

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022772.D
 Acq On : 20 Jun 2025 18:39
 Operator : SY/MD
 Sample : Q2383-01
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-5376

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

Quant Time: Jun 21 02:43:47 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	95503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	173915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	119756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	21610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53723	50.295	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.640	113	53266	51.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.109	98	200912	47.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.800%			
62) 4-Bromofluorobenzene	12.402	95	34362	27.496	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 55.000%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	123243	1615.439	ug/l	97
16) Acetone	3.873	43	59896	276.113	ug/l	92
25) 2-Butanone	6.896	43	24491	78.270	ug/l	91
29) Tetrahydrofuran	7.262	42	20525	101.703	ug/l	96
48) Methyl methacrylate	9.219	41	28398m	37.289	ug/l	
51) 4-Methyl-2-Pentanone	9.999	43	28861	35.675	ug/l	96
52) Toluene	10.176	92	5394	1.725	ug/l	99
59) 2-Hexanone	10.762	43	9642	17.821	ug/l	100
67) Ethyl Benzene	11.511	91	5542	1.128	ug/l	100
68) m/p-Xylenes	11.621	106	5634	3.024	ug/l	87
70) Styrene	11.969	104	8120	2.812	ug/l	93
73) Isopropylbenzene	12.255	105	4380	2.469	ug/l	95
78) n-propylbenzene	12.597	91	3245m	1.497	ug/l	
84) 1,2,4-Trimethylbenzene	13.042	105	11683	8.386	ug/l	96
86) p-Isopropyltoluene	13.285	119	6896	4.370	ug/l	92

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

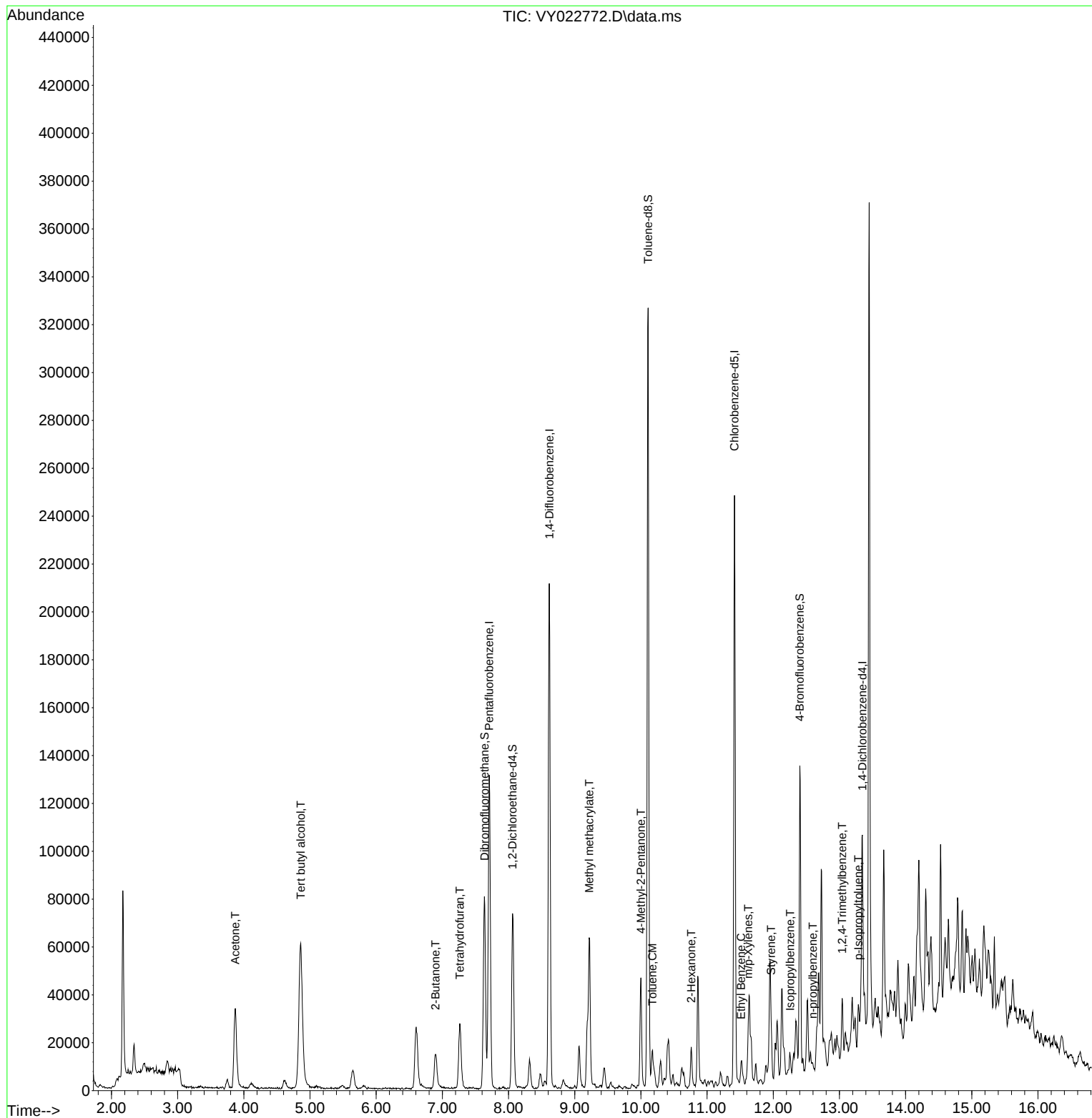
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
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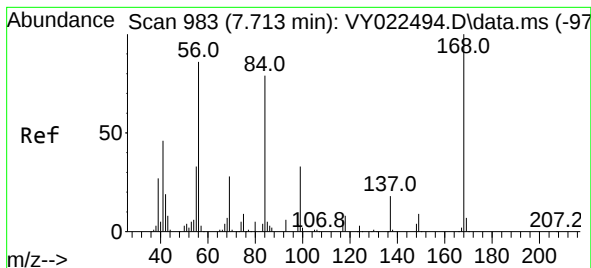
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376

Quant Time: Jun 21 02:43:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY022772.D

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Instrument :

MSVOA_Y

ClientSampleId :

