

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031843.D
 Acq On : 14 Jul 2025 12:22
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 6.93g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

Manual Integrations
 APPROVED

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

Quant Time: Jul 15 02:43:12 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	7.965	168	220413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	402670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	131166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128279	40.554	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	81.100%		
35) Dibromofluoromethane	7.904	113	118179	44.976	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	89.960%		
50) Toluene-d8	10.331	98	479586	49.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.617	95	149318	41.495	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	83.000%		
Target Compounds					Qvalue	
16) Acetone	4.173	43	107033	136.899	ug/l	90
17) Carbon Disulfide	4.429	76	18414	2.620	ug/l #	94
25) 2-Butanone	7.203	43	50078	49.234	ug/l #	85
31) Cyclohexane	7.978	56	1470482	326.490	ug/l	97
39) Methylcyclohexane	9.343	83	4389485	927.882	ug/l	98
52) Toluene	10.392	92	62448	8.670	ug/l	99
67) Ethyl Benzene	11.733	91	79115	5.815	ug/l	95
68) m/p-Xylenes	11.837	106	235330	44.997	ug/l	98
69) o-Xylene	12.166	106	48990	10.117	ug/l	98
73) Isopropylbenzene	12.465	105	300201	30.089	ug/l	100
78) n-propylbenzene	12.800	91	465595	38.970	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	541343	65.549	ug/l	100
83) tert-Butylbenzene	13.202	119	9523	1.346	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	1352547	161.638	ug/l	99
85) sec-Butylbenzene	13.379	105	33714m	3.175	ug/l	
86) p-Isopropyltoluene	13.495	119	60965	6.967	ug/l	100

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

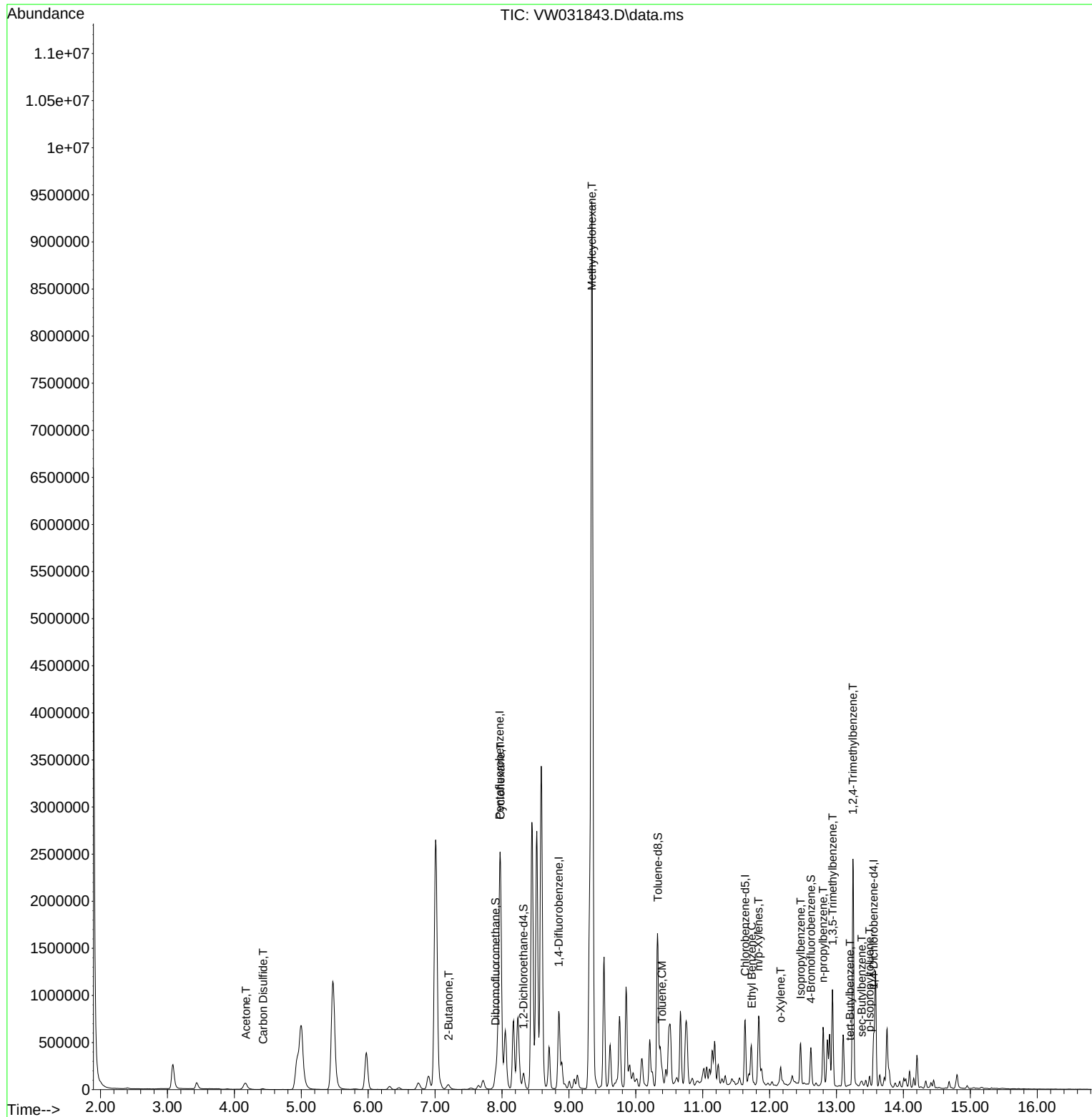
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031843.D
Acq On : 14 Jul 2025 12:22
Operator : SY/MD
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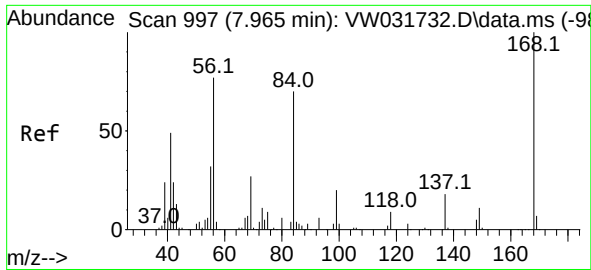
Instrument :
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ClientSampleId :
GCAP3

