

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021004.D
 Acq On : 31 Jan 2025 12:54
 Operator : SY/MD
 Sample : Q1244-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-01302025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
 Supervised By :Semsettin Yesilyurt 02/03/2025

Quant Time: Jan 31 22:23:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	7426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	9306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	25	0.395	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	0.800%#		
35) Dibromofluoromethane	7.640	113	59	1.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	2.100%#		
50) Toluene-d8	10.109	98	418	1.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	3.820%#		
62) 4-Bromofluorobenzene	12.420	95	166	2.266	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	4.540%#		
Target Compounds						
67) Ethyl Benzene	11.524	91	518	2.661	ug/l #	65
68) m/p-Xylenes	11.633	106	782	10.456	ug/l	79
69) o-Xylene	11.956	106	566	8.141	ug/l	87
78) n-propylbenzene	12.609	91	1027	12.552	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	2964	51.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	9349	167.338	ug/l	99
85) sec-Butylbenzene	13.182	105	1418	18.882	ug/l	83
86) p-Isopropyltoluene	13.298	119	963m	15.259	ug/l	
89) n-Butylbenzene	13.627	91	579	10.243	ug/l #	63

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

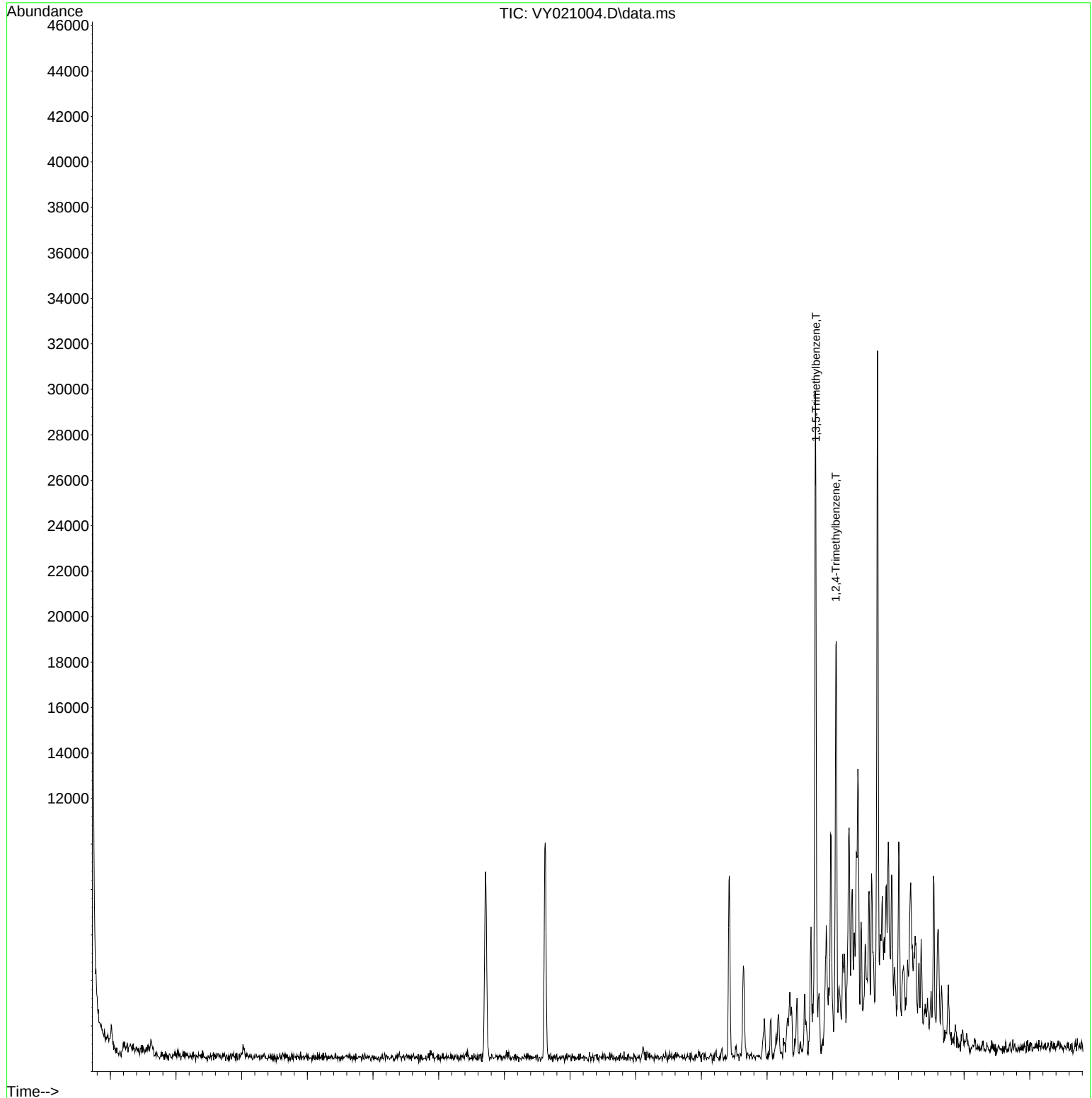
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
Data File : VY021004.D
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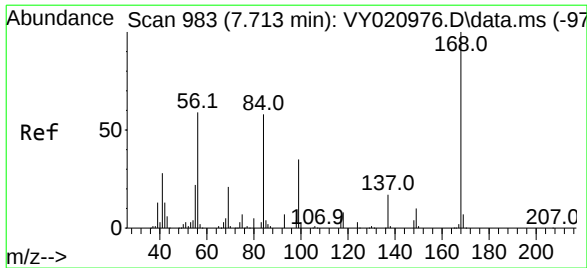
Instrument :
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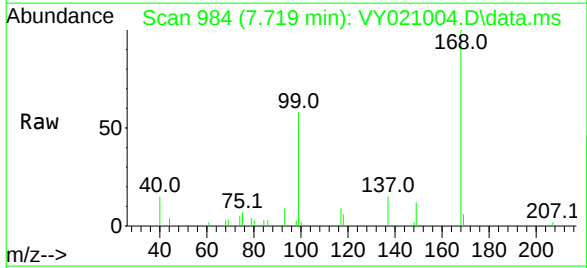
Quant Time: Jan 31 22:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 31 16:50:06 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