RT-5376

Tgt Ion:168 Resp: 9550

Ion Ratio Lower Upper

168 100

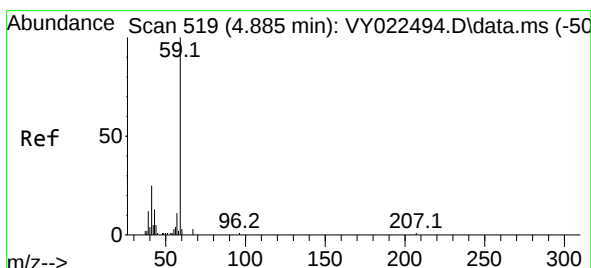
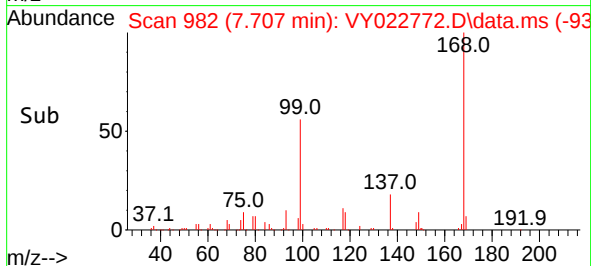
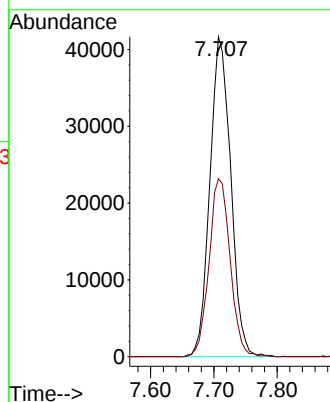
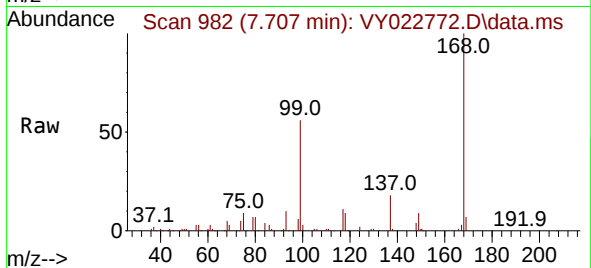
99 55.6 44.3 66.5

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#11

Tert butyl alcohol

Concen: 1615.439 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.025 min

Lab File: VY022772.D

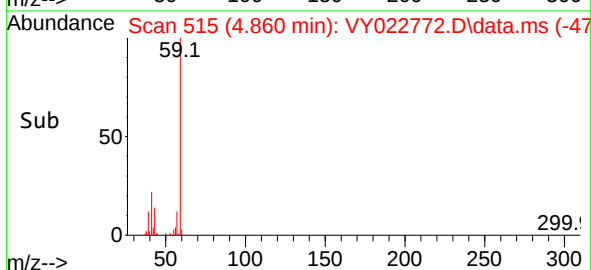
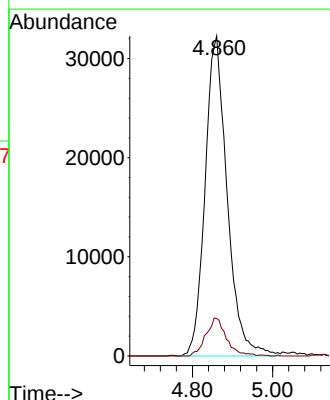
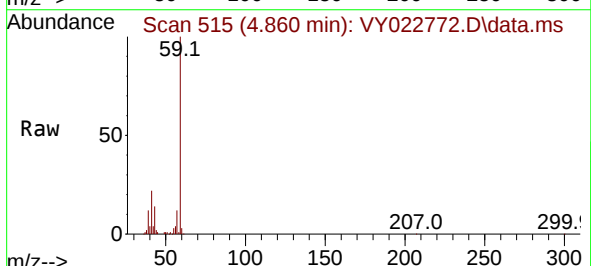
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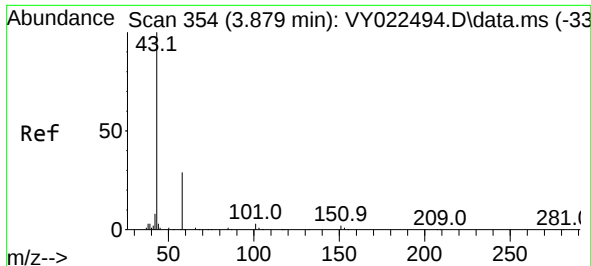
Tgt Ion: 59 Resp: 123243

Ion Ratio Lower Upper

59 100

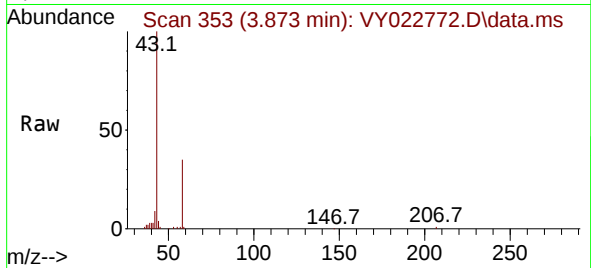
57 11.0 8.0 12.0





#16
Acetone
Concen: 276.113 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

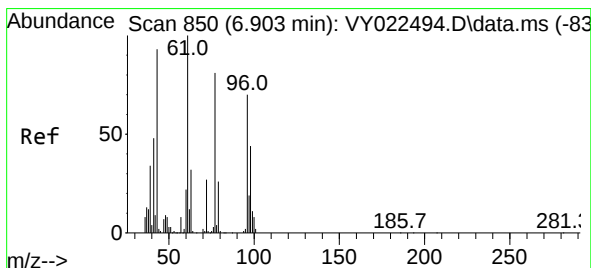
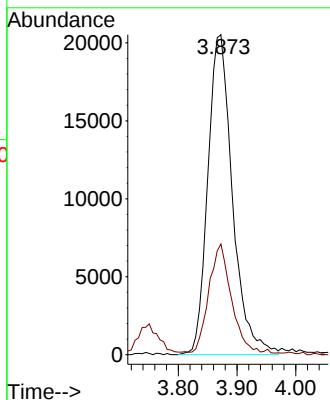
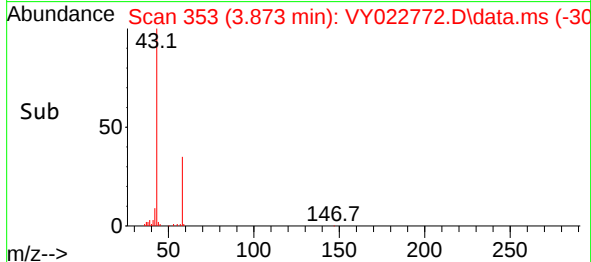
Instrument :
MSVOA_Y
ClientSampleId :
RT-5376



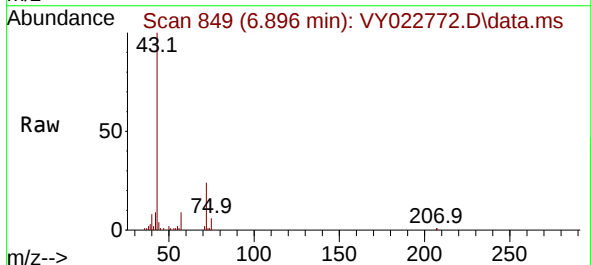
Tgt Ion: 43 Resp: 59890
Ion Ratio Lower Upper
43 100
58 34.1 24.0 36.0

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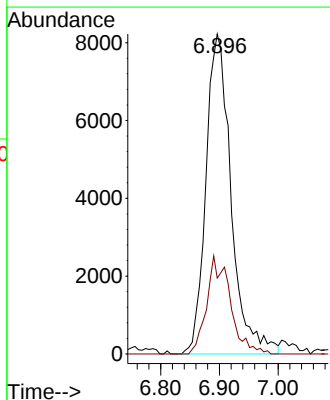
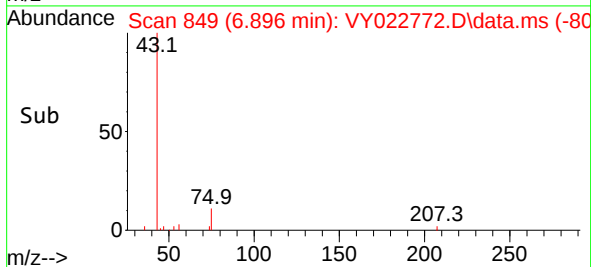
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025

