

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022847.D
 Acq On : 26 Jun 2025 14:07
 Operator : SY/MD
 Sample : Q2419-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-6-25-2025RE

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 03:24:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

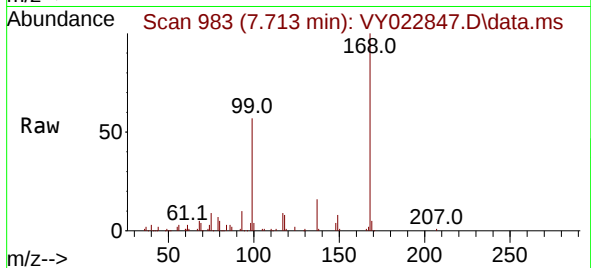
Internal Standards						
1) Pentafluorobenzene	7.713	168	95866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	160927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	148169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	70891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	46672	43.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.240%		
35) Dibromofluoromethane	7.640	113	49095	50.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.320%		
50) Toluene-d8	10.109	98	187656	48.321	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.402	95	69435	55.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	111.240%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	5551	4.346	ug/l #	93
39) Methylcyclohexane	9.109	83	3070	1.599	ug/l	98
69) o-Xylene	11.950	106	31389	15.065	ug/l	95
78) n-propylbenzene	12.597	91	15849m	2.504	ug/l	
80) 1,3,5-Trimethylbenzene	12.737	105	207801	49.098	ug/l	100
85) sec-Butylbenzene	13.170	105	70278	12.514	ug/l	87
86) p-Isopropyltoluene	13.292	119	56765	12.146	ug/l	98
89) n-Butylbenzene	13.615	91	34479	7.843	ug/l #	57

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

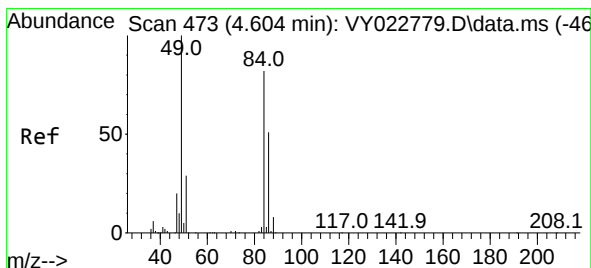
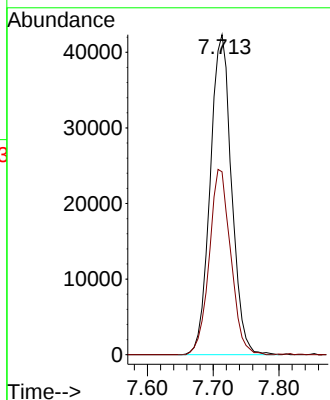
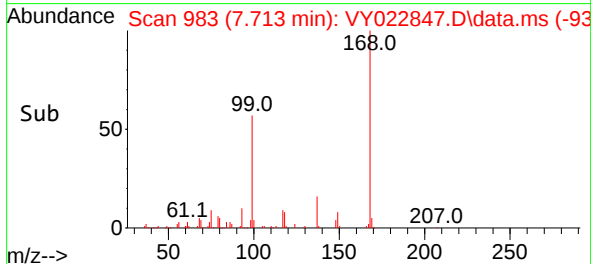
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-6-25-2025RE



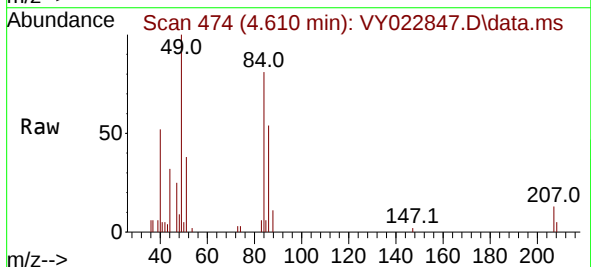
Tgt Ion:168 Resp: 9586
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5

Manual Integrations
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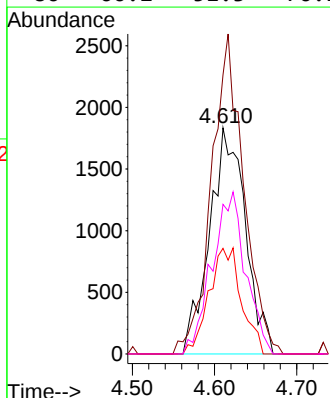
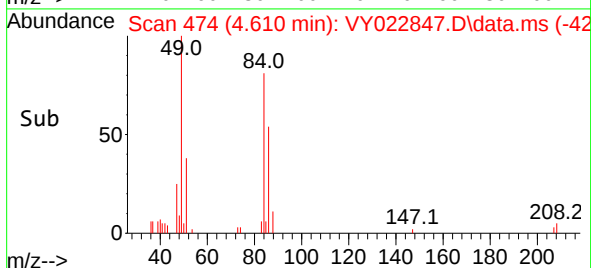
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

