

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021478.D
 Acq On : 11 Mar 2025 12:01
 Operator : SY/MD
 Sample : Q1463-02
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T2

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 06:43:47 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	302993m	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.603	114	461439m	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.426	117	363901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	129475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	127510m	39.816	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.640%		
35) Dibromofluoromethane	7.622	113	113022m	37.263	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	74.520%		
50) Toluene-d8	10.103	98	541391m	47.142	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.414	95	144941	37.103	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.200%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.866	142	28491	8.210	ug/l	94
20) Methylene Chloride	4.525	84	50714m	13.832	ug/l	
52) Toluene	10.170	92	69898m	7.927	ug/l	
67) Ethyl Benzene	11.524	91	25136	1.667	ug/l	94
68) m/p-Xylenes	11.639	106	63055	11.011	ug/l	99
69) o-Xylene	11.956	106	22273	4.220	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	17440	2.104	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	30286	3.680	ug/l	99
95) Naphthalene	15.151	128	3892	2.557	ug/l #	87

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

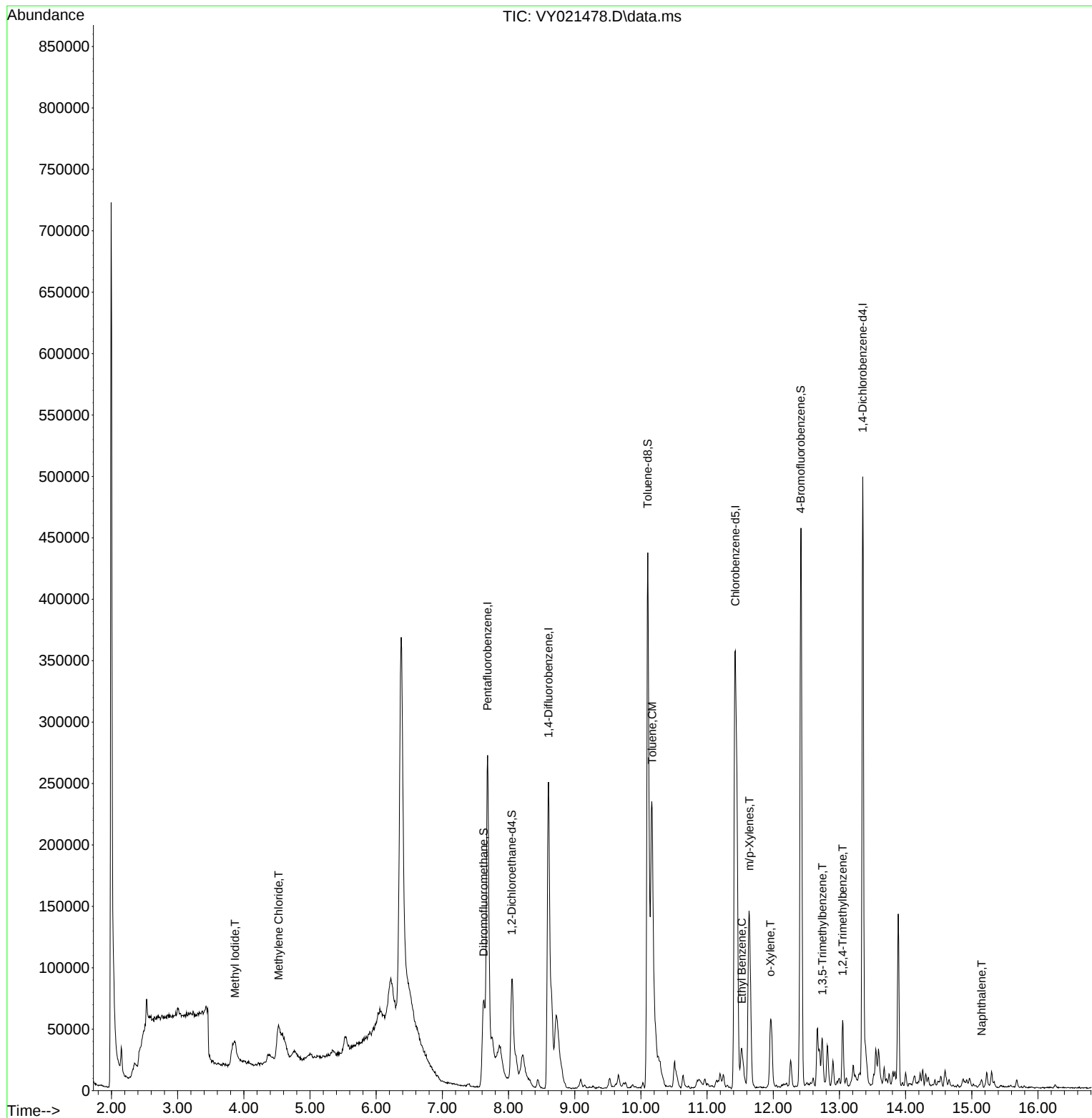
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021478.D
Acq On : 11 Mar 2025 12:01
Operator : SY/MD
Sample : Q1463-02
Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Mar 12 06:43:47 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

Manual Integrations
APPROVED

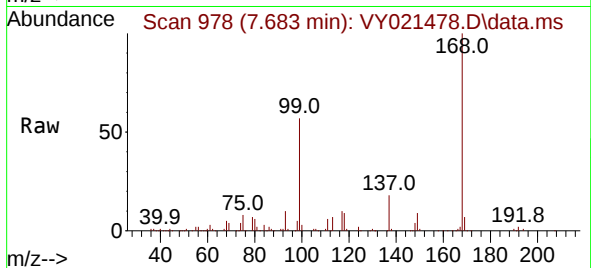
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.683 min Scan# 91
Delta R.T. -0.030 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

