

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021455.D
 Acq On : 07 Mar 2025 12:55
 Operator : SY/MD
 Sample : Q1463-03
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T3

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 22:00:39 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	305147m	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.603	114	465424m	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.426	117	350362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	111224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	125328m	38.859	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.720%		
35) Dibromofluoromethane	7.634	113	107812m	35.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	70.480%		
50) Toluene-d8	10.103	98	552784m	47.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.440%		
62) 4-Bromofluorobenzene	12.420	95	131390	33.346	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	66.700%		
Target Compounds					Qvalue	
39) Methylcyclohexane	9.085	83	27700	4.716	ug/l	96
40) Benzene	8.061	78	83204	5.898	ug/l	99
52) Toluene	10.170	92	102690m	11.546	ug/l	
64) Tetrachloroethene	10.646	164	4127	1.449	ug/l	96
67) Ethyl Benzene	11.524	91	49798	3.429	ug/l	98
68) m/p-Xylenes	11.633	106	100473	18.224	ug/l	98
69) o-Xylene	11.963	106	43016	8.466	ug/l	99
73) Isopropylbenzene	12.267	105	12235	1.396	ug/l	89
78) n-propylbenzene	12.609	91	14148	1.330	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	28702	4.031	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	49540	7.008	ug/l	98
95) Naphthalene	15.145	128	4032	2.785	ug/l	94

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

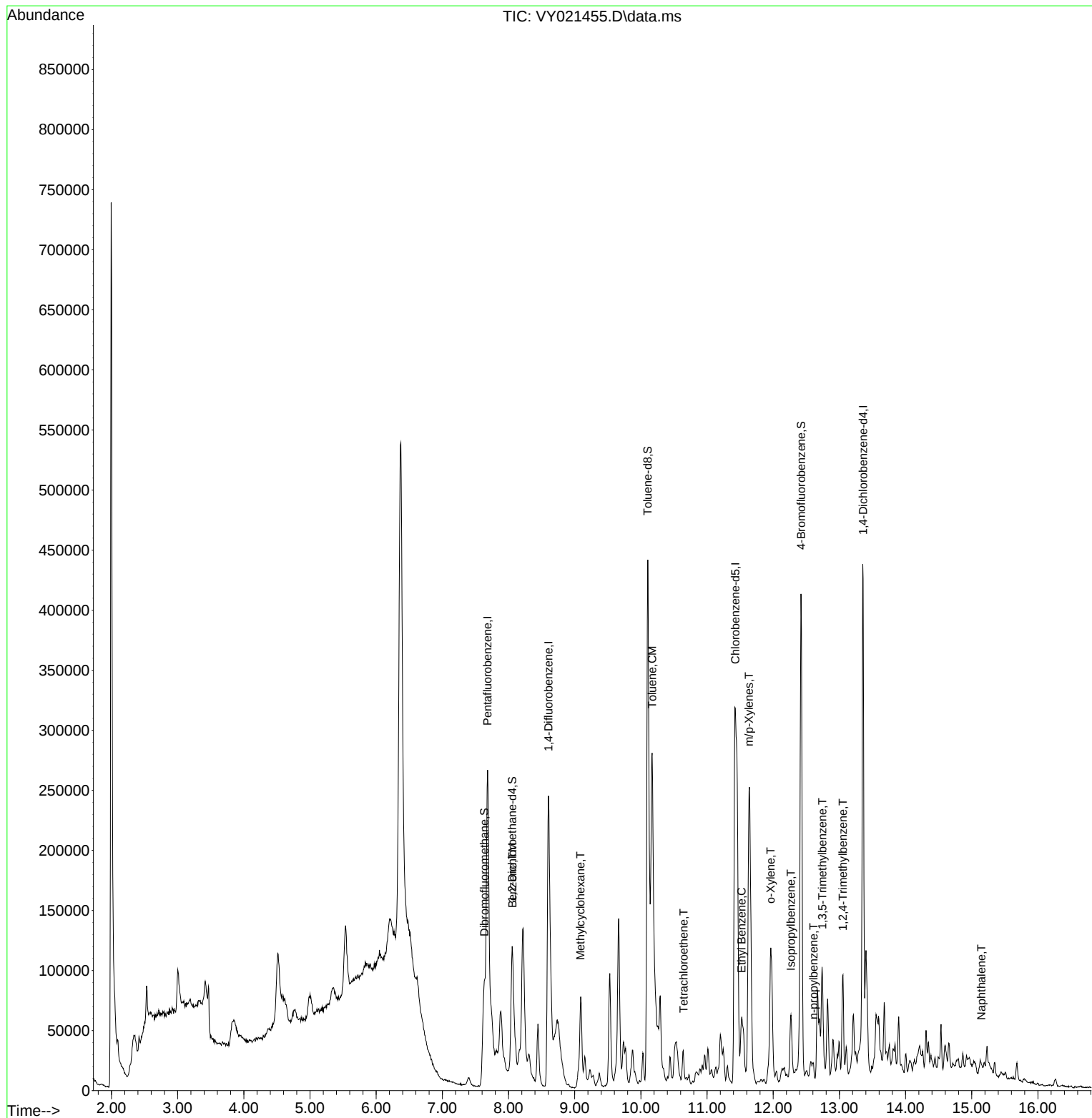
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021455.D
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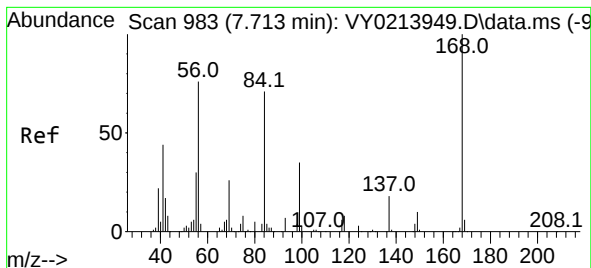
Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l m