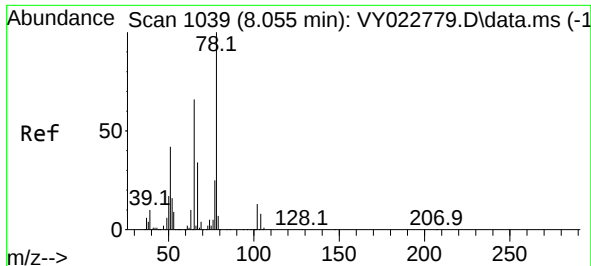


#20
Methylene Chloride
Concen: 4.346 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07



Tgt Ion: 84 Resp: 5551
Ion Ratio Lower Upper
84 100
49 119.9 101.9 152.9
51 46.7 29.8 44.8#
86 66.2 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 43.620 ug/l

RT: 8.061 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY022847.D

Acq: 26 Jun 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-6-25-2025RE

Tgt Ion: 65 Resp: 46672

Ion Ratio Lower Upper

65 100

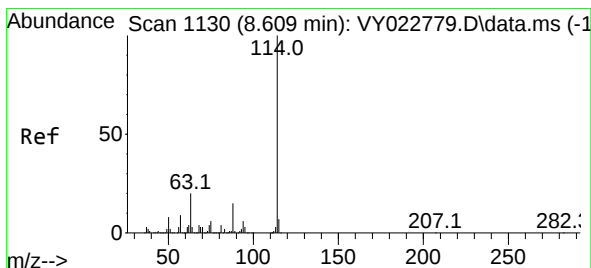
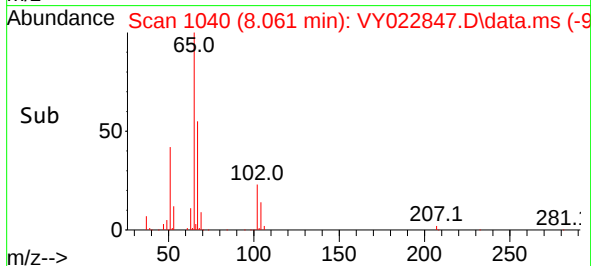
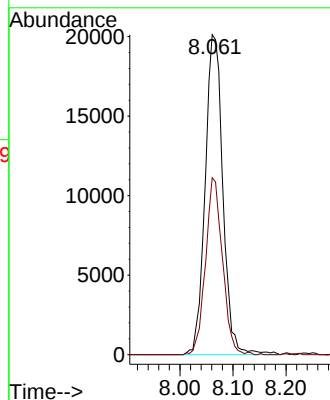
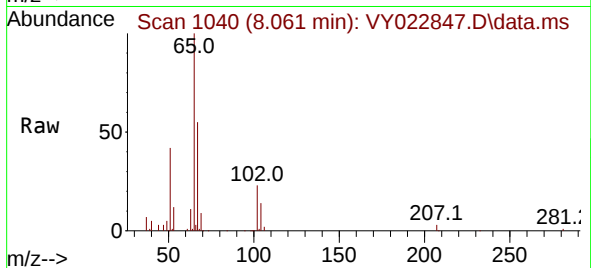
67 52.9 0.0 103.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022847.D

Acq: 26 Jun 2025 14:07

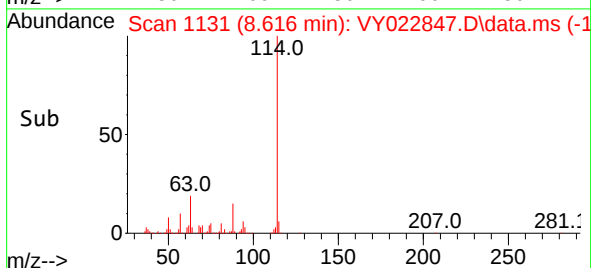
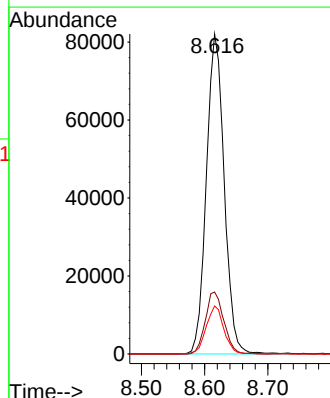
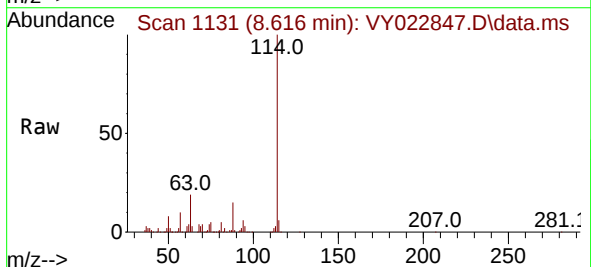
Tgt Ion:114 Resp: 160927