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Supervised By :Mahesh Dadoda 07/16/2025

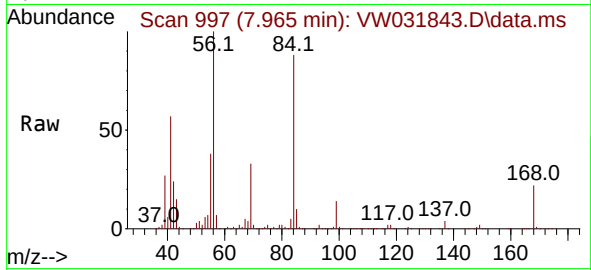
Quant Time: Jul 15 02:43:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

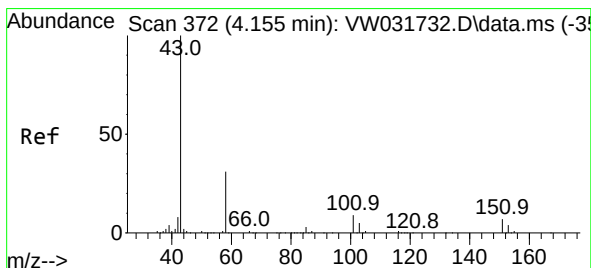
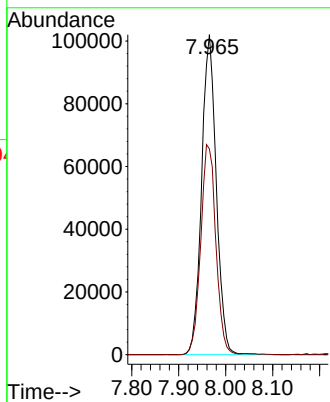
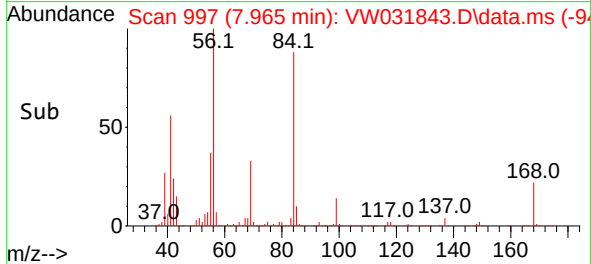
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:168 Resp: 22041
Ion Ratio Lower Upper
168 100
99 64.3 49.4 74.2

