

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022842.D
 Acq On : 26 Jun 2025 12:10
 Operator : SY/MD
 Sample : Q2419-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 01:26:20 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	7.707	168	214661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	369944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	346828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106198	44.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.660%			
35) Dibromofluoromethane	7.634	113	112990	50.222	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.103	98	444131	49.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.401	95	160445	55.905	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.820%			
Target Compounds						
						Qvalue
8) Diethyl Ether	3.452	74	1695	1.415	ug/l	98
20) Methylene Chloride	4.616	84	16491	5.767	ug/l	89
39) Methylcyclohexane	9.109	83	8145	1.846	ug/l	95
69) o-Xylene	11.950	106	99470	20.395	ug/l	97
78) n-propylbenzene	12.590	91	51238m	3.366	ug/l	
80) 1,3,5-Trimethylbenzene	12.730	105	559753	54.995	ug/l	99
85) sec-Butylbenzene	13.176	105	172057	12.740	ug/l	87
86) p-Isopropyltoluene	13.291	119	144343	12.843	ug/l	99
89) n-Butylbenzene	13.614	91	88548	8.376	ug/l #	55

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

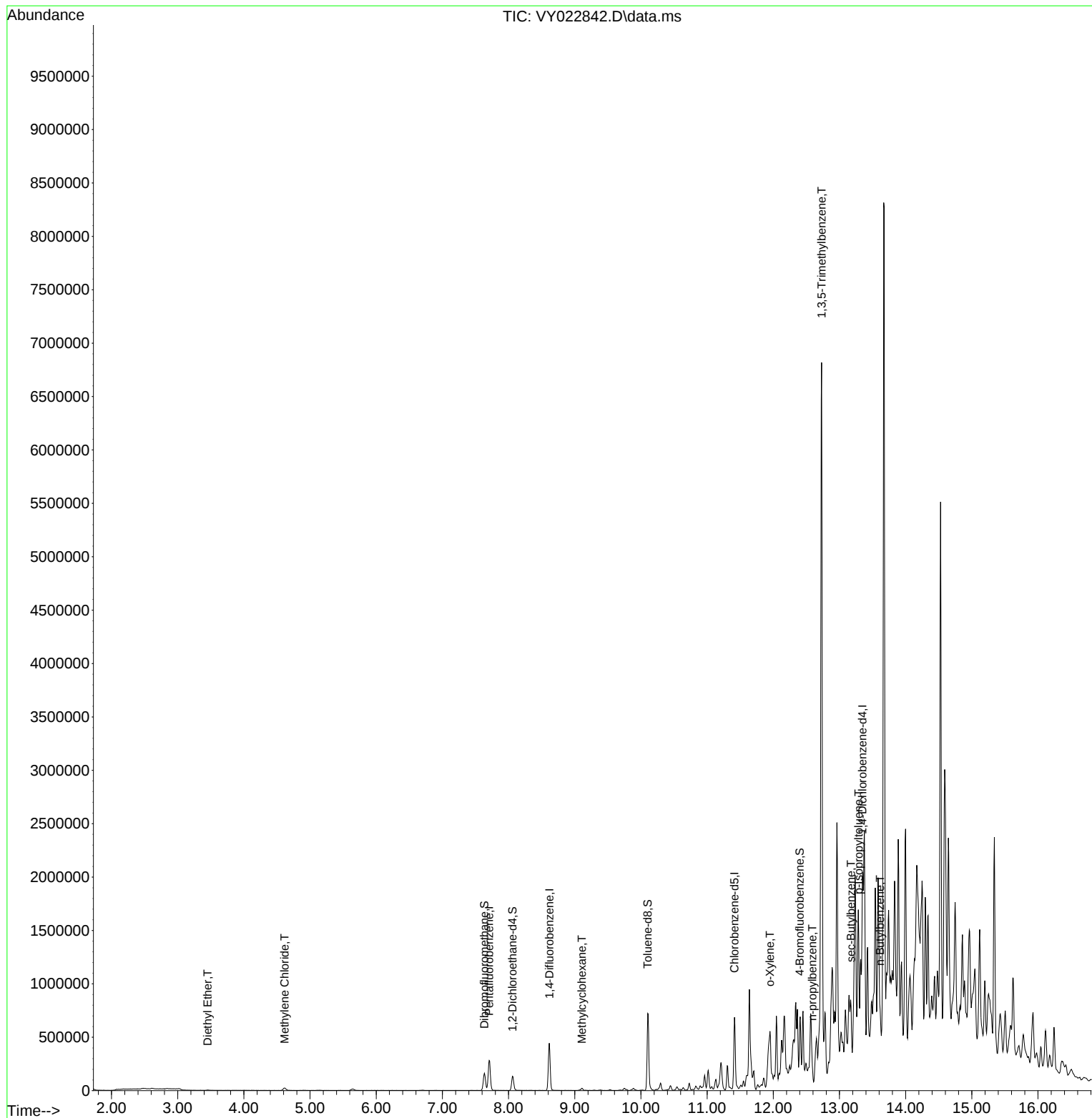
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022842.D
Acq On : 26 Jun 2025 12:10
Operator : SY/MD
Sample : Q2419-01
Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
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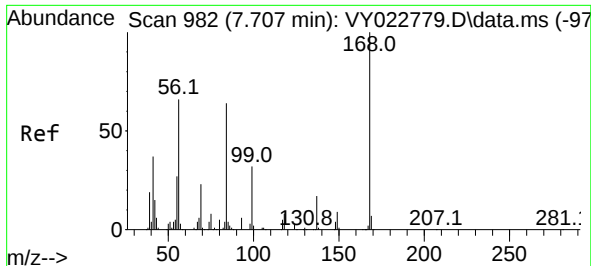
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ClientSampleId :
EO-3-6-25-2025