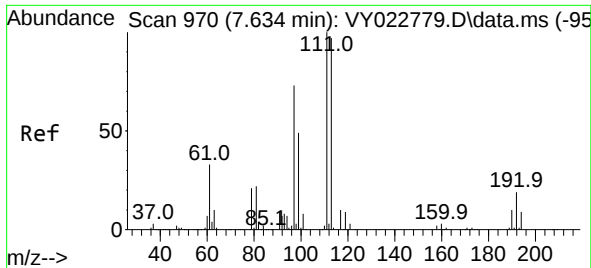
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

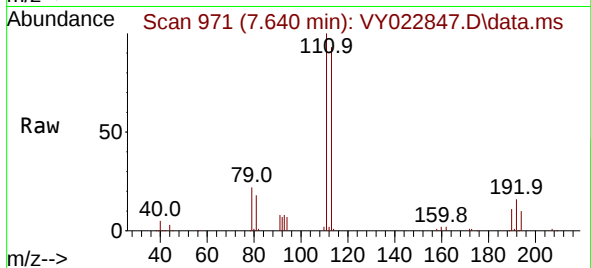
88 15.0 0.0 27.8





#35
Dibromofluoromethane
Concen: 50.164 ug/l
RT: 7.640 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

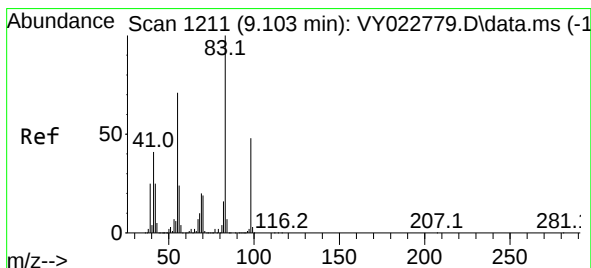
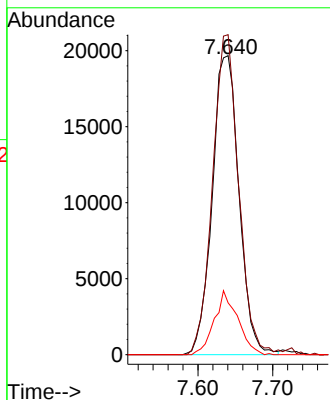
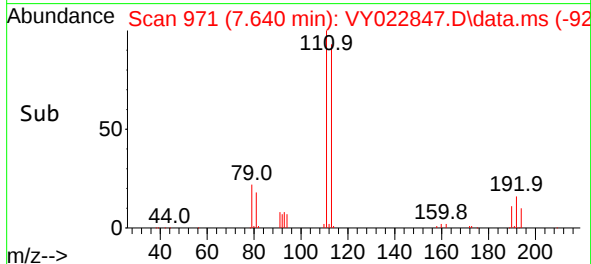
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-6-25-2025RE



Tgt Ion: 113 Resp: 4909
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.8 14.2 21.2