RT: 7.683 min Scan# 9

Delta R.T. -0.030 min

Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

T3

Tgt Ion:168 Resp: 30514

Ion Ratio Lower Upper

168 100

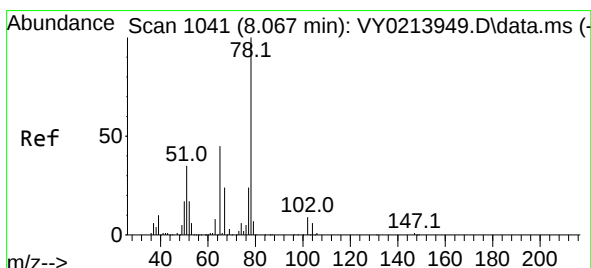
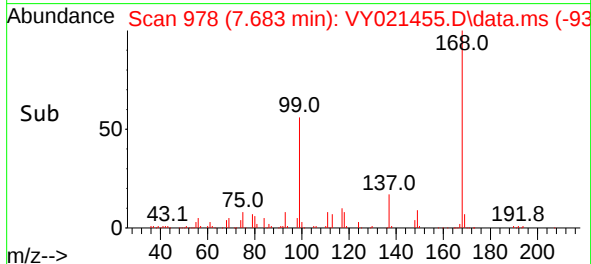
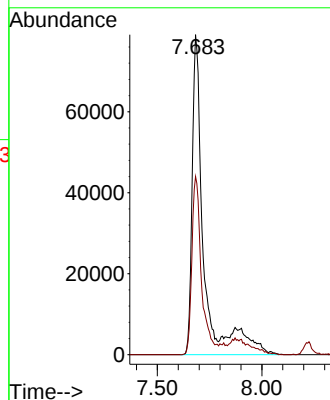
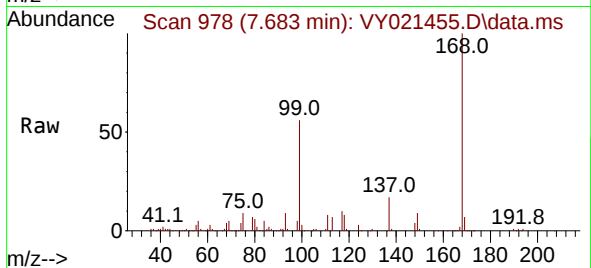
99 55.7 46.0 69.0

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#33

1,2-Dichloroethane-d4

Concen: 38.859 ug/l m

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY021455.D

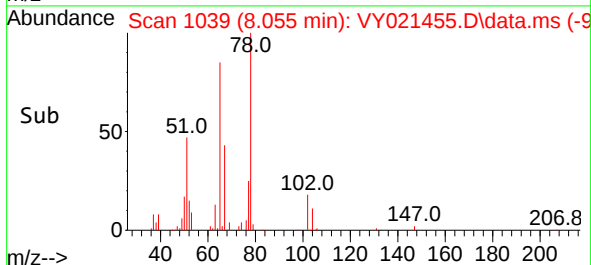
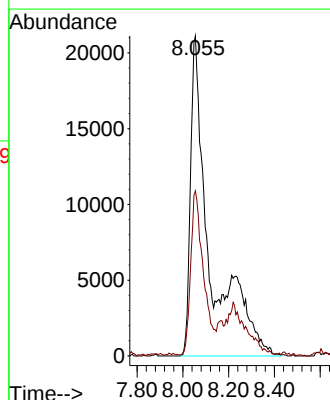
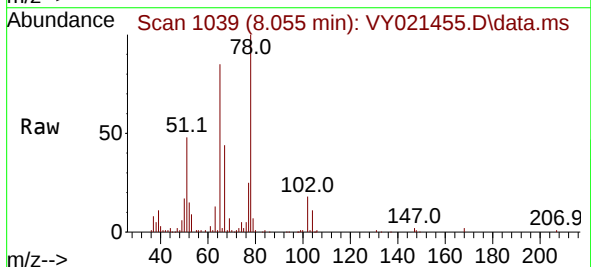
Acq: 07 Mar 2025 12:55

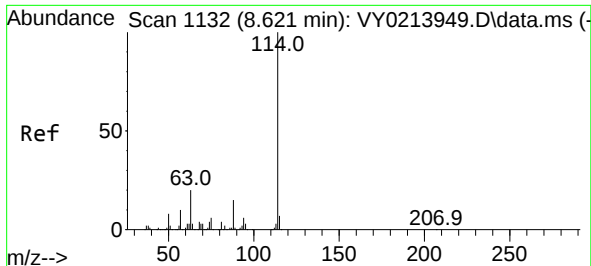
Tgt Ion: 65 Resp: 125328

Ion Ratio Lower Upper

65 100

67 33.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l m

RT: 8.603 min Scan# 1132

Delta R.T. -0.018 min

Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

T3

Tgt Ion:114 Resp: 465424

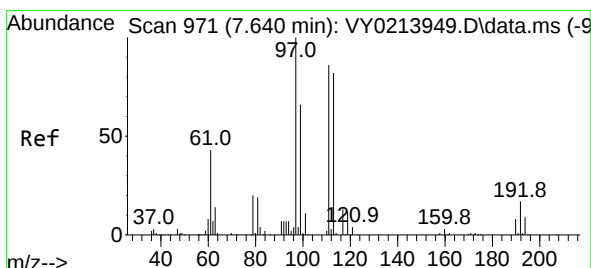
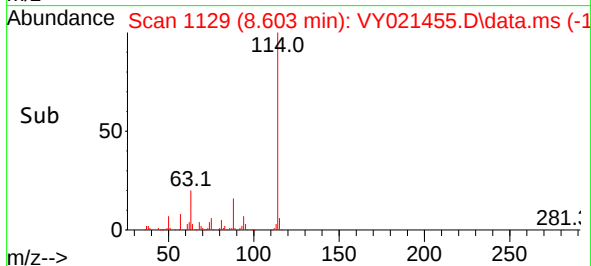
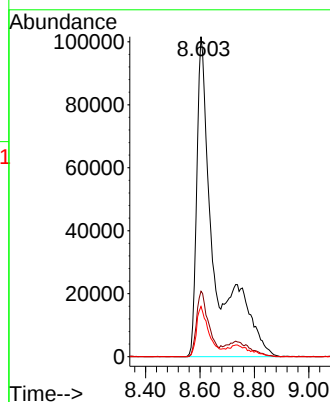
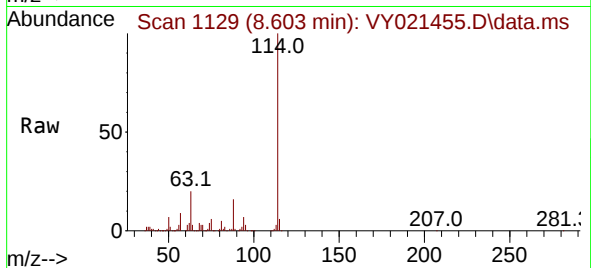
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.7	0.0	30.8