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Supervised By :Semsettin Yesilyurt 06/27/2025

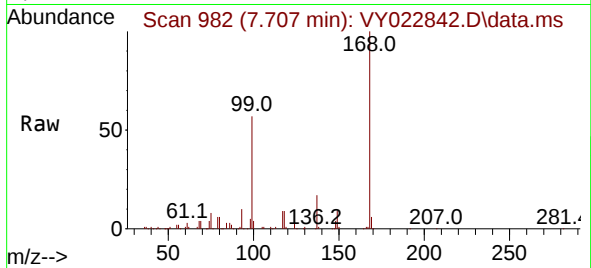
Quant Time: Jun 27 01:26:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

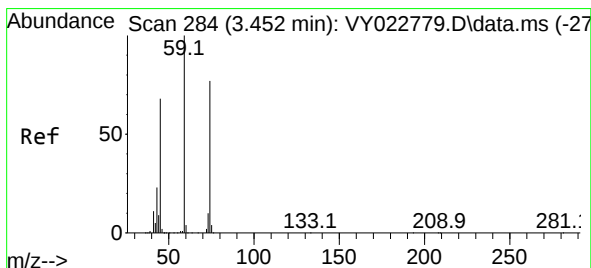
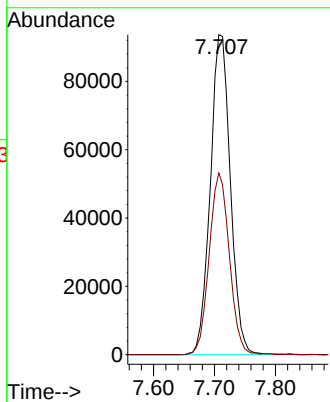
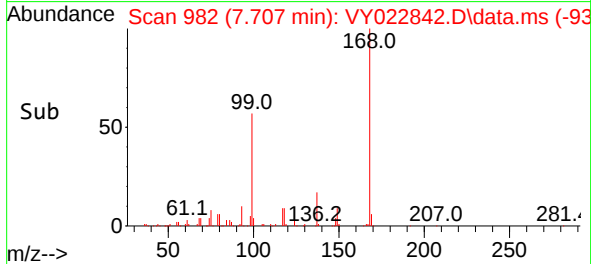
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-6-25-2025



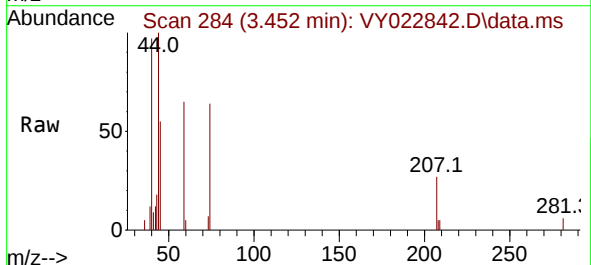
Tgt Ion:168 Resp: 21466
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5

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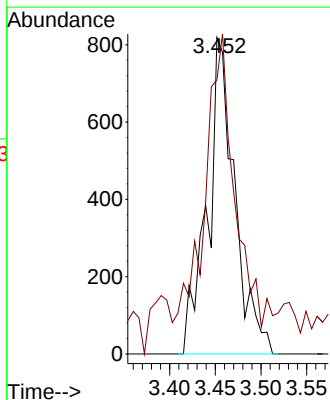
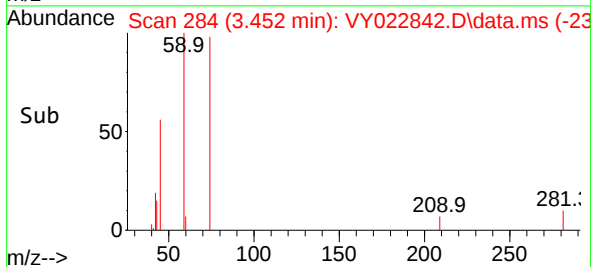
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

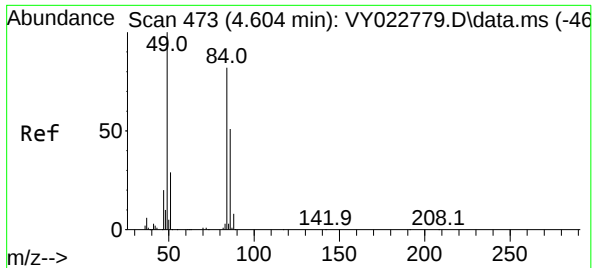


#8
Diethyl Ether
Concen: 1.415 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.013 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10



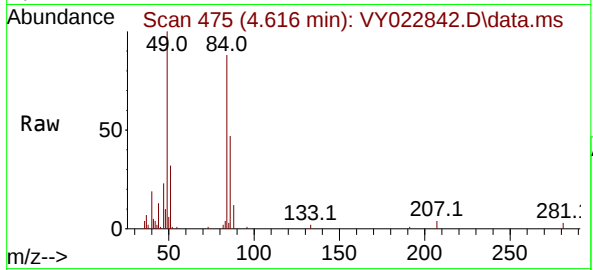
Tgt Ion: 74 Resp: 1695
Ion Ratio Lower Upper
74 100
45 93.3 45.9 137.6





#20
Methylene Chloride
Concen: 5.767 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

