

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022699.D
 Acq On : 16 Jun 2025 11:22
 Operator : SY/MD
 Sample : Q2328-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT25653

Quant Time: Jun 16 14:15:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	106068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	190492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	135694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	33041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55270	46.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.180%
35) Dibromofluoromethane	7.634	113	58051	51.056	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.109	98	216933	47.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.407	95	42642	31.152	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.300%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	2143m	8.895	ug/l	
20) Methylene Chloride	4.610	84	6151	4.495	ug/l	88
52) Toluene	10.170	92	14284	4.170	ug/l	95
67) Ethyl Benzene	11.517	91	9371	1.683	ug/l	99
68) m/p-Xylenes	11.627	106	10614	5.027	ug/l	97
69) o-Xylene	11.956	106	5087	2.570	ug/l	98
78) n-propylbenzene	12.596	91	6387	1.928	ug/l	92
80) 1,3,5-Trimethylbenzene	12.737	105	10477	4.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	34378	16.140	ug/l	97
85) sec-Butylbenzene	13.176	105	14171	4.841	ug/l	100
86) p-Isopropyltoluene	13.291	119	6467	2.680	ug/l	90
89) n-Butylbenzene	13.615	91	4791	2.093	ug/l #	75

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

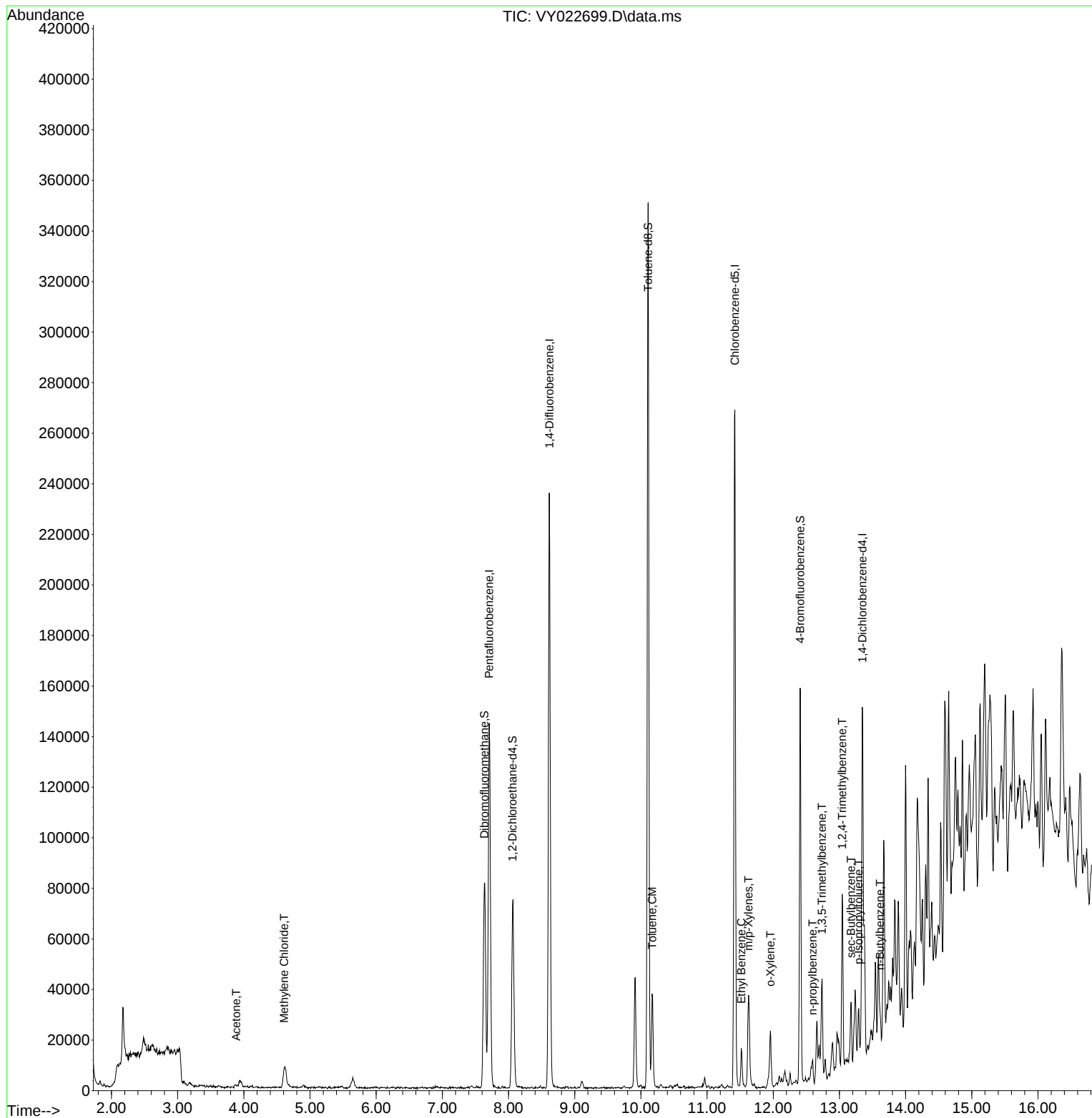
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
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MSVOA_Y
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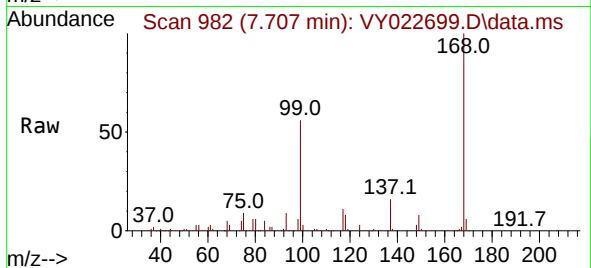
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