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#35

Dibromofluoromethane

Concen: 35.241 ug/l m

RT: 7.634 min Scan# 970

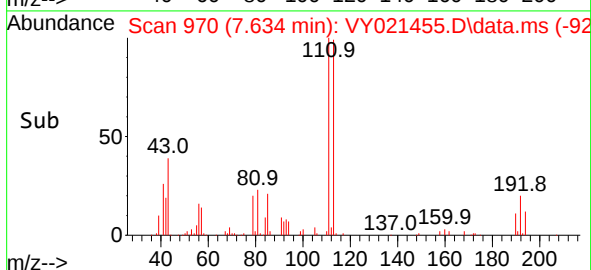
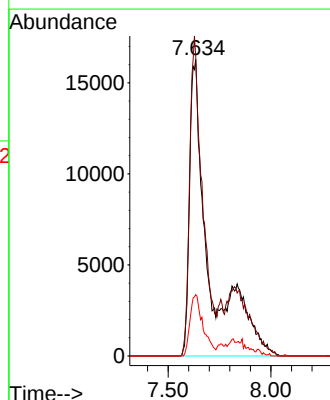
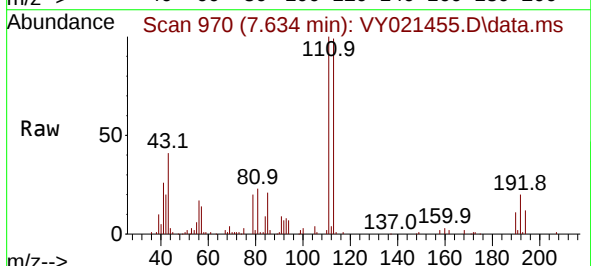
Delta R.T. -0.006 min

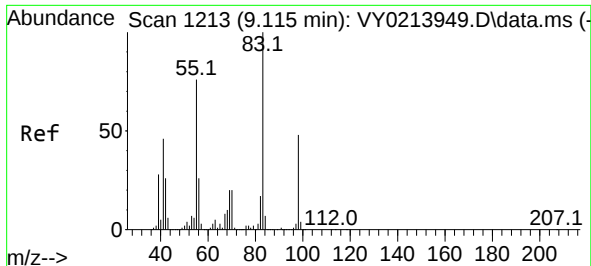
Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

Tgt Ion:113 Resp: 107812

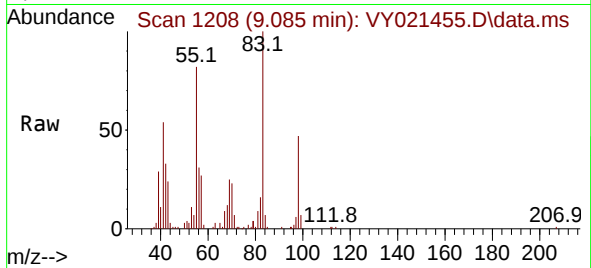
Ion	Ratio	Lower	Upper
113	100		
111	71.1	82.0	123.0#
192	13.8	15.9	23.9#





#39
Methylcyclohexane
Concen: 4.716 ug/l
RT: 9.085 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

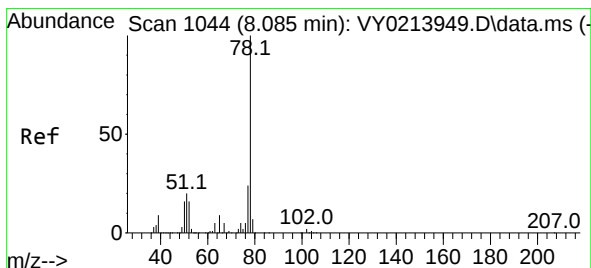
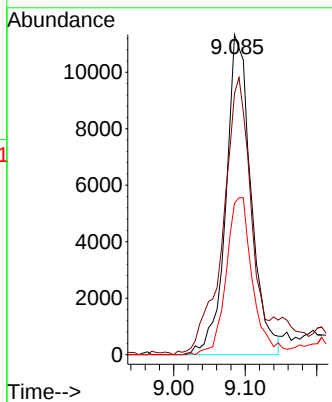
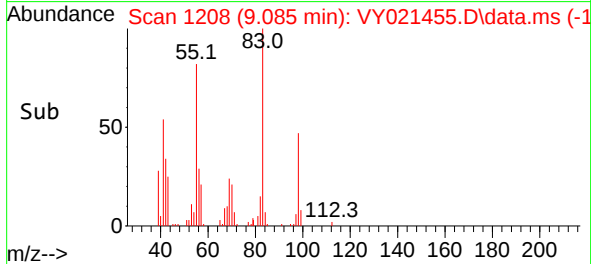
Instrument :
MSVOA_Y
ClientSampleId :
T3



Tgt Ion: 83 Resp: 27700
Ion Ratio Lower Upper
83 100
55 80.6 60.7 91.1
98 47.4 38.6 57.8

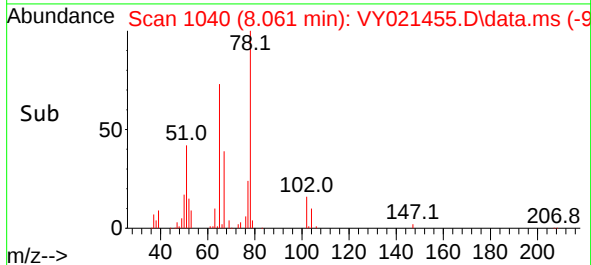
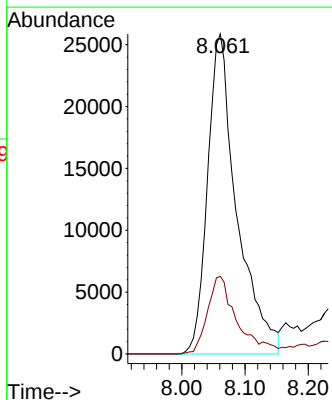
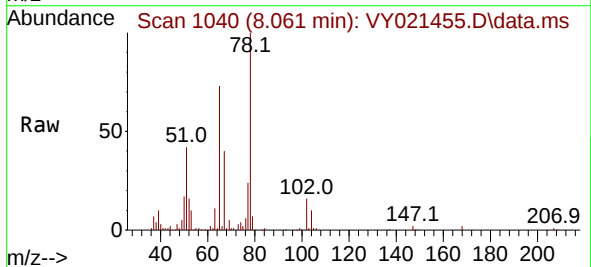
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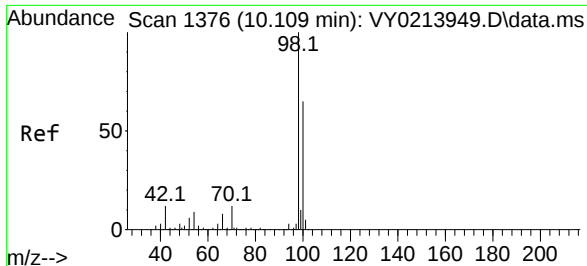
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#40
Benzene
Concen: 5.898 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.024 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