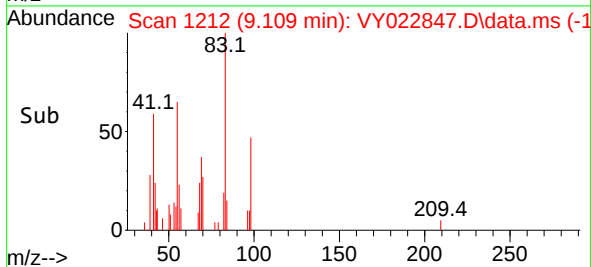
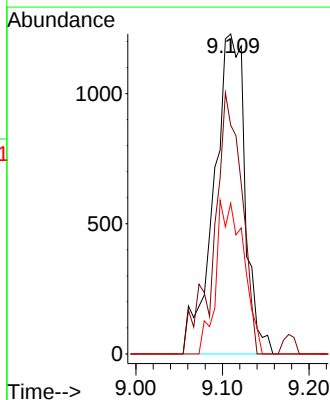
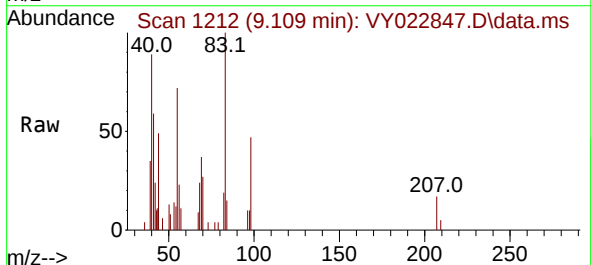
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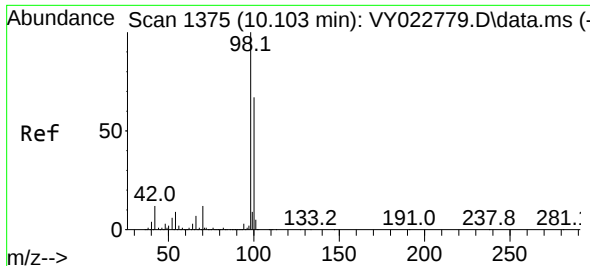
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#39
Methylcyclohexane
Concen: 1.599 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

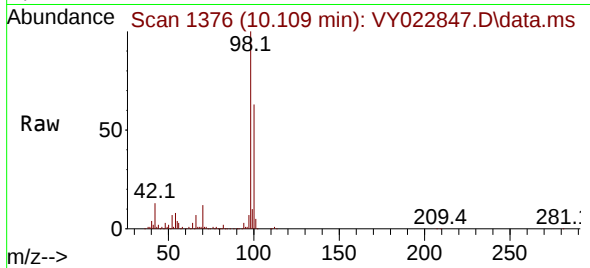
Tgt Ion: 83 Resp: 3070
Ion Ratio Lower Upper
83 100
55 71.5 58.1 87.1
98 47.1 39.0 58.6





#50
Toluene-d8
Concen: 48.321 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

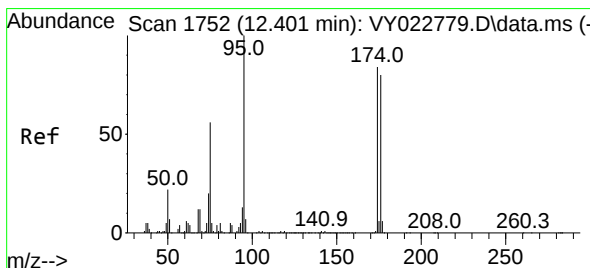
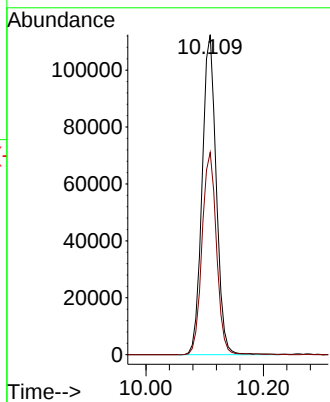
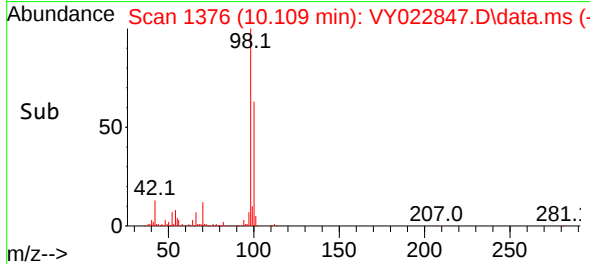
Instrument :
MSVOA_Y
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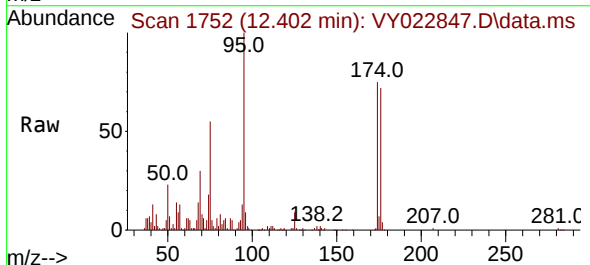
Tgt Ion: 98 Resp: 187650
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

