

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031840.D
 Acq On : 14 Jul 2025 11:16
 Operator : SY/MD
 Sample : Q2503-03
 Misc : 4.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	210867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	390097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	330238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	124443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121517	40.155	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	80.320%		
35) Dibromofluoromethane	7.898	113	109893	43.171	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	86.340%		
50) Toluene-d8	10.325	98	454812	48.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.617	95	132548	38.022	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	76.040%		
Target Compounds					Qvalue	
16) Acetone	4.161	43	183992	245.985	ug/l	94
17) Carbon Disulfide	4.417	76	14969	2.226	ug/l	99
25) 2-Butanone	7.191	43	79299	81.491	ug/l #	87
31) Cyclohexane	7.972	56	1772349	411.327	ug/l	93
39) Methylcyclohexane	9.343	83	3108704	678.321	ug/l	97
52) Toluene	10.392	92	25535	3.660	ug/l	97
67) Ethyl Benzene	11.733	91	17565	1.390	ug/l	89
68) m/p-Xylenes	11.837	106	99062	20.396	ug/l	95
69) o-Xylene	12.166	106	19927	4.431	ug/l	92
73) Isopropylbenzene	12.465	105	235287	24.857	ug/l	99
78) n-propylbenzene	12.800	91	426293	37.608	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	127325	16.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	289573	36.475	ug/l	98
85) sec-Butylbenzene	13.379	105	54204	5.381	ug/l #	72
86) p-Isopropyltoluene	13.495	119	35983	4.334	ug/l	92
89) n-Butylbenzene	13.812	91	26880m	3.332	ug/l	

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

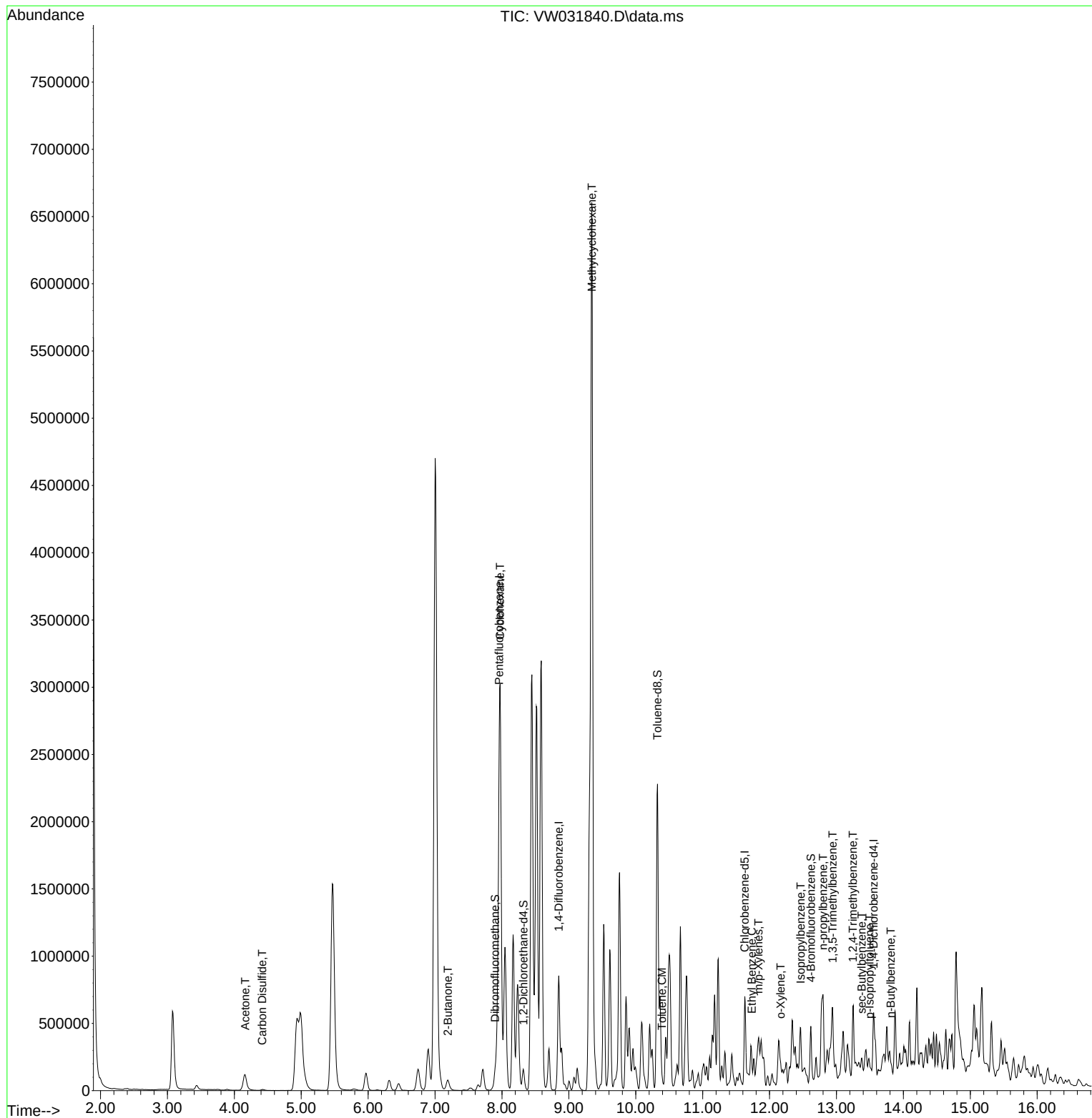
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
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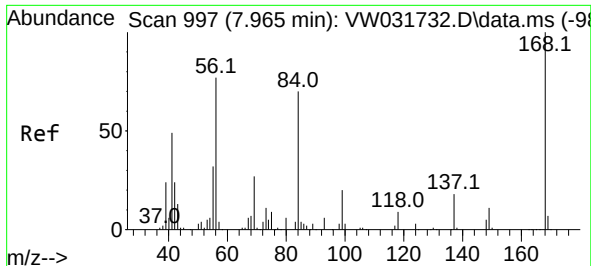
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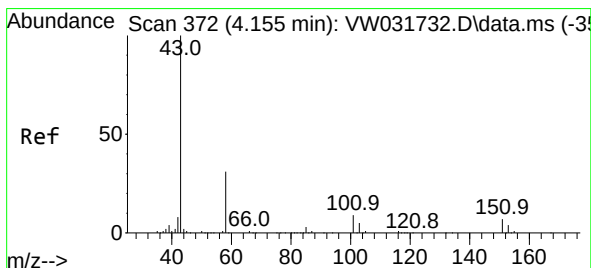
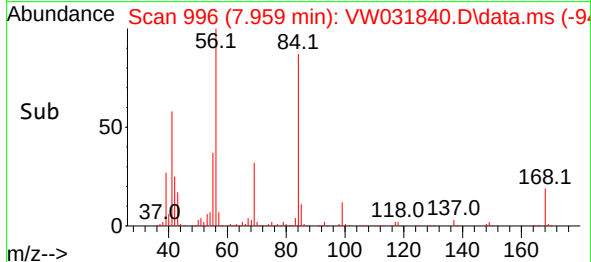
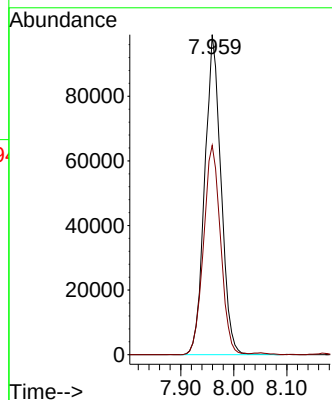
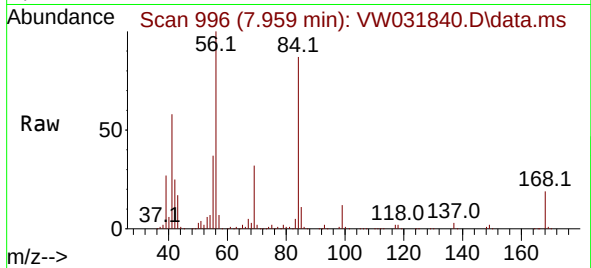
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:168 Resp: 21086
Ion Ratio Lower Upper
168 100
99 65.4 49.4 74.2