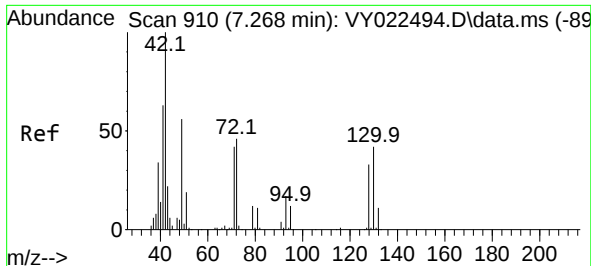


#25
2-Butanone
Concen: 78.270 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39



Tgt Ion: 43 Resp: 24491
Ion Ratio Lower Upper
43 100
72 23.7 22.9 34.3





#29

Tetrahydrofuran

Concen: 101.703 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022772.D

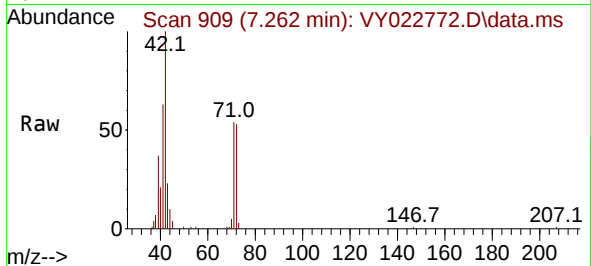
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Instrument :

MSVOA_Y

ClientSampleId :

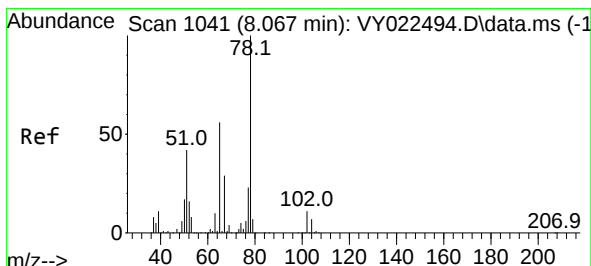
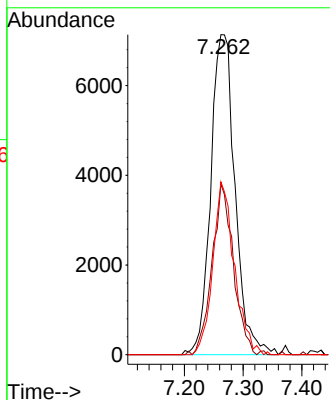
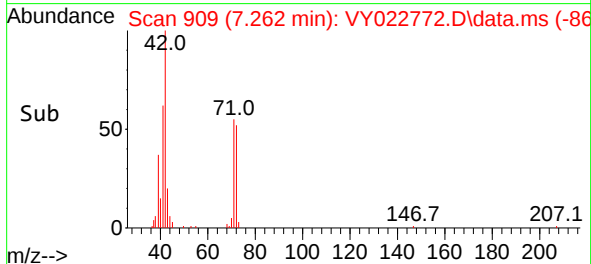
RT-5376



Tgt Ion:	42	Resp:	2052
Ion Ratio	Lower	Upper	
42	100		
72	46.7	37.4	56.2
71	48.0	34.2	51.2

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#33

1,2-Dichloroethane-d4

Concen: 50.295 ug/l

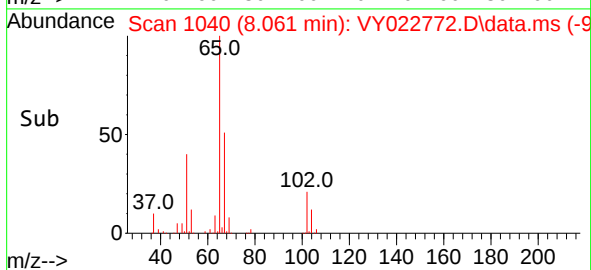
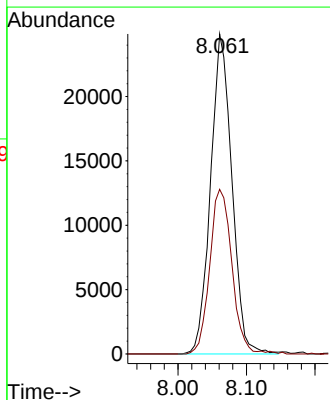
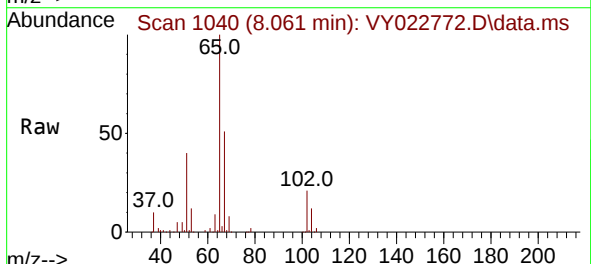
RT: 8.061 min Scan# 1040

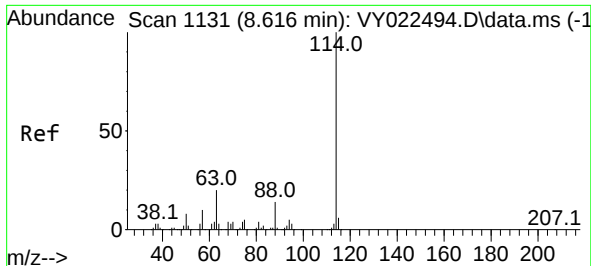
Delta R.T. -0.006 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Tgt Ion:	65	Resp:	53723
Ion Ratio	Lower	Upper	
65	100		
67	53.6	0.0	103.4





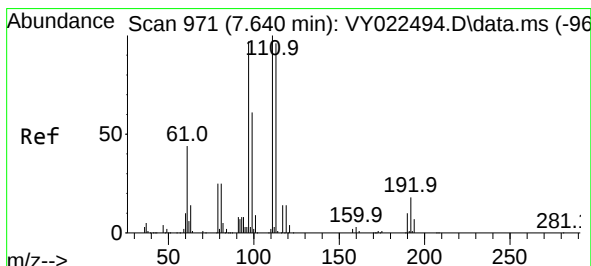
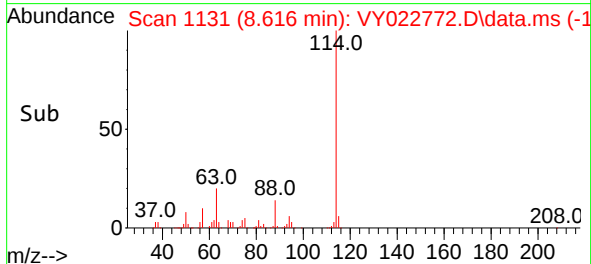
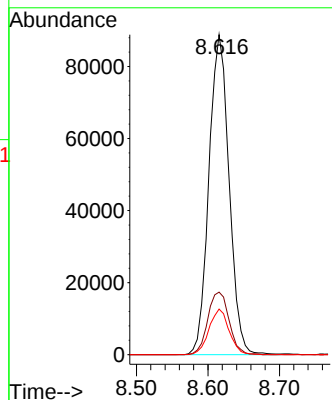
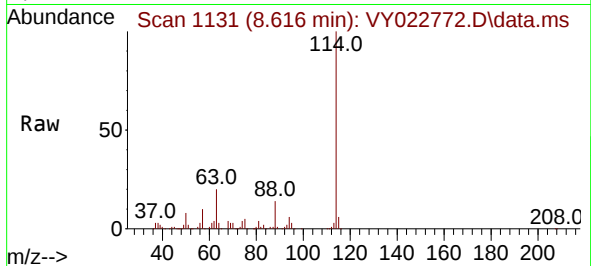
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