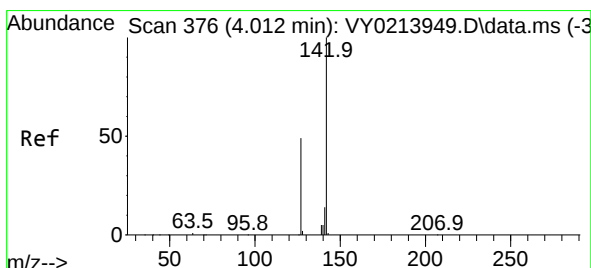
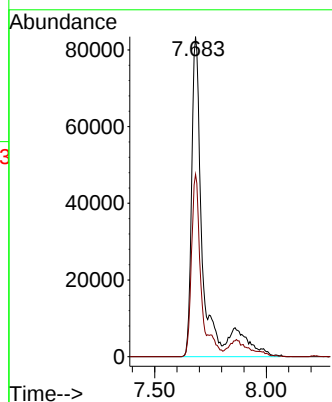
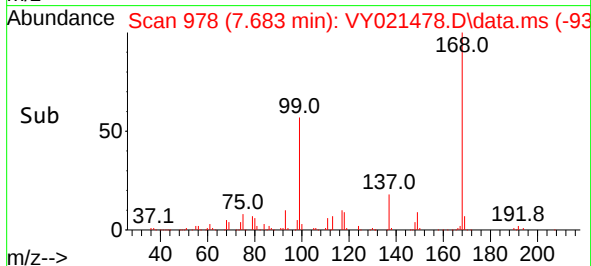
Instrument :
MSVOA_Y
ClientSampleId :
T2



Tgt Ion:168 Resp: 30299
Ion Ratio Lower Upper
168 100
99 57.0 46.0 69.0

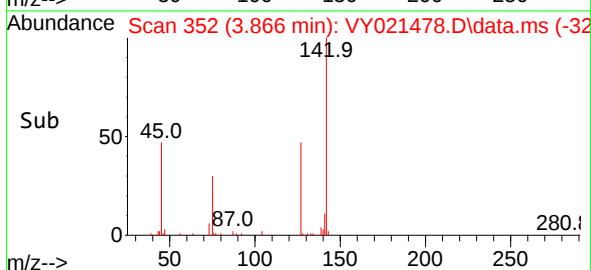
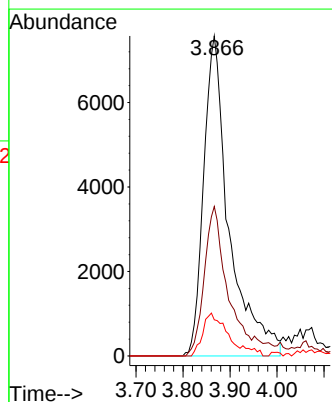
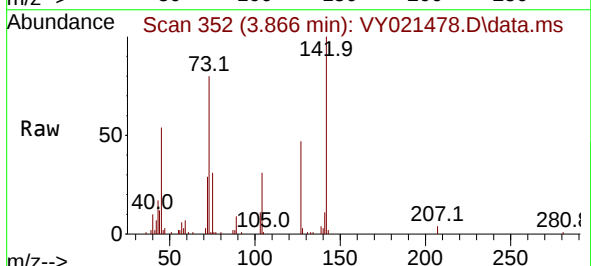
Manual Integrations
APPROVED

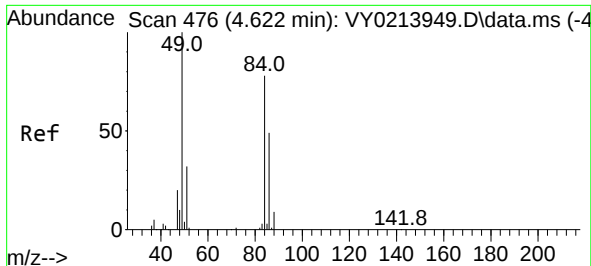
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#10
Methyl Iodide
Concen: 8.210 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.146 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:142 Resp: 28491
Ion Ratio Lower Upper
142 100
127 45.3 39.1 58.7
141 12.1 11.8 17.6