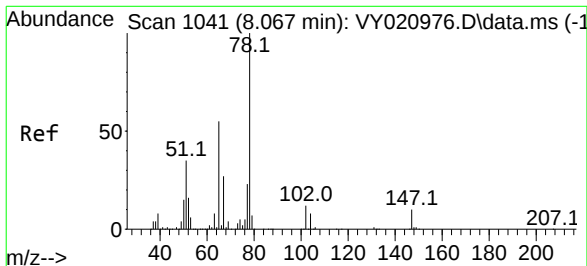
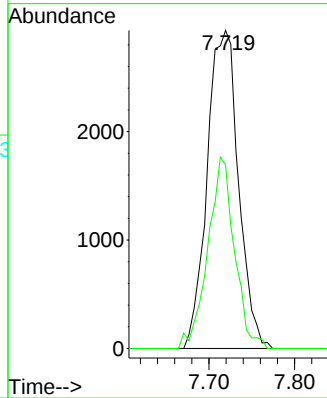
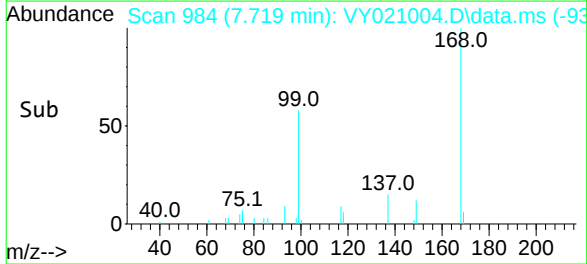
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-01302025



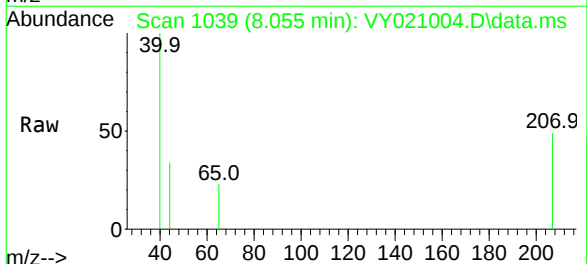
Tgt Ion: 168 Resp: 7426
Ion Ratio Lower Upper
168 100
99 57.6 42.2 63.2

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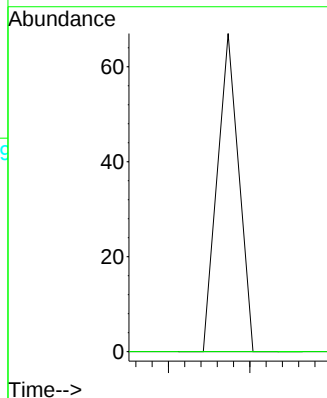
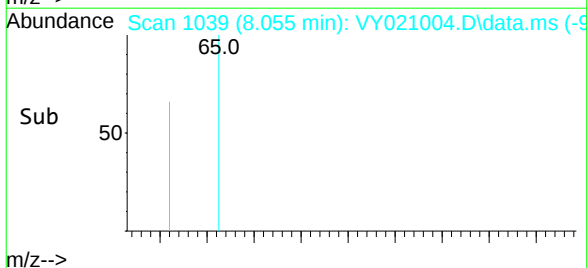
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025

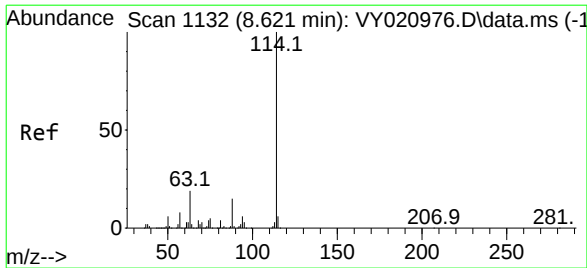


#33
1,2-Dichloroethane-d4
Concen: 0.395 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54



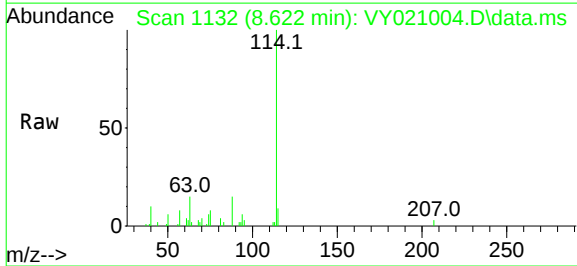
Tgt Ion: 65 Resp: 25
Ion Ratio Lower Upper
65 100
67 0.0 0.0 104.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