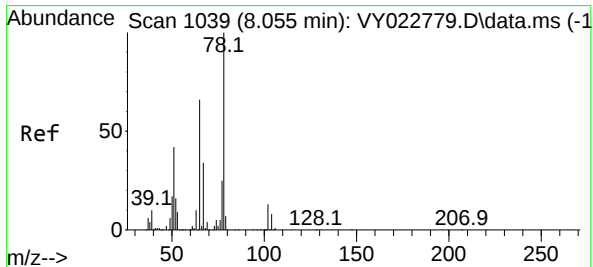
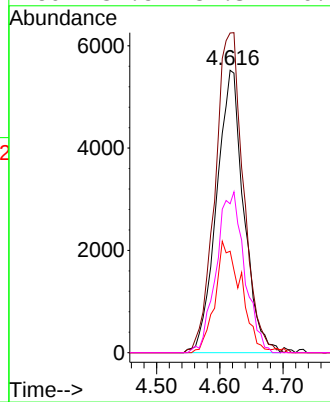
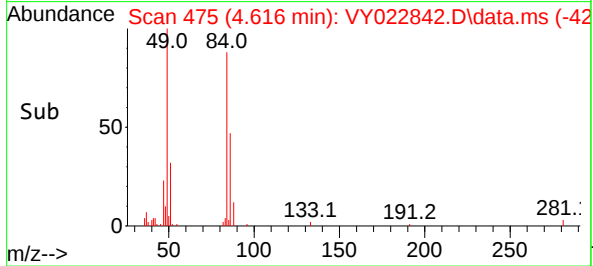
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EO-3-6-25-2025



Tgt Ion: 84	Resp: 1649
Ion Ratio	Lower Upper
84	100
49	113.2 101.9 152.9
51	35.9 29.8 44.8
86	52.8 51.3 76.9

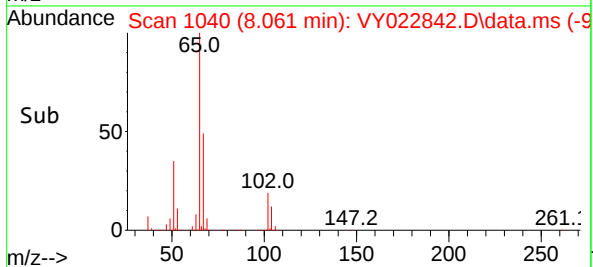
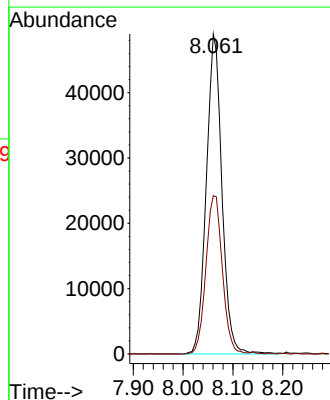
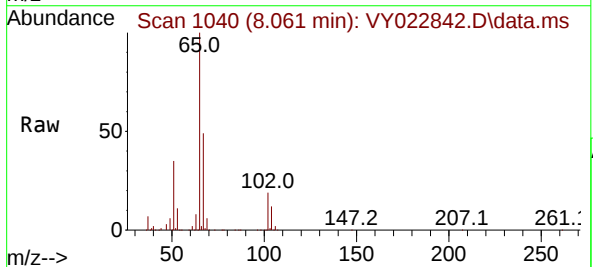
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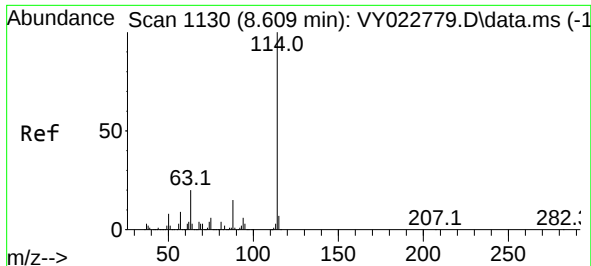
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#33
1,2-Dichloroethane-d4
Concen: 44.326 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

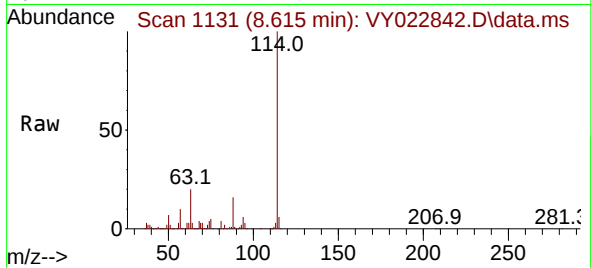
Tgt Ion: 65	Resp: 106198
Ion Ratio	Lower Upper
65	100
67	52.3 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

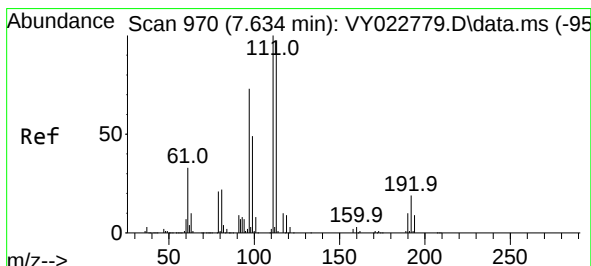
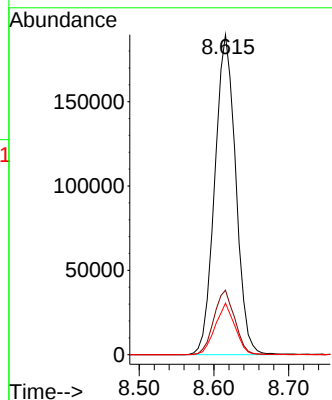
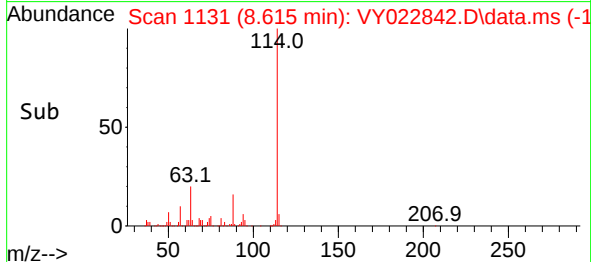
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-6-25-2025