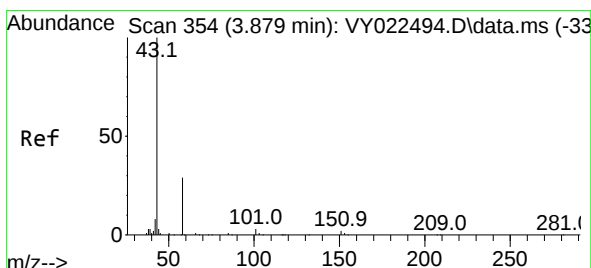
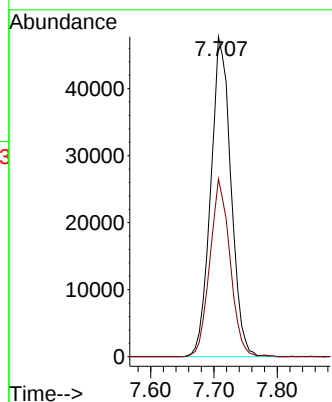
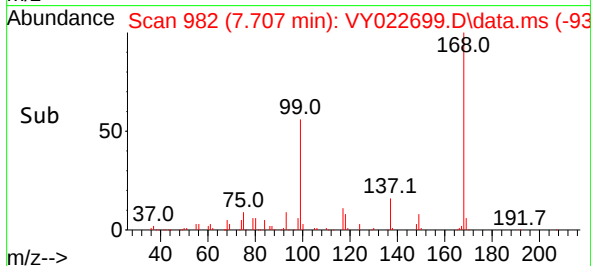
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



Tgt Ion:168 Resp: 106068
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5

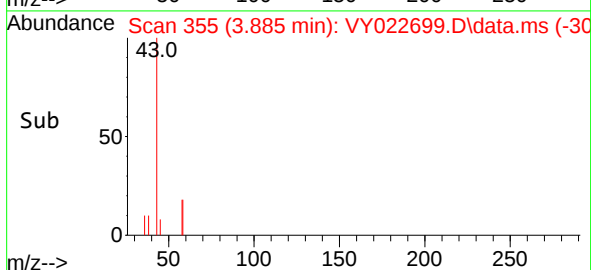
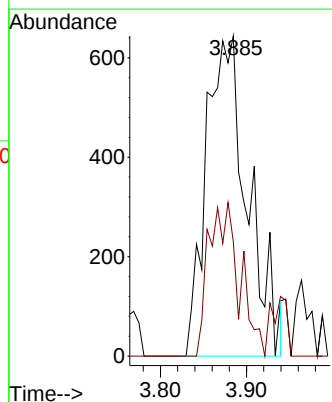
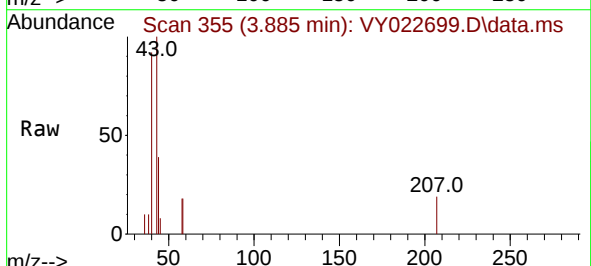
Manual Integrations
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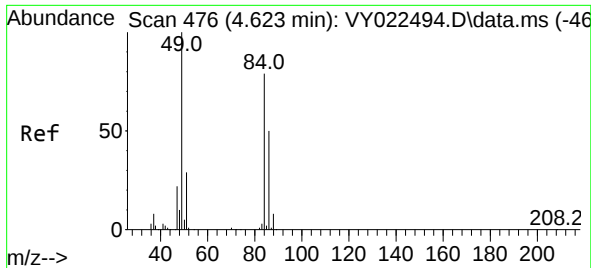
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#16
Acetone
Concen: 8.895 ug/l m
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

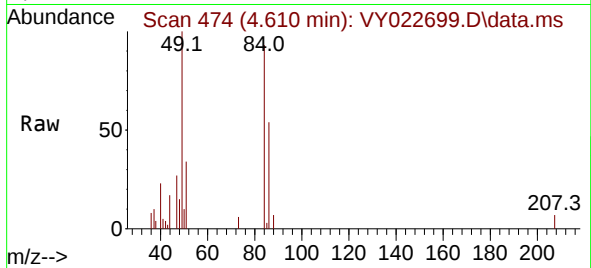
Tgt Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
58 18.2 24.0 36.0#





#20
Methylene Chloride
Concen: 4.495 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

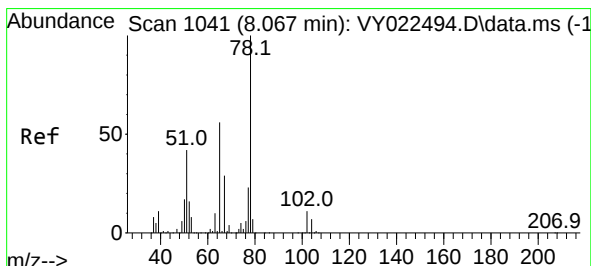
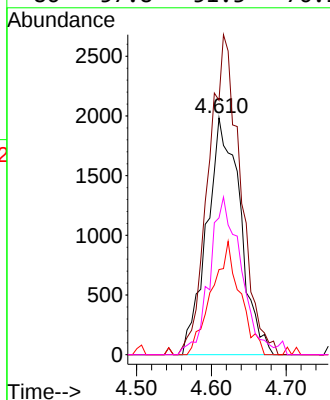
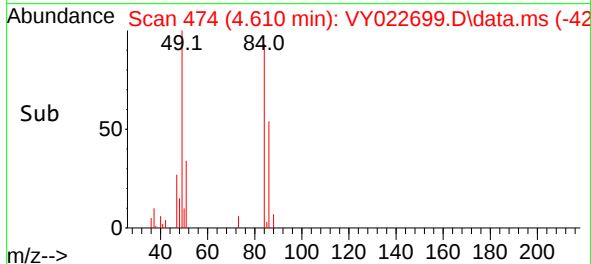
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



Tgt Ion: 84 Resp: 615
Ion Ratio Lower Upper
84 100
49 107.4 101.9 152.9
51 36.0 29.8 44.8
86 57.8 51.3 76.9