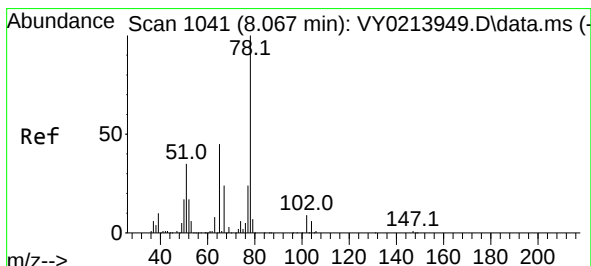
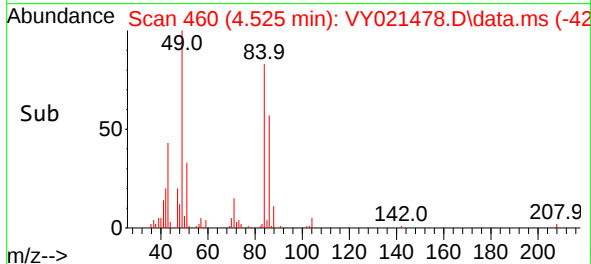
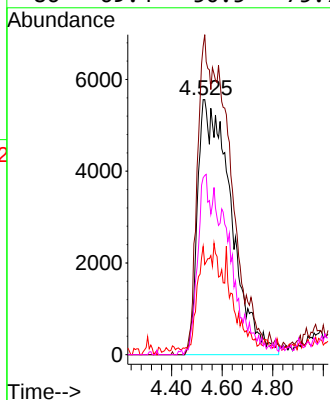
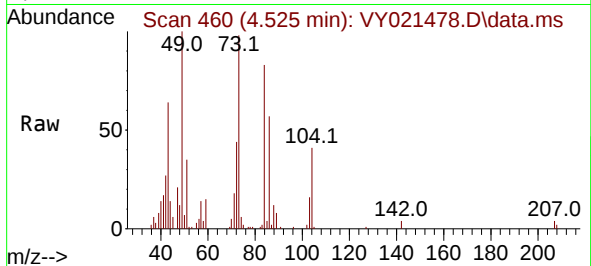
#20
Methylene Chloride
Concen: 13.832 ug/l m
RT: 4.525 min Scan# 40
Delta R.T. -0.097 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 84 Resp: 50714
Ion Ratio Lower Upper
84 100
49 120.9 102.0 153.0
51 42.4 33.0 49.6
86 69.4 50.5 75.7

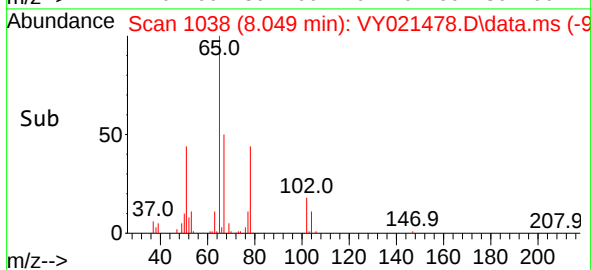
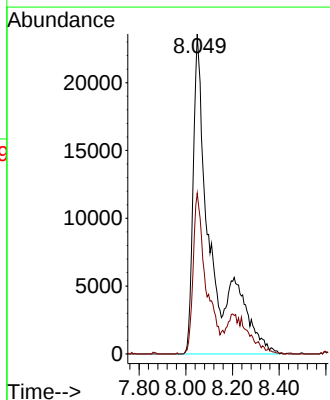
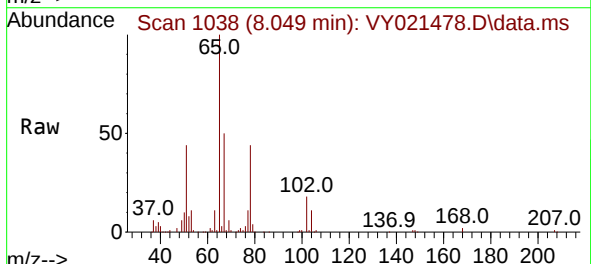
Manual Integrations
APPROVED

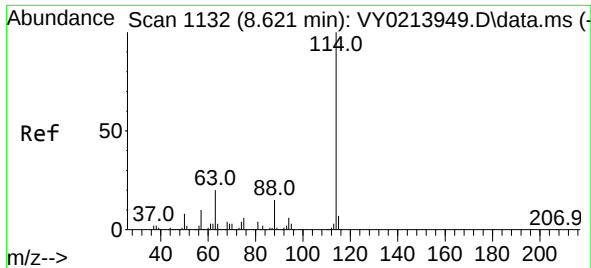
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#33
1,2-Dichloroethane-d4
Concen: 39.816 ug/l m
RT: 8.049 min Scan# 1038
Delta R.T. -0.018 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 65 Resp: 127510
Ion Ratio Lower Upper
65 100
67 35.9 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: VY021478.D

Acq: 11 Mar 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

T2

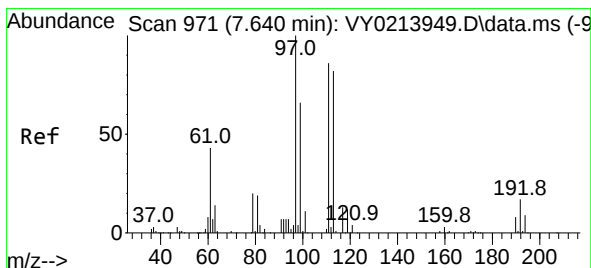
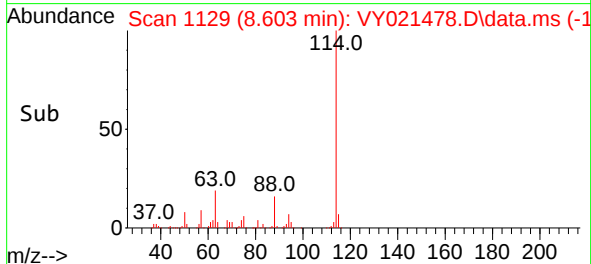
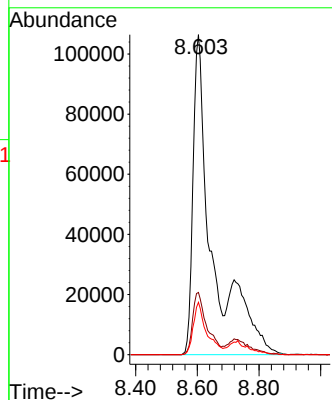
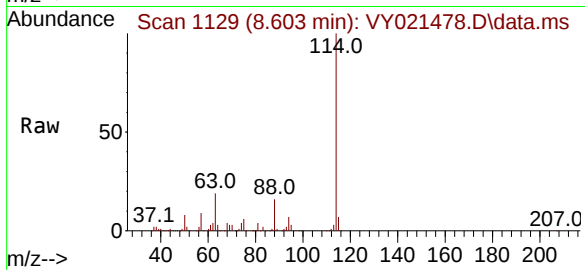
Tgt Ion:114 Resp: 461439