Instrument :
MSVOA_Y
ClientSampleId :
RT-5376

Tgt Ion:114 Resp: 173915
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.8
88 14.2 0.0 27.8

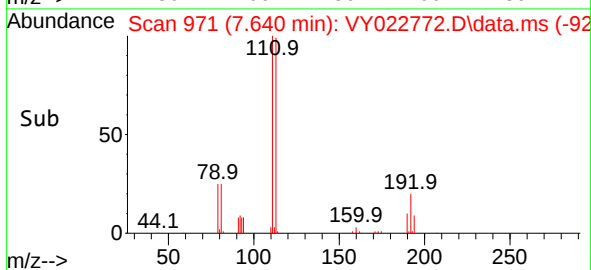
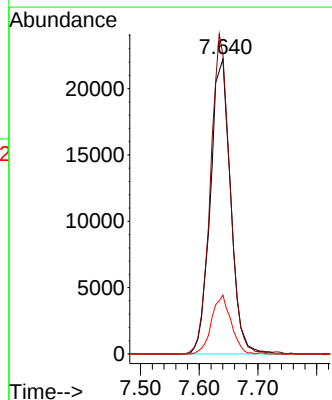
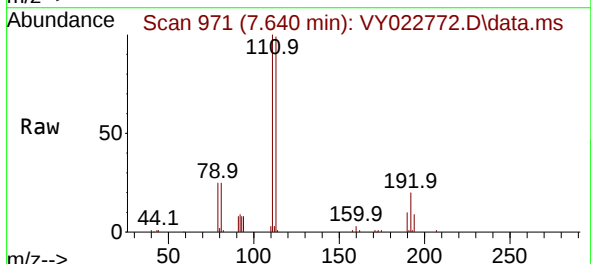
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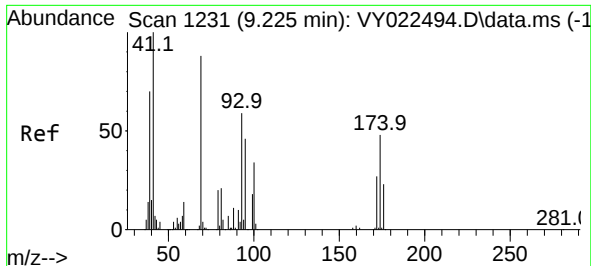
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#35
Dibromofluoromethane
Concen: 51.313 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

Tgt Ion:113 Resp: 53266
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 19.1 14.2 21.2





#48

Methyl methacrylate

Concen: 37.289 ug/l m

RT: 9.219 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

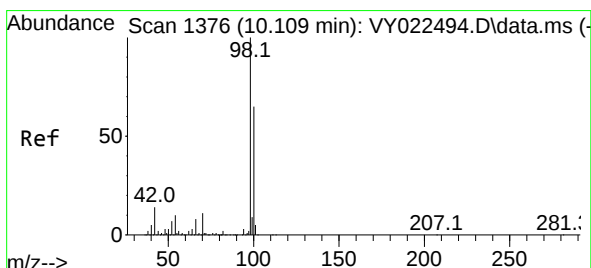
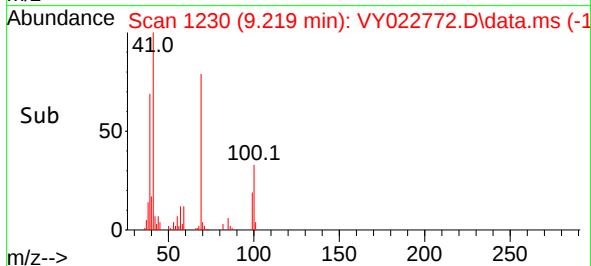
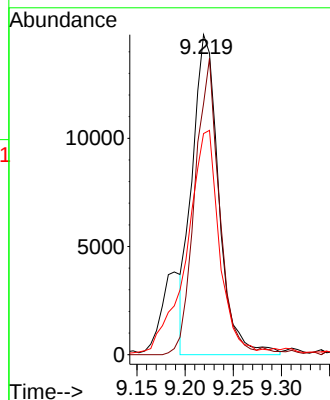
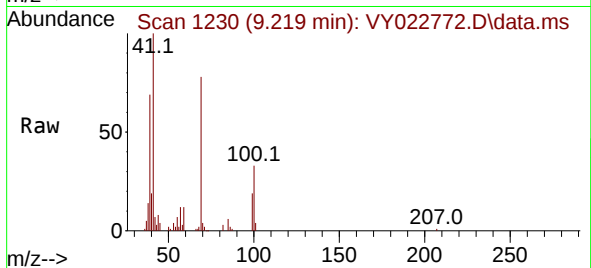
RT-5376

Tgt Ion:	41	Resp:	28398
Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	84.2	55.0	82.4

Manual Integrations

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#50

Toluene-d8

Concen: 47.900 ug/l

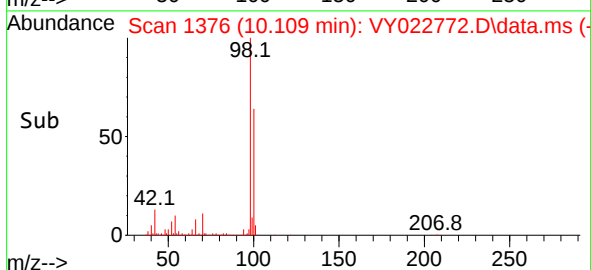
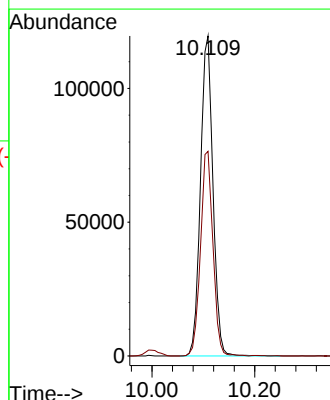
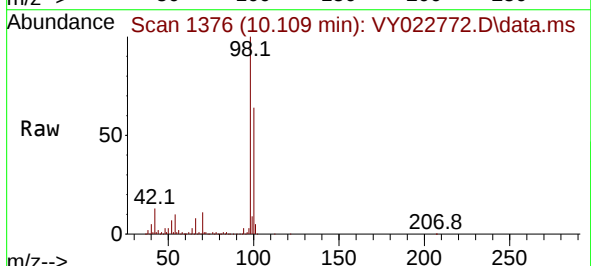
RT: 10.109 min Scan# 1376

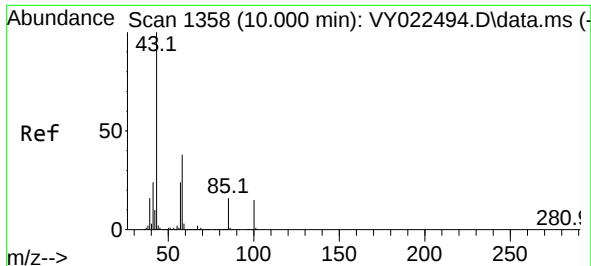
Delta R.T. -0.000 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Tgt Ion:	98	Resp:	200912
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





