

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022114.D
 Acq On : 01 May 2025 18:00
 Operator : SY/MD
 Sample : Q1914-09
 Misc : 7.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	521018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	814848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	583005	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	511573	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177553	36.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.780%		
35) Dibromofluoromethane	7.634	113	259836	48.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.540%		
50) Toluene-d8	10.109	98	2107268	103.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	207.660%#		
62) 4-Bromofluorobenzene	12.408	95	1528236	223.683	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	447.360%#		
Target Compounds						
						Qvalue
20) Methylene Chloride	4.616	84	21583	3.547	ug/l #	77
31) Cyclohexane	7.701	56	2519440	316.693	ug/l	95
39) Methylcyclohexane	9.116	83	12833286	1410.235	ug/l	94
40) Benzene	8.085	78	643784	28.480	ug/l	100
52) Toluene	10.176	92	13461118	919.969	ug/l #	75
67) Ethyl Benzene	11.512	91	23787081m	1115.339	ug/l	
68) m/p-Xylenes	11.621	106	27276221m	3214.042	ug/l	
69) o-Xylene	11.950	106	22804932m	2915.500	ug/l	
73) Isopropylbenzene	12.261	105	15536198	454.561	ug/l	91
78) n-propylbenzene	12.591	91	24251065m	595.810	ug/l	
80) 1,3,5-Trimethylbenzene	12.737	105	18877935m	670.352	ug/l	
84) 1,2,4-Trimethylbenzene	13.036	105	28534345m	1013.017	ug/l	
85) sec-Butylbenzene	13.182	105	14923737	403.805	ug/l #	75
86) p-Isopropyltoluene	13.298	119	8245920	262.753	ug/l	97
89) n-Butylbenzene	13.627	91	12658082	451.254	ug/l #	72

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

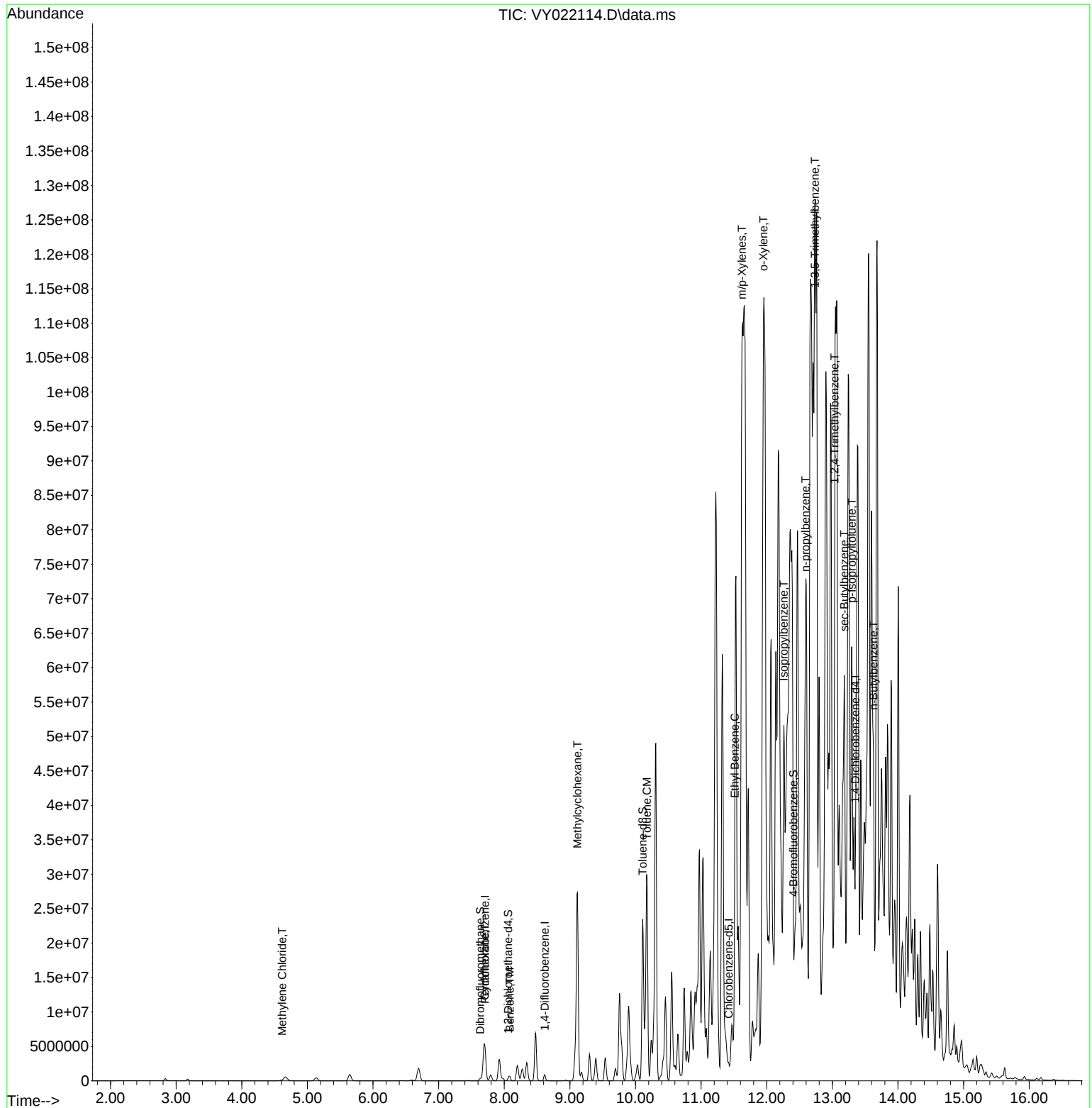
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
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Acq On : 01 May 2025 18:00
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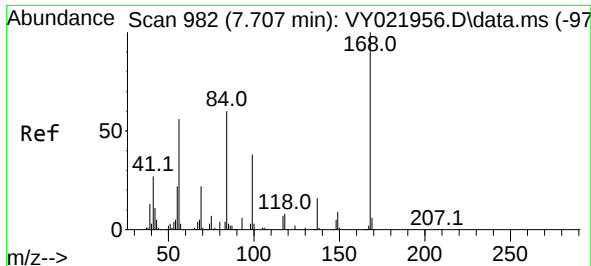
Instrument :
MSVOA_Y
ClientSampleId :
SS-8

Quant Time: May 02 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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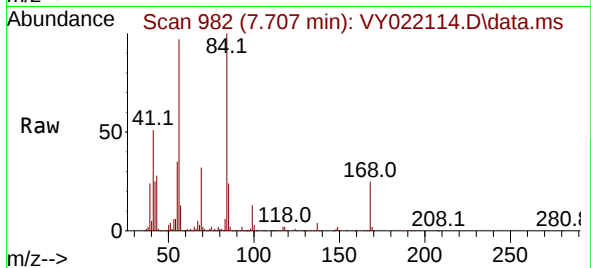
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