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	16.3	0.0	30.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#35

Dibromofluoromethane

Concen: 37.263 ug/l m

RT: 7.622 min Scan# 968

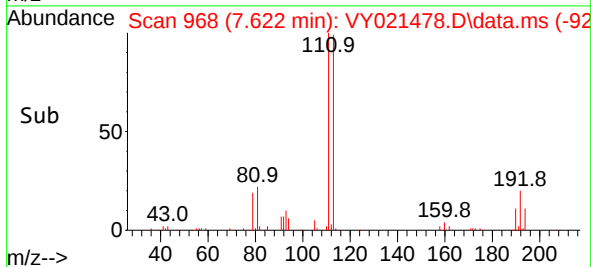
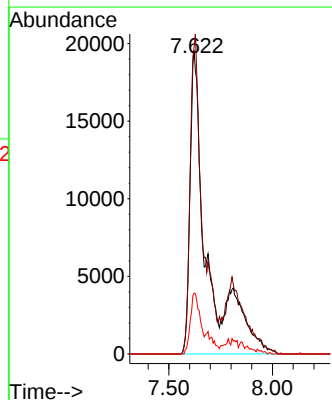
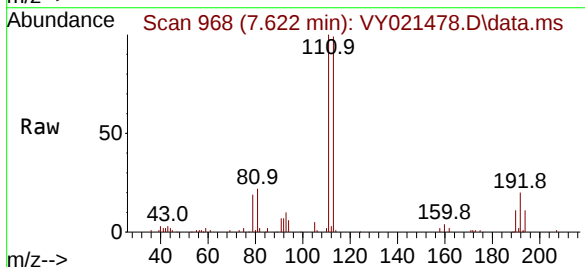
Delta R.T. -0.018 min

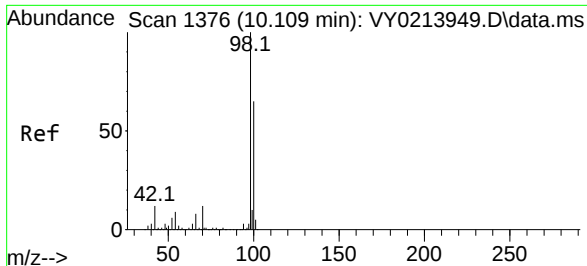
Lab File: VY021478.D

Acq: 11 Mar 2025 12:01

Tgt Ion:113 Resp: 113022

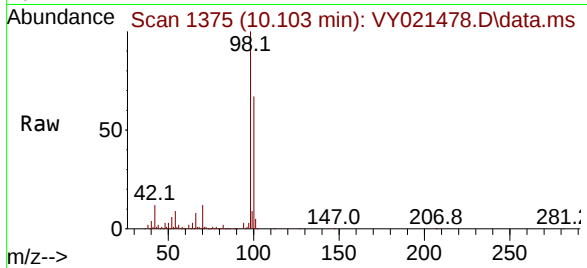
Ion	Ratio	Lower	Upper
113	100		
111	74.3	82.0	123.0#
192	11.3	15.9	23.9#





#50
Toluene-d8
Concen: 47.142 ug/l m
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

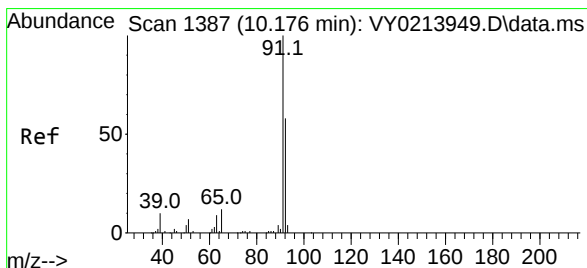
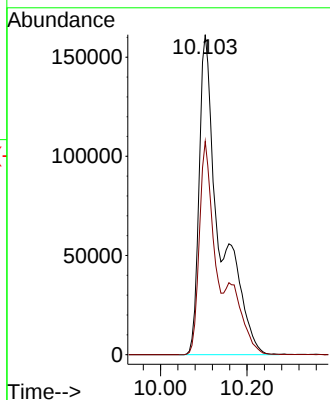
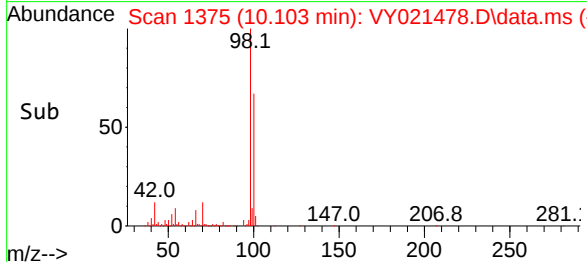
Instrument :
MSVOA_Y
ClientSampleId :
T2