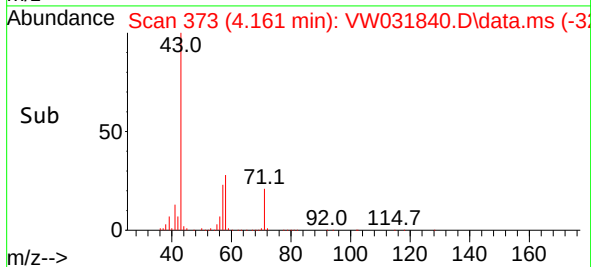
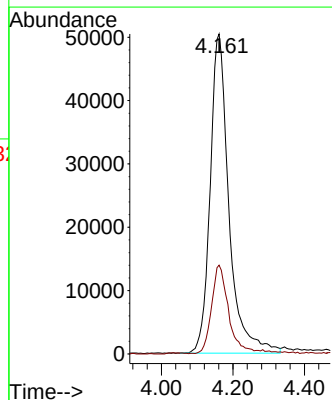
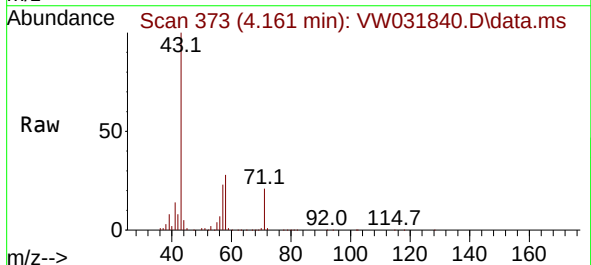
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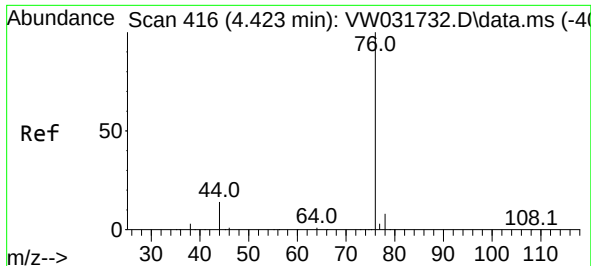
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#16
Acetone
Concen: 245.985 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.007 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 43 Resp: 183992
Ion Ratio Lower Upper
43 100
58 27.5 24.8 37.2





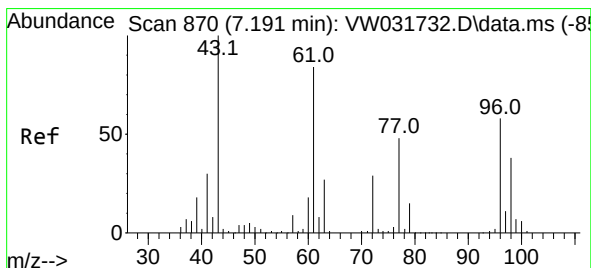
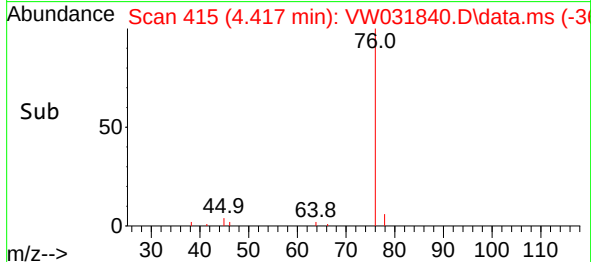
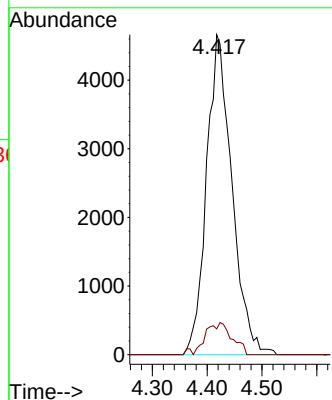
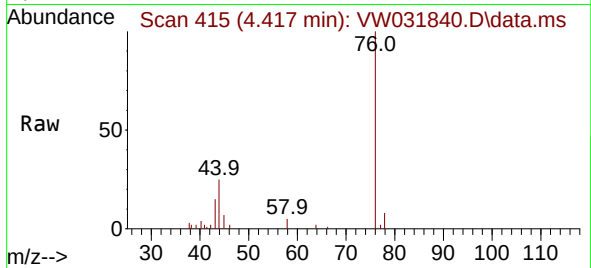
#17
Carbon Disulfide
Concen: 2.226 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion: 76 Resp: 14969
Ion Ratio Lower Upper
76 100
78 8.0 6.6 10.0

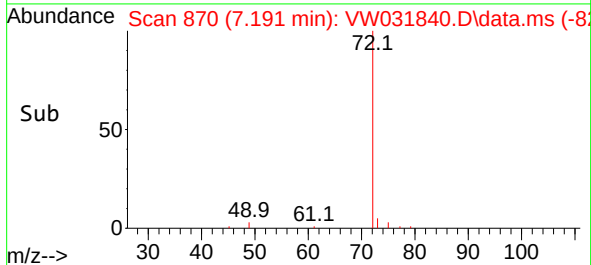
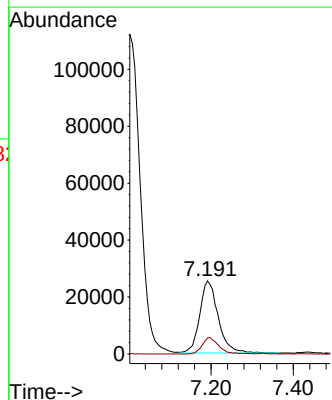
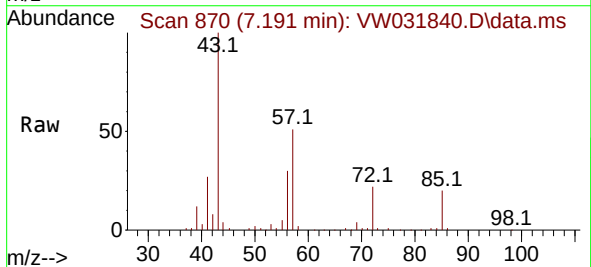
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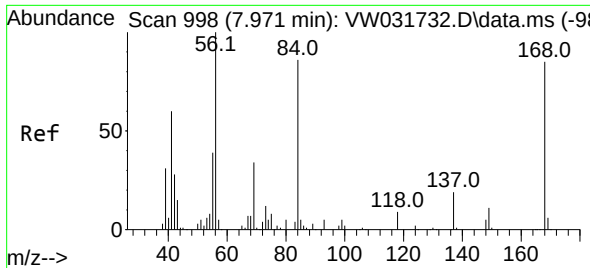
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#25
2-Butanone
Concen: 81.491 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