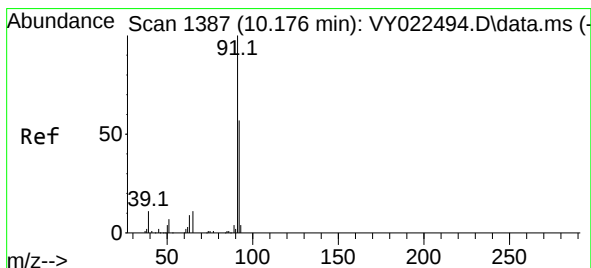
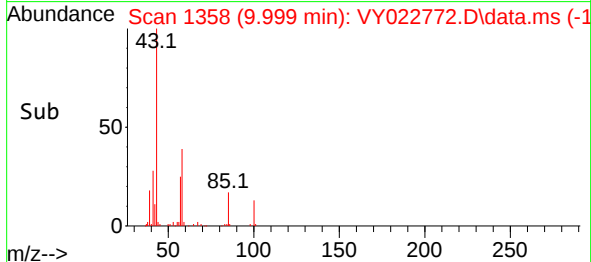
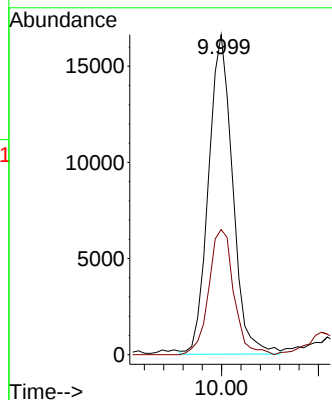
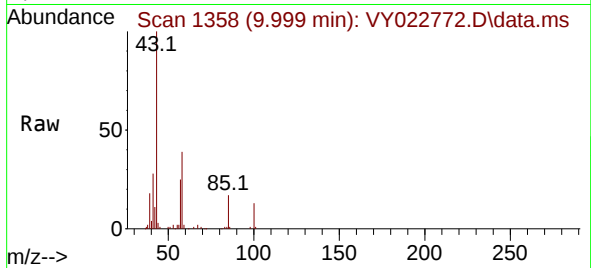
#51
4-Methyl-2-Pentanone
Concen: 35.675 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

Instrument :
MSVOA_Y
ClientSampleId :
RT-5376

Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6

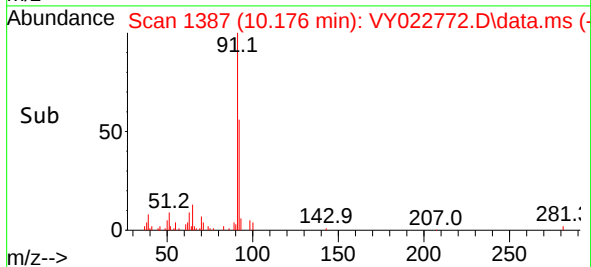
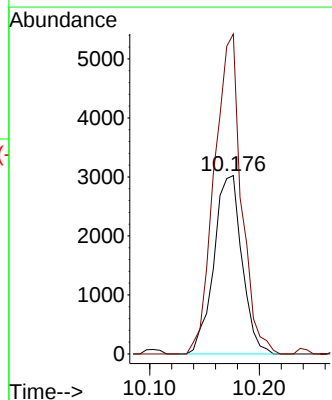
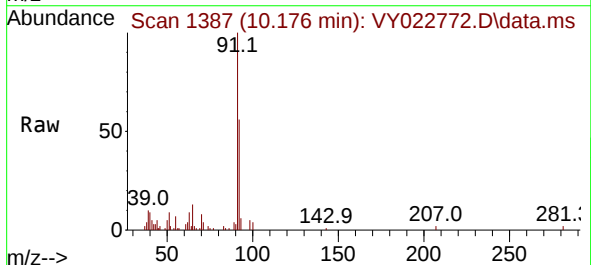
Manual Integrations
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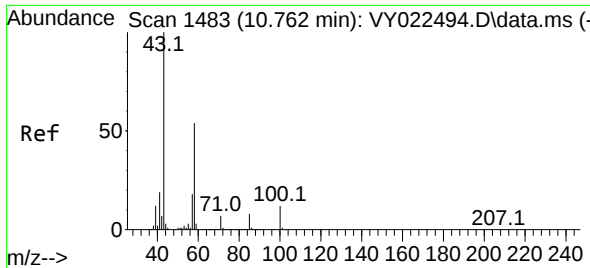
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#52
Toluene
Concen: 1.725 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

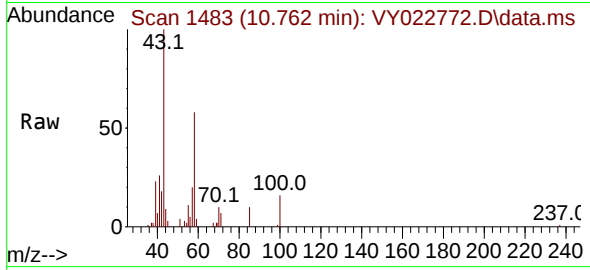
Tgt Ion: 92 Resp: 5394
Ion Ratio Lower Upper
92 100
91 172.9 139.0 208.4





#59
2-Hexanone
Concen: 17.821 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

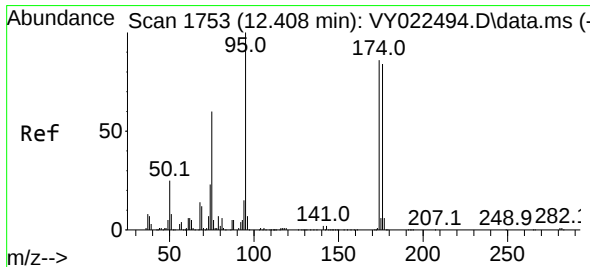
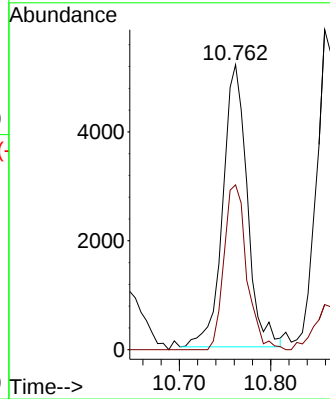
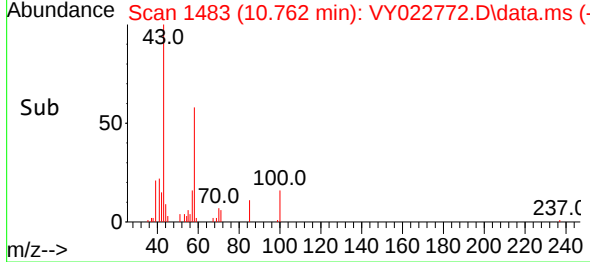
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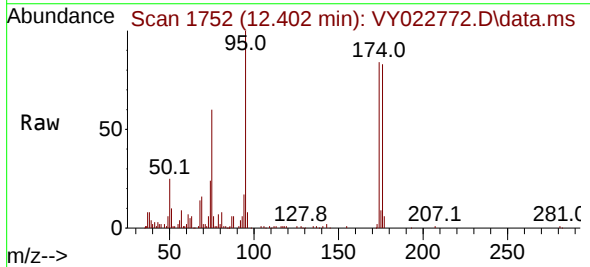
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