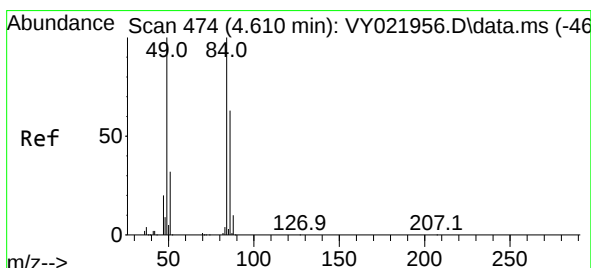
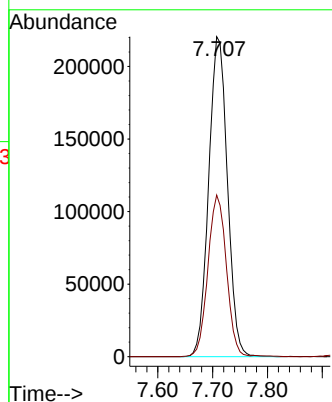
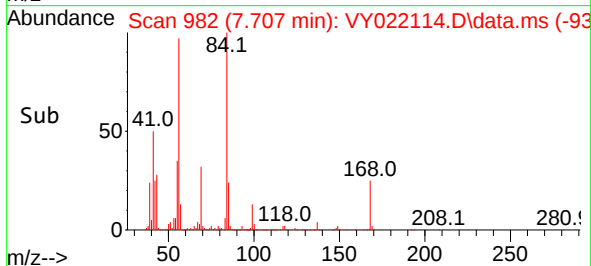
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



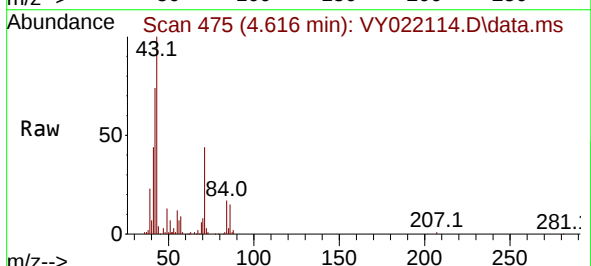
Tgt Ion:168 Resp: 521018
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7

Manual Integrations
APPROVED

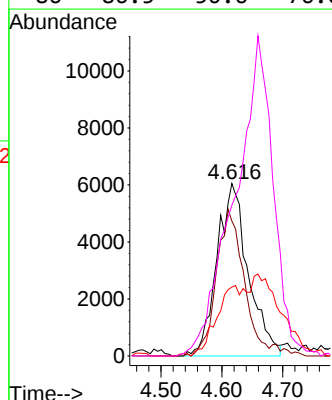
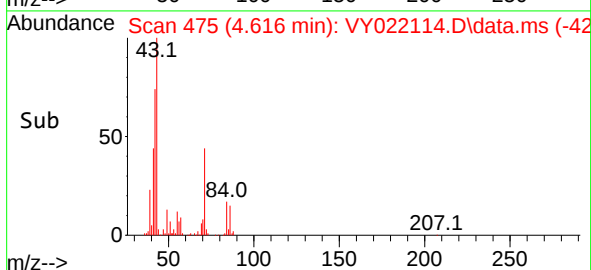
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

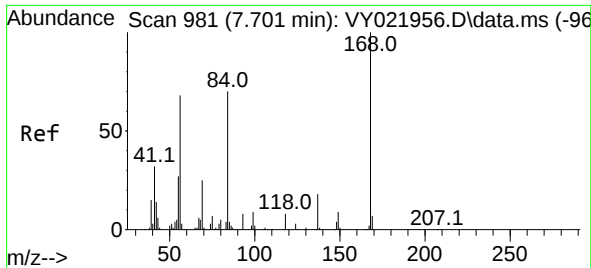


#20
Methylene Chloride
Concen: 3.547 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00



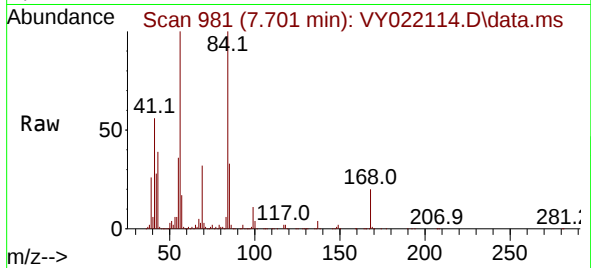
Tgt Ion: 84 Resp: 21583
Ion Ratio Lower Upper
84 100
49 78.2 79.9 119.9#
51 38.9 25.4 38.0#
86 86.5 50.6 76.0#





#31
Cyclohexane
Concen: 316.693 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

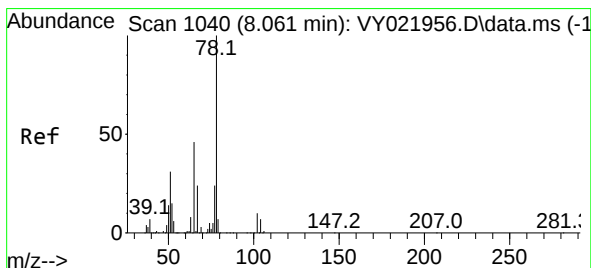
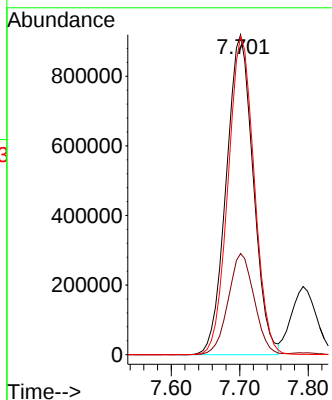
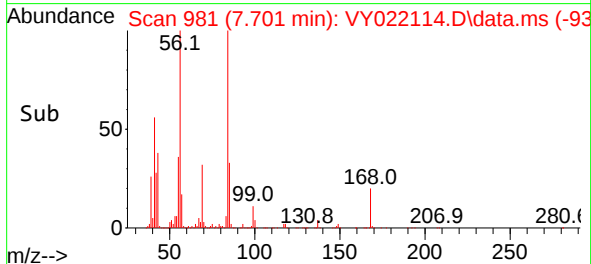
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



Tgt Ion: 56 Resp: 2519440
Ion Ratio Lower Upper
56 100
69 31.6 29.4 44.2
84 99.5 82.2 123.4

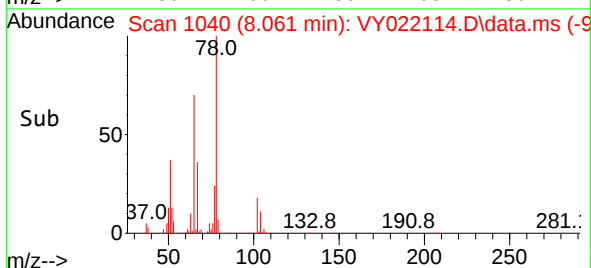
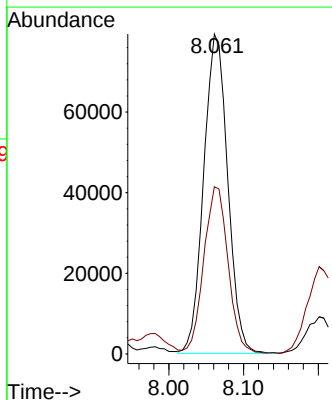
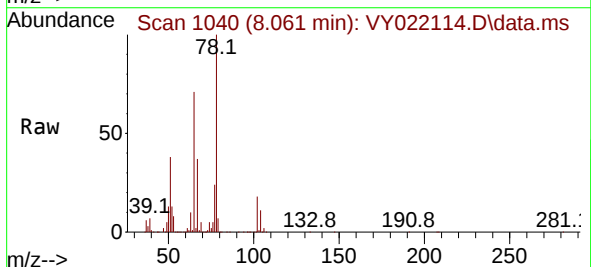
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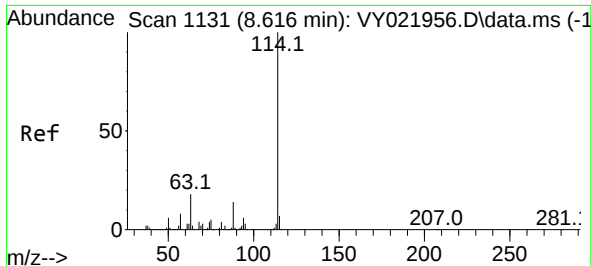
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 36.894 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