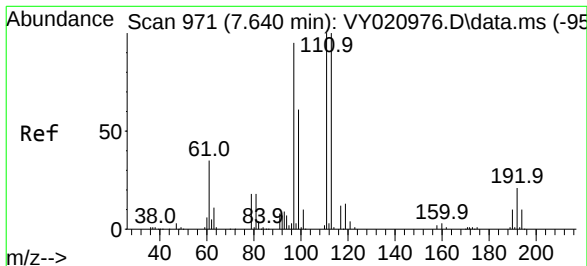
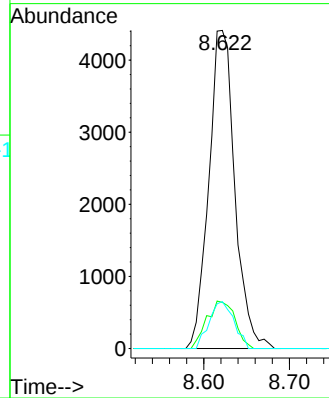
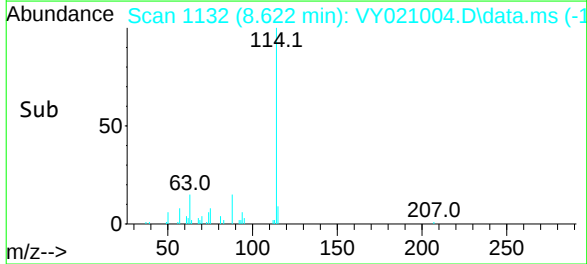
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ClientSampleId :
EO-02-01302025



Tgt Ion:114 Resp: 9306
Ion Ratio Lower Upper
114 100
63 14.5 0.0 37.2
88 14.7 0.0 29.6

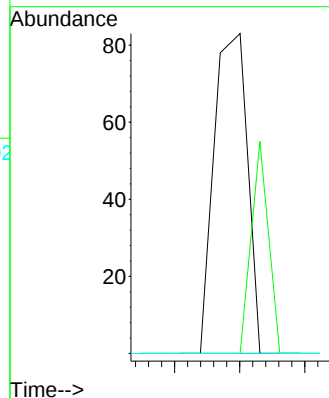
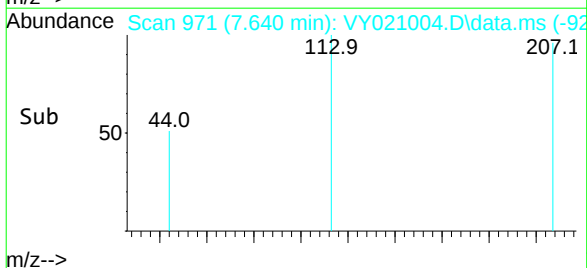
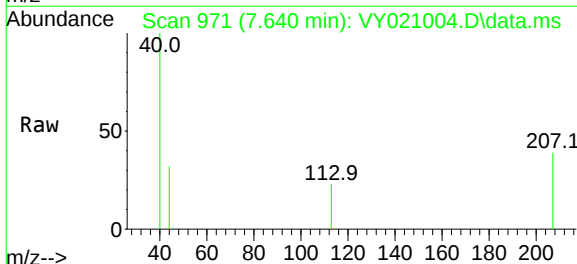
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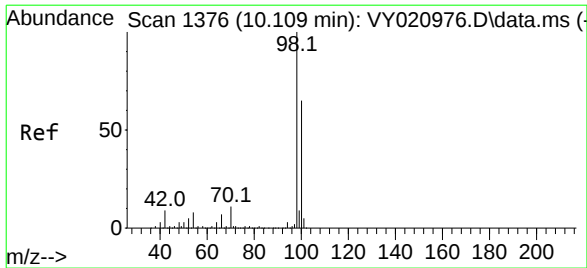
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025



#35
Dibromofluoromethane
Concen: 1.055 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion:113 Resp: 59
Ion Ratio Lower Upper
113 100
111 33.9 82.6 123.8#
192 0.0 16.8 25.2#





#50

Toluene-d8

Concen: 1.914 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

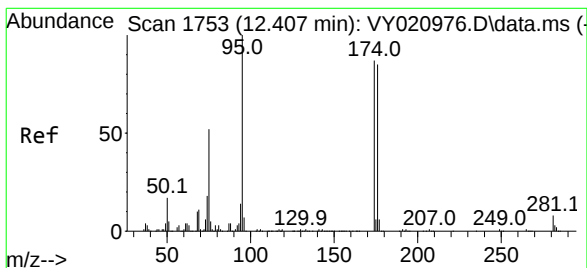
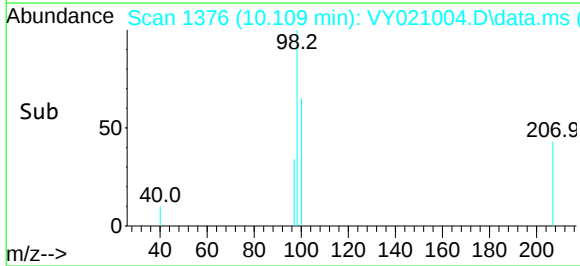
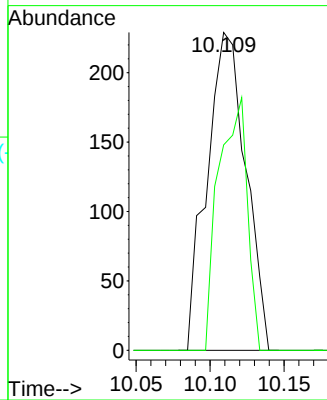
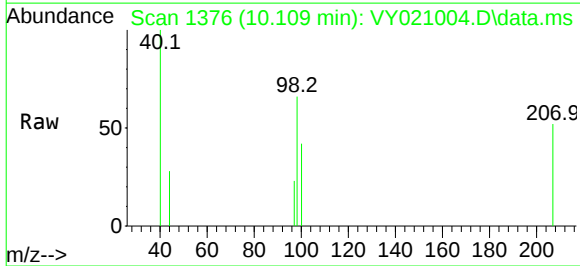
EO-02-01302025

