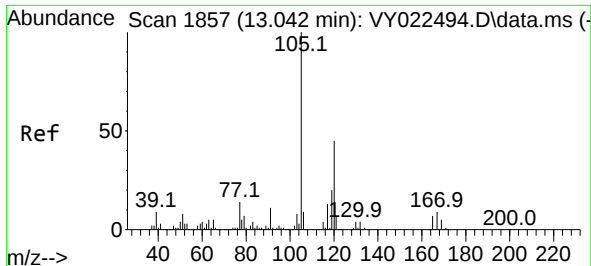
Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

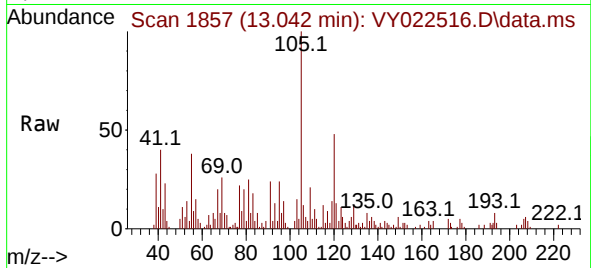
150 156.6 0.0 349.6





#84
1,2,4-Trimethylbenzene
Concen: 2.510 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

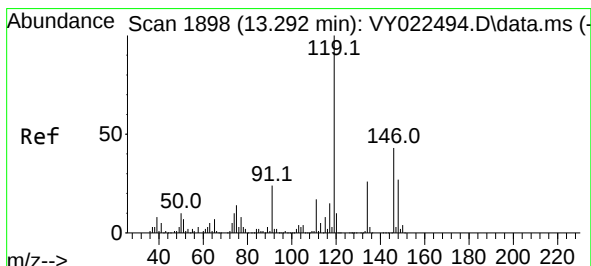
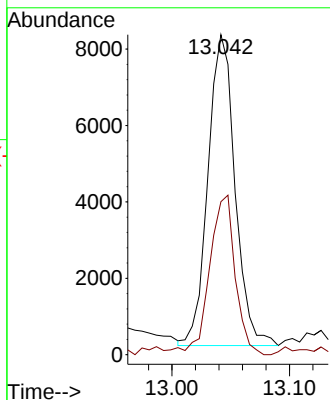
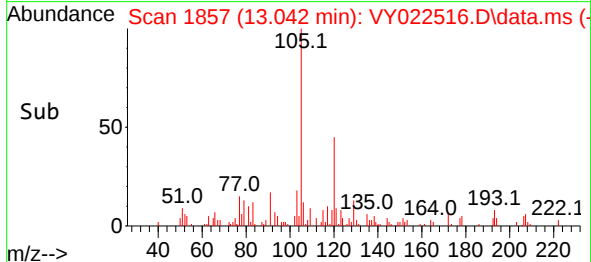
Instrument :
MSVOA_Y
ClientSampleId :
447-SOLID



Tgt Ion:105 Resp: 13034
Ion Ratio Lower Upper
105 100
120 48.7 22.7 68.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



#86
p-Isopropyltoluene
Concen: 3.647 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022516.D
Acq: 03 Jun 2025 12:40

Tgt Ion:119 Resp: 21459
Ion Ratio Lower Upper
119 100
134 26.2 13.1 39.1
91 0.0 11.6 34.8#