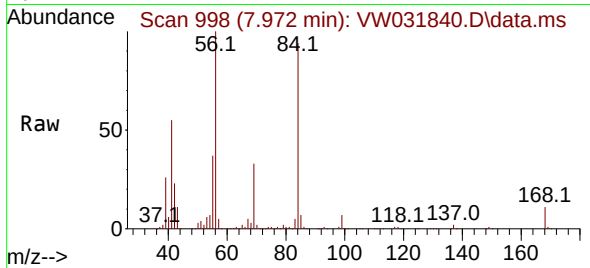
Tgt Ion: 43 Resp: 79299
Ion Ratio Lower Upper
43 100
72 22.1 23.0 34.6#





#31
Cyclohexane
Concen: 411.327 ug/l
RT: 7.972 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

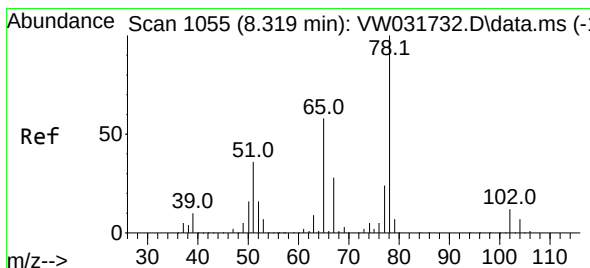
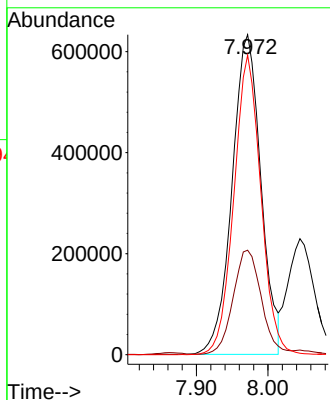
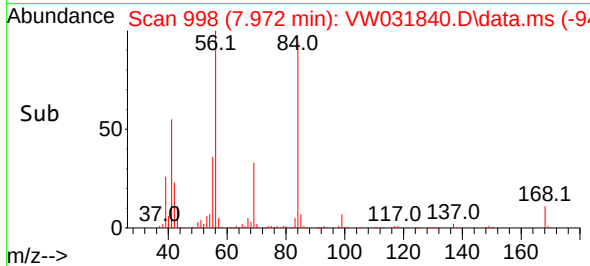
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



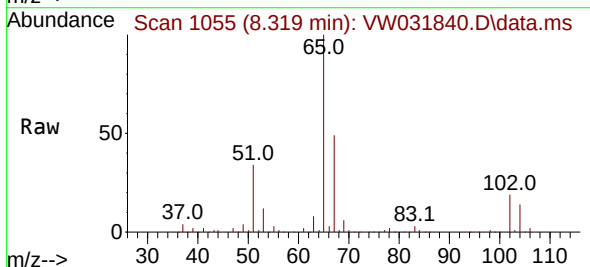
Tgt Ion: 56 Resp: 1772349
Ion Ratio Lower Upper
56 100
69 32.2 27.2 40.8
84 93.7 68.5 102.7

Manual Integrations
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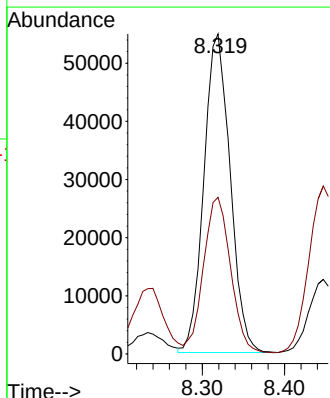
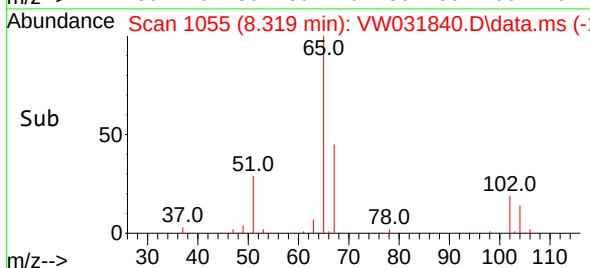
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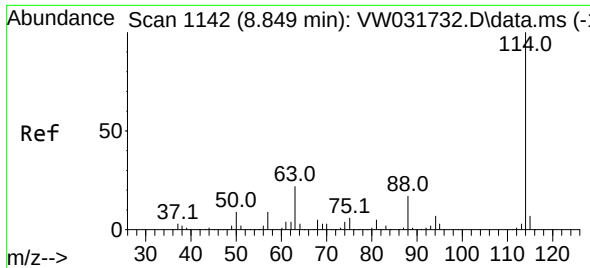


#33
1,2-Dichloroethane-d4
Concen: 40.155 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16



Tgt Ion: 65 Resp: 121517
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.4





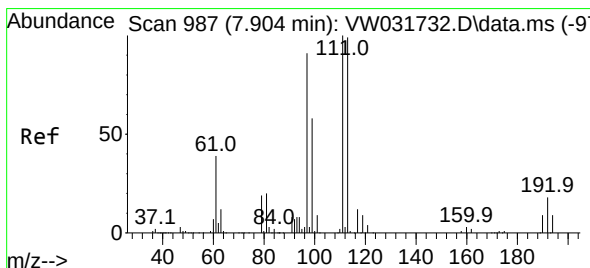
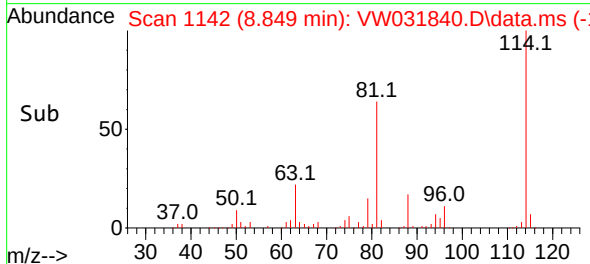
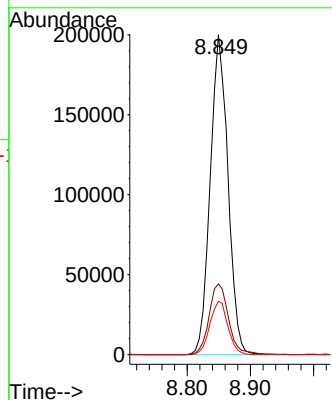
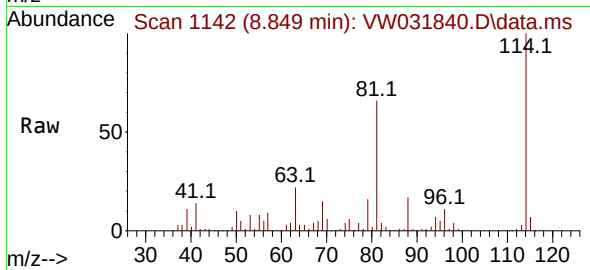
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:114 Resp: 39009
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.6
88 16.7 0.0 34.2