Tgt Ion: 98 Resp: 418
 Ion Ratio Lower Upper
 98 100
 100 58.4 52.6 79.0

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 Supervised By :Semsettin Yesilyurt 02/03/2025



#62

4-Bromofluorobenzene

Concen: 2.266 ug/l

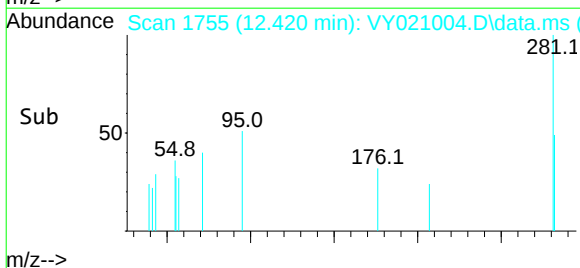
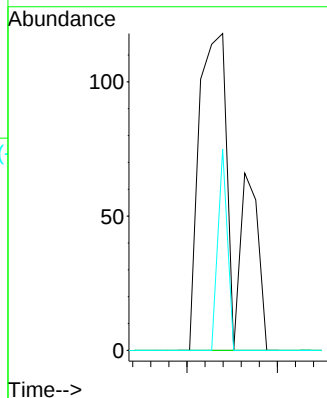
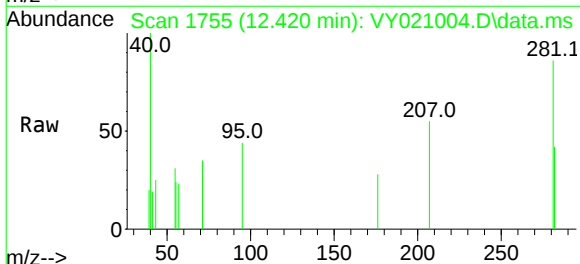
RT: 12.420 min Scan# 1755

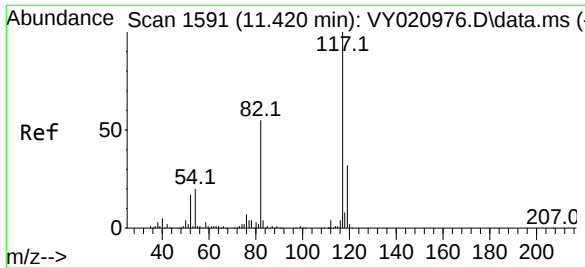
Delta R.T. 0.012 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Tgt Ion: 95 Resp: 166
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 181.2
 176 16.3 0.0 175.2





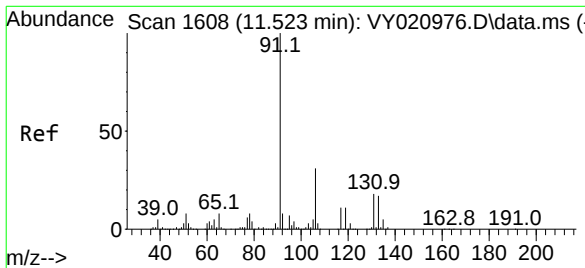
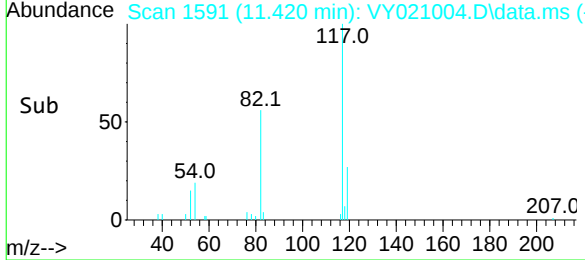
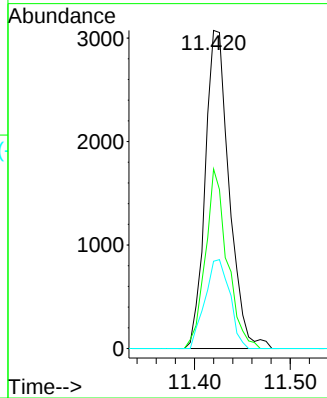
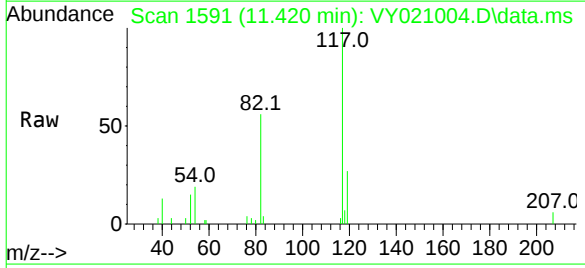
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-01302025

Tgt Ion:	117	Resp:	5336
Ion Ratio	Lower	Upper	
117	100		
82	56.4	44.2	66.2
119	27.4	25.9	38.9