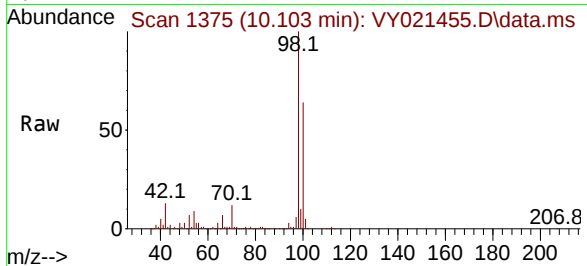
Tgt Ion: 78 Resp: 83204
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4





#50
Toluene-d8
Concen: 47.722 ug/l m
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

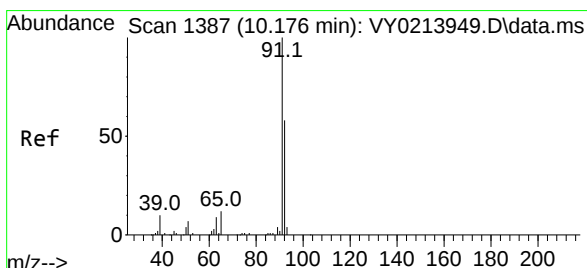
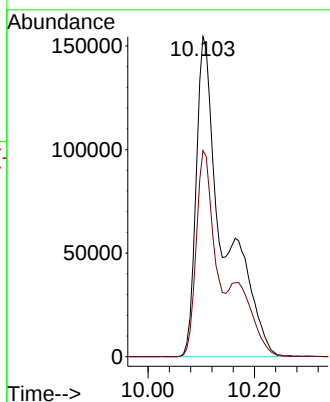
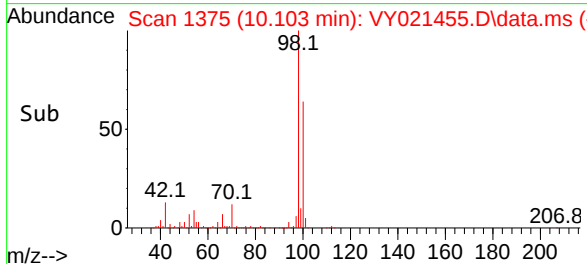
Instrument :
MSVOA_Y
ClientSampleId :
T3



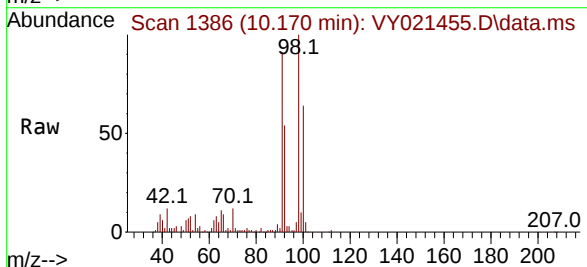
Tgt Ion: 98 Resp: 552784
Ion Ratio Lower Upper
98 100
100 44.1 52.1 78.1

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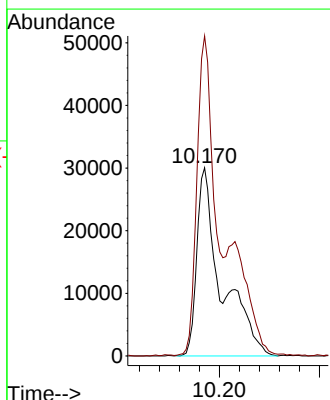
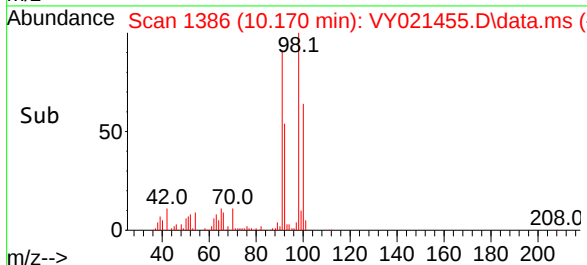
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

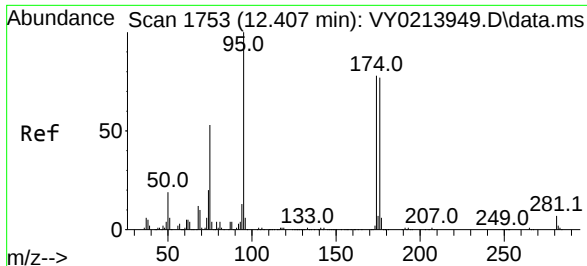


#52
Toluene
Concen: 11.546 ug/l m
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55