Tgt Ion: 65 Resp: 177553
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022114.D

Acq: 01 May 2025 18:00

Instrument :

MSVOA_Y

ClientSampleId :

SS-8

Tgt Ion:114 Resp: 81484

Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.4

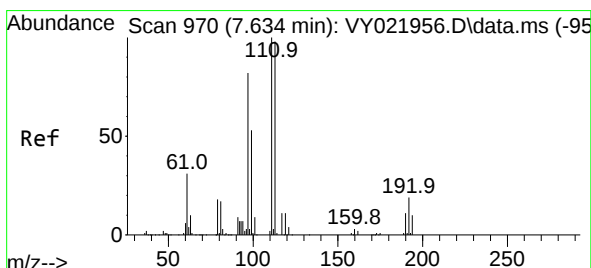
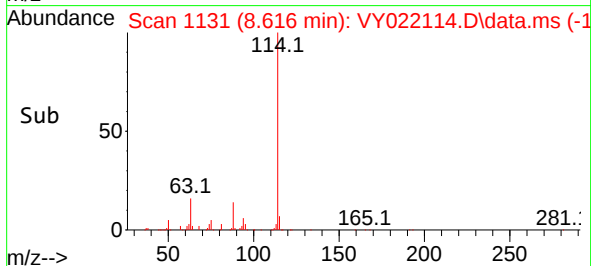
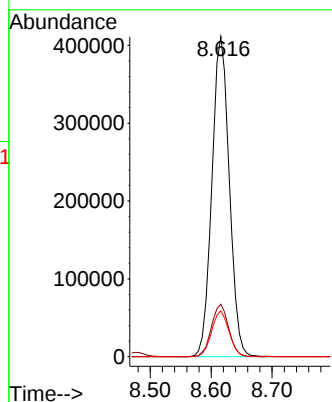
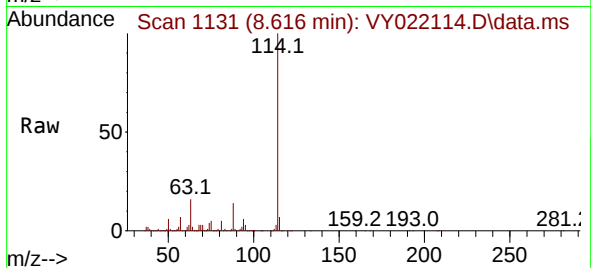
88 14.4 0.0 28.2

Manual Integrations

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Supervised By :Mahesh Dadoda 05/05/2025



#35

Dibromofluoromethane

Concen: 48.267 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022114.D

Acq: 01 May 2025 18:00

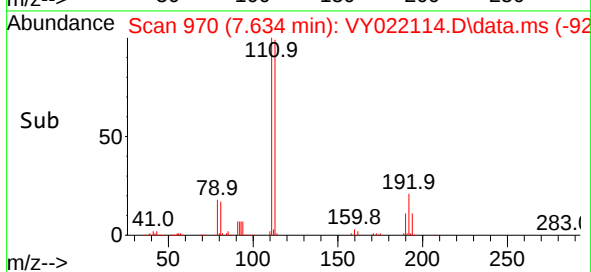
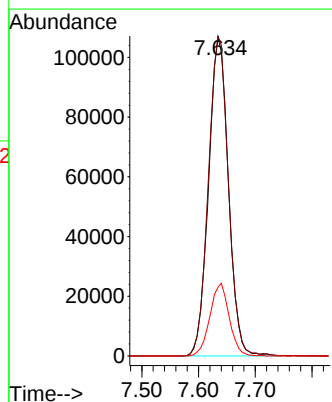
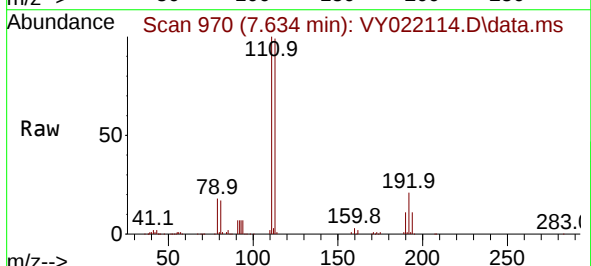
Tgt Ion:113 Resp: 259836

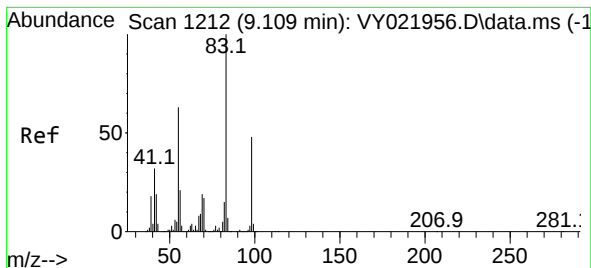
Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.8

192 22.1 15.6 23.4





#39

Methylcyclohexane

Concen: 1410.235 ug/l

RT: 9.116 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022114.D

Acq: 01 May 2025 18:00

Instrument :

MSVOA_Y

ClientSampleId :

SS-8

Tgt Ion: 83 Resp:12833280

Ion Ratio Lower Upper

83 100

55 65.9 50.6 75.8

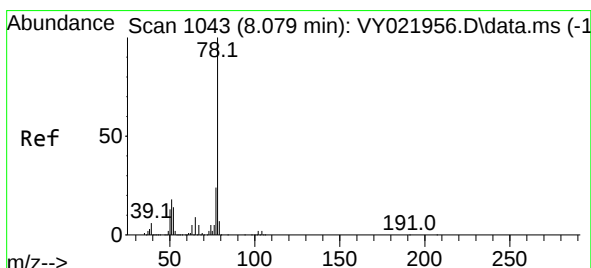
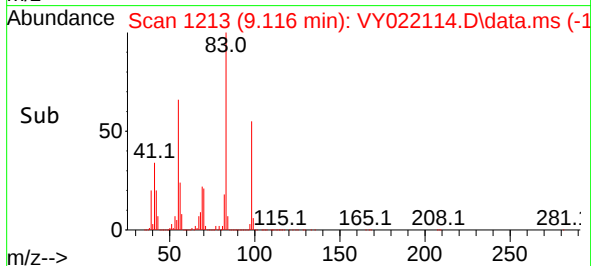
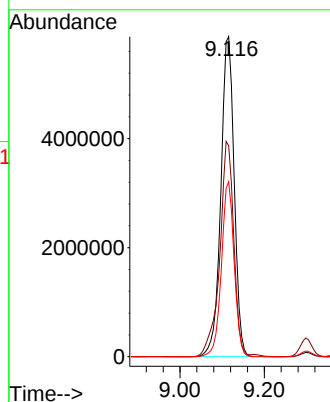
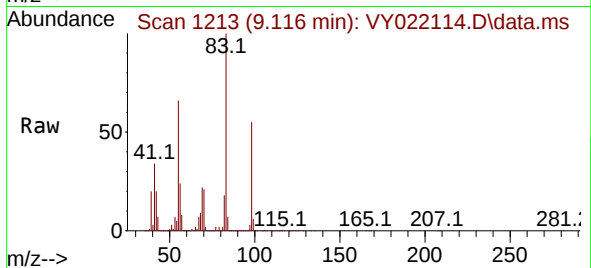
98 54.6 38.6 58.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/05/2025