Manual Integrations
APPROVED

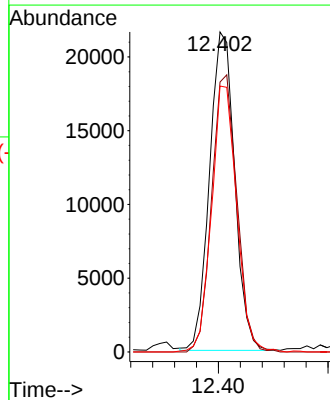
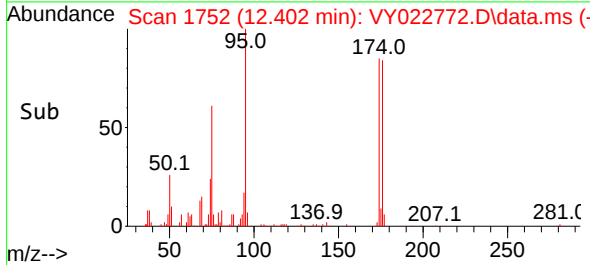
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025

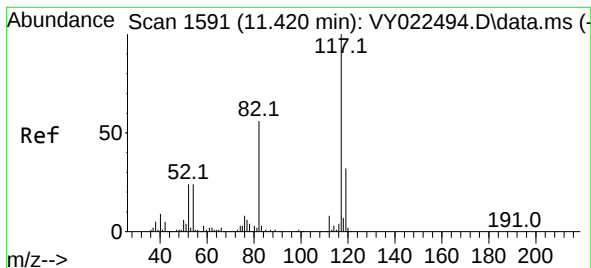


#62
4-Bromofluorobenzene
Concen: 27.496 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39



Tgt Ion: 95 Resp: 34362
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 83.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11975

Delta R.T. -0.006 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

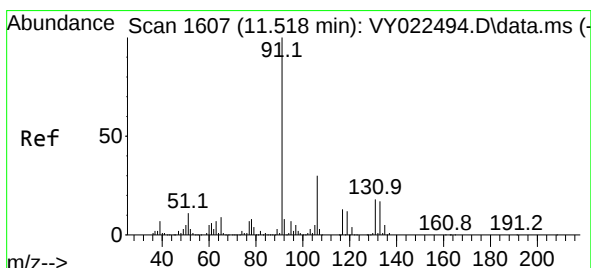
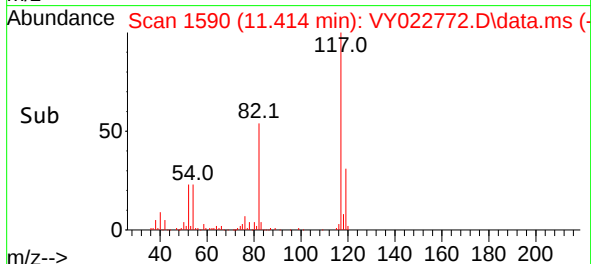
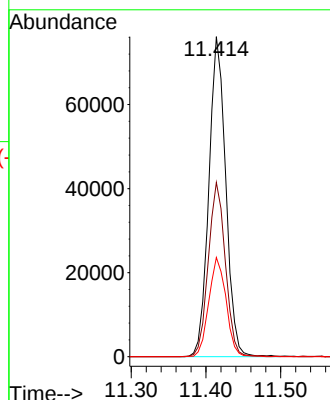
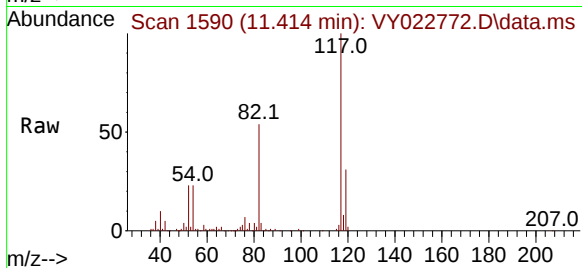
RT-5376

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.6	66.8
119	31.0	25.4	38.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#67

Ethyl Benzene

Concen: 1.128 ug/l

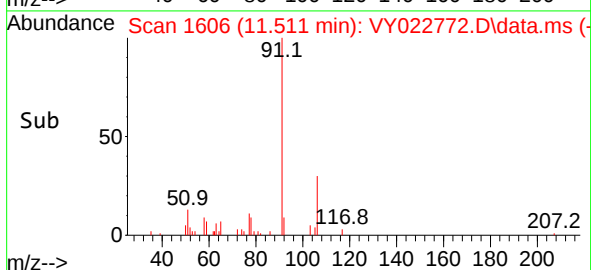
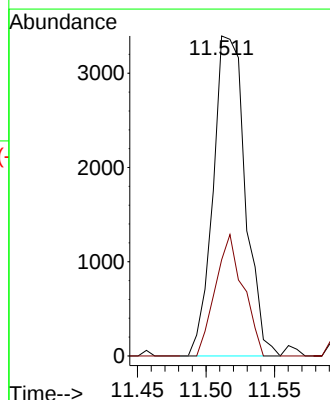
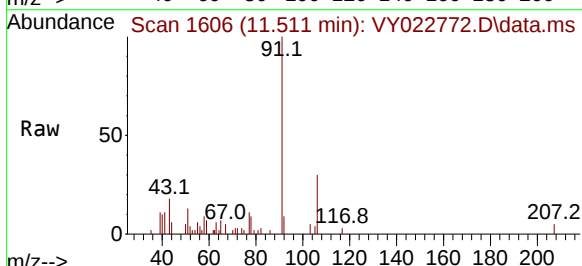
RT: 11.511 min Scan# 1606

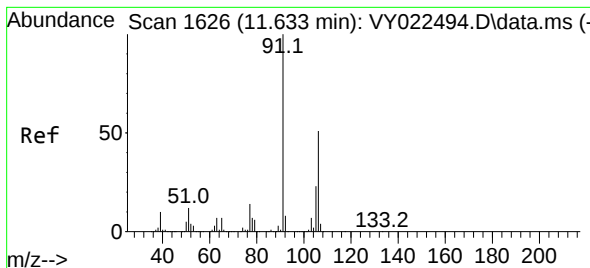
Delta R.T. -0.006 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4