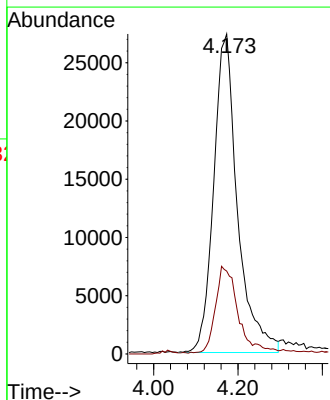
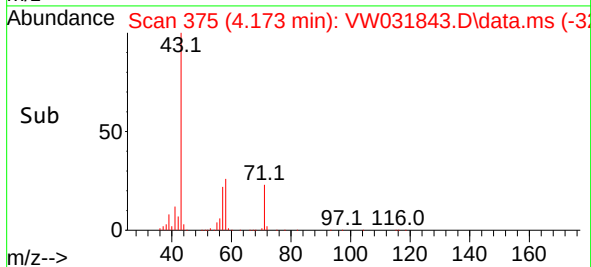
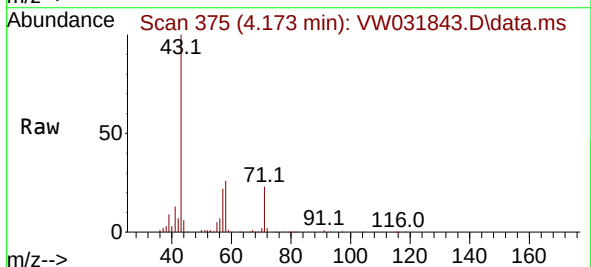
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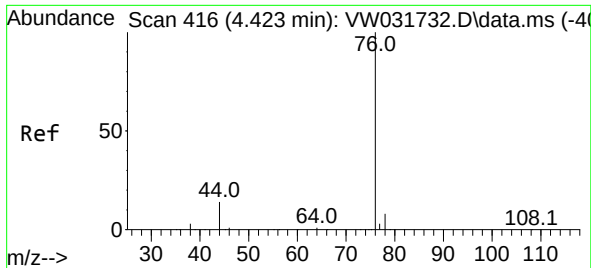
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#16
Acetone
Concen: 136.899 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

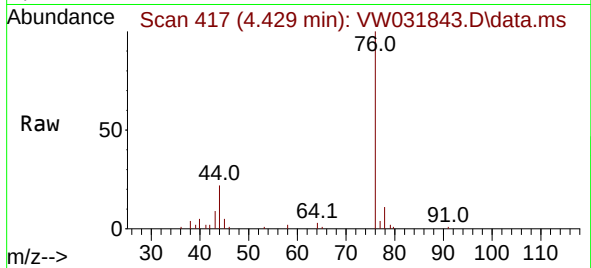
Tgt Ion: 43 Resp: 107033
Ion Ratio Lower Upper
43 100
58 25.7 24.8 37.2





#17
Carbon Disulfide
Concen: 2.620 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

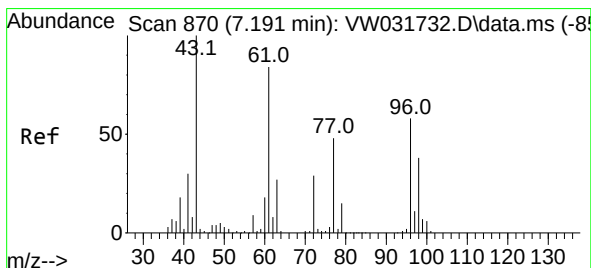
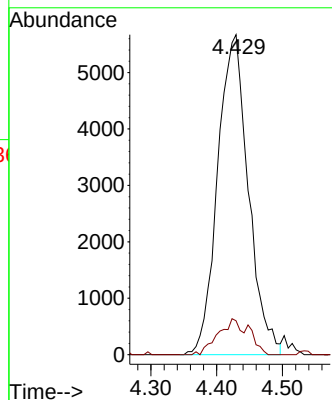
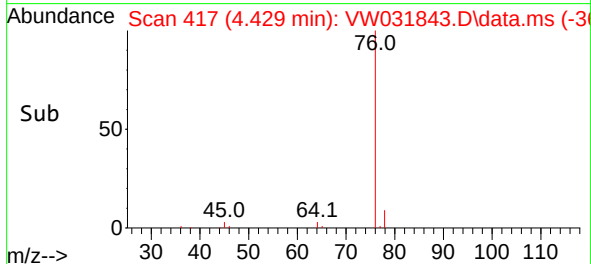
Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 76 Resp: 18414
Ion Ratio Lower Upper
76 100
78 10.6 6.6 10.0