Supervised By :Mahesh Dadoda 05/05/2025



#40

Benzene

Concen: 28.480 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY022114.D

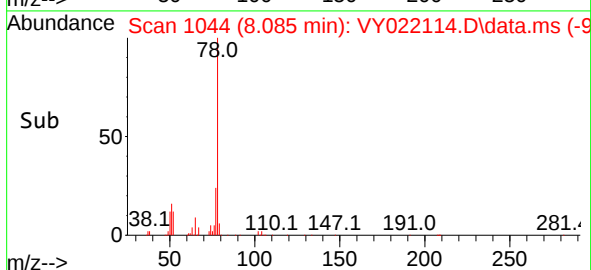
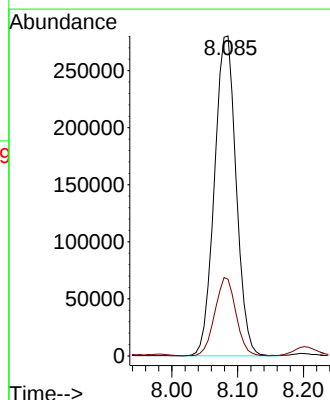
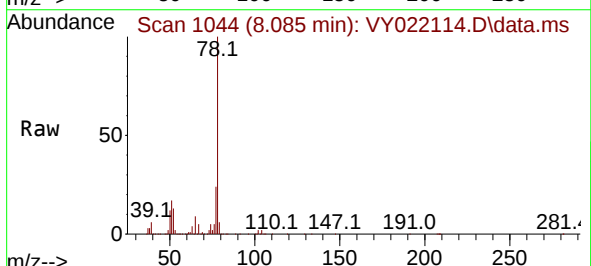
Acq: 01 May 2025 18:00

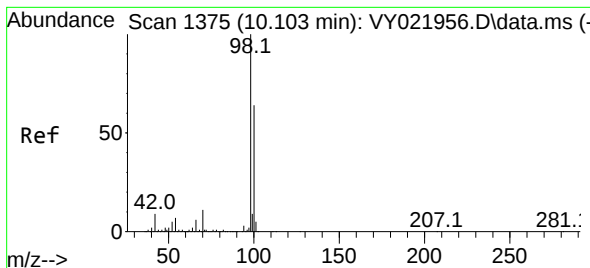
Tgt Ion: 78 Resp: 643784

Ion Ratio Lower Upper

78 100

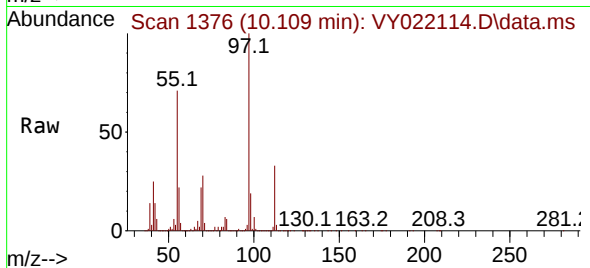
77 23.9 19.3 28.9





#50
Toluene-d8
Concen: 103.831 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

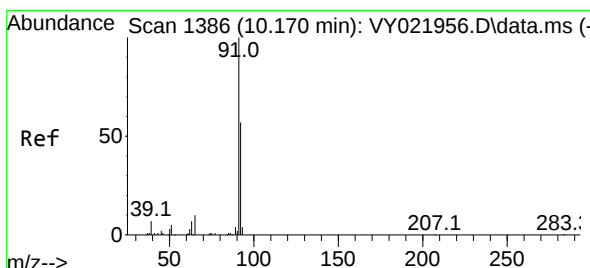
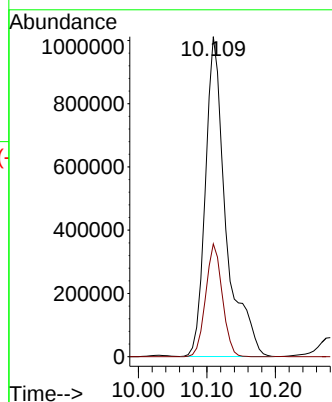
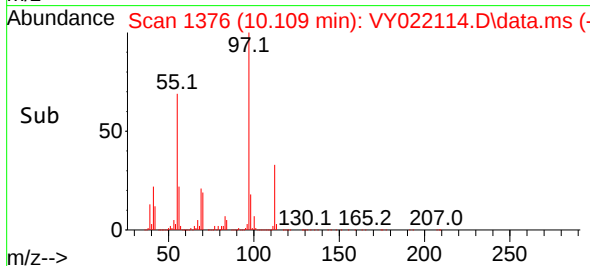
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



Tgt Ion: 98 Resp: 2107268
Ion Ratio Lower Upper
98 100
100 28.5 51.6 77.4

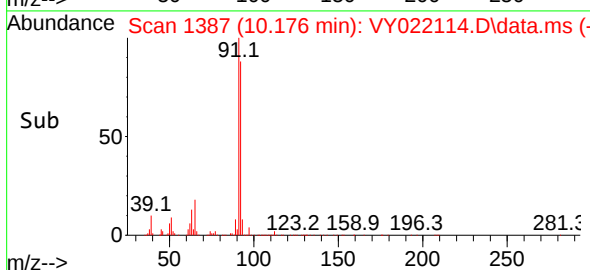
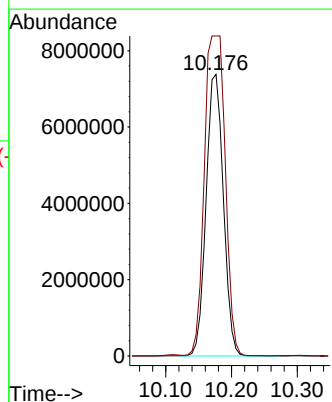
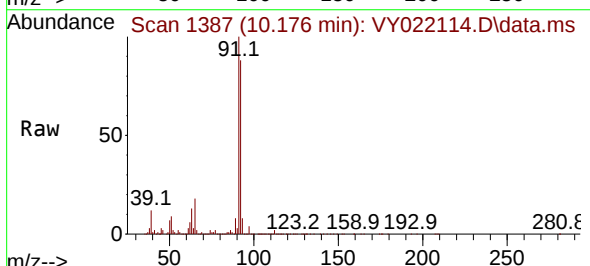
Manual Integrations
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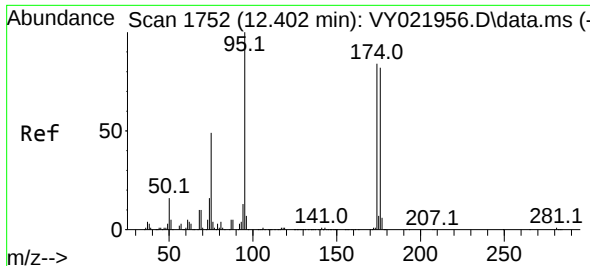
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#52
Toluene
Concen: 919.969 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