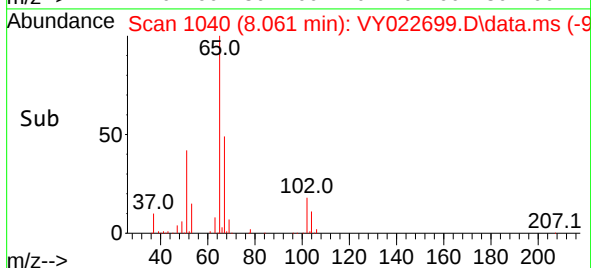
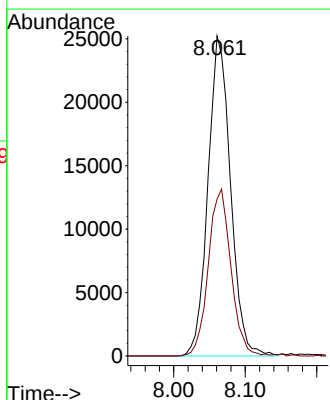
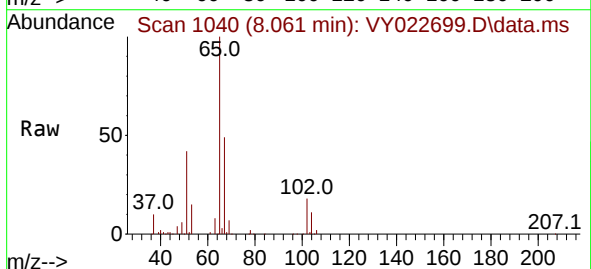
Manual Integrations
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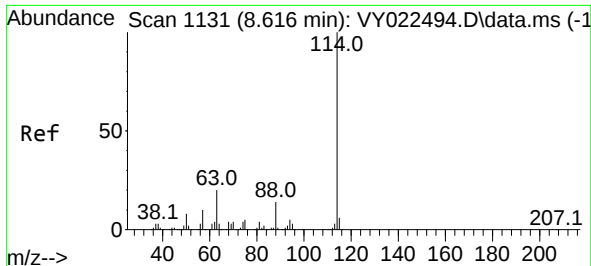
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#33
1,2-Dichloroethane-d4
Concen: 46.590 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

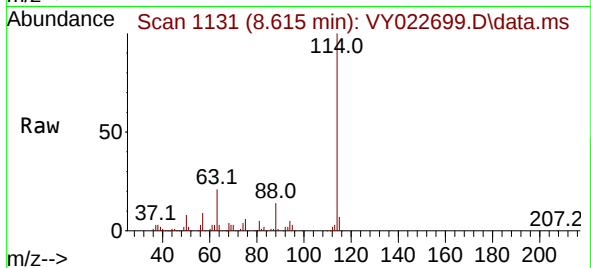
Tgt Ion: 65 Resp: 55270
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

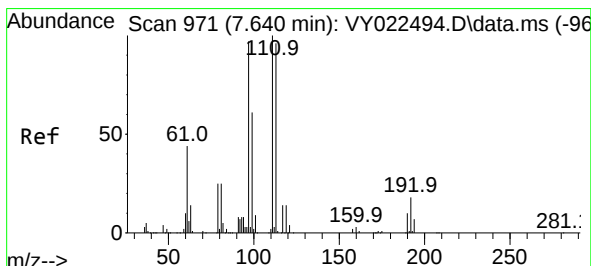
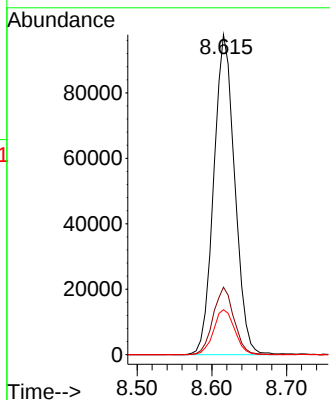
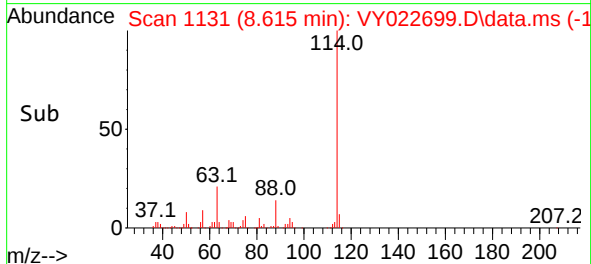
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



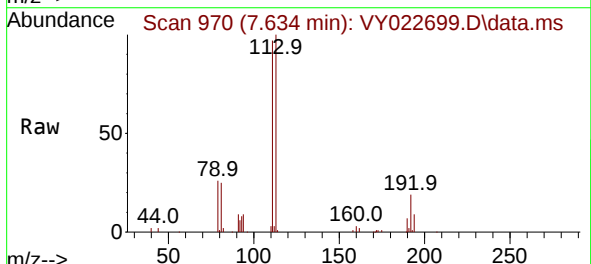
Tgt Ion:114 Resp: 190492
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 14.0 0.0 27.8

Manual Integrations
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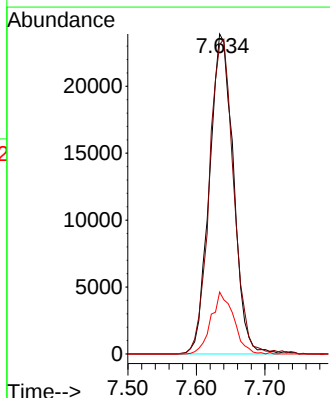
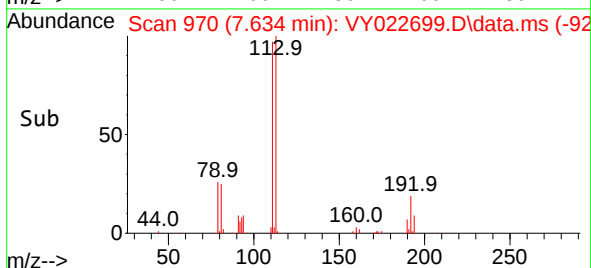
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

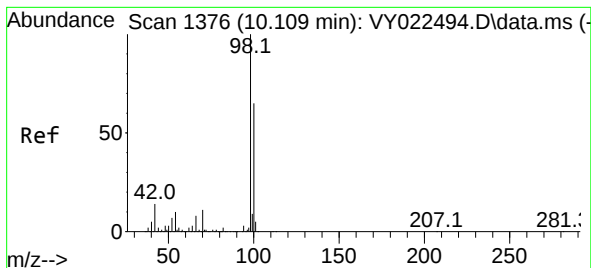


#35
Dibromofluoromethane
Concen: 51.056 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22