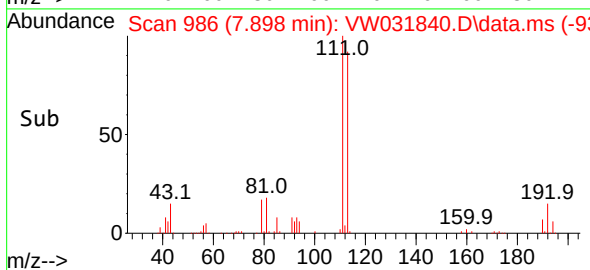
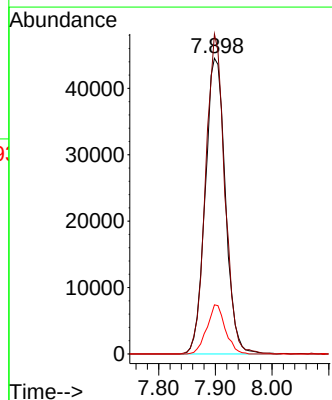
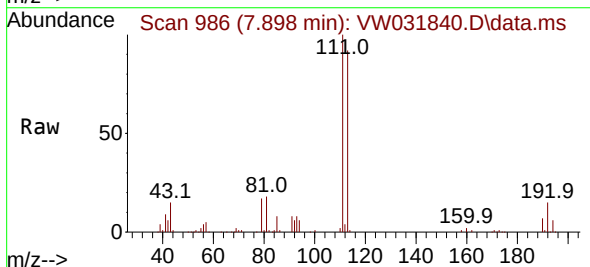
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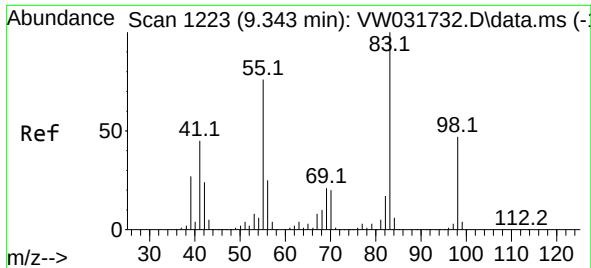
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#35
Dibromofluoromethane
Concen: 43.171 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

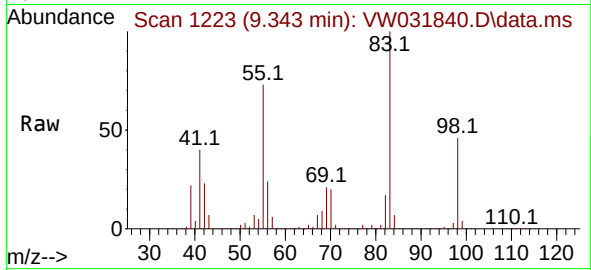
Tgt Ion:113 Resp: 109893
Ion Ratio Lower Upper
113 100
111 102.7 82.1 123.1
192 15.2 13.8 20.6





#39
Methylcyclohexane
Concen: 678.321 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

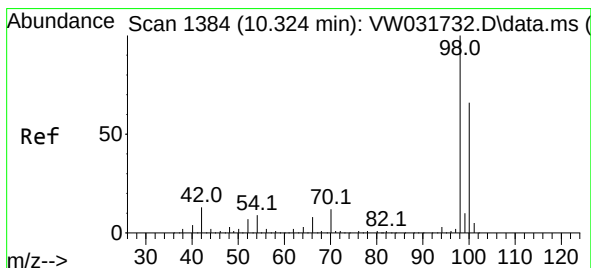
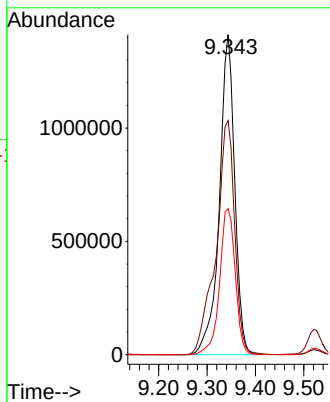
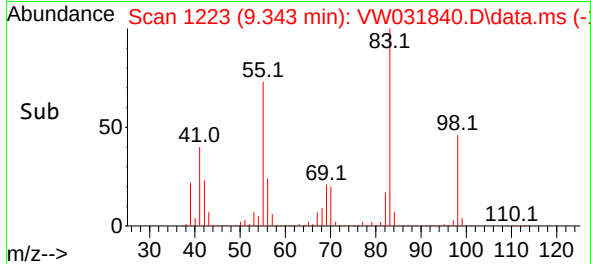
Instrument :
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ClientSampleId :
GCAP2



Tgt Ion: 83 Resp: 3108704
Ion Ratio Lower Upper
83 100
55 73.1 61.0 91.4
98 45.6 37.9 56.9

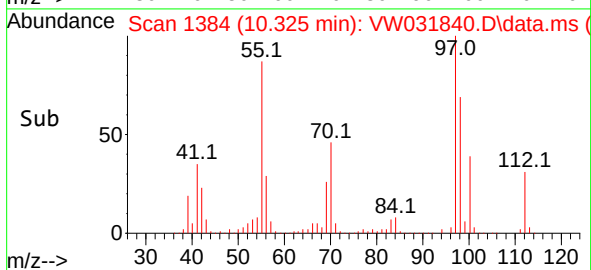
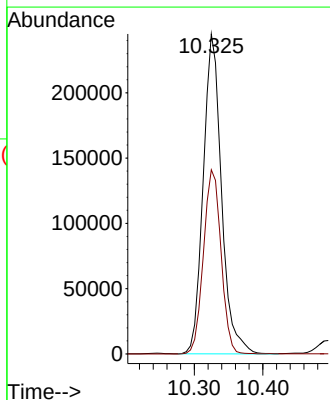
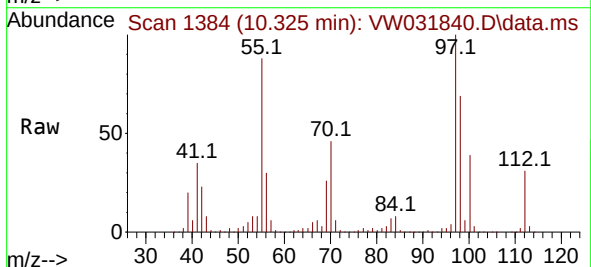
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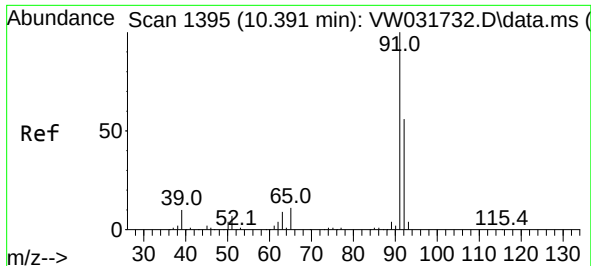
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#50
Toluene-d8
Concen: 48.011 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

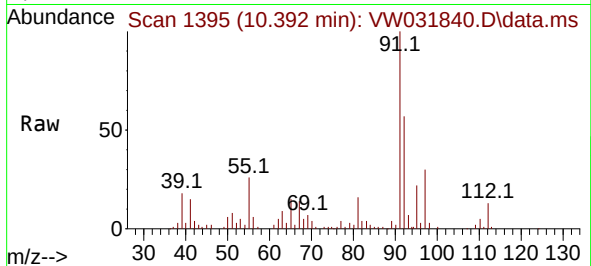
Tgt Ion: 98 Resp: 454812
Ion Ratio Lower Upper
98 100
100 55.2 53.0 79.4