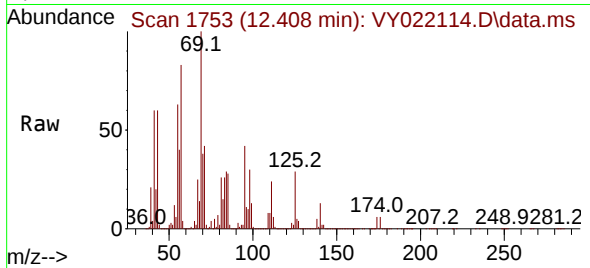
Tgt Ion: 92 Resp:13461118
Ion Ratio Lower Upper
92 100
91 137.9 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 223.683 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

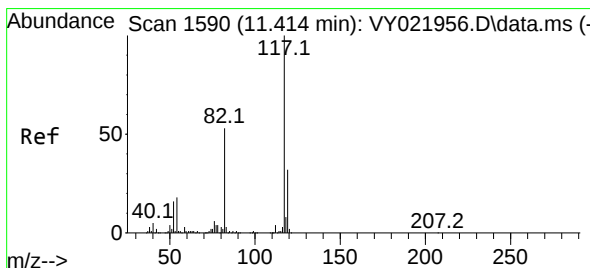
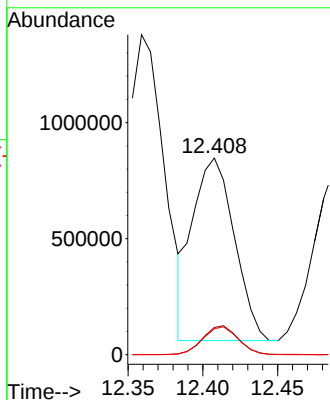
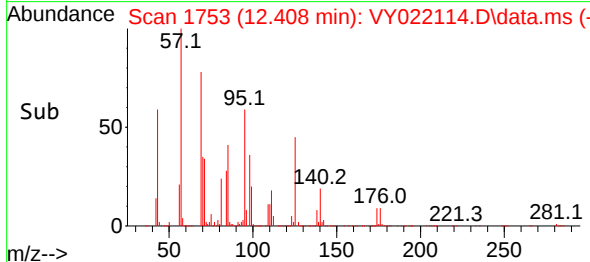
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ClientSampleId :
SS-8



Tgt Ion: 95 Resp: 1528230
Ion Ratio Lower Upper
95 100
174 13.6 0.0 179.0
176 13.1 0.0 171.8

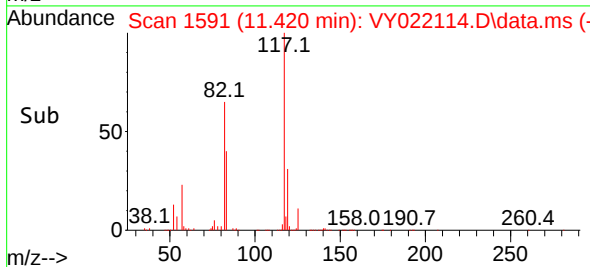
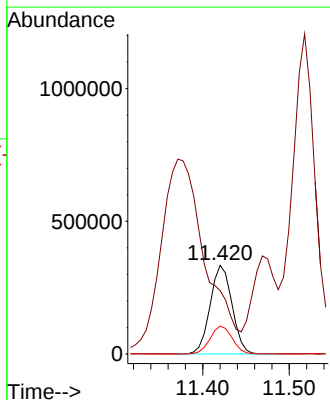
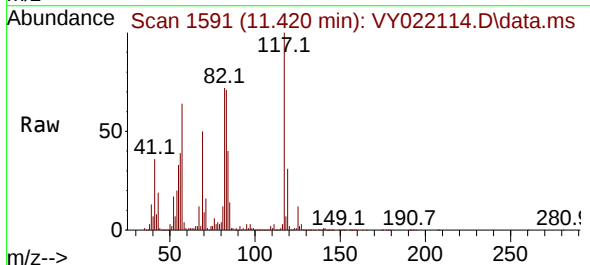
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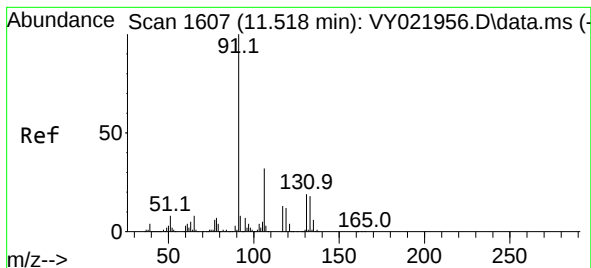
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

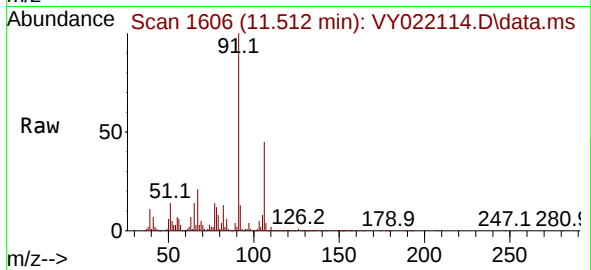
Tgt Ion:117 Resp: 583005
Ion Ratio Lower Upper
117 100
82 0.0 42.1 63.1#
119 31.4 25.7 38.5





#67
Ethyl Benzene
Concen: 1115.339 ug/l m
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

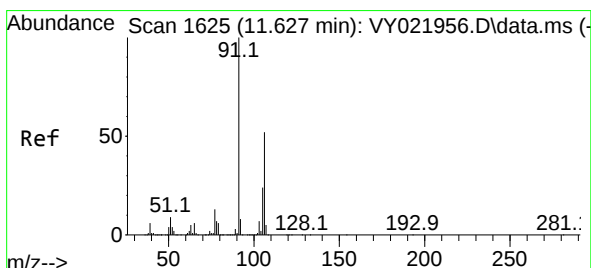
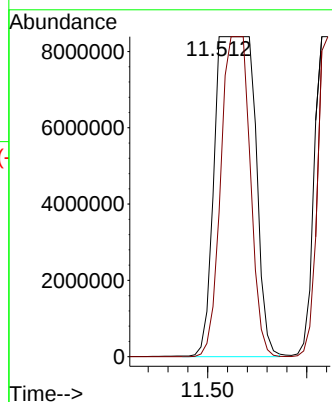
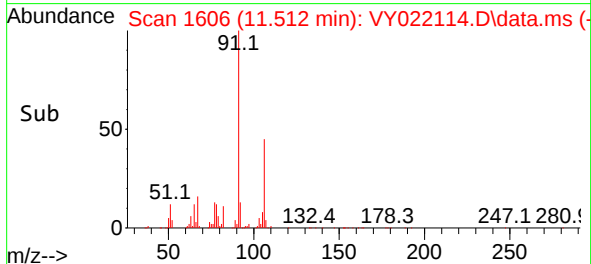
Instrument :
MSVOA_Y
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SS-8