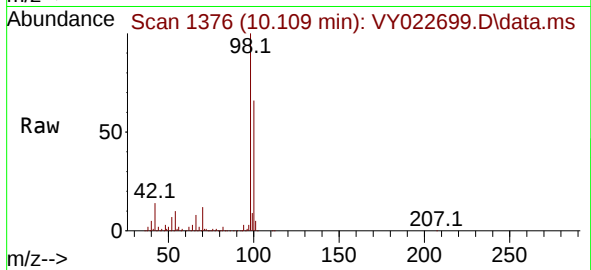
Tgt Ion:113 Resp: 58051
Ion Ratio Lower Upper
113 100
111 99.6 81.1 121.7
192 18.2 14.2 21.2





#50
Toluene-d8
Concen: 47.218 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

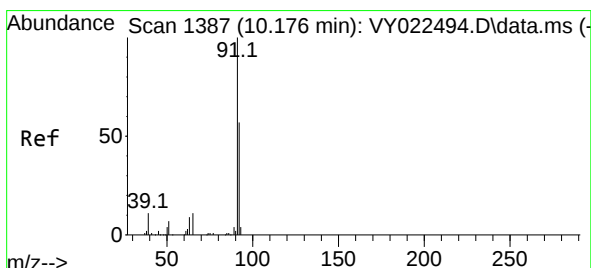
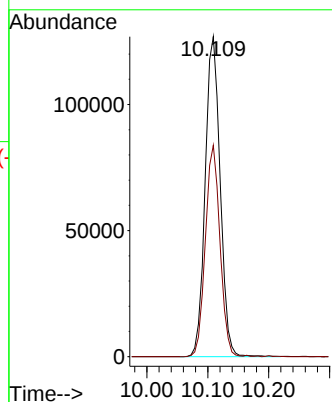
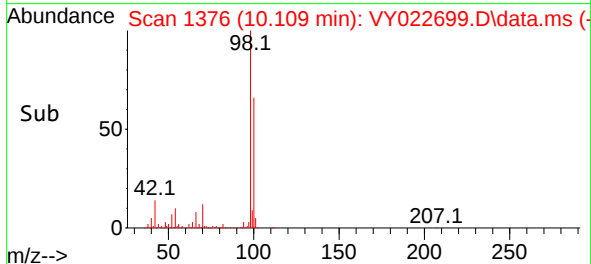
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



Tgt Ion: 98 Resp: 21693
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

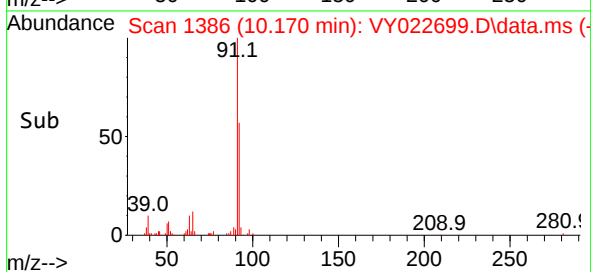
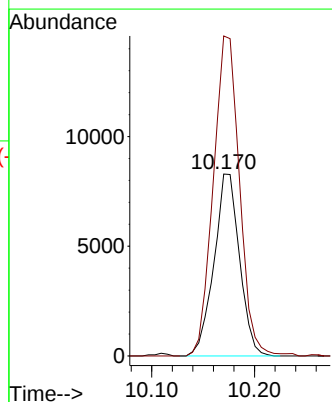
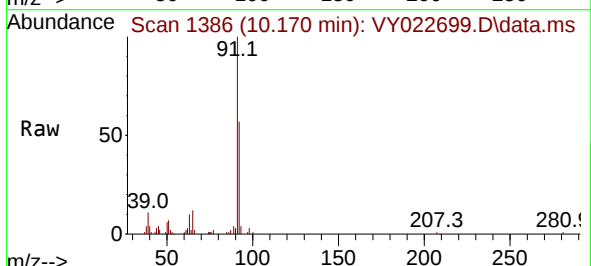
Manual Integrations
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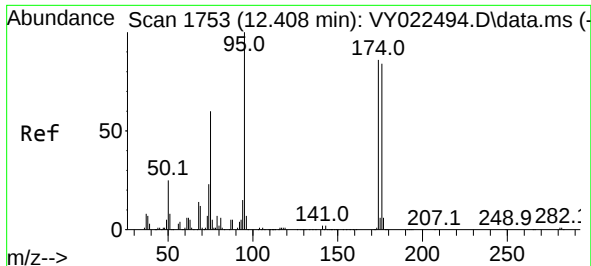
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#52
Toluene
Concen: 4.170 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

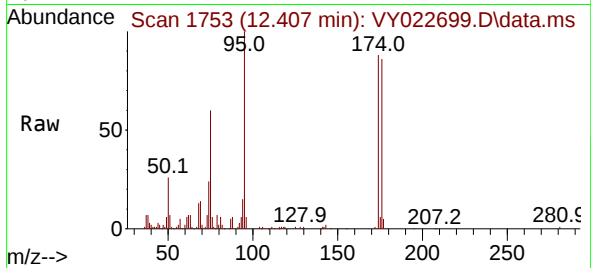
Tgt Ion: 92 Resp: 14284
Ion Ratio Lower Upper
92 100
91 180.7 139.0 208.4





#62
4-Bromofluorobenzene
Concen: 31.152 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