#52
Toluene
Concen: 3.660 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

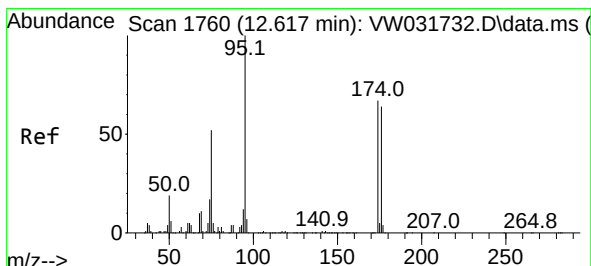
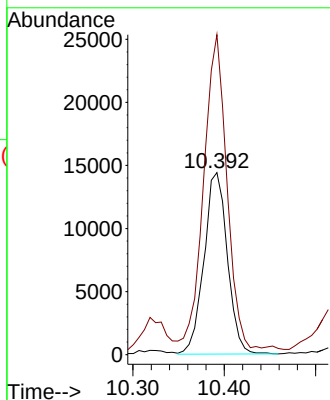
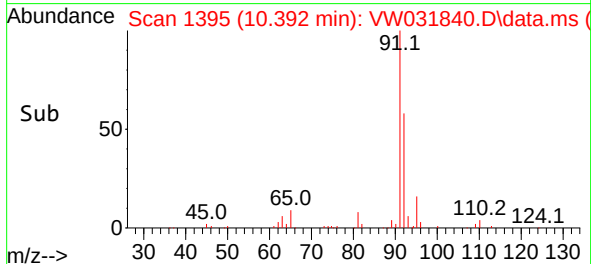
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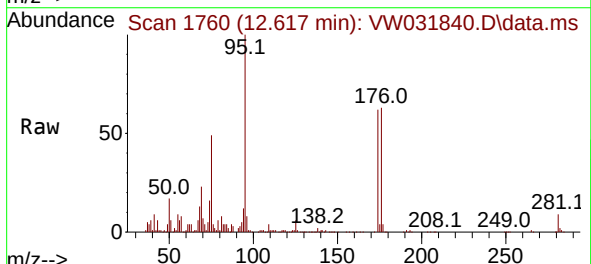
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Ion Ratio Lower Upper
92 100
91 170.3 139.5 209.3

Manual Integrations
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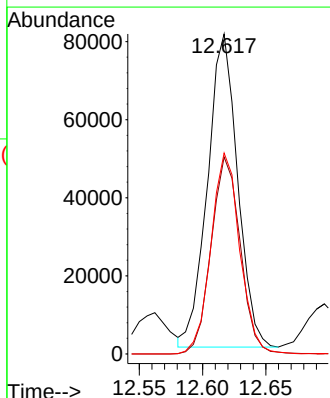
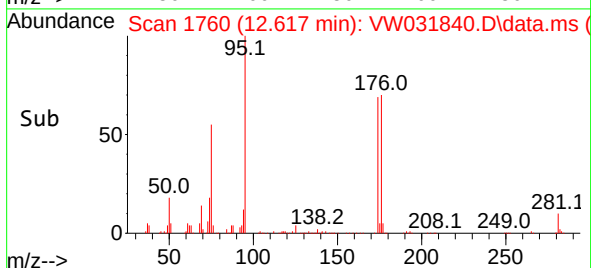
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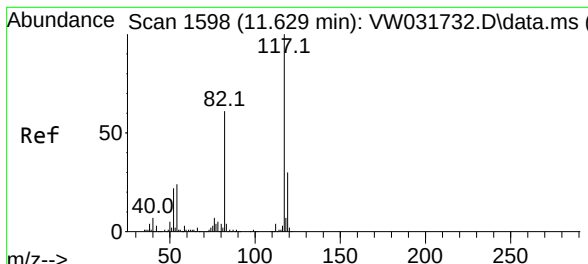


#62
4-Bromofluorobenzene
Concen: 38.022 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16



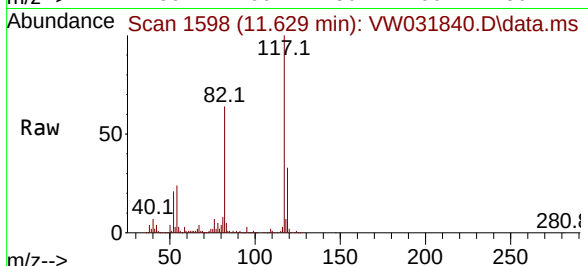
Tgt Ion: 95 Resp: 132548
Ion Ratio Lower Upper
95 100
174 61.0 0.0 133.8
176 61.5 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11598
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

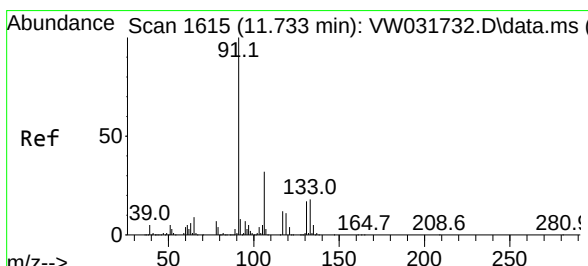
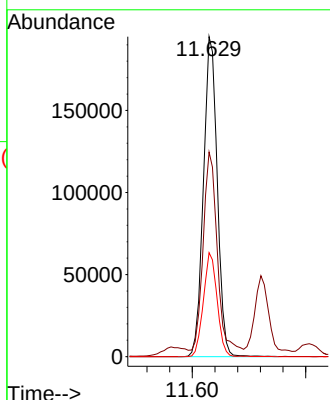
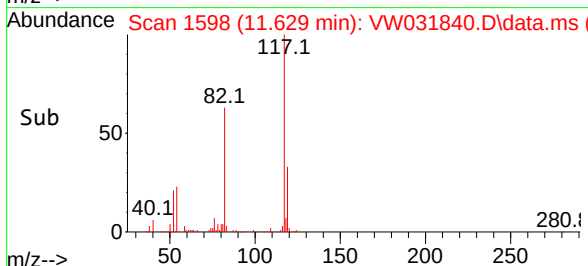
Instrument :
MSVOA_W
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GCAP2



Tgt Ion:117 Resp: 330238
Ion Ratio Lower Upper
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82 61.6 48.6 72.8
119 32.5 23.9 35.9

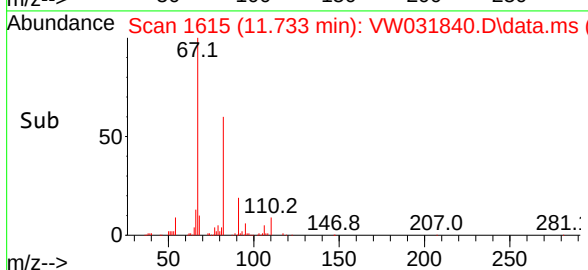
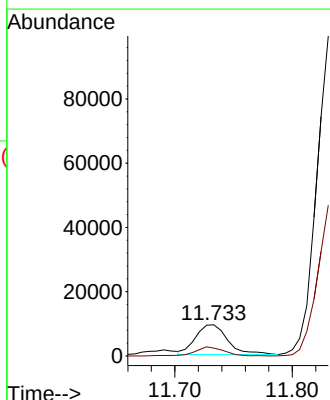
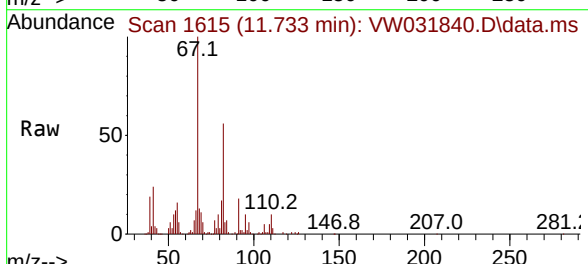
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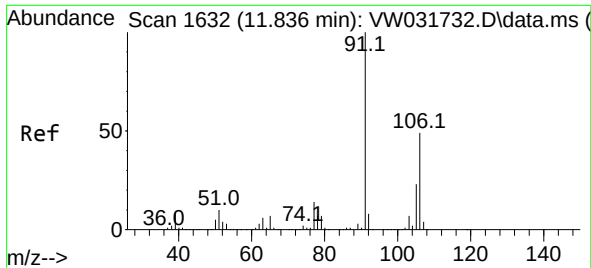
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#67
Ethyl Benzene
Concen: 1.390 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 17565
Ion Ratio Lower Upper
91 100
106 25.4 25.4 38.2