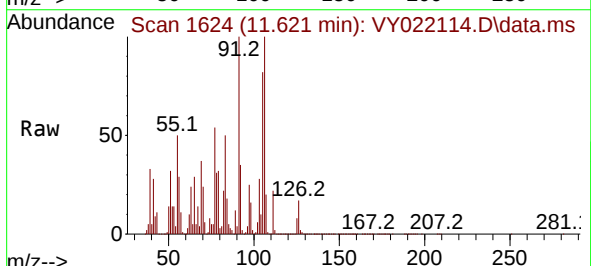
Tgt Ion: 91 Resp:2378708
Ion Ratio Lower Upper
91 100
106 45.1 25.9 38.9

Manual Integrations
APPROVED

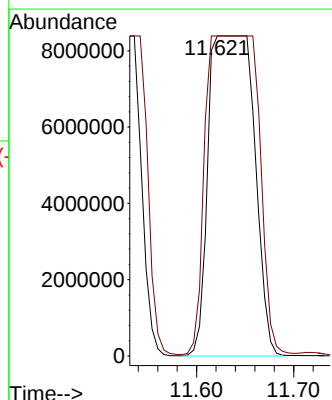
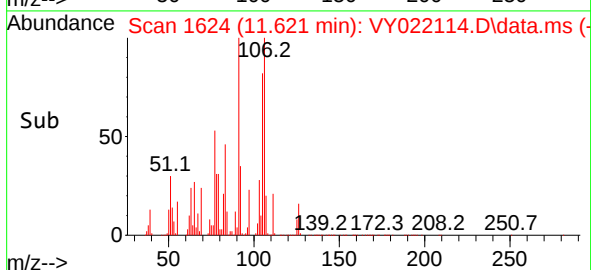
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

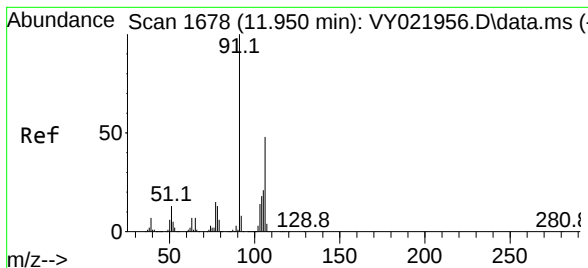


#68
m/p-Xylenes
Concen: 3214.042 ug/l m
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00



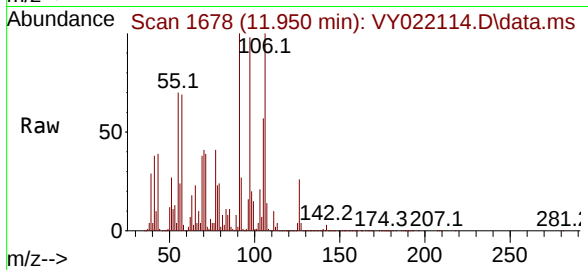
Tgt Ion:106 Resp:27276221
Ion Ratio Lower Upper
106 100
91 0.0 156.2 234.2#





#69
o-Xylene
Concen: 2915.500 ug/l m
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

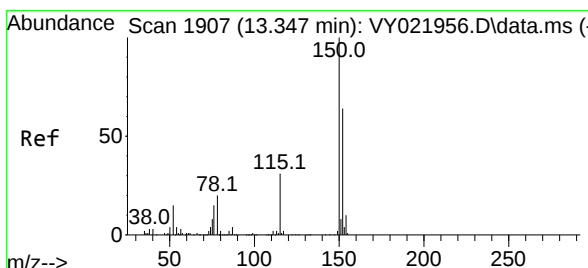
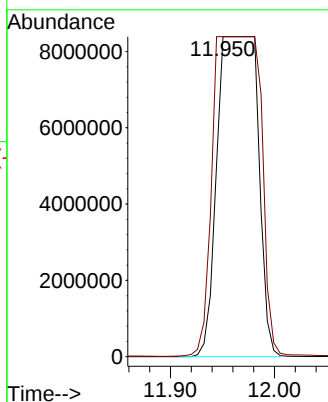
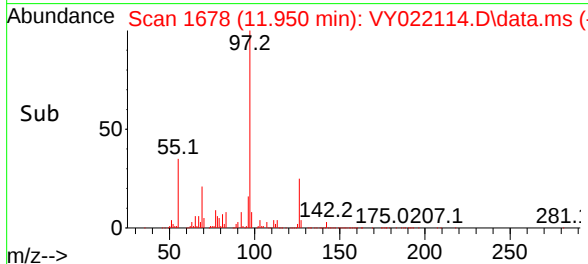
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



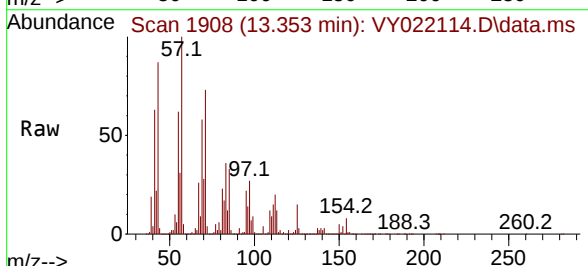
Tgt Ion:106 Resp:2280493
Ion Ratio Lower Upper
106 100
91 0.0 103.0 308.9

Manual Integrations
APPROVED

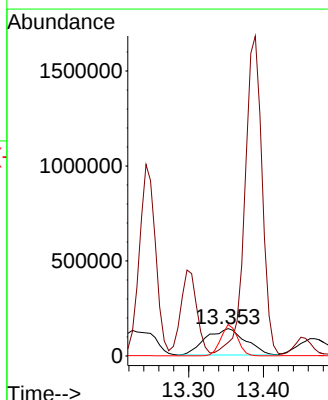
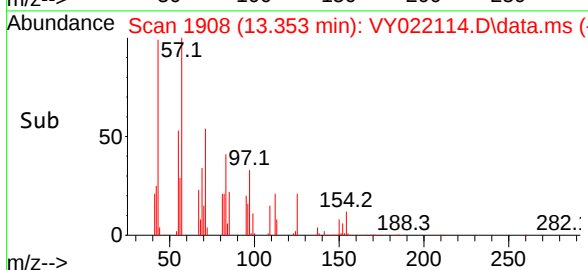
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

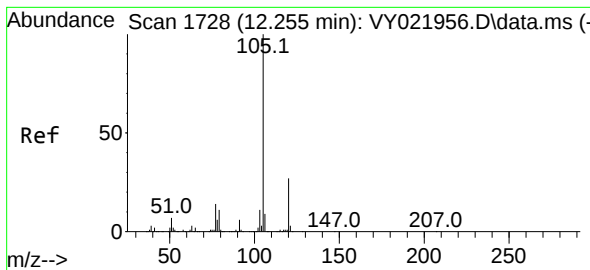


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00



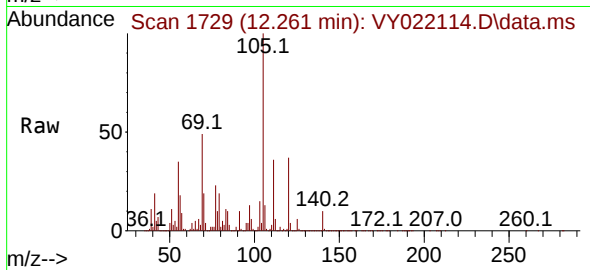
Tgt Ion:152 Resp: 511573
Ion Ratio Lower Upper
152 100
115 0.0 28.0 84.0#
150 50.2 0.0 345.6