Tgt Ion: 98 Resp: 54139
Ion Ratio Lower Upper
98 100
100 47.4 52.1 78.1

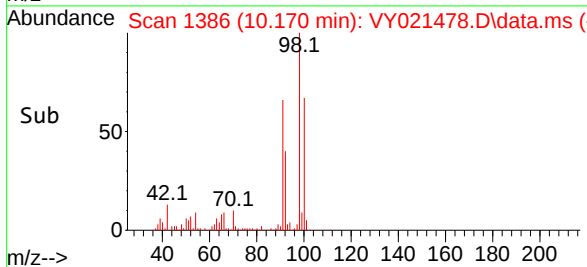
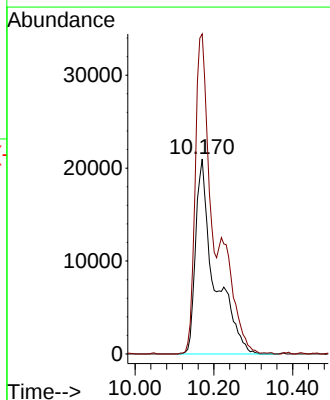
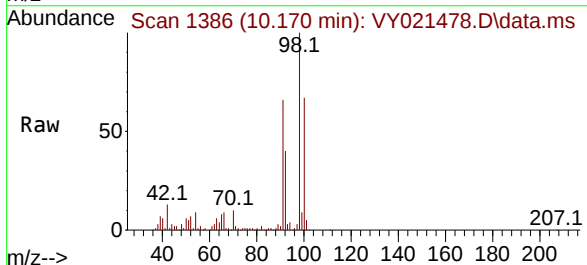
Manual Integrations
APPROVED

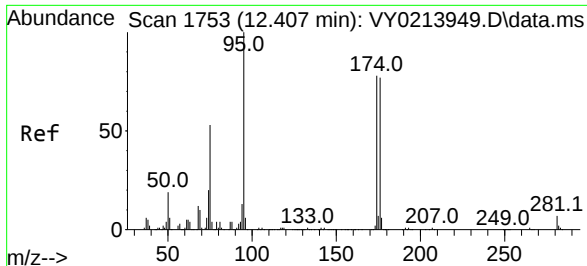
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#52
Toluene
Concen: 7.927 ug/l m
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

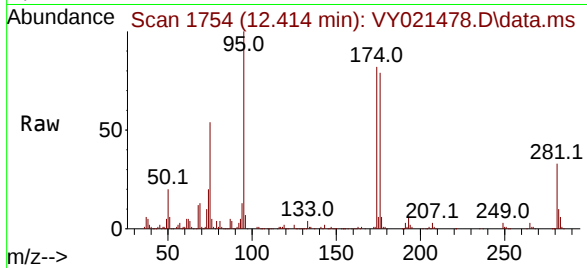
Tgt Ion: 92 Resp: 69898
Ion Ratio Lower Upper
92 100
91 123.1 138.2 207.2





#62
4-Bromofluorobenzene
Concen: 37.103 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

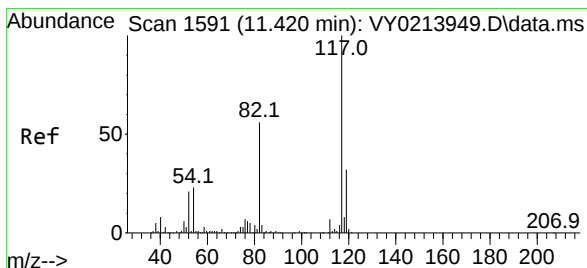
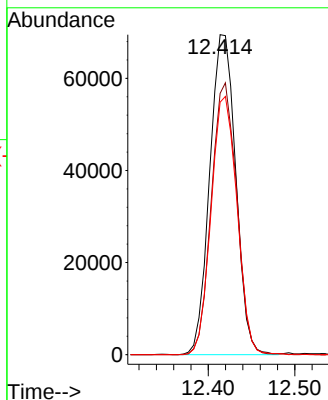
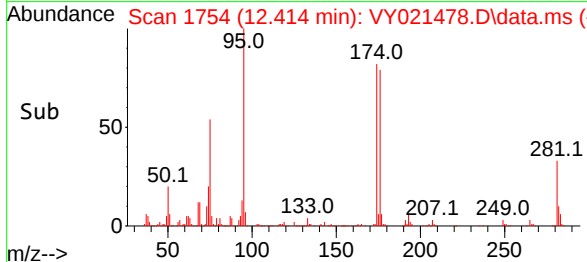
Instrument :
MSVOA_Y
ClientSampleId :
T2



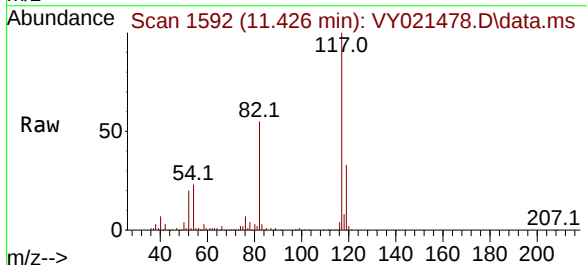
Tgt Ion: 95 Resp: 14494
Ion Ratio Lower Upper
95 100
174 83.2 0.0 165.0
176 80.4 0.0 160.0