Tgt Ion: 92 Resp: 102690
Ion Ratio Lower Upper
92 100
91 116.6 138.2 207.2





#62

4-Bromofluorobenzene

Concen: 33.346 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.013 min

Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

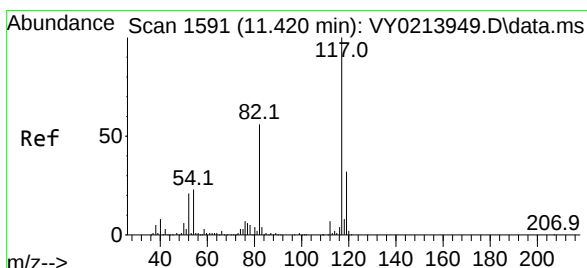
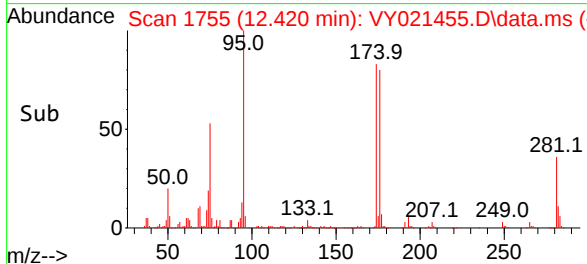
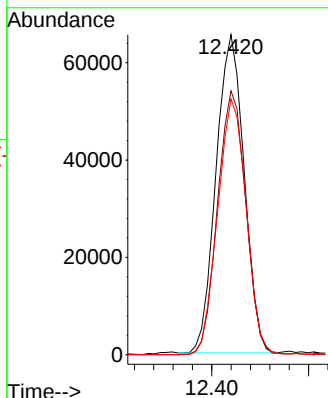
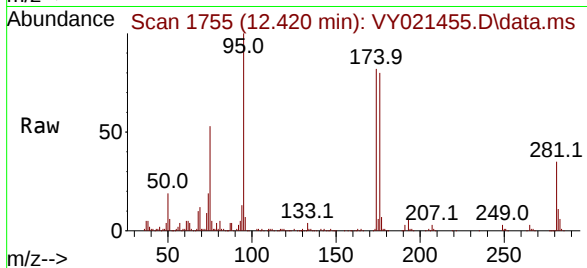
T3

Tgt Ion:	95	Resp:	131390
Ion Ratio	Lower	Upper	
95	100		
174	84.0	0.0	165.0
176	82.0	0.0	160.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 03/11/2025



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

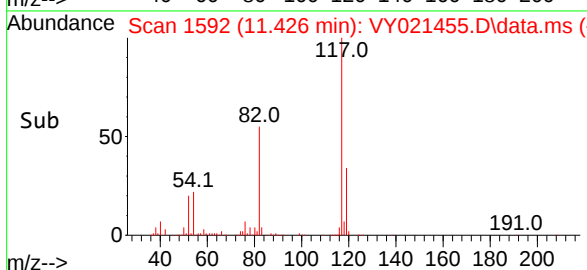
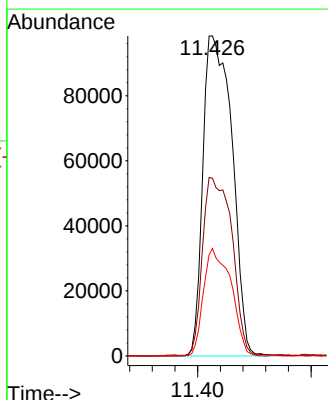
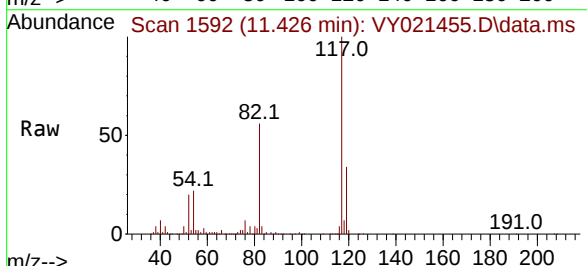
RT: 11.426 min Scan# 1592

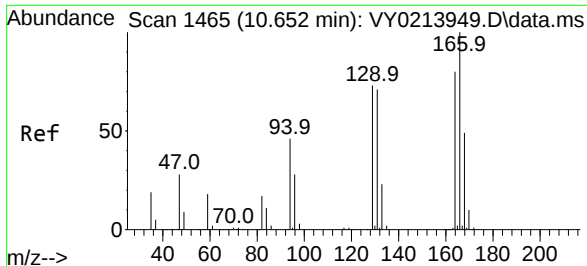
Delta R.T. 0.006 min

Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

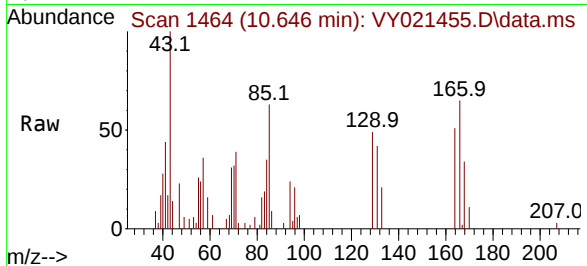
Tgt Ion:	117	Resp:	350362
Ion Ratio	Lower	Upper	
117	100		
82	55.3	44.6	67.0
119	33.6	25.4	38.0





#64
Tetrachloroethene
Concen: 1.449 ug/l
RT: 10.646 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

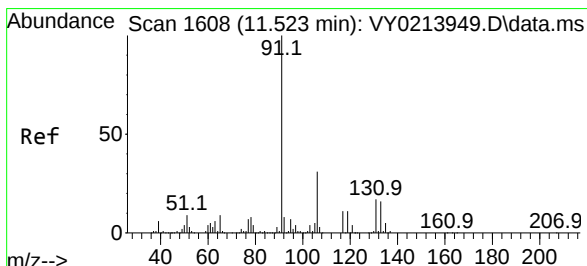
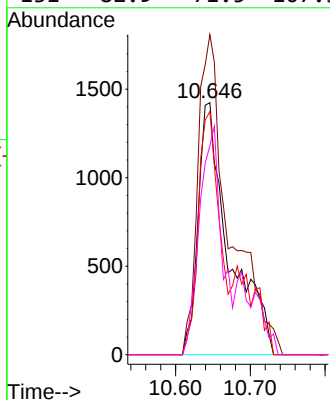
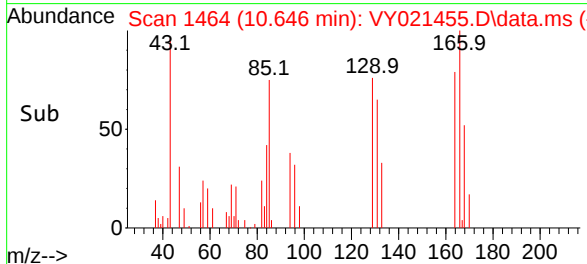
Instrument :
MSVOA_Y
ClientSampleId :
T3



Tgt Ion:164 Resp: 412
Ion Ratio Lower Upper
164 100
166 127.0 100.4 150.6
129 96.5 73.8 110.8
131 82.9 71.5 107.3