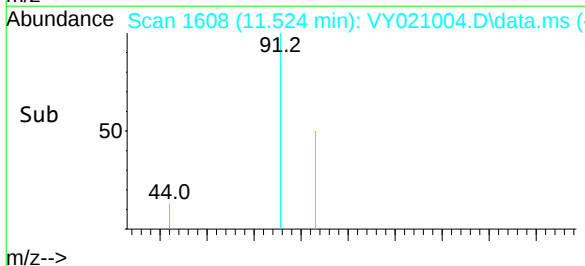
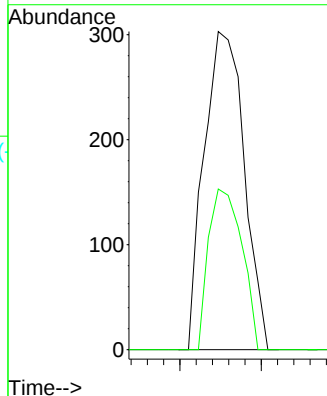
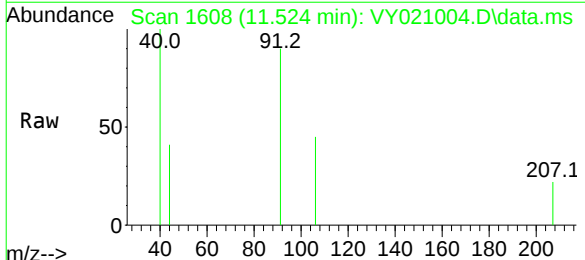
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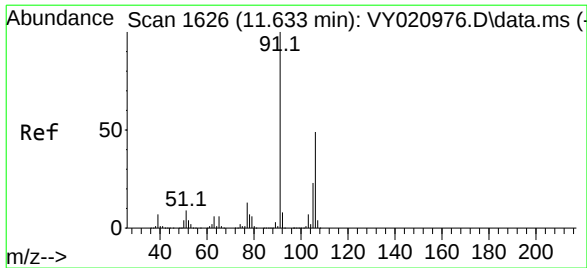
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025



#67
Ethyl Benzene
Concen: 2.661 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion:	91	Resp:	518
Ion Ratio	Lower	Upper	
91	100		
106	50.5	24.9	37.3#





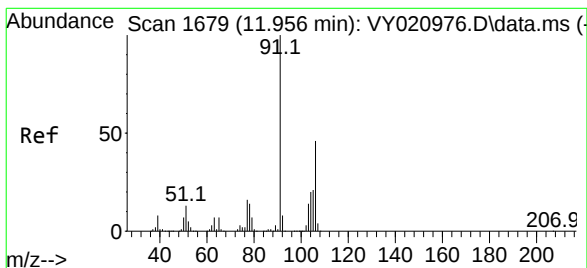
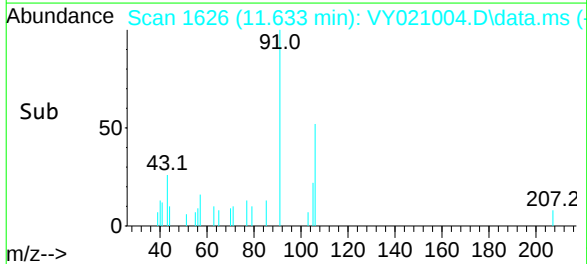
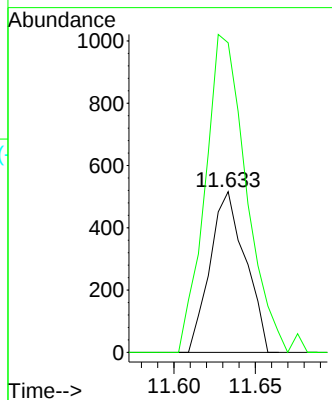
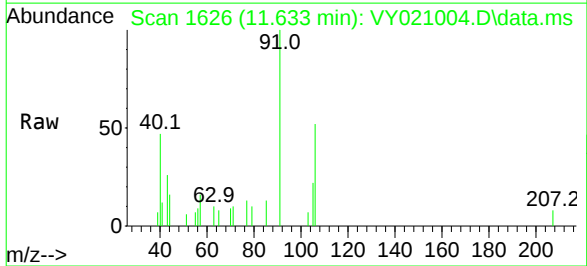
#68
m/p-Xylenes
Concen: 10.456 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-01302025

Tgt Ion:106 Resp: 782
Ion Ratio Lower Upper
106 100
91 231.5 160.0 240.0

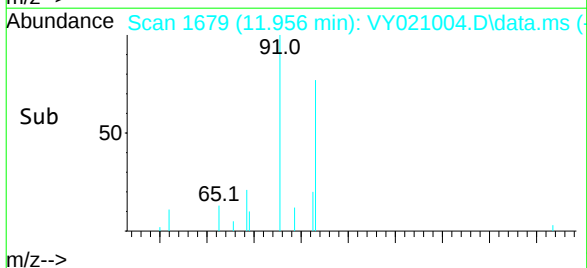
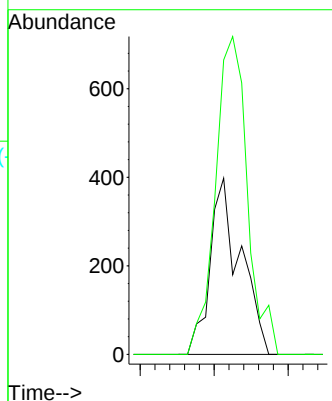
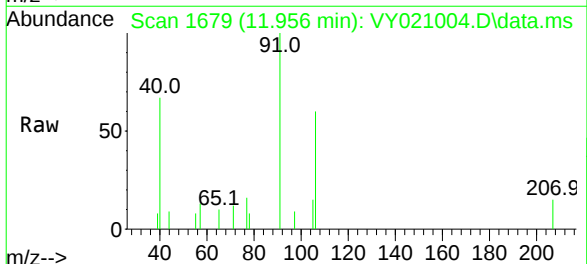
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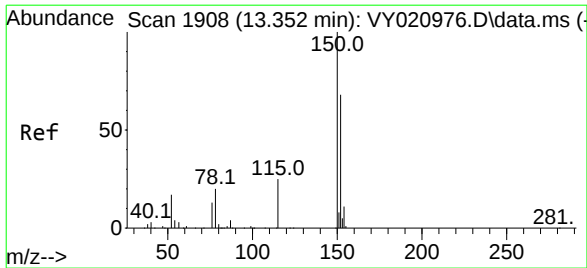
Reviewed By :Mahesh Dadoda 02/03/2025
Supervised By :Semsettin Yesilyurt 02/03/2025