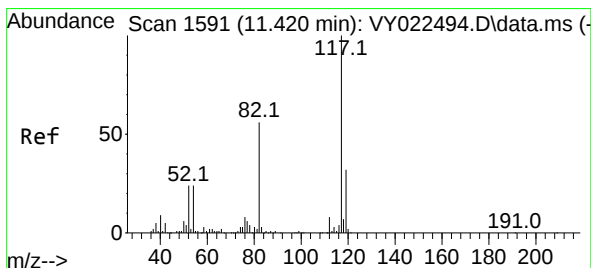
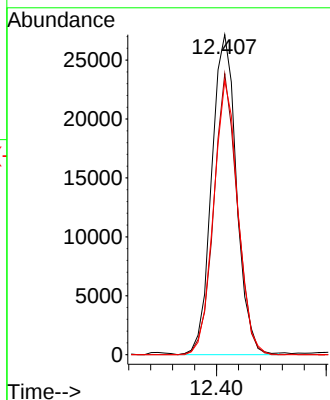
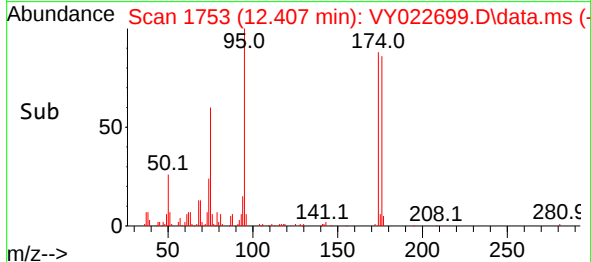
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



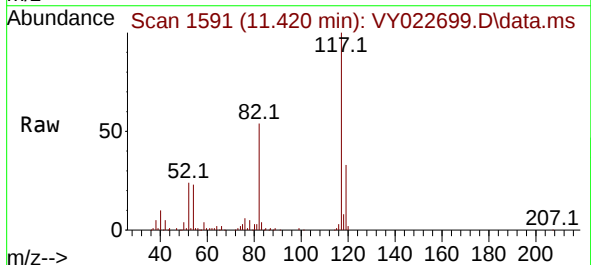
Tgt Ion: 95 Resp: 4264
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 83.6 0.0 166.2

Manual Integrations
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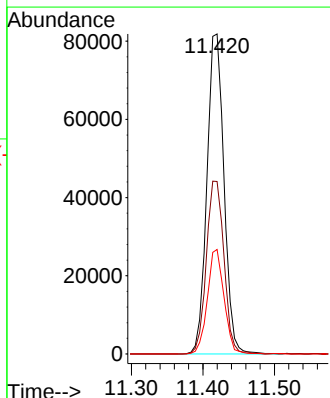
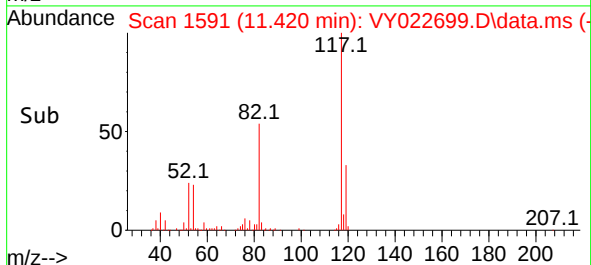
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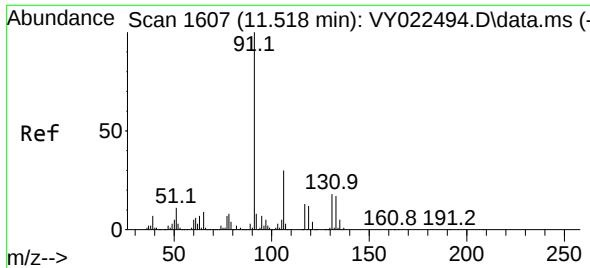


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22



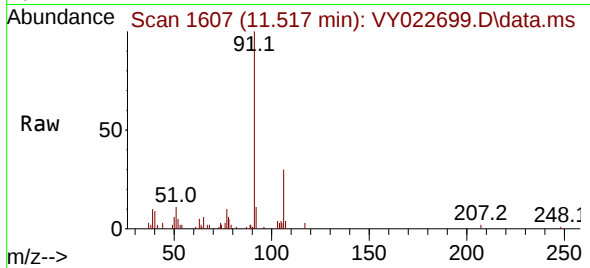
Tgt Ion:117 Resp: 135694
Ion Ratio Lower Upper
117 100
82 53.9 44.6 66.8
119 32.7 25.4 38.0





#67
Ethyl Benzene
Concen: 1.683 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

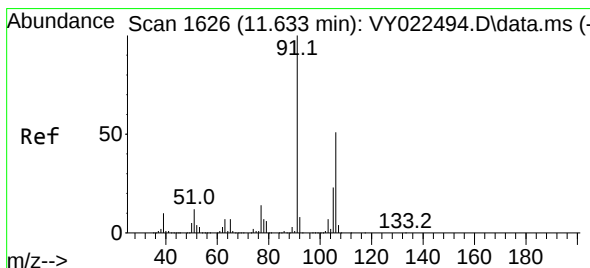
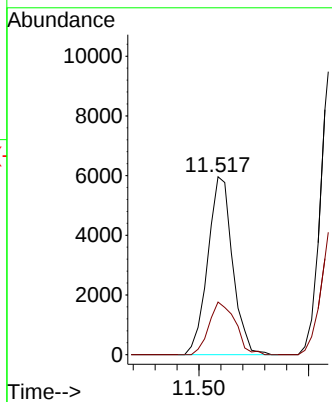
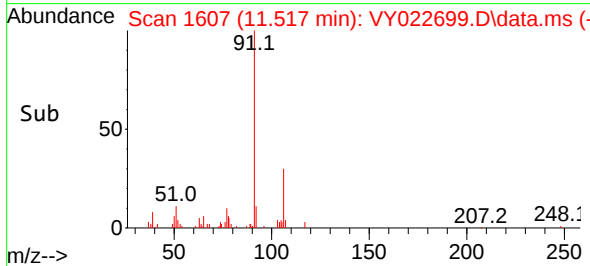
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CHRT25653



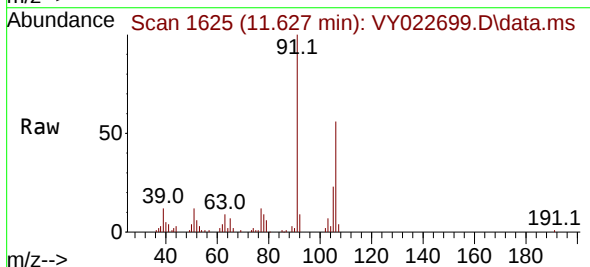
Tgt Ion: 91 Resp: 937
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4