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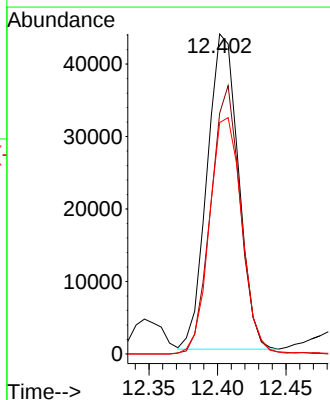
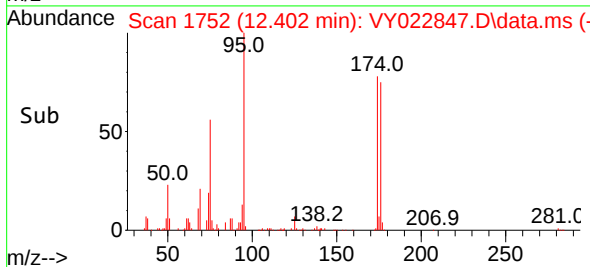
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

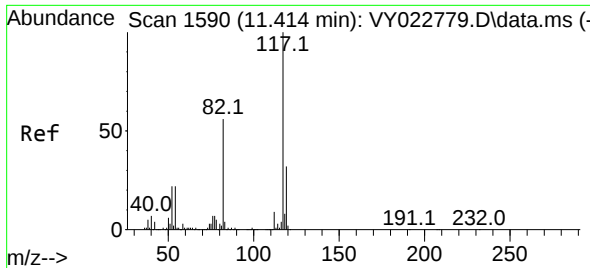


#62
4-Bromofluorobenzene
Concen: 55.618 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07



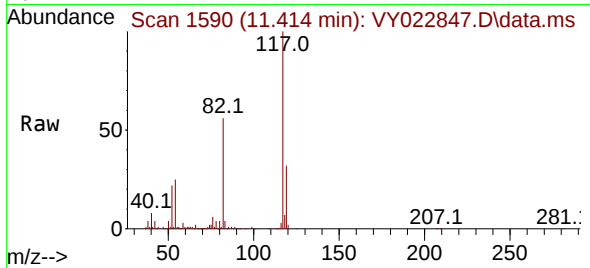
Tgt Ion: 95 Resp: 69435
Ion Ratio Lower Upper
95 100
174 80.8 0.0 170.0
176 77.6 0.0 166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

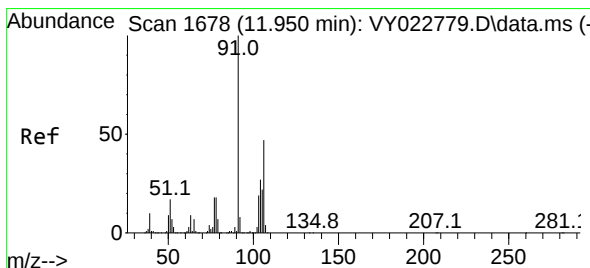
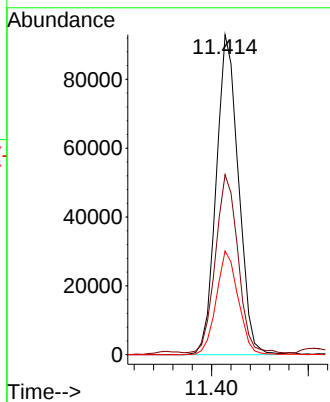
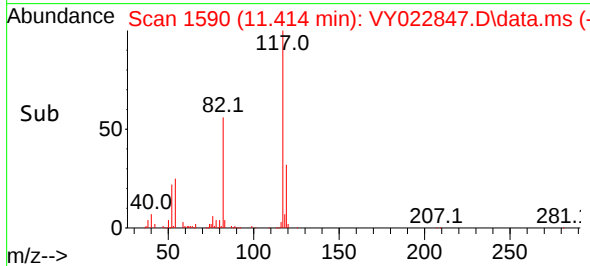
Instrument :
MSVOA_Y
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EO-3-6-25-2025RE



Tgt Ion:117 Resp: 148169
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 32.4 25.4 38.0