#69
o-Xylene
Concen: 8.141 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021004.D
Acq: 31 Jan 2025 12:54

Tgt Ion:106 Resp: 566
Ion Ratio Lower Upper
106 100
91 190.6 105.8 317.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021004.D

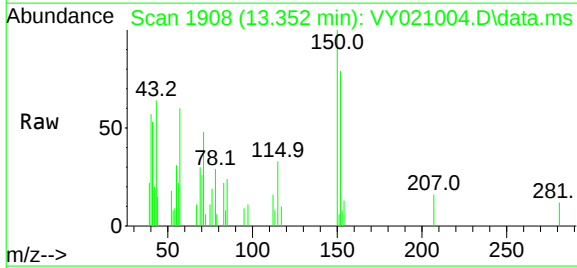
Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-01302025



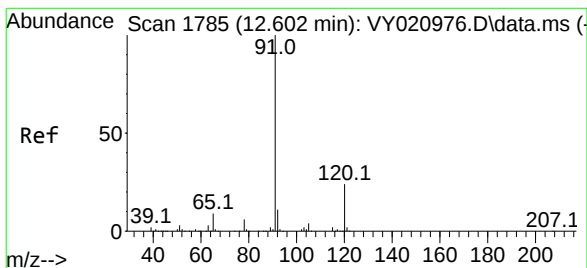
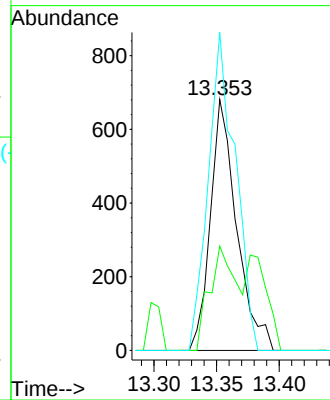
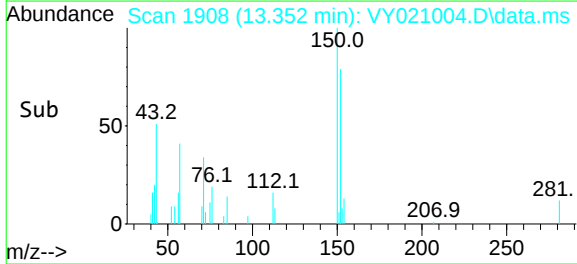
Tgt Ion:	152	Resp:	994
Ion Ratio	Lower	Upper	
152	100		
115	43.1	28.4	85.2
150	130.6	0.0	342.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 02/03/2025



#78

n-propylbenzene

Concen: 12.552 ug/l

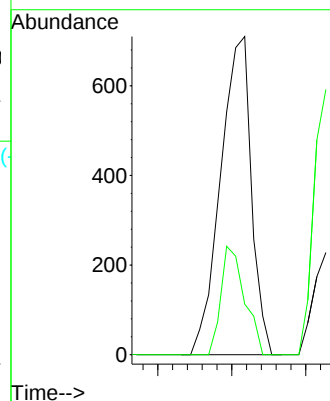
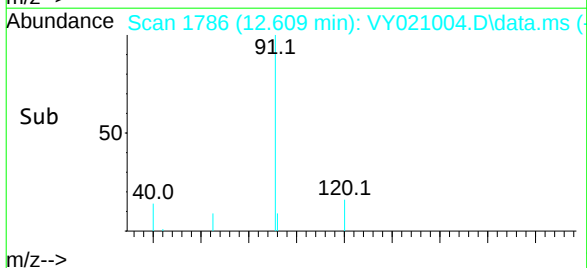
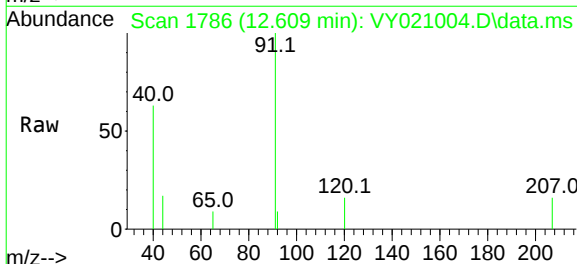
RT: 12.609 min Scan# 1786