Manual Integrations
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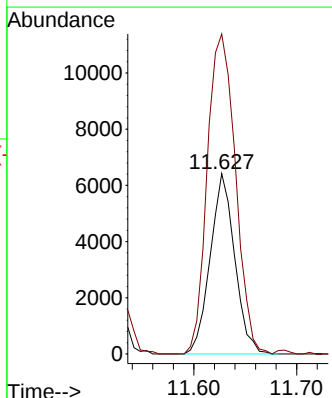
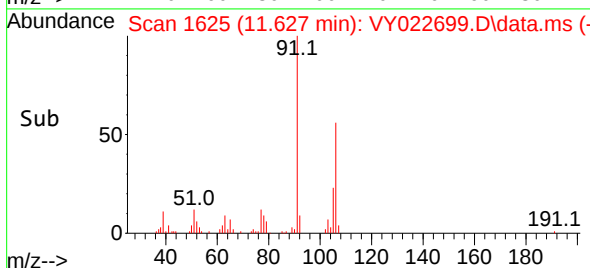
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Supervised By :Mahesh Dadoda 06/17/2025

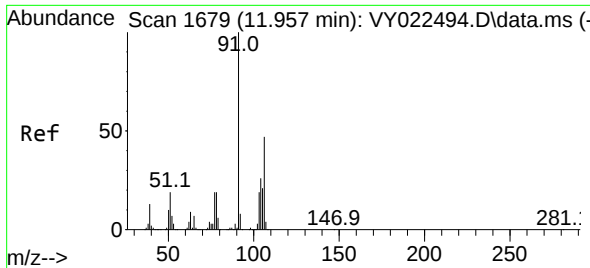


#68
m/p-Xylenes
Concen: 5.027 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22



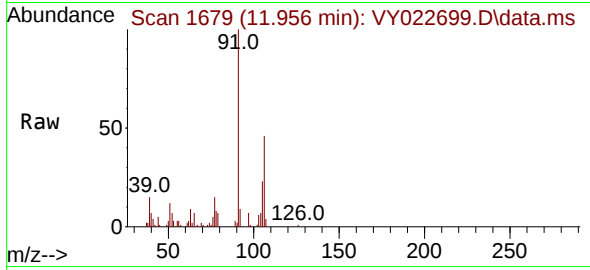
Tgt Ion:106 Resp: 10614
Ion Ratio Lower Upper
106 100
91 204.2 159.4 239.0





#69
o-Xylene
Concen: 2.570 ug/l
RT: 11.956 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

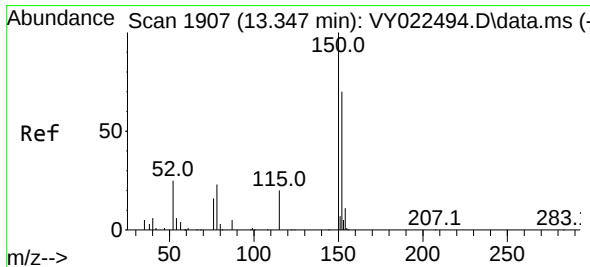
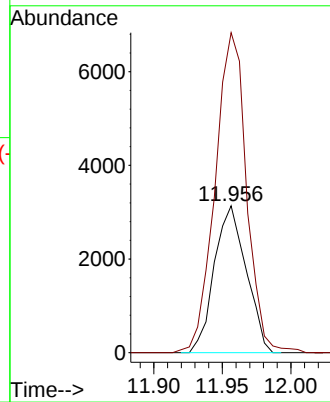
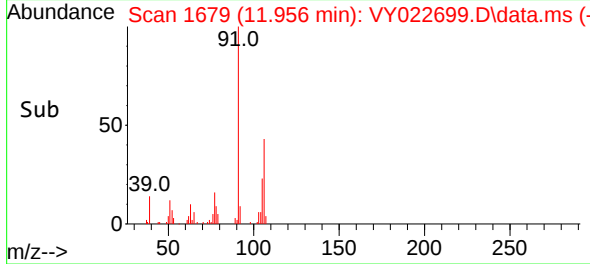
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



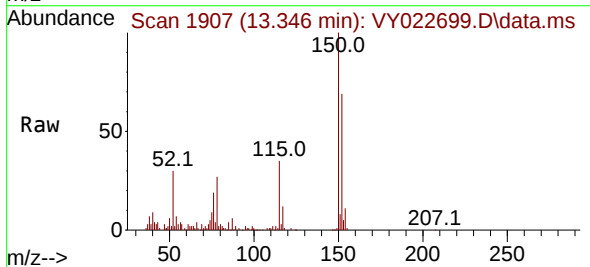
Tgt Ion:106 Resp: 508
Ion Ratio Lower Upper
106 100
91 214.4 105.8 317.3

Manual Integrations
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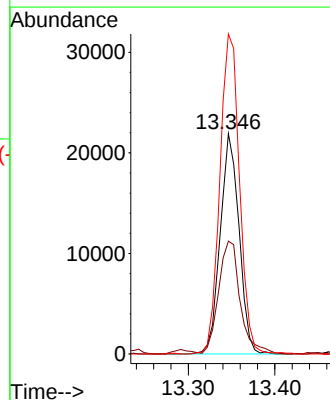
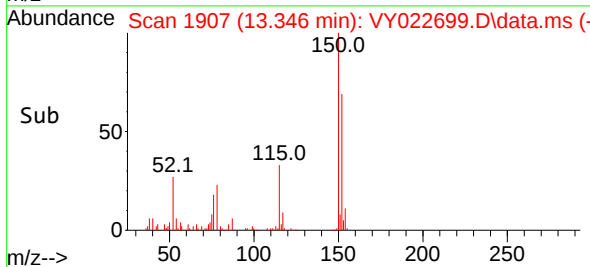
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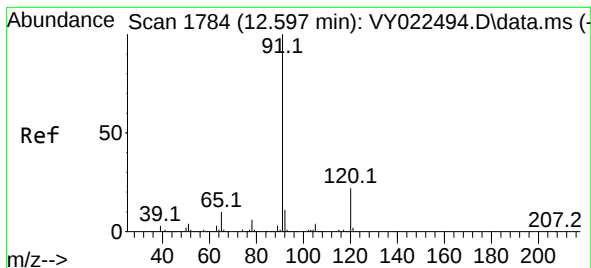