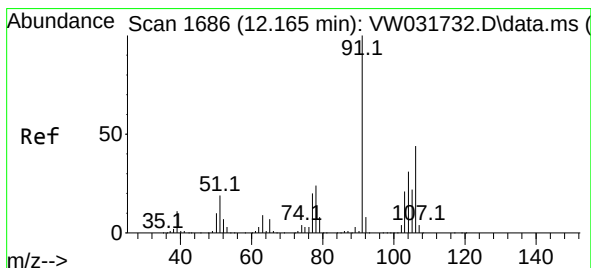
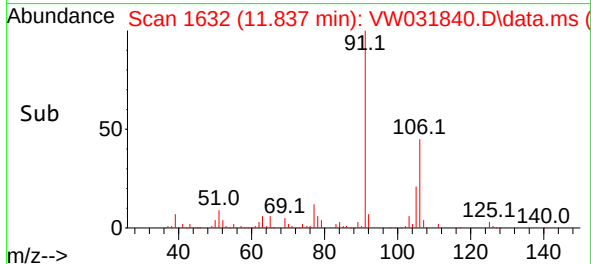
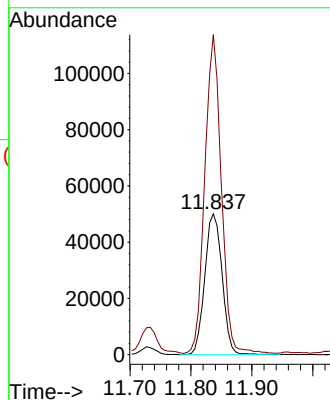
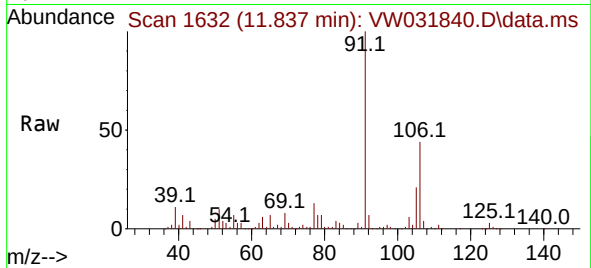
#68
m/p-Xylenes
Concen: 20.396 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:106 Resp: 99062
Ion Ratio Lower Upper
106 100
91 215.0 166.4 249.6

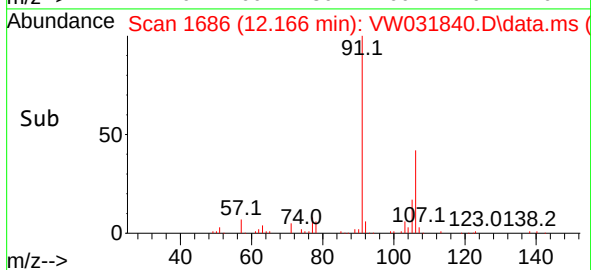
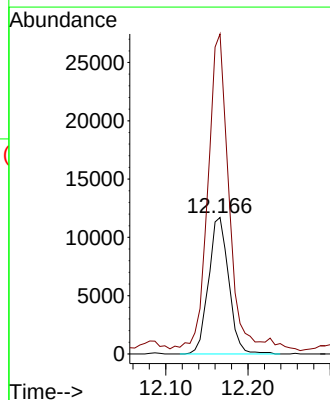
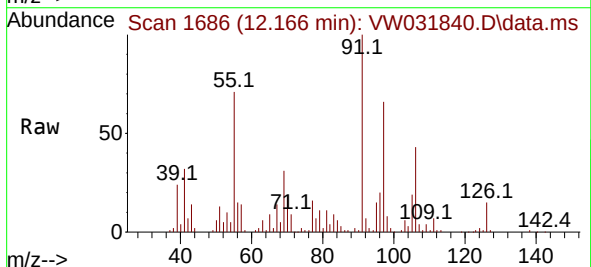
Manual Integrations
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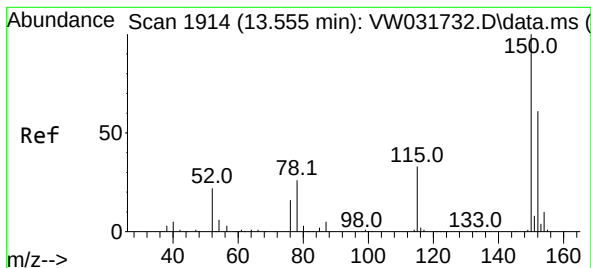
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#69
o-Xylene
Concen: 4.431 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

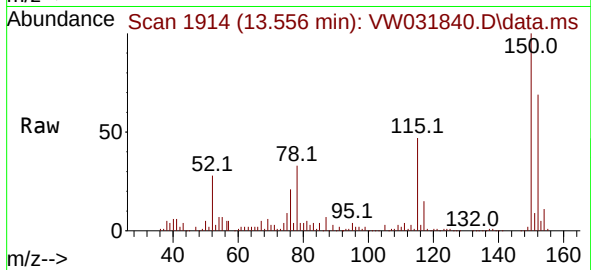
Tgt Ion:106 Resp: 19927
Ion Ratio Lower Upper
106 100
91 235.1 111.5 334.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

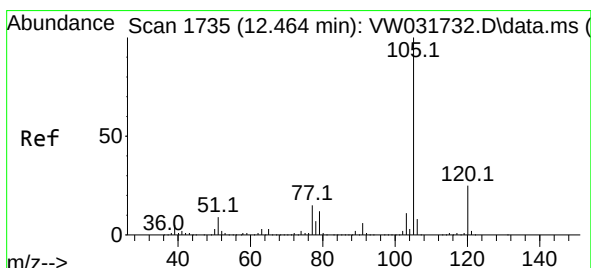
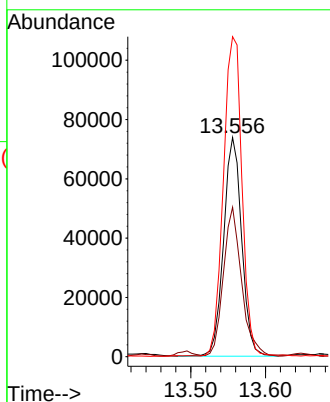
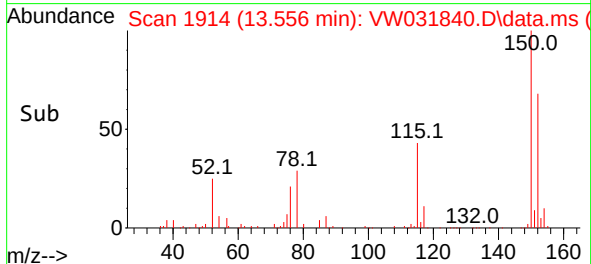
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