Tgt Ion:114 Resp: 369944
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 16.1 0.0 27.8

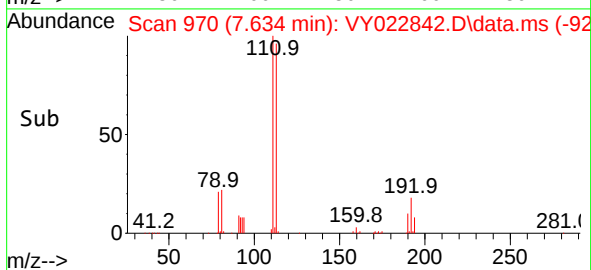
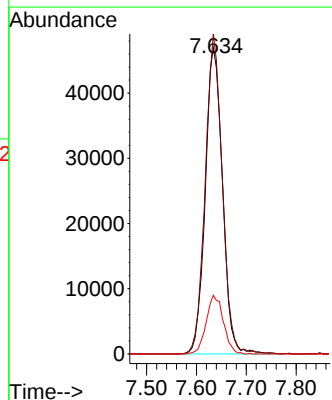
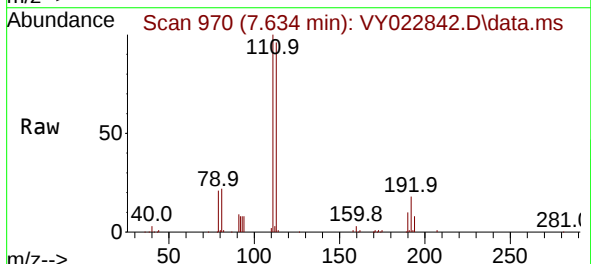
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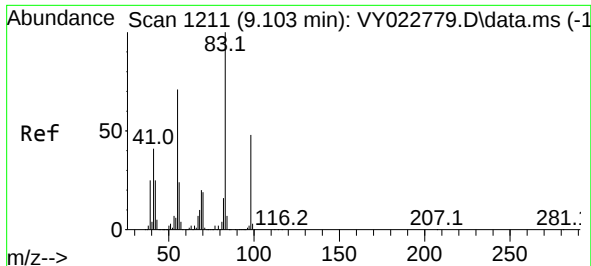
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#35
Dibromofluoromethane
Concen: 50.222 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

Tgt Ion:113 Resp: 112990
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 19.1 14.2 21.2





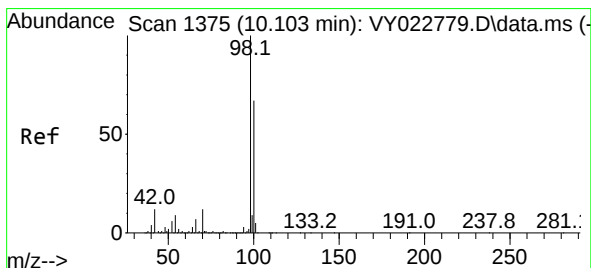
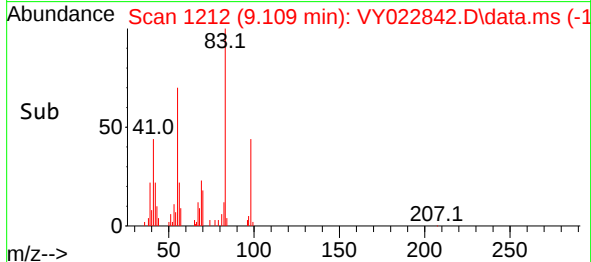
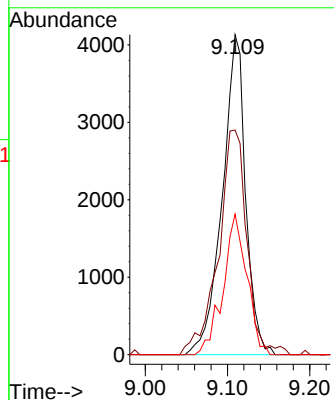
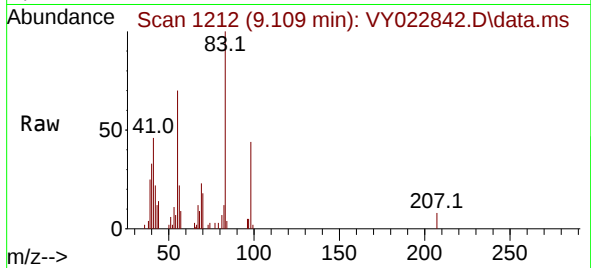
#39
Methylcyclohexane
Concen: 1.846 ug/l
RT: 9.109 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

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

Tgt Ion: 83 Resp: 814
Ion Ratio Lower Upper
83 100
55 70.2 58.1 87.1
98 43.9 39.0 58.6