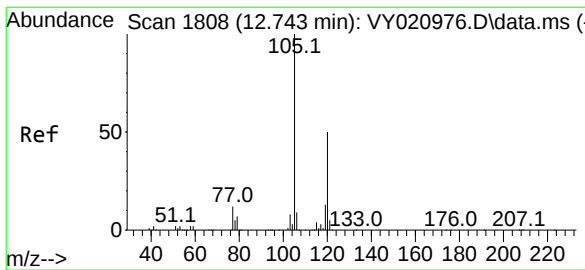
Delta R.T. 0.006 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Tgt Ion:	91	Resp:	1027
Ion Ratio	Lower	Upper	
91	100		
120	26.1	11.8	35.4





#80

1,3,5-Trimethylbenzene

Concen: 51.824 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VY021004.D

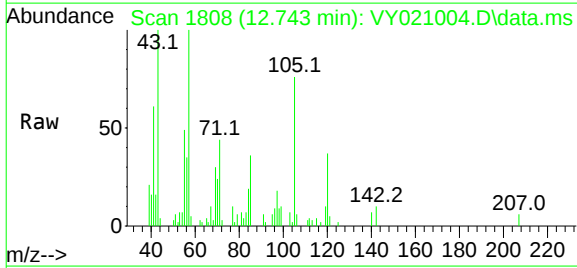
Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion:105 Resp: 2964

Ion Ratio Lower Upper

105 100

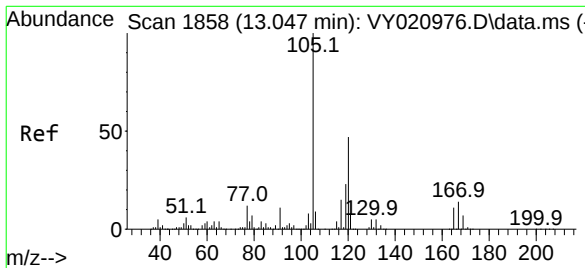
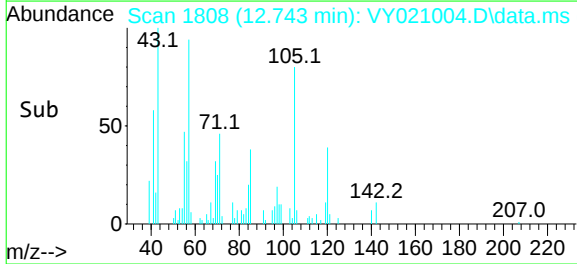
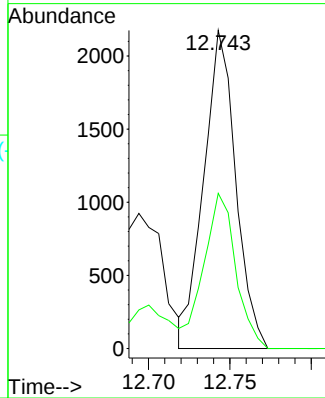
120 49.1 24.3 72.9

Manual Integrations

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Supervised By :Semsettin Yesilyurt 02/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 167.338 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VY021004.D

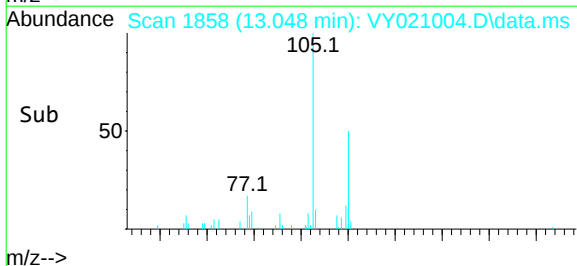
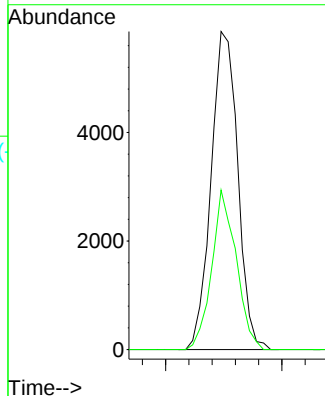
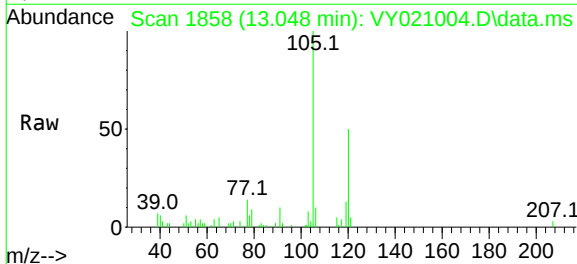
Acq: 31 Jan 2025 12:54

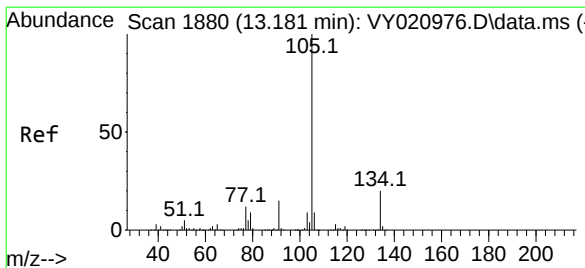
Tgt Ion:105 Resp: 9349

Ion Ratio Lower Upper

105 100

120 45.9 22.7 68.0





#85

sec-Butylbenzene

Concen: 18.882 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

Instrument :