Manual Integrations
APPROVED

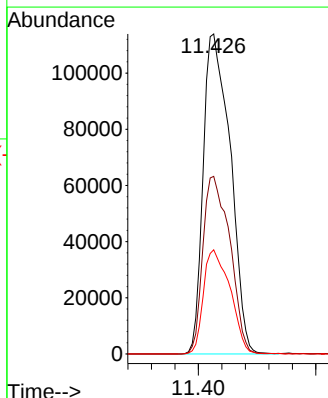
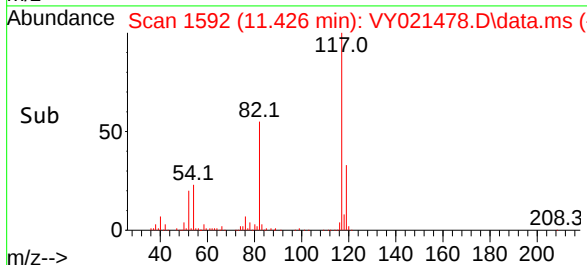
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

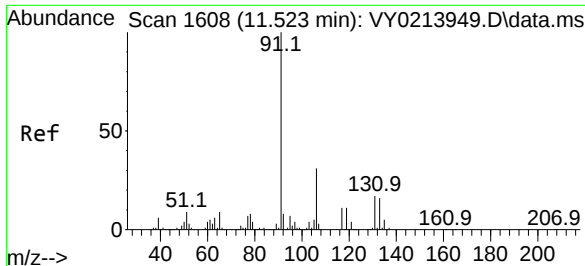


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01



Tgt Ion:117 Resp: 363901
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.5 25.4 38.0





#67

Ethyl Benzene

Concen: 1.667 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY021478.D

Acq: 11 Mar 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

T2

Tgt Ion: 91 Resp: 25130

Ion Ratio Lower Upper

91 100

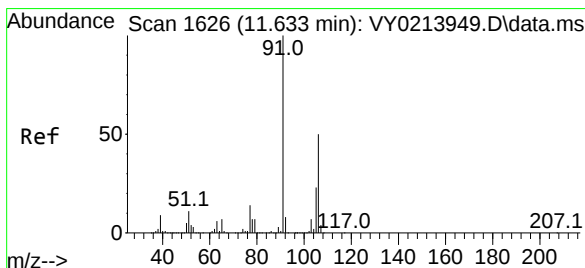
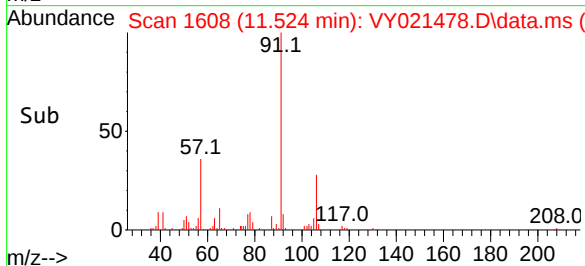
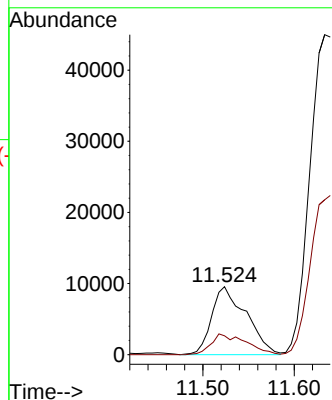
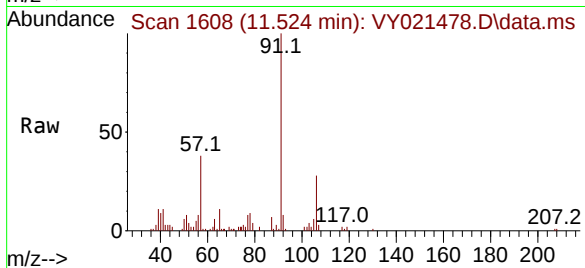
106 27.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/12/2025

Supervised By :Mahesh Dadoda 03/12/2025



#68

m/p-Xylenes

Concen: 11.011 ug/l

RT: 11.639 min Scan# 1627

Delta R.T. 0.006 min

Lab File: VY021478.D

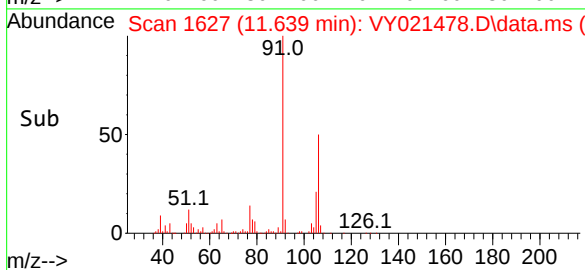
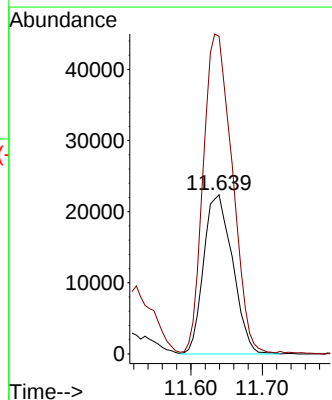
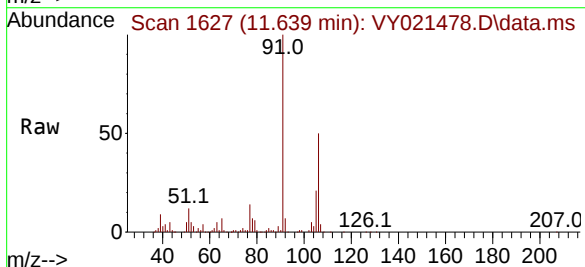
Acq: 11 Mar 2025 12:01