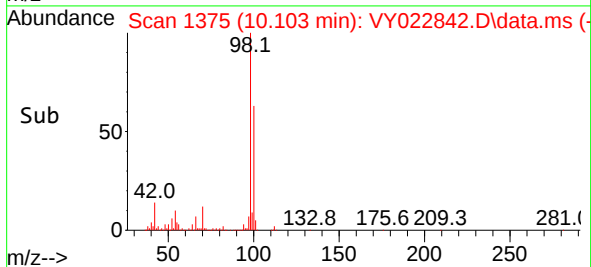
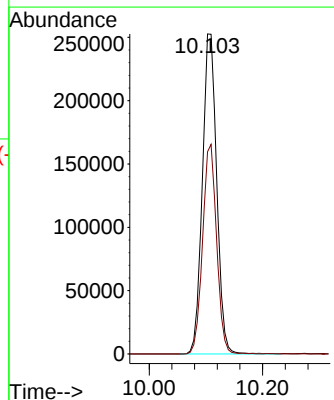
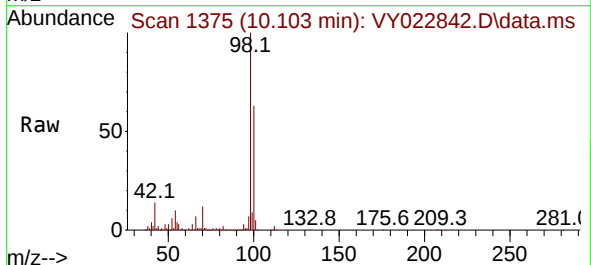
Manual Integrations
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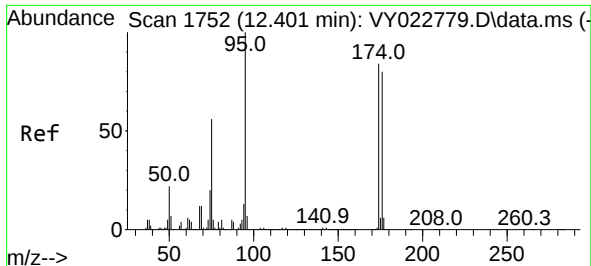
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#50
Toluene-d8
Concen: 49.748 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

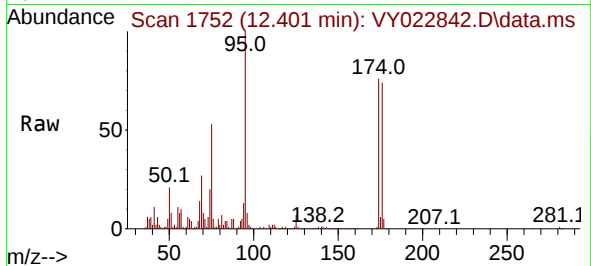
Tgt Ion: 98 Resp: 444131
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0





#62
4-Bromofluorobenzene
Concen: 55.905 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

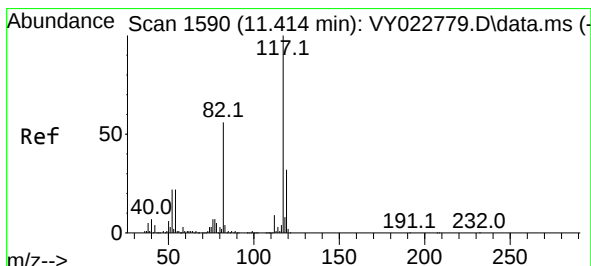
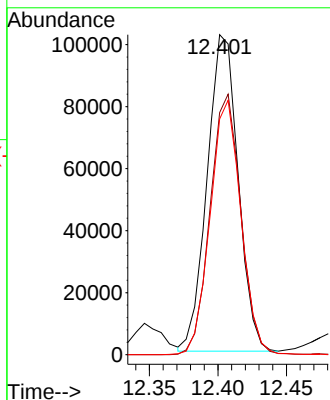
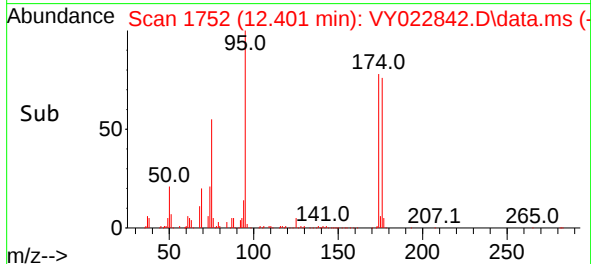
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Tgt Ion: 95 Resp: 160445
Ion Ratio Lower Upper
95 100
174 81.9 0.0 170.0
176 80.0 0.0 166.2