MSVOA_Y

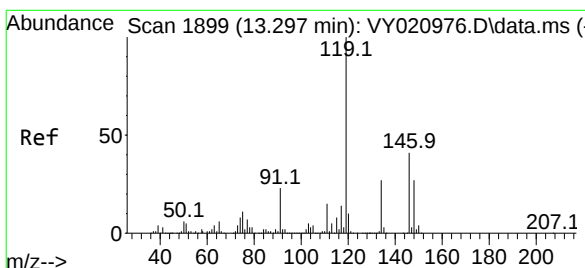
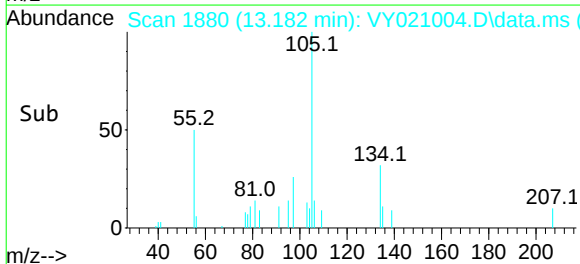
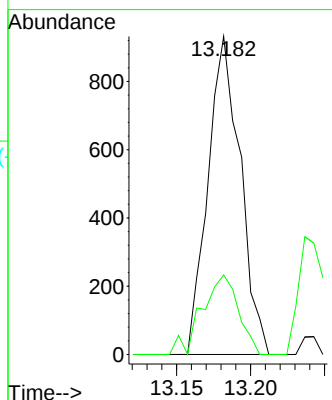
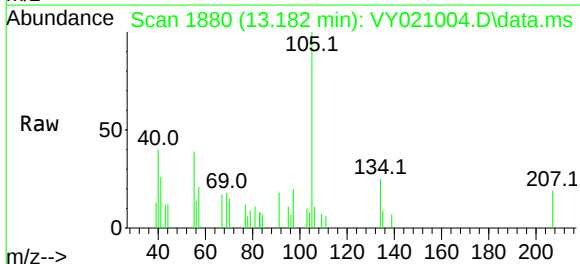
ClientSampleId :

EO-02-01302025

Tgt Ion:105 Resp: 1418
 Ion Ratio Lower Upper
 105 100
 134 28.2 10.3 30.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
 Supervised By :Semsettin Yesilyurt 02/03/2025



#86

p-Isopropyltoluene

Concen: 15.259 ug/l m

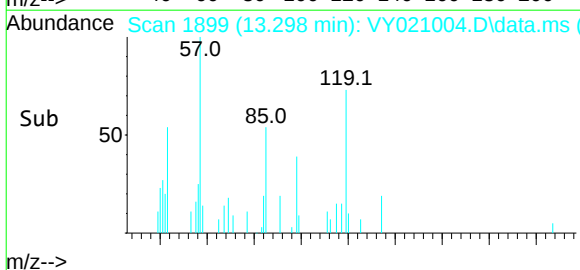
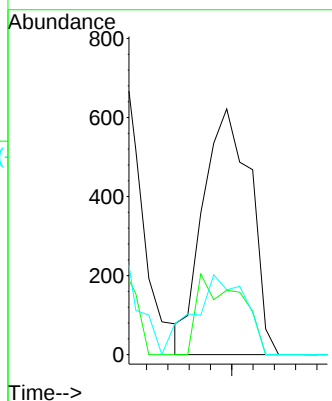
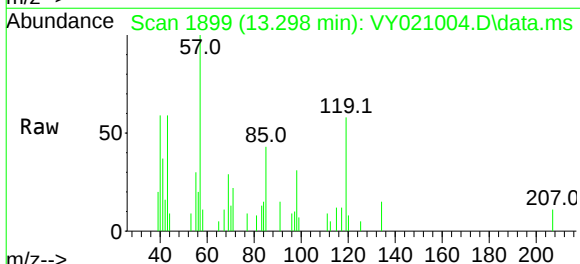
RT: 13.298 min Scan# 1899

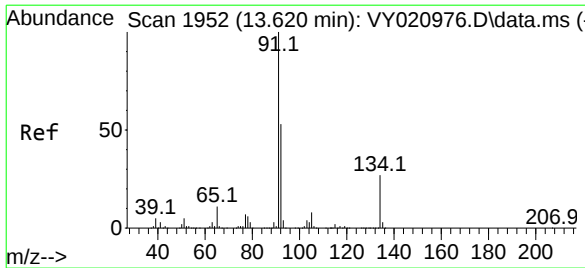
Delta R.T. 0.000 min

Lab File: VY021004.D

Acq: 31 Jan 2025 12:54

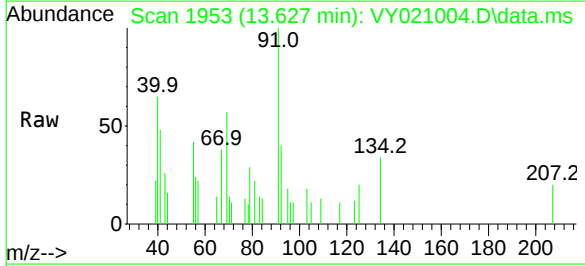
Tgt Ion:119 Resp: 963
 Ion Ratio Lower Upper
 119 100
 134 45.3 13.1 39.3#
 91 56.8 11.5 34.5#





#89
 n-Butylbenzene
 Concen: 10.243 ug/l
 RT: 13.627 min Scan# 1953
 Delta R.T. 0.006 min
 Lab File: VY021004.D
 Acq: 31 Jan 2025 12:54

Instrument : MSVOA_Y
 ClientSampleId : EO-02-01302025



Tgt	Ion: 91	Resp: 579
Ion	Ratio	Lower Upper
91	100	
92	74.3	26.7 80.1
134	0.0	13.7 41.1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
 Supervised By :Semsettin Yesilyurt 02/03/2025