#73
Isopropylbenzene
Concen: 454.561 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

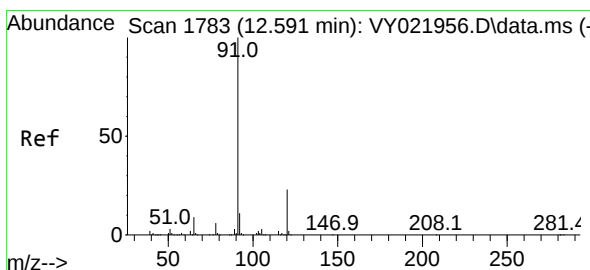
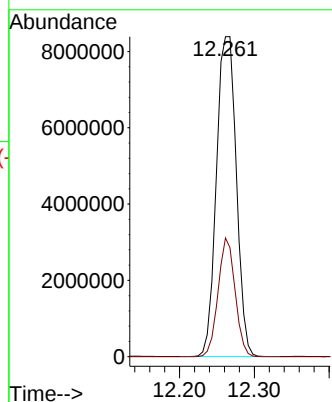
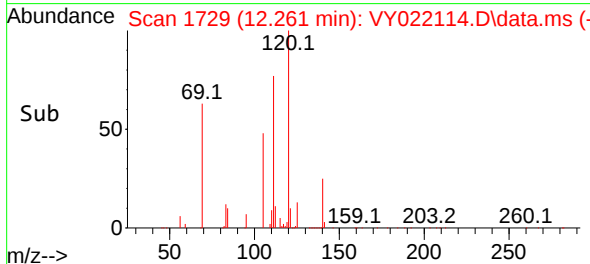
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



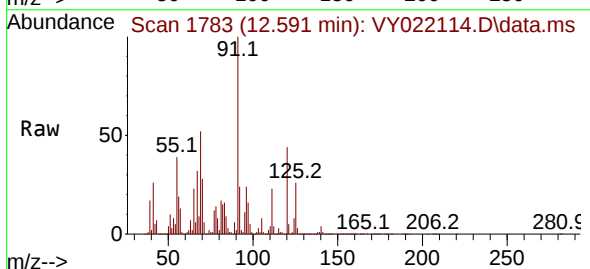
Tgt Ion:105 Resp:15536198
Ion Ratio Lower Upper
105 100
120 31.8 13.5 40.5

Manual Integrations
APPROVED

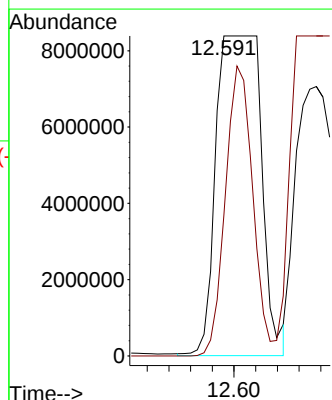
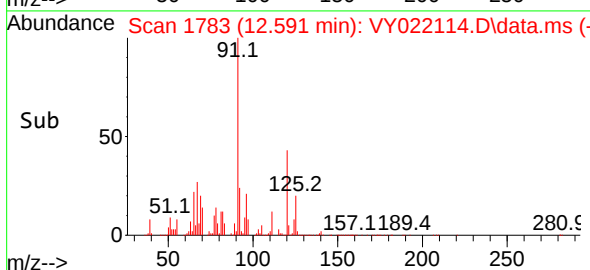
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

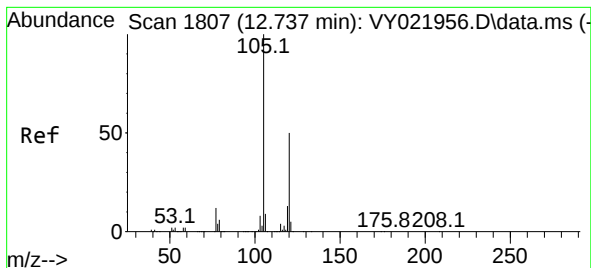


#78
n-propylbenzene
Concen: 595.810 ug/l m
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00



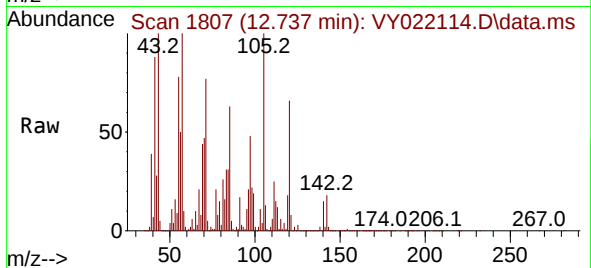
Tgt Ion: 91 Resp:24251065
Ion Ratio Lower Upper
91 100
120 12.5 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 670.352 ug/l m
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

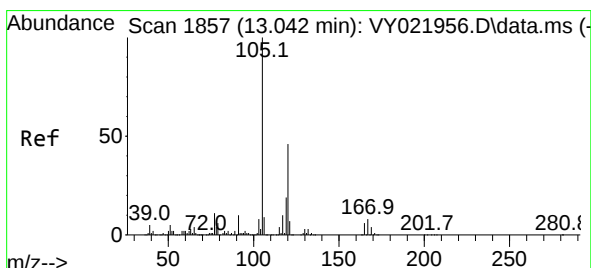
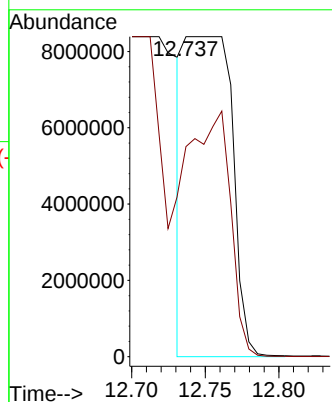
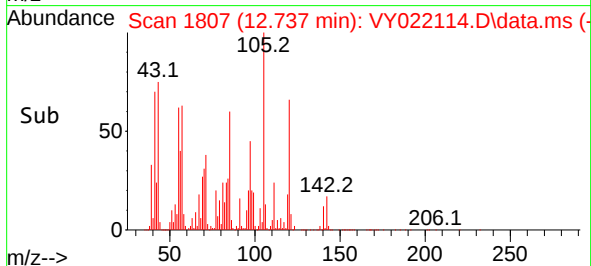
Instrument :
MSVOA_Y
ClientSampleId :
SS-8



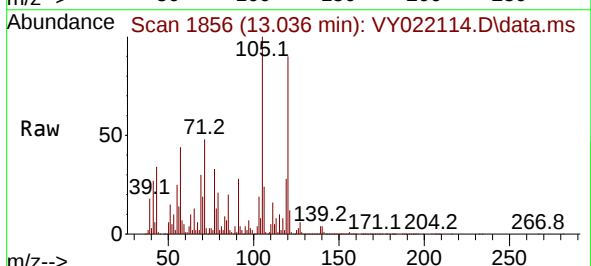
Tgt Ion:105 Resp:18877935
Ion Ratio Lower Upper
105 100
120 16.1 25.0 75.0