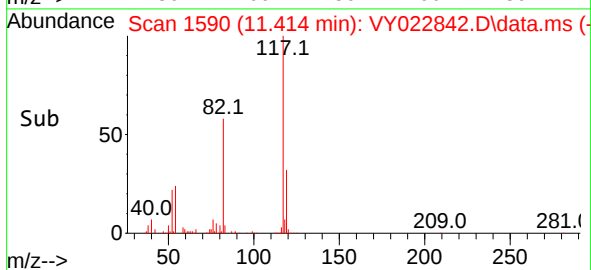
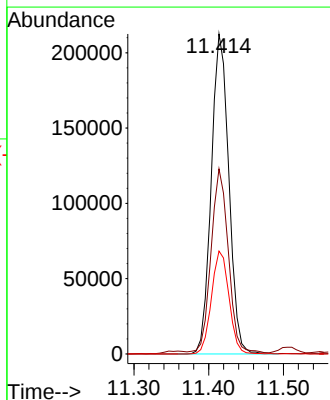
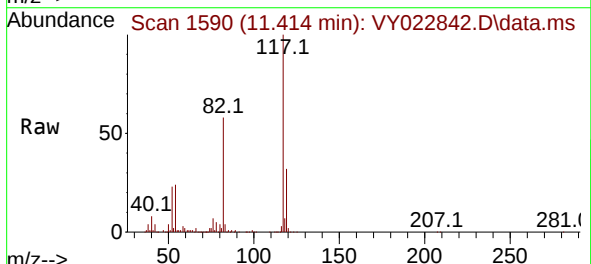
Manual Integrations
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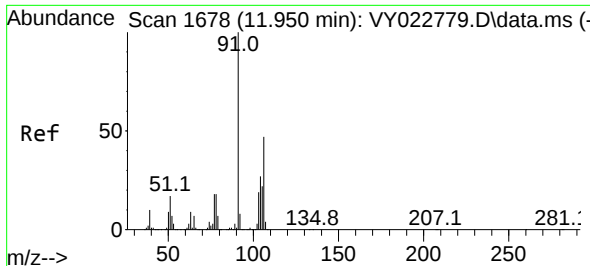
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

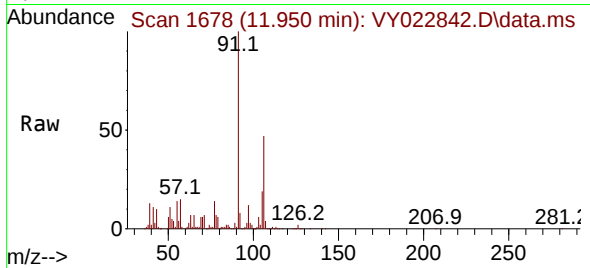
Tgt Ion:117 Resp: 346828
Ion Ratio Lower Upper
117 100
82 57.0 44.6 66.8
119 32.2 25.4 38.0





#69
o-Xylene
Concen: 20.395 ug/l
RT: 11.950 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

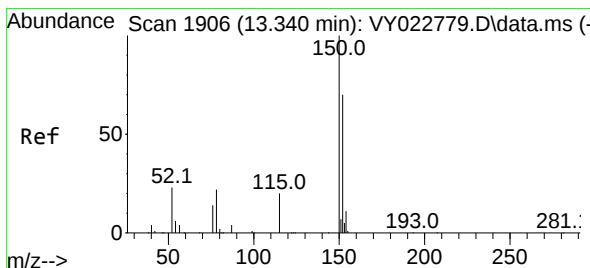
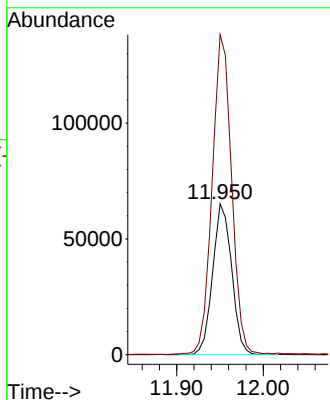
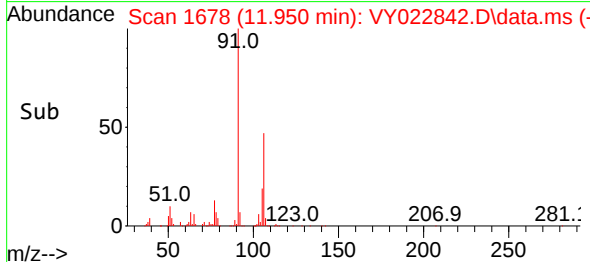
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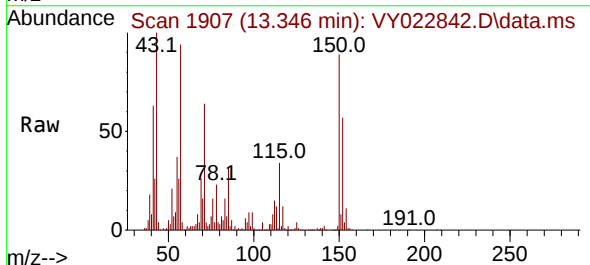
Tgt Ion:106 Resp: 99470
Ion Ratio Lower Upper
106 100
91 216.4 105.8 317.3

Manual Integrations
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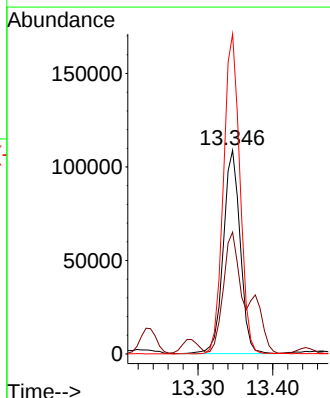
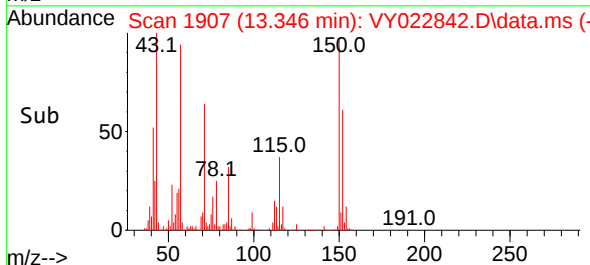
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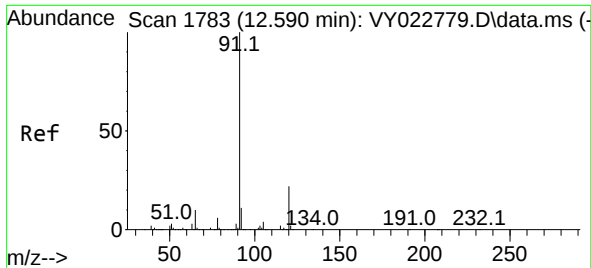