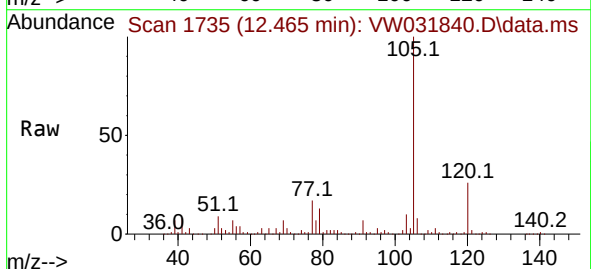
Tgt Ion:152 Resp: 12444
Ion Ratio Lower Upper
152 100
115 68.3 31.9 95.7
150 150.0 0.0 356.4

Manual Integrations
APPROVED

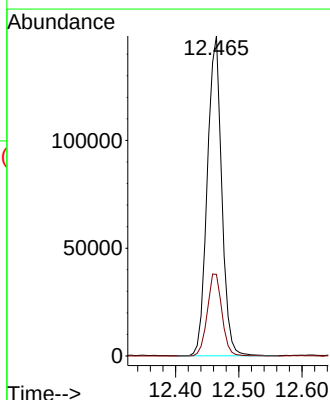
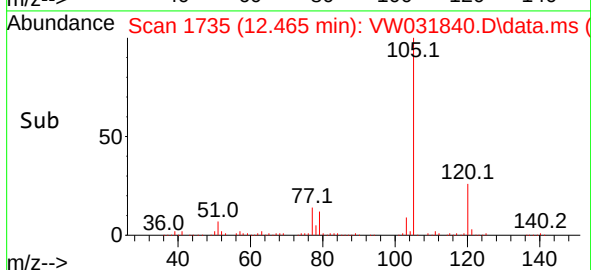
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

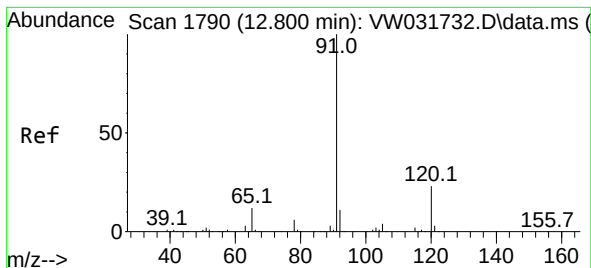


#73
Isopropylbenzene
Concen: 24.857 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16



Tgt Ion:105 Resp: 235287
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4





#78

n-propylbenzene

Concen: 37.608 ug/l

RT: 12.800 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031840.D

Acq: 14 Jul 2025 11:16

Instrument :

MSVOA_W

ClientSampleId :

GCAP2

Tgt Ion: 91 Resp: 42629

Ion Ratio Lower Upper

91 100

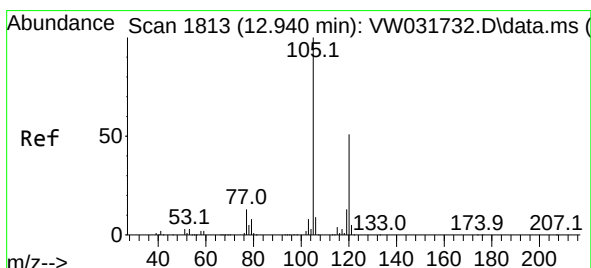
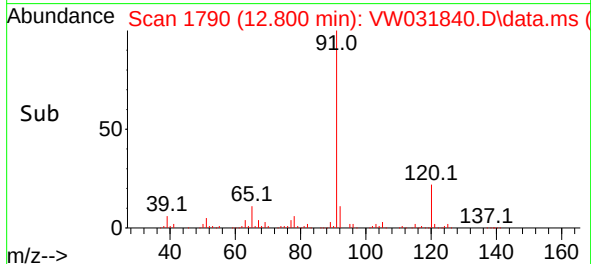
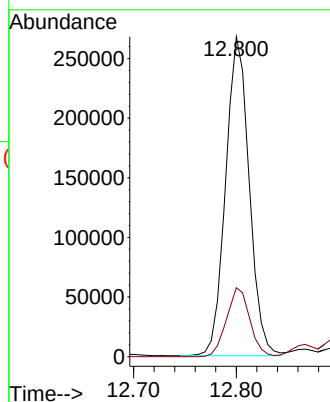
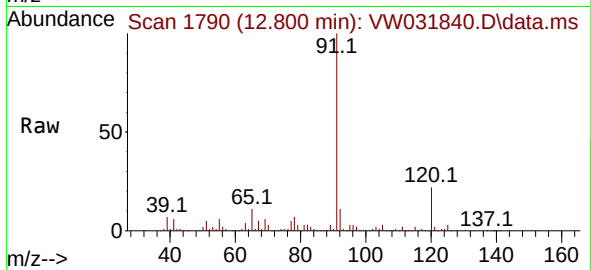
120 21.3 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#80

1,3,5-Trimethylbenzene

Concen: 16.250 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW031840.D

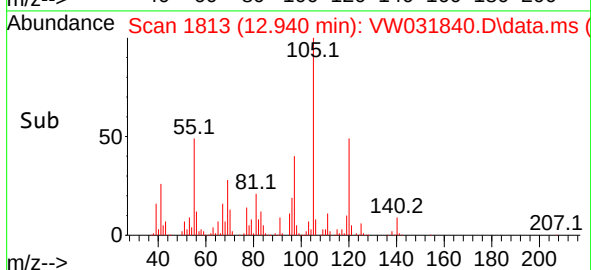
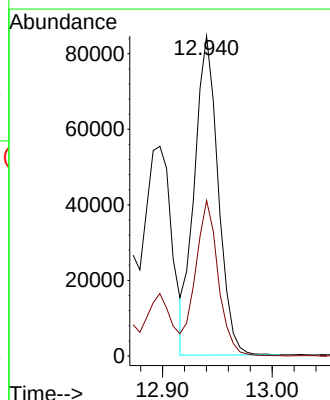
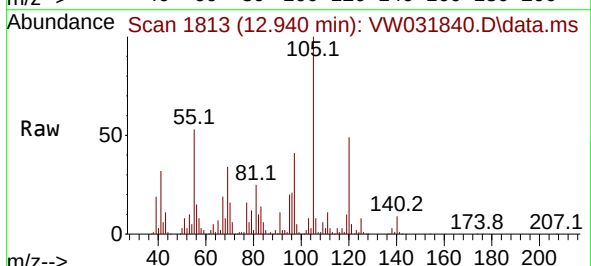
Acq: 14 Jul 2025 11:16

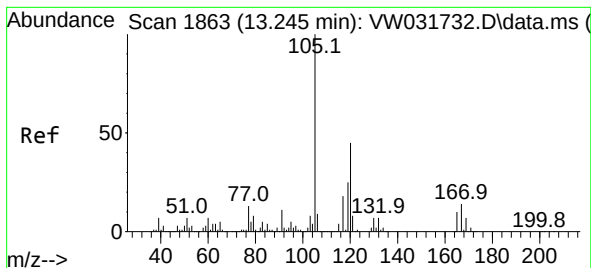
Tgt Ion:105 Resp: 127325

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.2





#84

1,2,4-Trimethylbenzene

Concen: 36.475 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW031840.D

Acq: 14 Jul 2025 11:16

Instrument :