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22



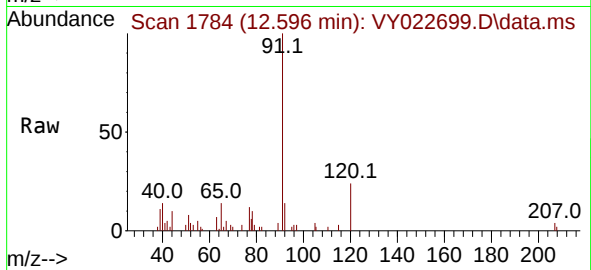
Tgt Ion:152 Resp: 33041
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 151.9 0.0 349.6





#78
n-propylbenzene
Concen: 1.928 ug/l
RT: 12.596 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

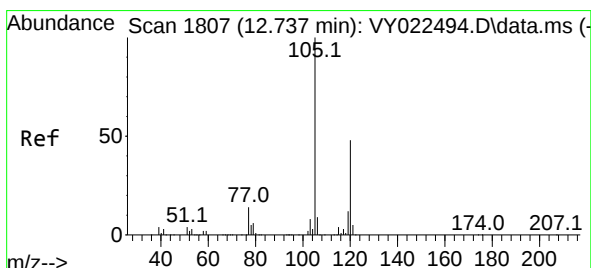
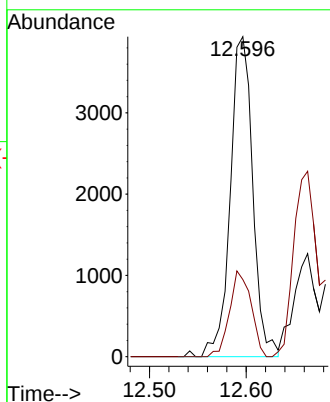
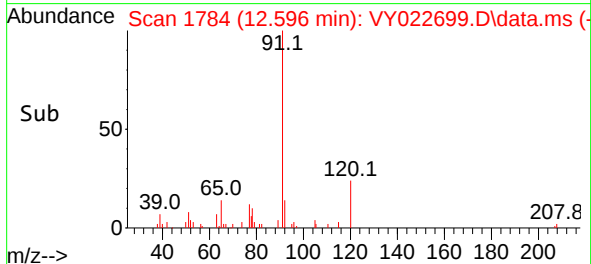
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653



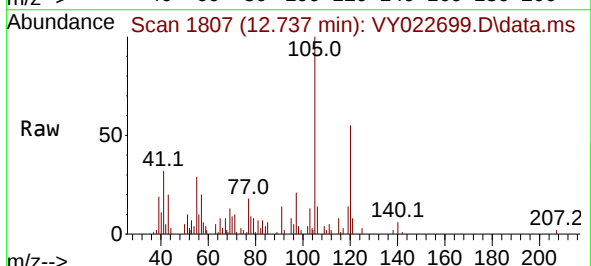
Tgt Ion: 91 Resp: 638
Ion Ratio Lower Upper
91 100
120 25.5 10.8 32.4

Manual Integrations
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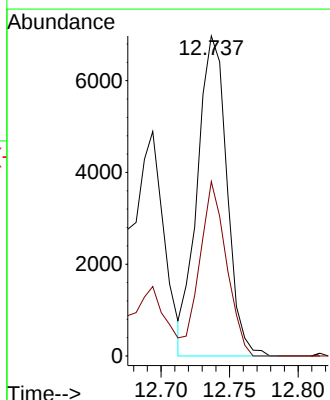
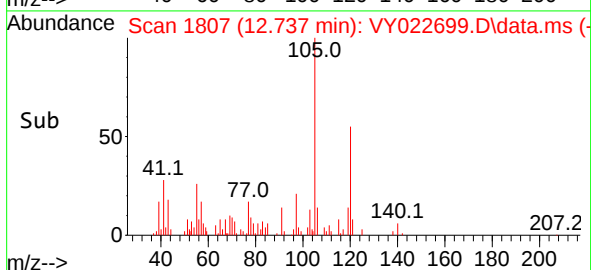
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

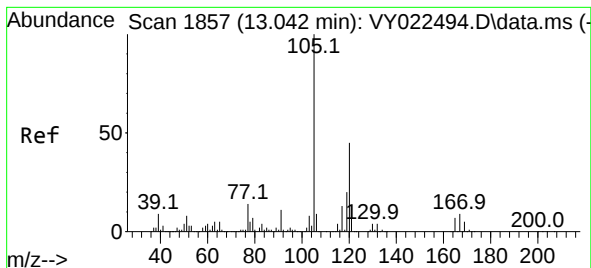


#80
1,3,5-Trimethylbenzene
Concen: 4.920 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22



Tgt Ion:105 Resp: 10477
Ion Ratio Lower Upper
105 100
120 49.4 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 16.140 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022699.D

Acq: 16 Jun 2025 11:22

Instrument :

MSVOA_Y

ClientSampleId :