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10



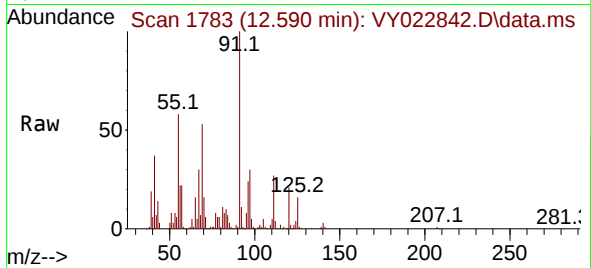
Tgt Ion:152 Resp: 170483
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 153.1 0.0 349.6





#78
n-propylbenzene
Concen: 3.366 ug/l m
RT: 12.590 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

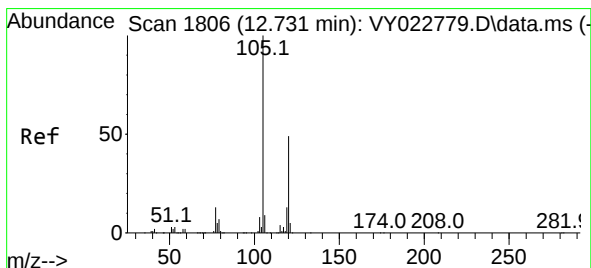
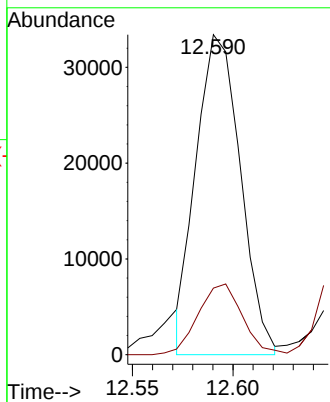
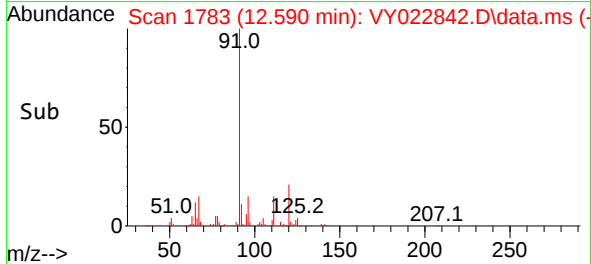
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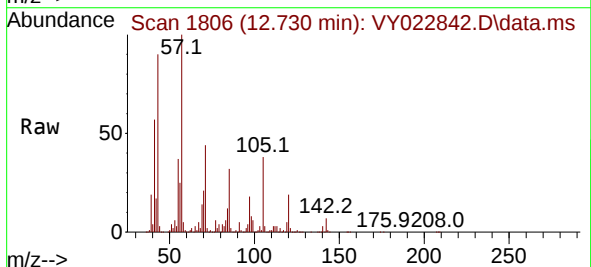
Tgt Ion: 91 Resp: 51238
Ion Ratio Lower Upper
91 100
120 22.2 10.8 32.4

Manual Integrations
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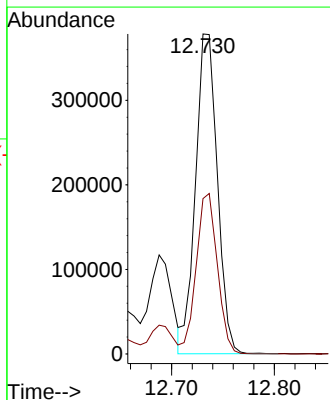
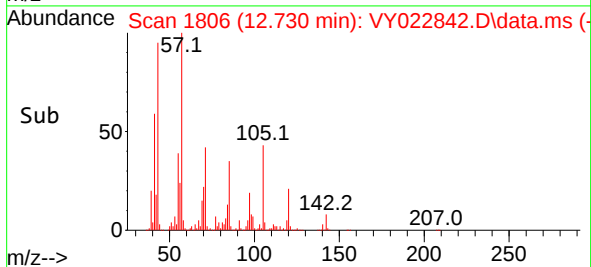
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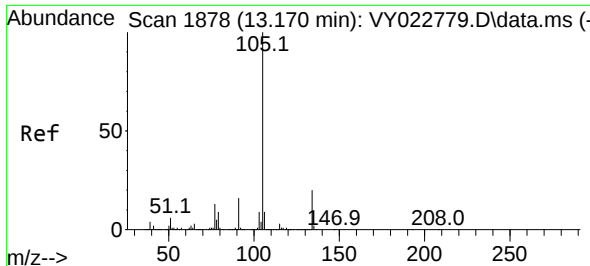


#80
1,3,5-Trimethylbenzene
Concen: 54.995 ug/l
RT: 12.730 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10



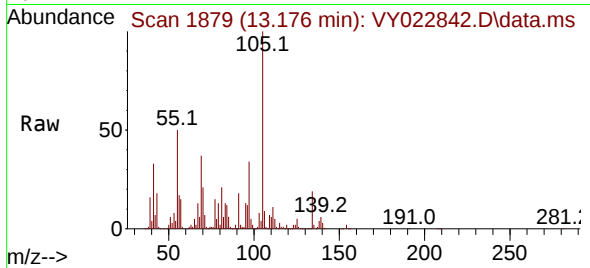
Tgt Ion:105 Resp: 559753
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.4