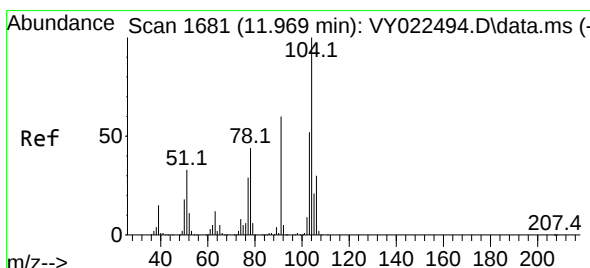
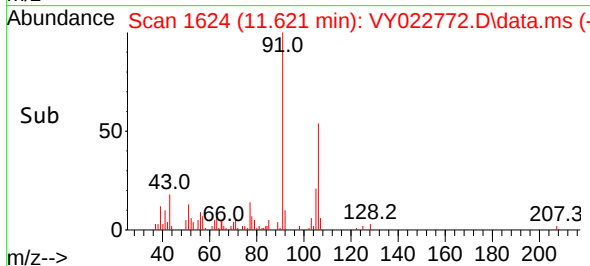
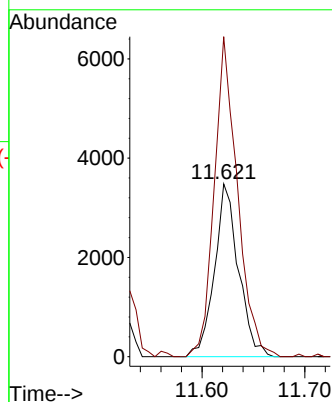
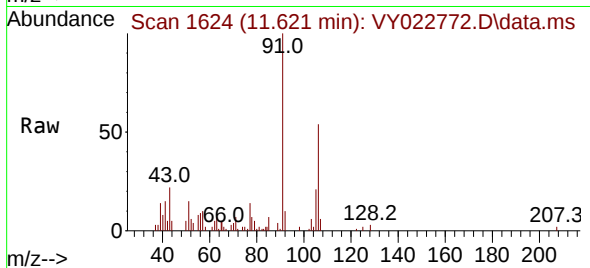
#68
m/p-Xylenes
Concen: 3.024 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

Instrument :
MSVOA_Y
ClientSampleId :
RT-5376

Tgt Ion:106 Resp: 5634
Ion Ratio Lower Upper
106 100
91 179.2 159.4 239.0

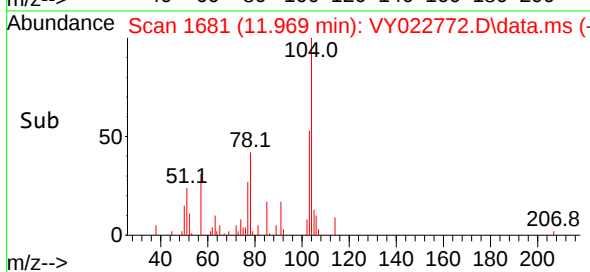
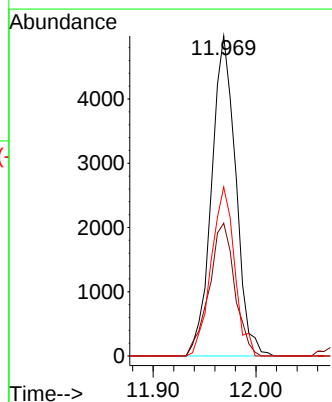
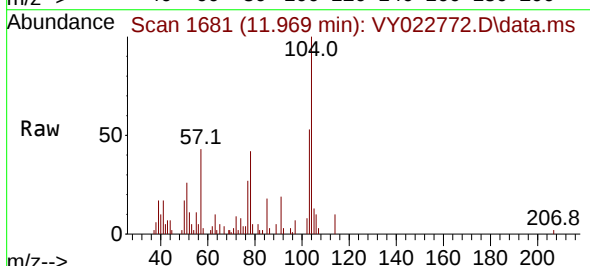
Manual Integrations
APPROVED

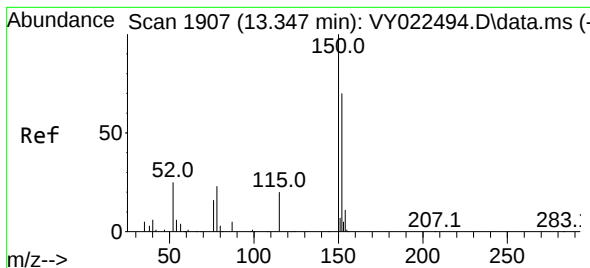
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025



#70
Styrene
Concen: 2.812 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

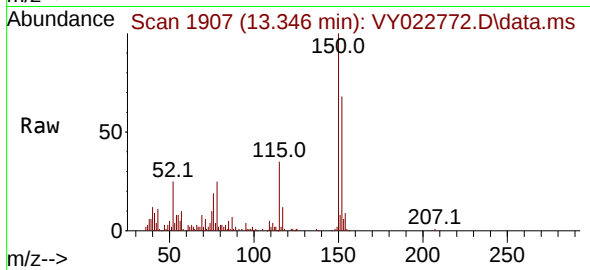
Tgt Ion:104 Resp: 8120
Ion Ratio Lower Upper
104 100
78 44.0 39.5 59.3
103 51.0 44.1 66.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39

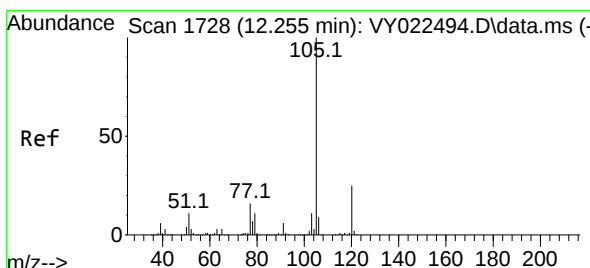
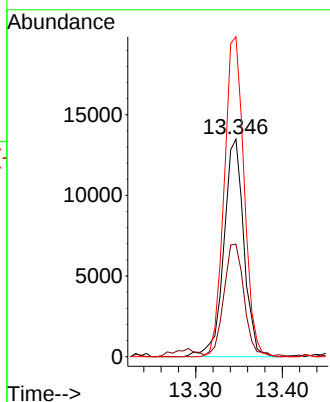
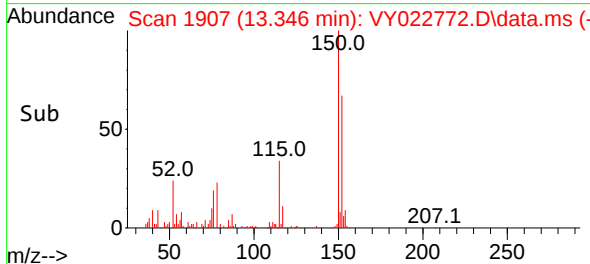
Instrument : MSVOA_Y
ClientSampleId : RT-5376



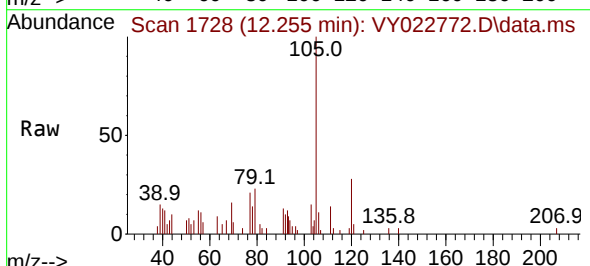
Tgt Ion:152 Resp: 21610
Ion Ratio Lower Upper
152 100
115 52.8 28.9 86.7
150 146.0 0.0 349.6