CHRT25653

Tgt Ion:105 Resp: 34378

Ion Ratio Lower Upper

105 100

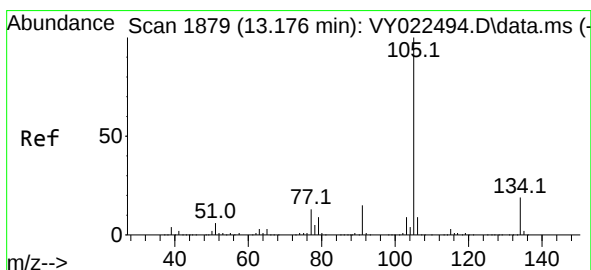
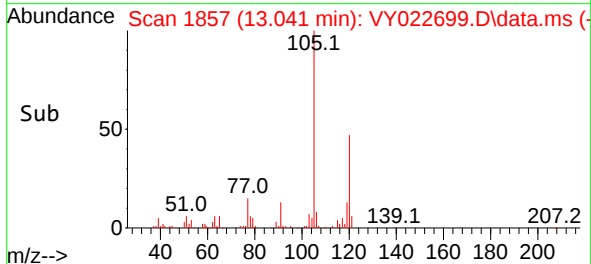
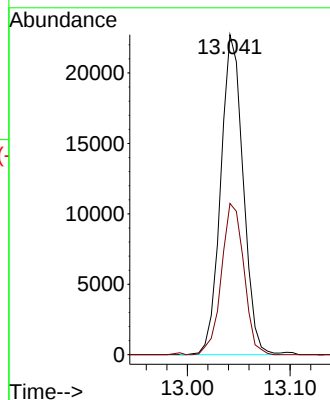
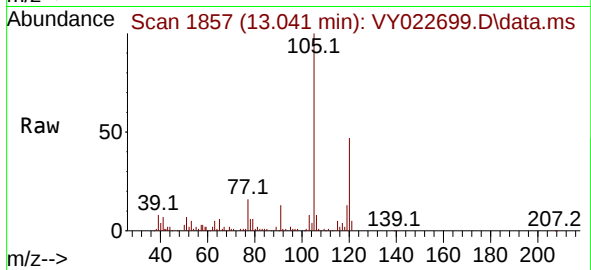
120 47.3 22.7 68.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025

Supervised By :Mahesh Dadoda 06/17/2025



#85

sec-Butylbenzene

Concen: 4.841 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022699.D

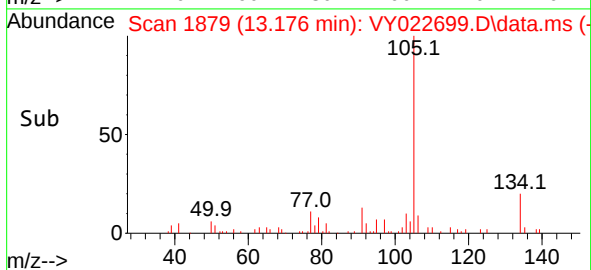
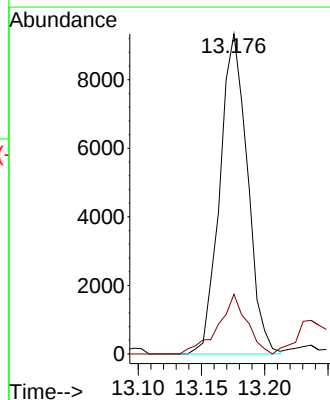
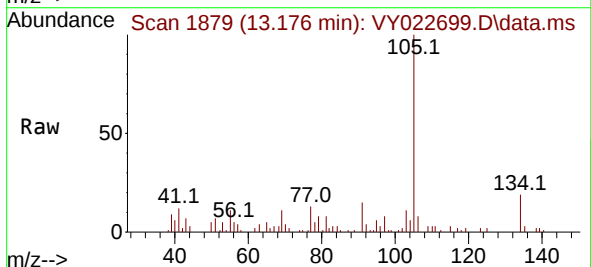
Acq: 16 Jun 2025 11:22

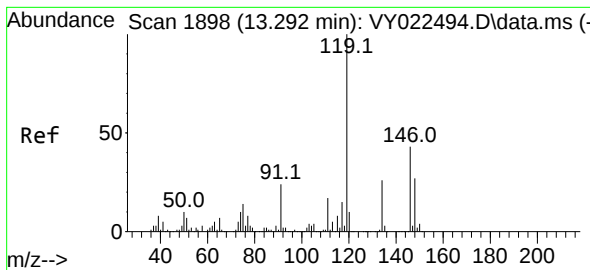
Tgt Ion:105 Resp: 14171

Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9





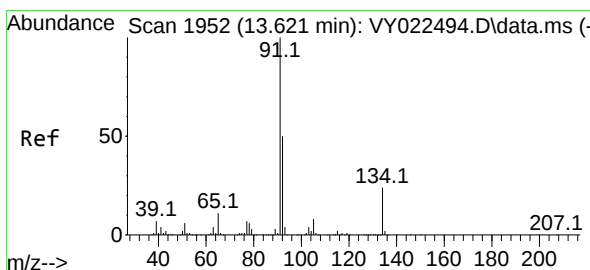
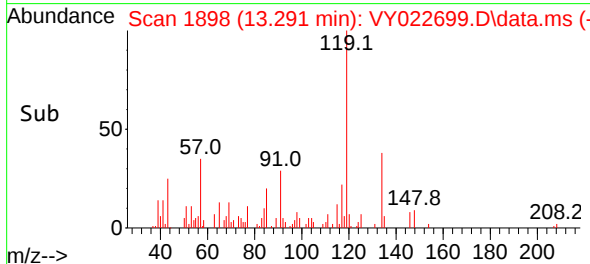
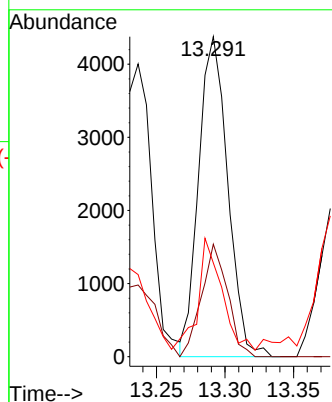
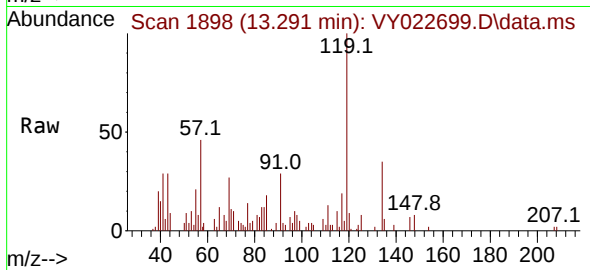
#86
p-Isopropyltoluene
Concen: 2.680 ug/l
RT: 13.291 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

Tgt Ion:119 Resp: 646
Ion Ratio Lower Upper
119 100
134 31.4 13.1 39.1
91 28.4 11.6 34.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#89
n-Butylbenzene
Concen: 2.093 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY022699.D
Acq: 16 Jun 2025 11:22

Tgt Ion: 91 Resp: 4791
Ion Ratio Lower Upper
91 100
92 61.3 25.9 77.8
134 0.0 12.0 36.1#