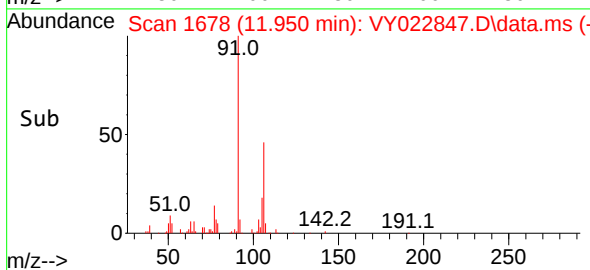
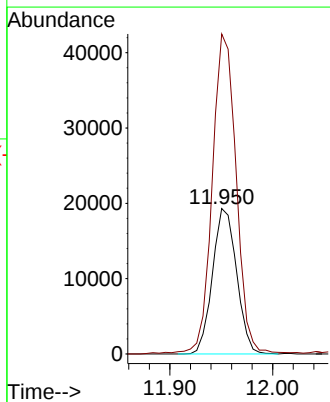
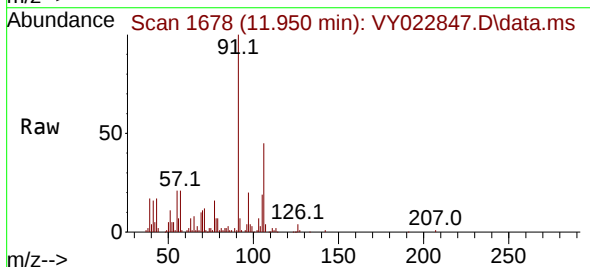
Manual Integrations
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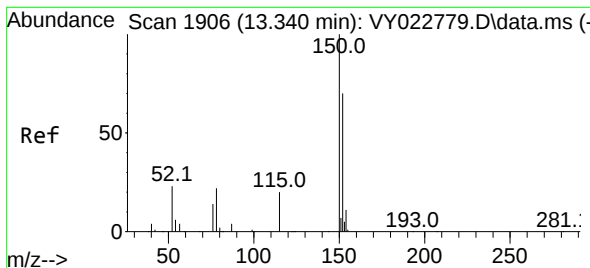
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#69
o-Xylene
Concen: 15.065 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

Tgt Ion:106 Resp: 31389
Ion Ratio Lower Upper
106 100
91 219.6 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022847.D

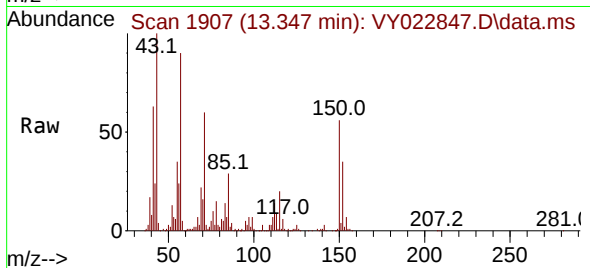
Acq: 26 Jun 2025 14:07

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-6-25-2025RE



Tgt Ion:152 Resp: 7089

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

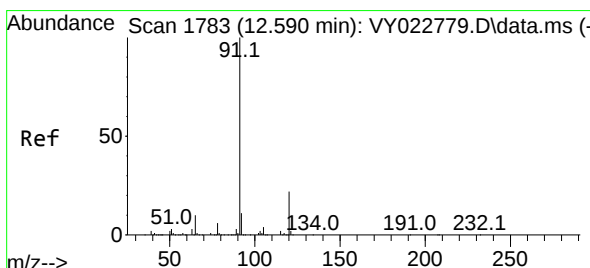
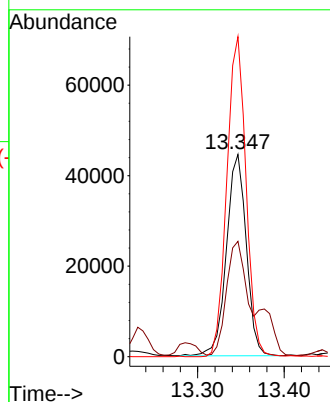
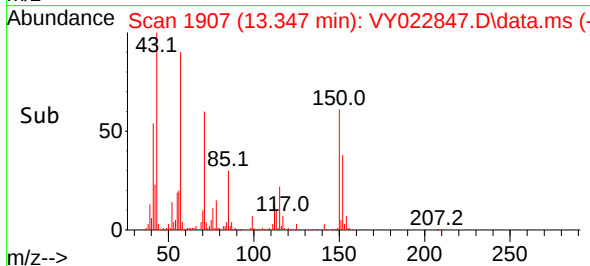
150 154.0 0.0 349.6