Manual Integrations
APPROVED

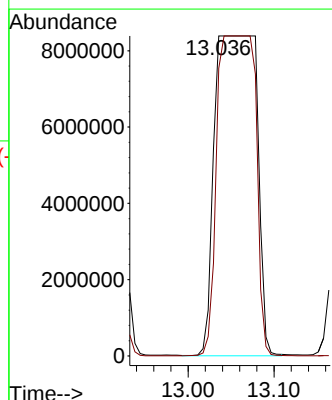
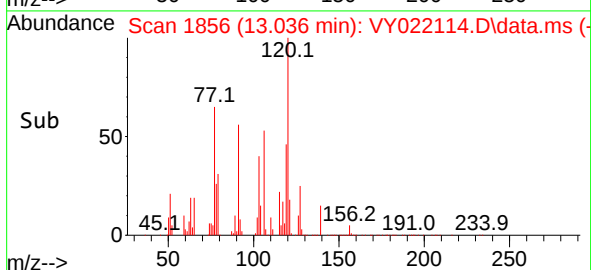
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

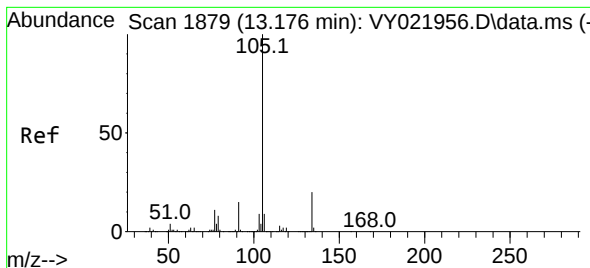


#84
1,2,4-Trimethylbenzene
Concen: 1013.017 ug/l m
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00



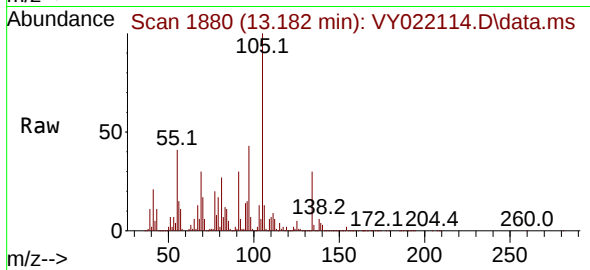
Tgt Ion:105 Resp:28534345
Ion Ratio Lower Upper
105 100
120 0.0 23.4 70.0





#85
 sec-Butylbenzene
 Concen: 403.805 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. 0.006 min
 Lab File: VY022114.D
 Acq: 01 May 2025 18:00

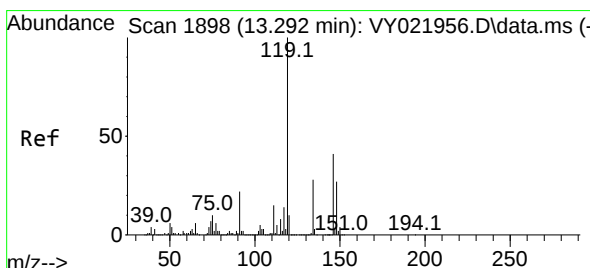
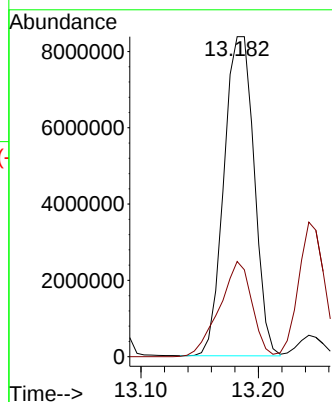
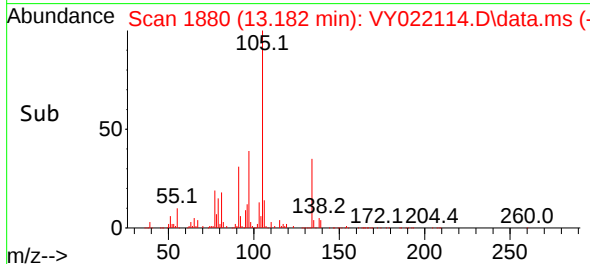
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-8



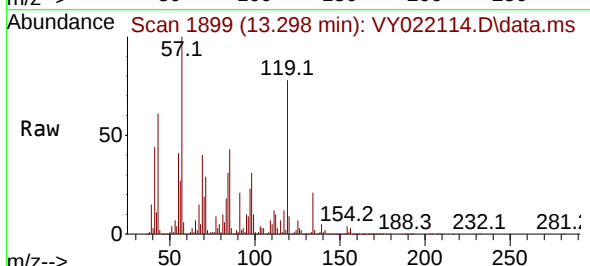
Tgt Ion:105 Resp:1492373
 Ion Ratio Lower Upper
 105 100
 134 32.1 10.3 30.9

Manual Integrations
 APPROVED

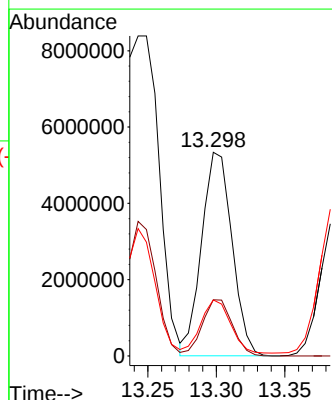
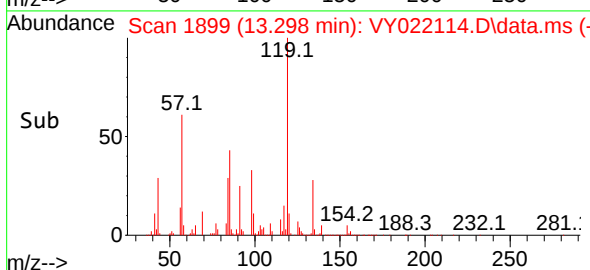
Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

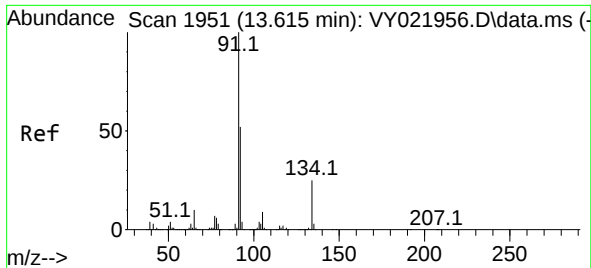


#86
 p-Isopropyltoluene
 Concen: 262.753 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.006 min
 Lab File: VY022114.D
 Acq: 01 May 2025 18:00



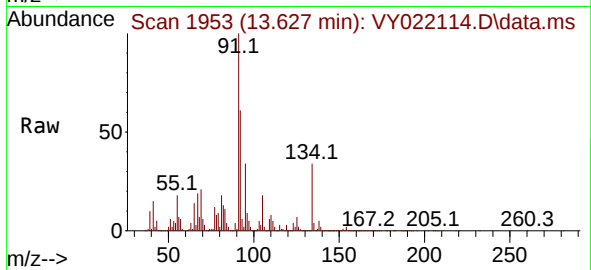
Tgt Ion:119 Resp: 8245920
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.6 40.7
 91 25.2 11.0 33.0





#89
n-Butylbenzene
Concen: 451.254 ug/l
RT: 13.627 min Scan# 1953
Delta R.T. 0.012 min
Lab File: VY022114.D
Acq: 01 May 2025 18:00

Instrument :
MSVOA_Y
ClientSampleId :
SS-8



Tgt Ion: 91 Resp:1265808
Ion Ratio Lower Upper
91 100
92 64.1 26.5 79.5
134 0.0 13.4 40.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