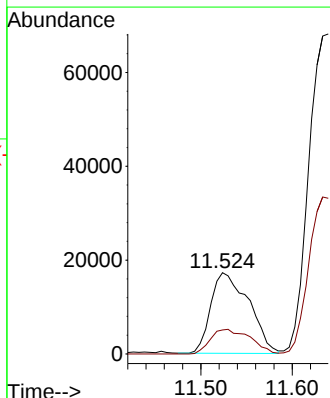
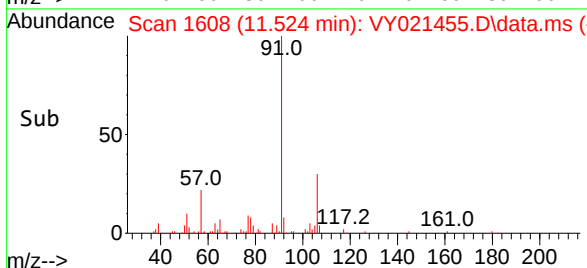
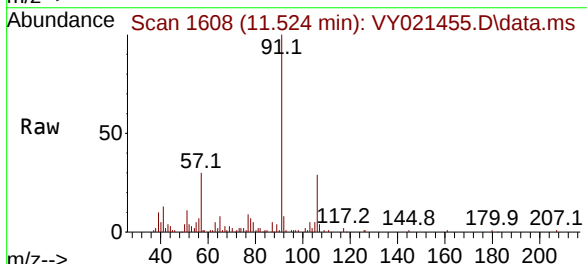
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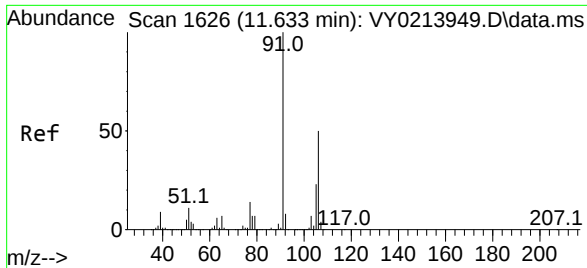
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#67
Ethyl Benzene
Concen: 3.429 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

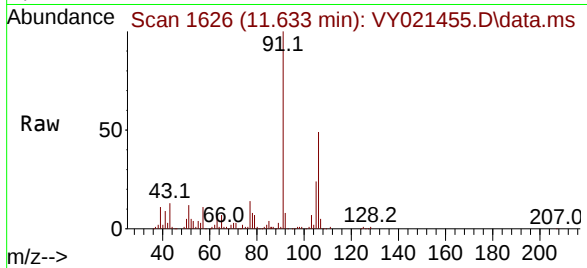
Tgt Ion: 91 Resp: 49798
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8





#68
m/p-Xylenes
Concen: 18.224 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

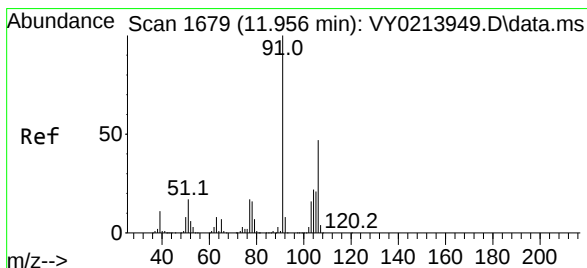
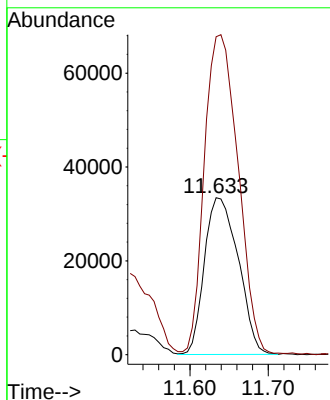
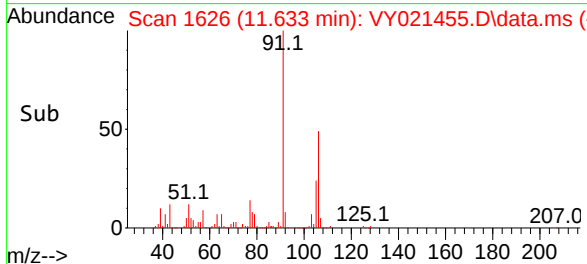
Instrument :
MSVOA_Y
ClientSampleId :
T3



Tgt Ion:106 Resp: 10047
Ion Ratio Lower Upper
106 100
91 204.4 161.7 242.5

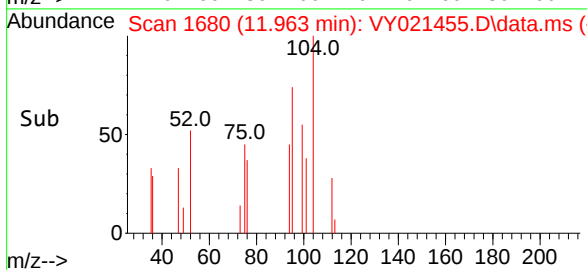
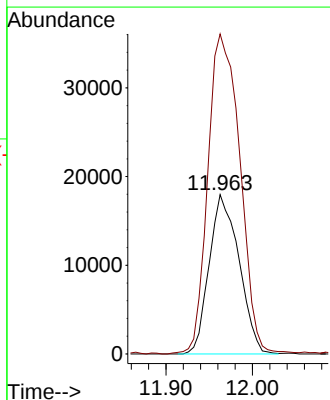
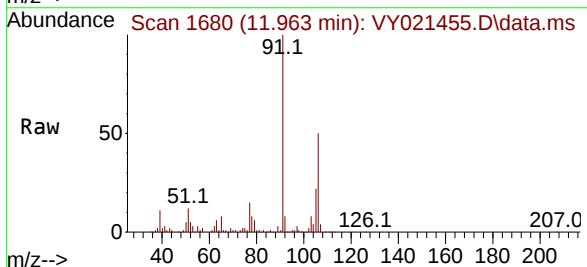
Manual Integrations
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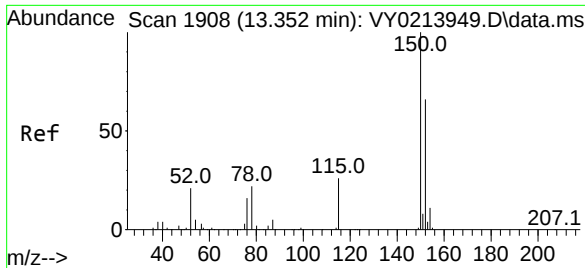
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#69
o-Xylene
Concen: 8.466 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