Manual Integrations

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#78

n-propylbenzene

Concen: 2.504 ug/l m

RT: 12.597 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VY022847.D

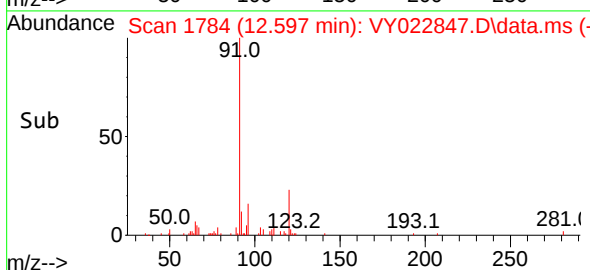
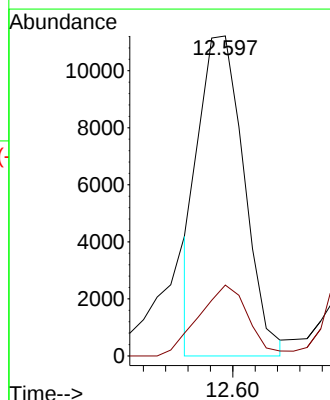
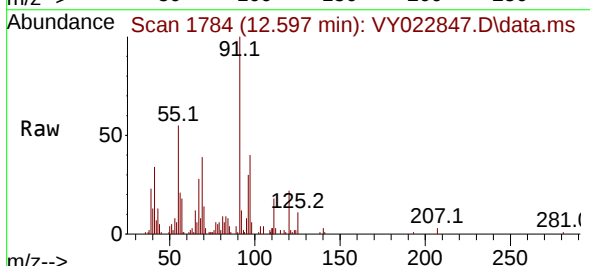
Acq: 26 Jun 2025 14:07

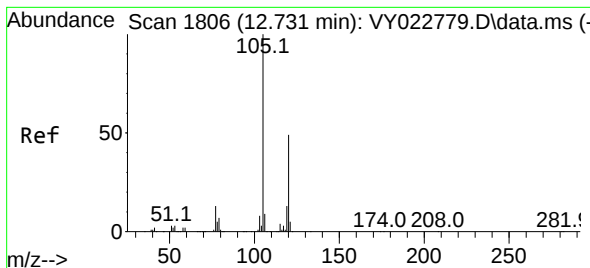
Tgt Ion: 91 Resp: 15849

Ion Ratio Lower Upper

91 100

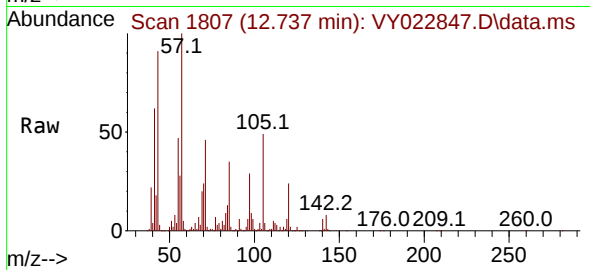
120 24.5 10.8 32.4





#80
1,3,5-Trimethylbenzene
Concen: 49.098 ug/l
RT: 12.737 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

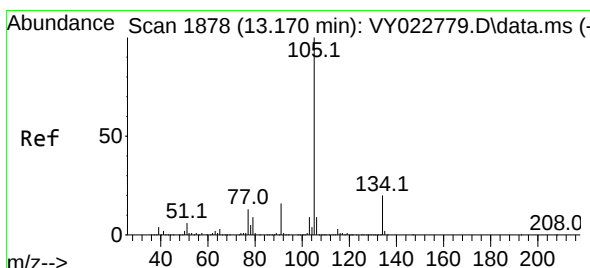
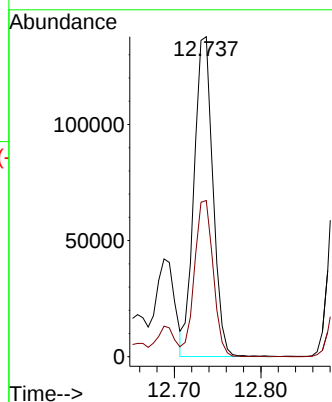
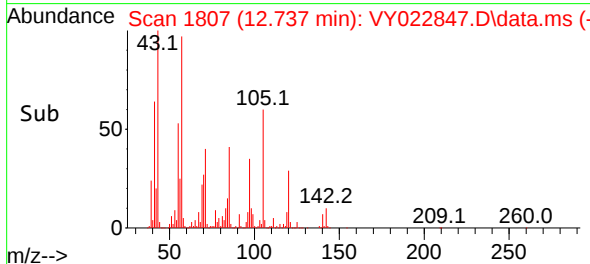
Instrument :
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EO-3-6-25-2025RE



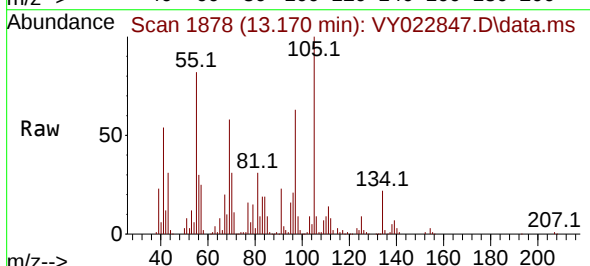
Tgt Ion:105 Resp: 20780
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.4