MSVOA_W

ClientSampleId :

GCAP2

Tgt Ion:105 Resp: 28957

Ion Ratio Lower Upper

105 100

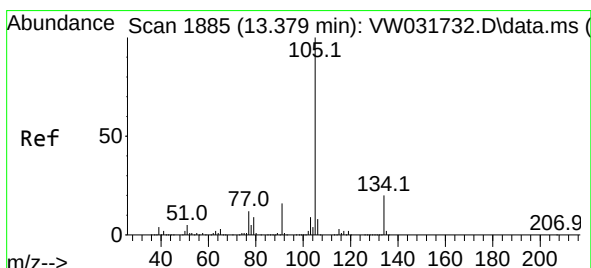
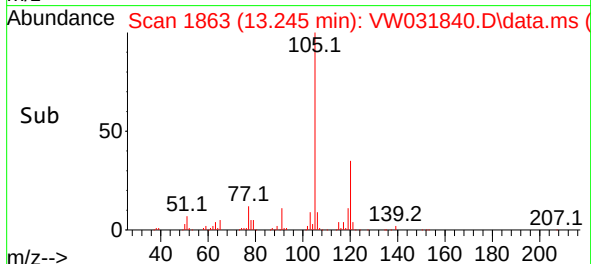
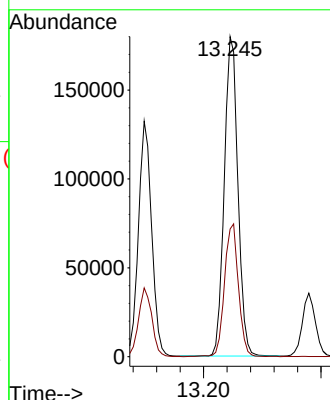
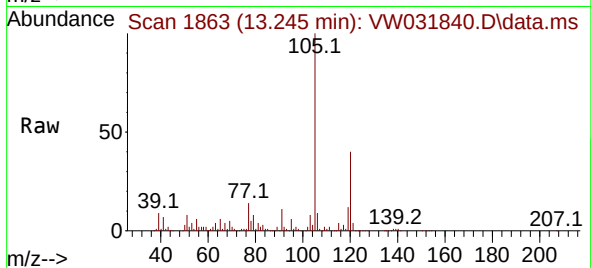
120 42.5 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#85

sec-Butylbenzene

Concen: 5.381 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031840.D

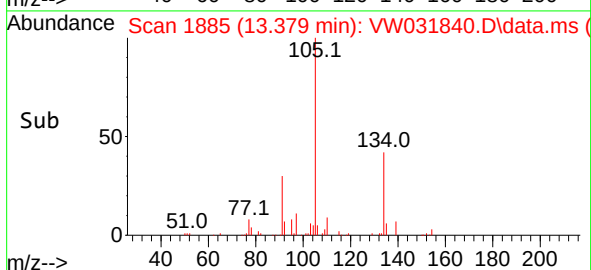
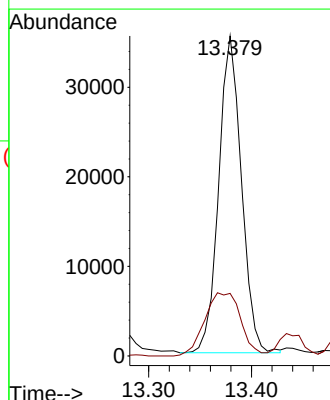
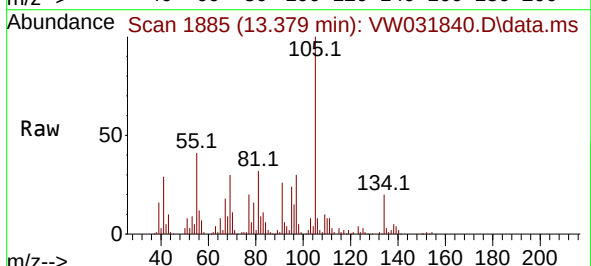
Acq: 14 Jul 2025 11:16

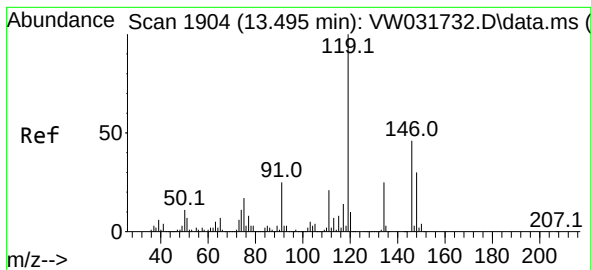
Tgt Ion:105 Resp: 54204

Ion Ratio Lower Upper

105 100

134 31.8 9.6 28.8#





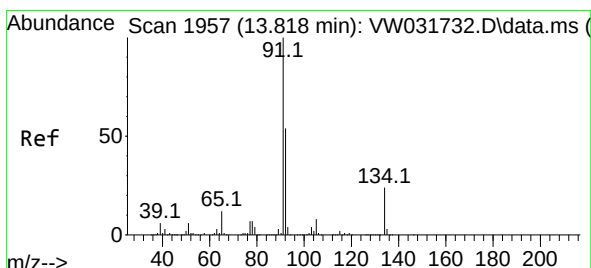
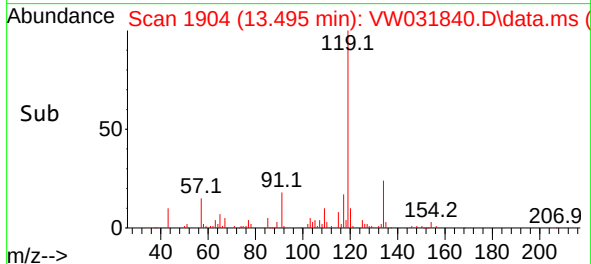
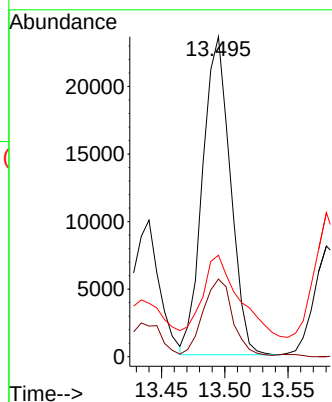
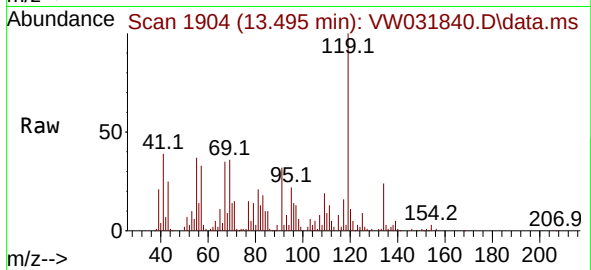
#86
p-Isopropyltoluene
Concen: 4.334 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion: 119 Resp: 3598
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 33.5 12.7 38.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#89
n-Butylbenzene
Concen: 3.332 ug/l m
RT: 13.812 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 26880
Ion Ratio Lower Upper
91 100
92 60.1 27.2 81.5
134 0.0 12.2 36.6#