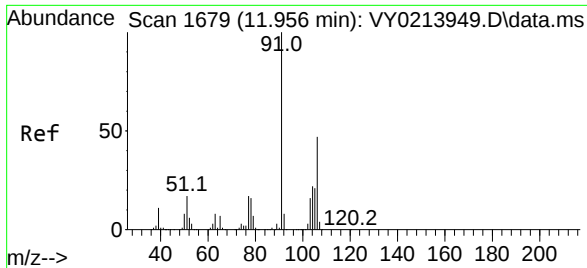
Tgt Ion:106 Resp: 63055

Ion Ratio Lower Upper

106 100

91 199.9 161.7 242.5





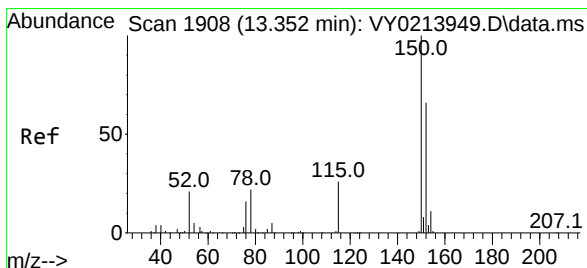
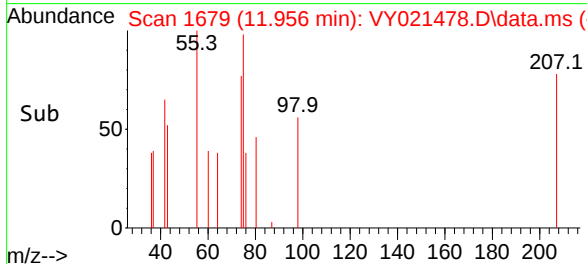
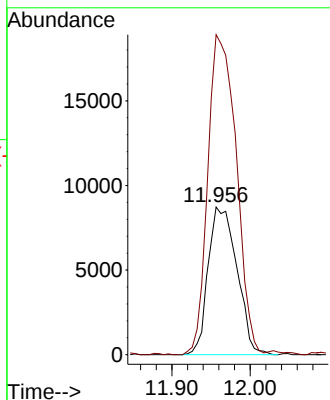
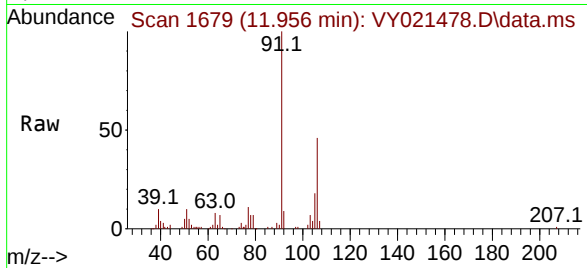
#69
o-Xylene
Concen: 4.220 ug/l
RT: 11.956 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:106 Resp: 2227
Ion Ratio Lower Upper
106 100
91 214.7 107.6 322.8

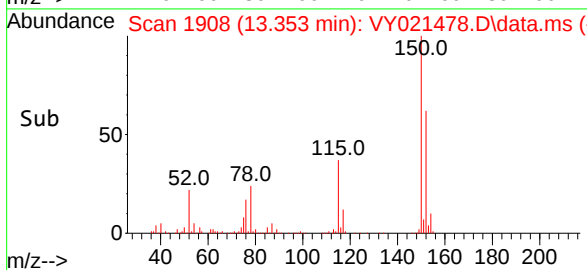
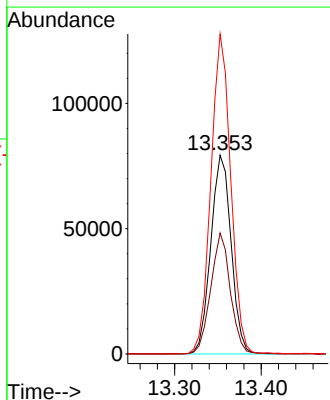
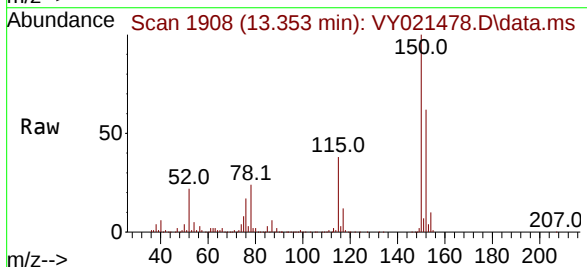
Manual Integrations
APPROVED

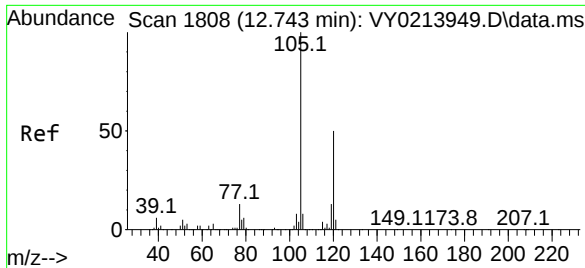
Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

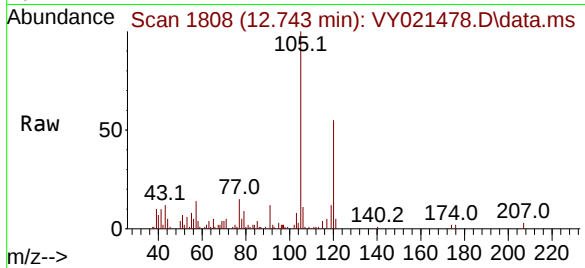
Tgt Ion:152 Resp: 129475
Ion Ratio Lower Upper
152 100
115 59.0 29.0 87.0
150 156.6 0.0 347.2