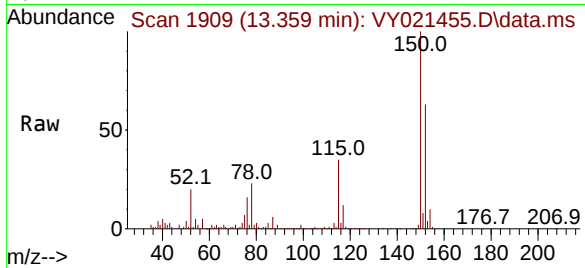
Tgt Ion:106 Resp: 43016
Ion Ratio Lower Upper
106 100
91 216.2 107.6 322.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

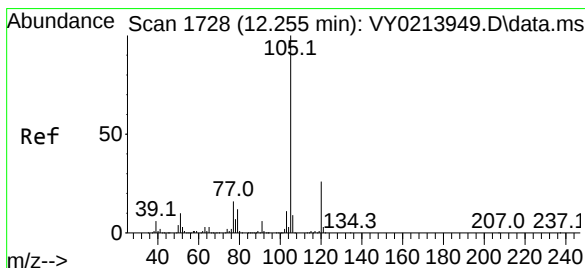
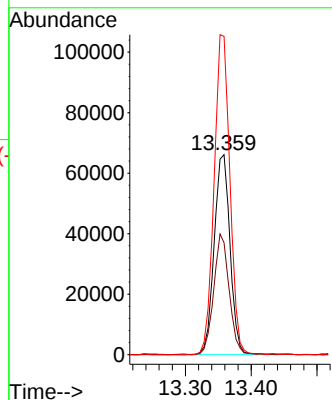
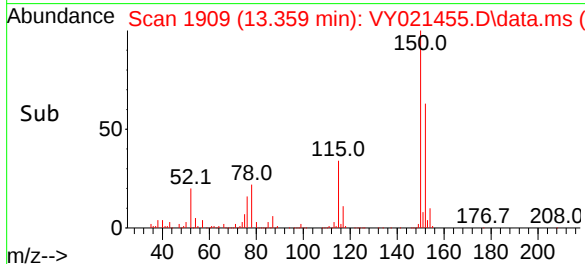
Instrument :
MSVOA_Y
ClientSampleId :
T3



Tgt Ion:152 Resp: 111224
Ion Ratio Lower Upper
152 100
115 58.9 29.0 87.0
150 159.0 0.0 347.2

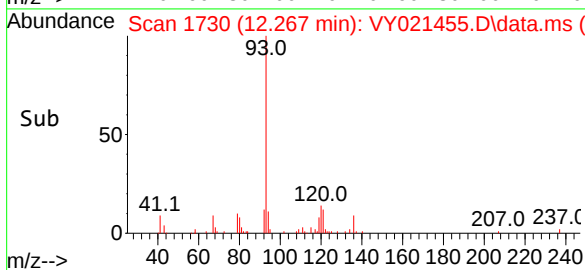
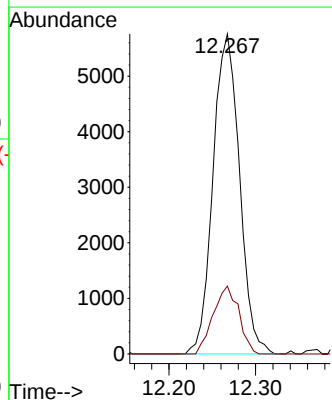
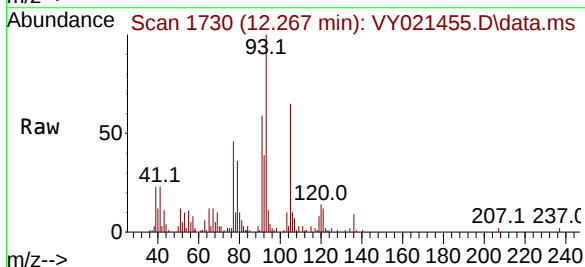
Manual Integrations
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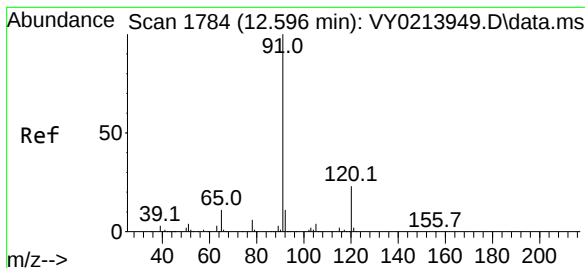
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#73
Isopropylbenzene
Concen: 1.396 ug/l
RT: 12.267 min Scan# 1730
Delta R.T. 0.013 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

Tgt Ion:105 Resp: 12235
Ion Ratio Lower Upper
105 100
120 20.5 13.1 39.3





#78

n-propylbenzene

Concen: 1.330 ug/l

RT: 12.609 min Scan# 1786

Delta R.T. 0.013 min

Lab File: VY021455.D

Acq: 07 Mar 2025 12:55

Instrument :

MSVOA_Y

ClientSampleId :

T3

Tgt Ion: 91 Resp: 1414

Ion Ratio Lower Upper

91 100

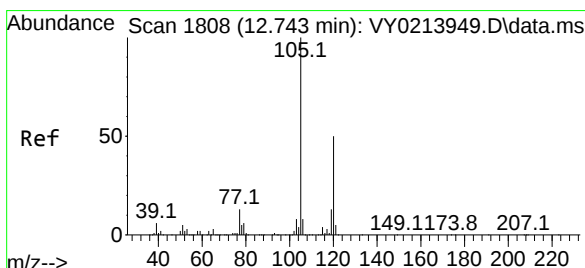
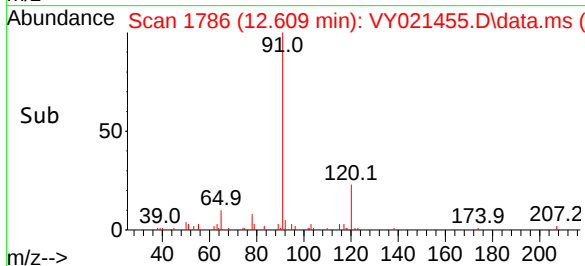
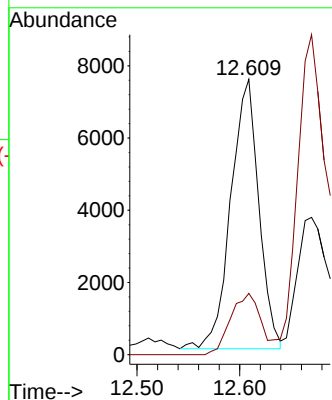
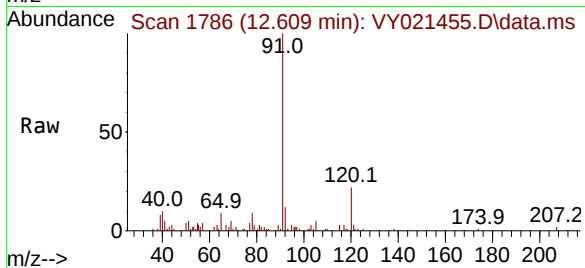
120 24.7 11.3 33.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025