#85
 sec-Butylbenzene
 Concen: 12.740 ug/l
 RT: 13.176 min Scan# 1878
 Delta R.T. -0.000 min
 Lab File: VY022842.D
 Acq: 26 Jun 2025 12:10

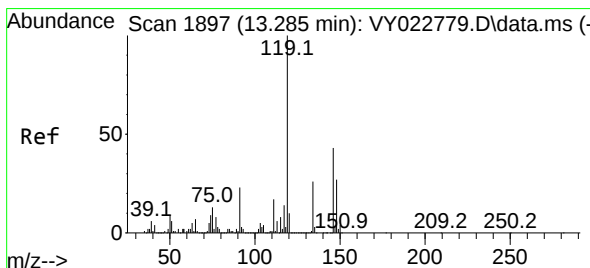
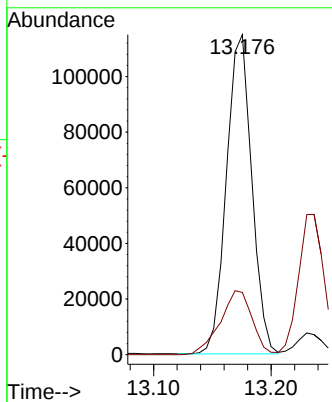
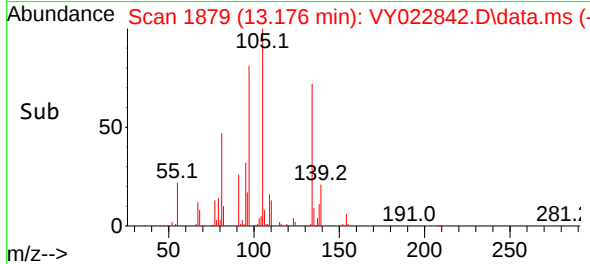
Instrument : MSVOA_Y
 ClientSampleId : EO-3-6-25-2025



Tgt Ion:105 Resp: 17205
 Ion Ratio Lower Upper
 105 100
 134 25.3 9.7 28.9

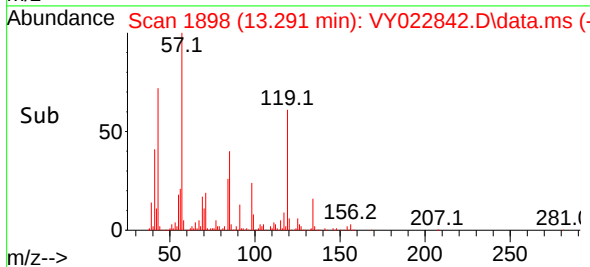
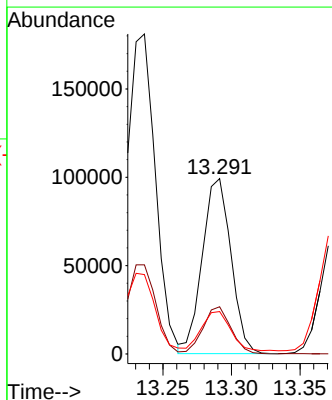
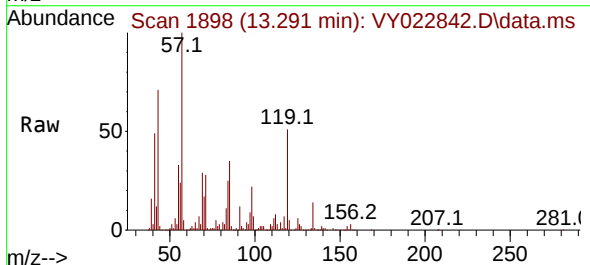
Manual Integrations
 APPROVED

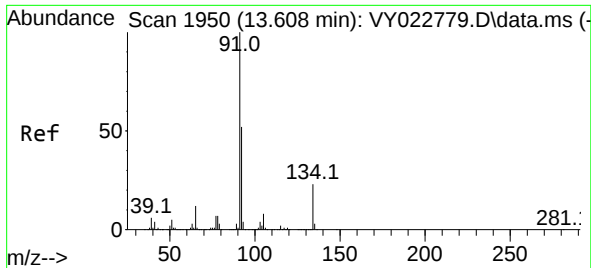
Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025



#86
 p-Isopropyltoluene
 Concen: 12.843 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022842.D
 Acq: 26 Jun 2025 12:10

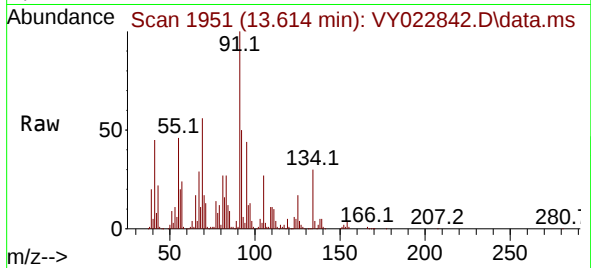
Tgt Ion:119 Resp: 144343
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.1
 91 22.5 11.6 34.8





#89
n-Butylbenzene
Concen: 8.376 ug/l
RT: 13.614 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY022842.D
Acq: 26 Jun 2025 12:10

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



Tgt Ion: 91 Resp: 88548

Ion	Ratio	Lower	Upper
91	100		
92	82.0	25.9	77.8
134	0.0	12.0	36.1

Manual Integrations
APPROVED

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