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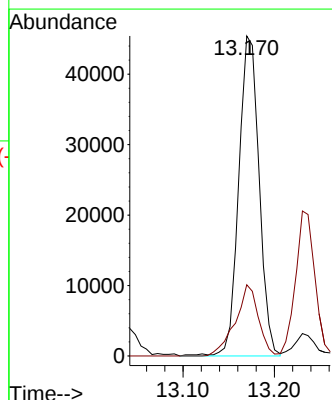
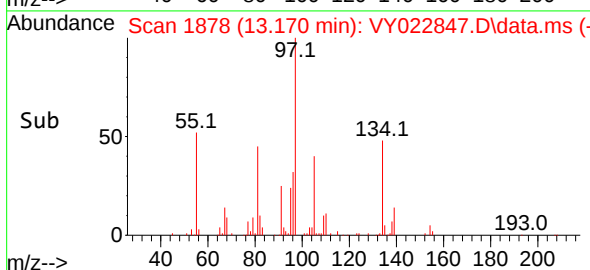
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

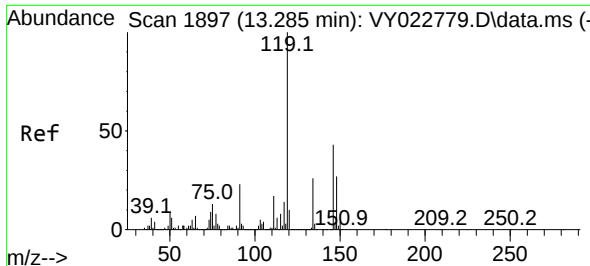


#85
sec-Butylbenzene
Concen: 12.514 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07



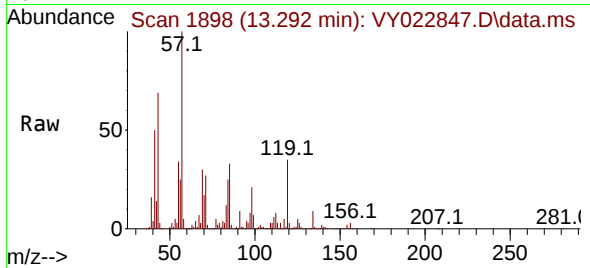
Tgt Ion:105 Resp: 70278
Ion Ratio Lower Upper
105 100
134 25.2 9.7 28.9





#86
p-Isopropyltoluene
Concen: 12.146 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

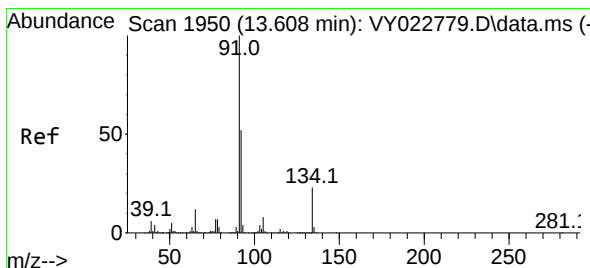
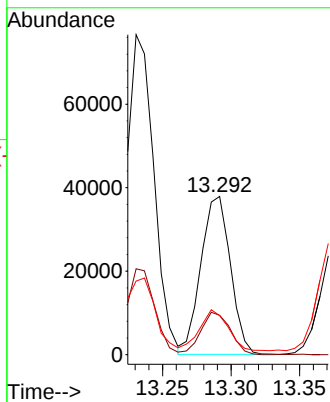
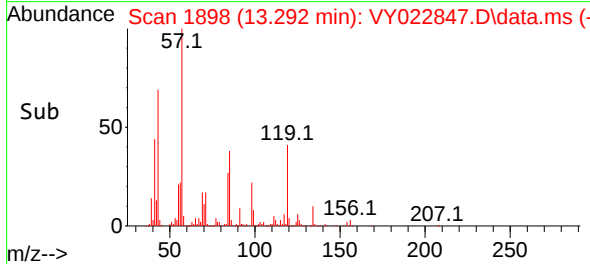
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-6-25-2025RE



Tgt Ion: 119 Resp: 56768
Ion Ratio Lower Upper
119 100
134 26.8 13.1 39.1
91 24.6 11.6 34.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#89
n-Butylbenzene
Concen: 7.843 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY022847.D
Acq: 26 Jun 2025 14:07

Tgt Ion: 91 Resp: 34479
Ion Ratio Lower Upper
91 100
92 80.7 25.9 77.8#
134 0.0 12.0 36.1#