Supervised By :Semsettin Yesilyurt 03/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.031 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VY021455.D

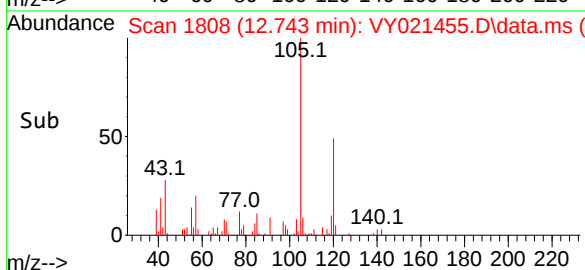
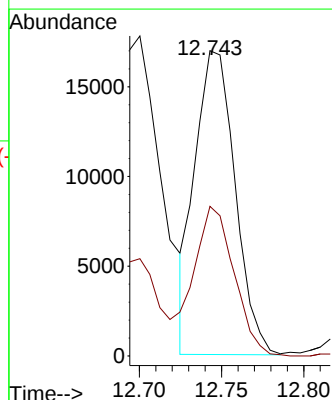
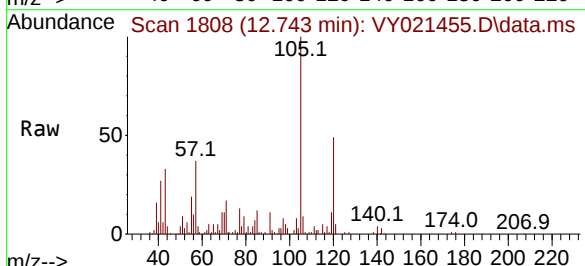
Acq: 07 Mar 2025 12:55

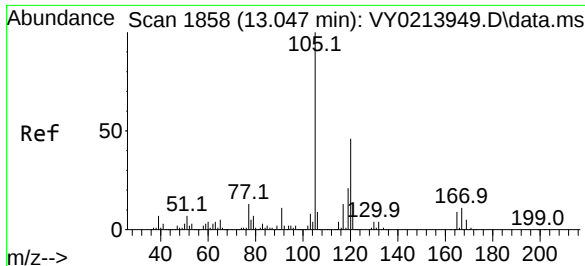
Tgt Ion:105 Resp: 28702

Ion Ratio Lower Upper

105 100

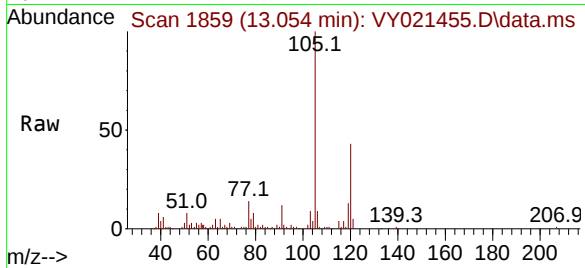
120 50.5 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 7.008 ug/l
RT: 13.054 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55

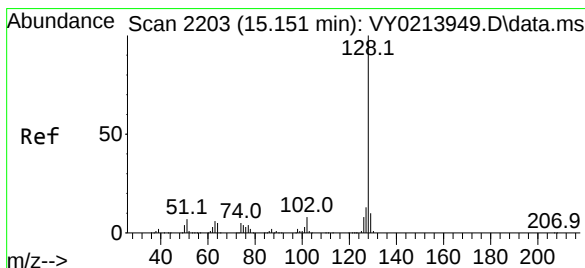
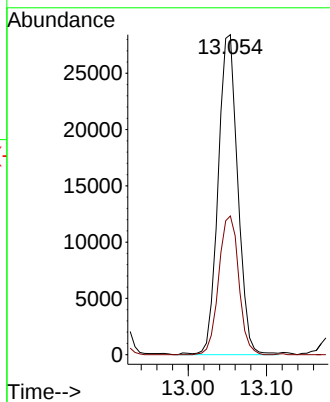
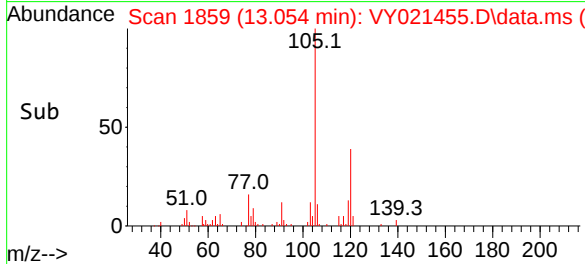
Instrument :
MSVOA_Y
ClientSampleId :
T3



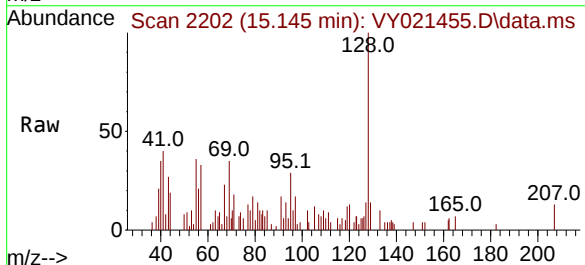
Tgt Ion:105 Resp: 49540
Ion Ratio Lower Upper
105 100
120 44.2 22.7 68.1

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 2.785 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021455.D
Acq: 07 Mar 2025 12:55



Tgt Ion:128 Resp: 4032
Ion Ratio Lower Upper
128 100
127 15.5 10.6 15.8
129 12.9 8.6 13.0