#80
 1,3,5-Trimethylbenzene
 Concen: 2.104 ug/l
 RT: 12.743 min Scan# 1808
 Delta R.T. 0.000 min
 Lab File: VY021478.D
 Acq: 11 Mar 2025 12:01

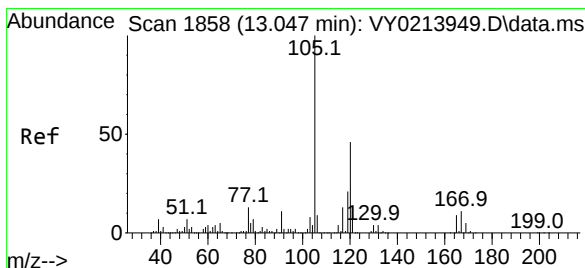
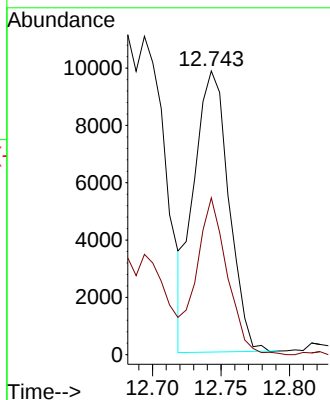
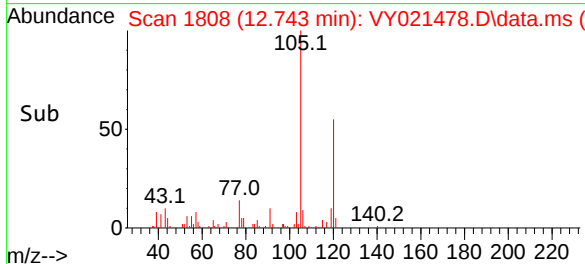
Instrument :
 MSVOA_Y
 ClientSampleId :
 T2



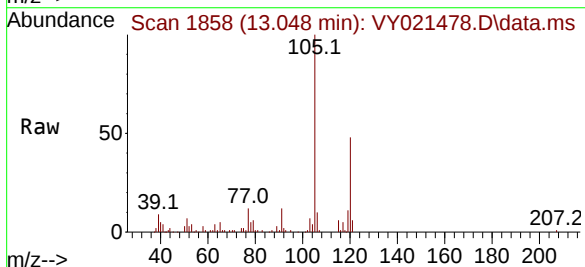
Tgt Ion:105 Resp: 17440
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.6

Manual Integrations
 APPROVED

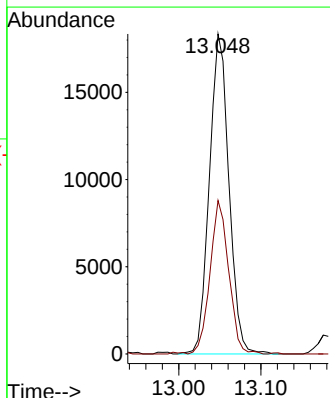
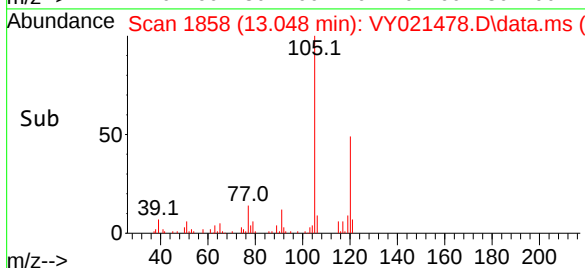
Reviewed By :Romaben Patel 03/12/2025
 Supervised By :Mahesh Dadoda 03/12/2025

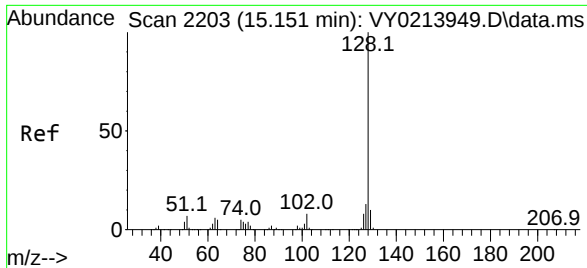


#84
 1,2,4-Trimethylbenzene
 Concen: 3.680 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY021478.D
 Acq: 11 Mar 2025 12:01



Tgt Ion:105 Resp: 30286
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1





#95

Naphthalene

Concen: 2.557 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY021478.D

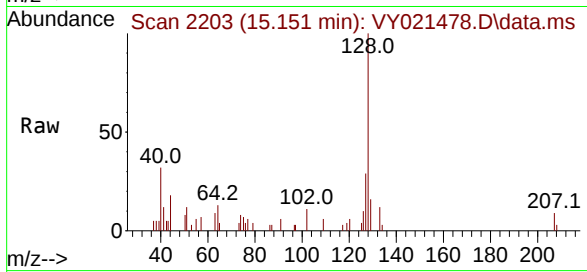
Acq: 11 Mar 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

T2



Tgt Ion:	128	Resp:	389
Ion Ratio	Lower	Upper	
128	100		
127	19.5	10.6	15.8
129	14.2	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