Manual Integrations
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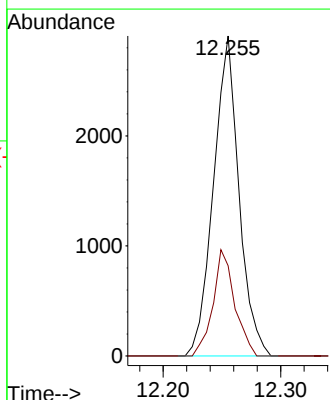
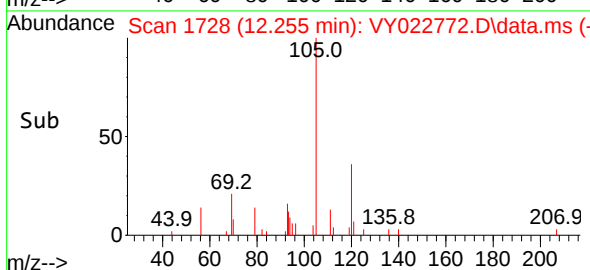
Reviewed By :Mahesh Dadoda 06/23/2025
Supervised By :Semsettin Yesilyurt 06/23/2025

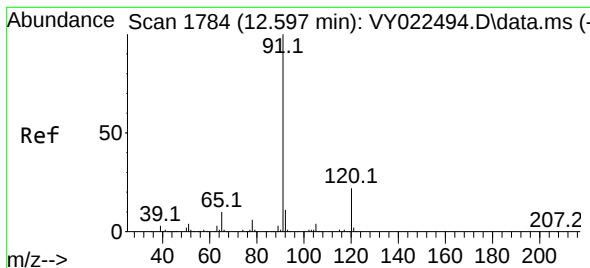


#73
Isopropylbenzene
Concen: 2.469 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022772.D
Acq: 20 Jun 2025 18:39



Tgt Ion:105 Resp: 4380
Ion Ratio Lower Upper
105 100
120 28.3 13.0 38.9





#78

n-propylbenzene

Concen: 1.497 ug/l m

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY022772.D

Acq: 20 Jun 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

RT-5376

Tgt Ion: 91 Resp: 324

Ion Ratio Lower Upper

91 100

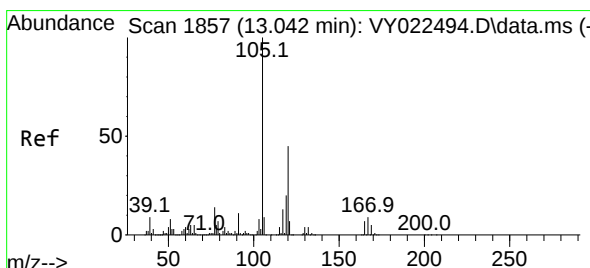
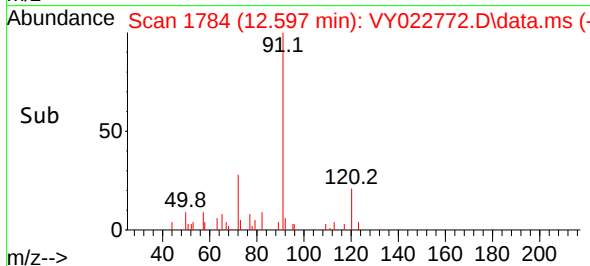
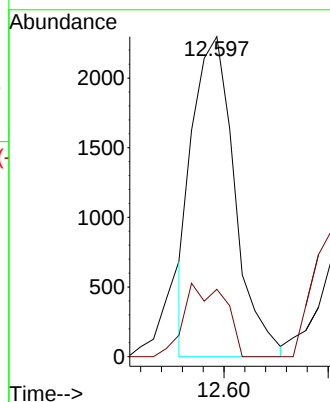
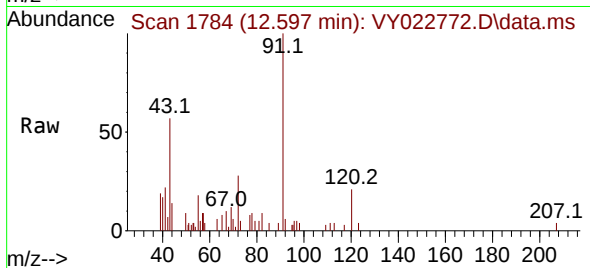
120 22.4 10.8 32.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025

Supervised By :Semsettin Yesilyurt 06/23/2025



#84

1,2,4-Trimethylbenzene

Concen: 8.386 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022772.D

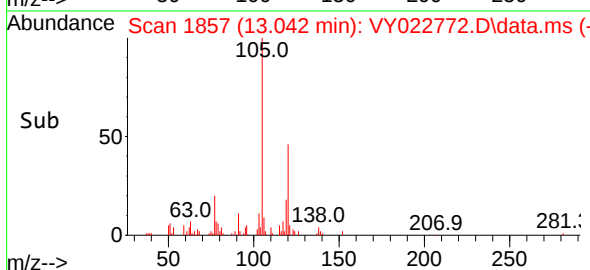
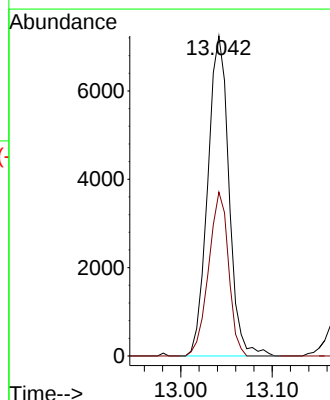
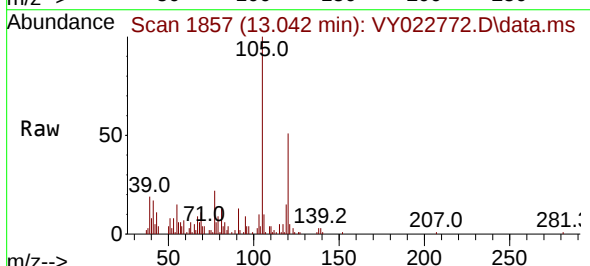
Acq: 20 Jun 2025 18:39

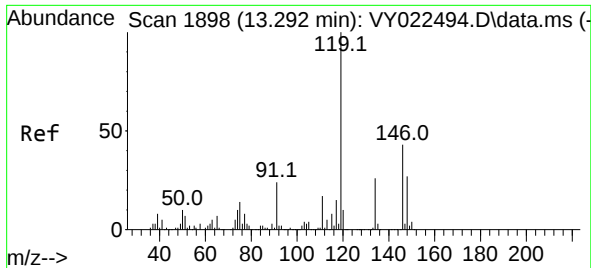
Tgt Ion:105 Resp: 11683

Ion Ratio Lower Upper

105 100

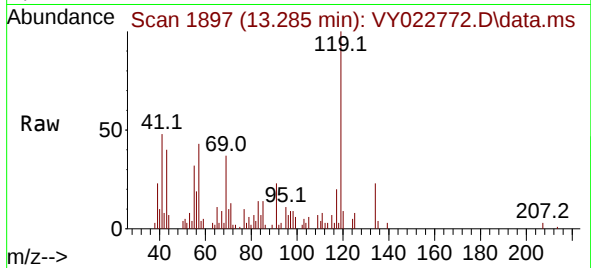
120 47.9 22.7 68.1





#86
 p-Isopropyltoluene
 Concen: 4.370 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.006 min
 Lab File: VY022772.D
 Acq: 20 Jun 2025 18:39

Instrument : MSVOA_Y
 ClientSampleId : RT-5376



Tgt Ion:119 Resp: 6890

Ion	Ratio	Lower	Upper
119	100		
134	28.7	13.1	39.1
91	28.3	11.6	34.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