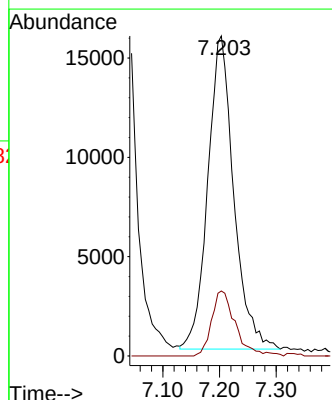
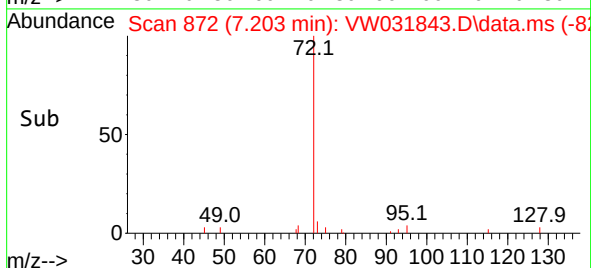
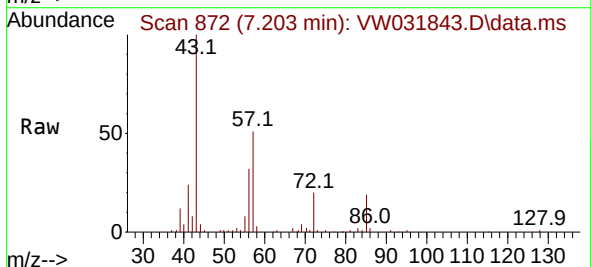
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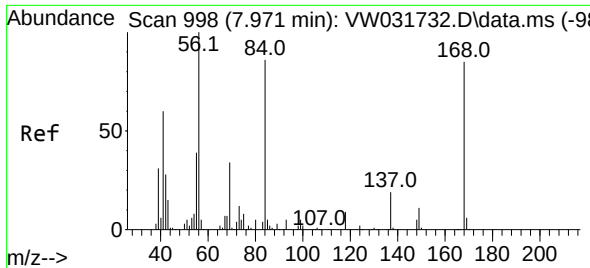
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#25
2-Butanone
Concen: 49.234 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.013 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

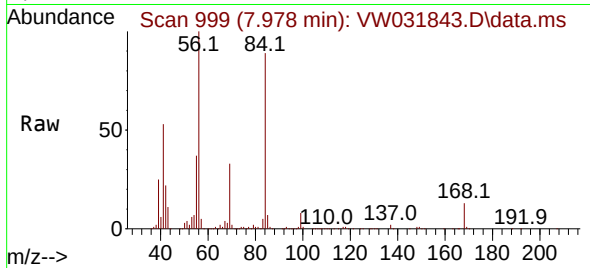
Tgt Ion: 43 Resp: 50078
Ion Ratio Lower Upper
43 100
72 20.7 23.0 34.6





#31
Cyclohexane
Concen: 326.490 ug/l
RT: 7.978 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

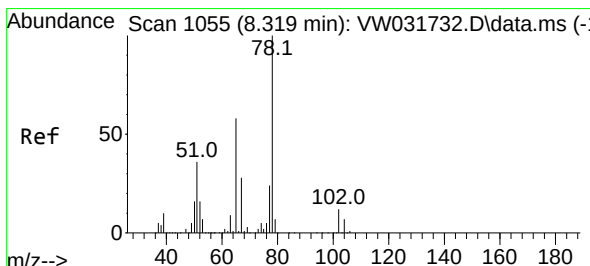
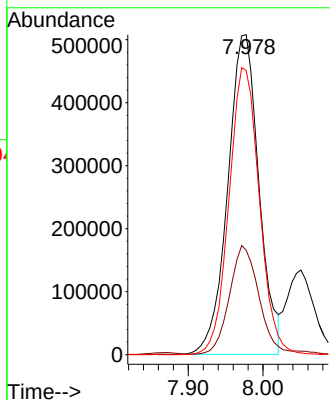
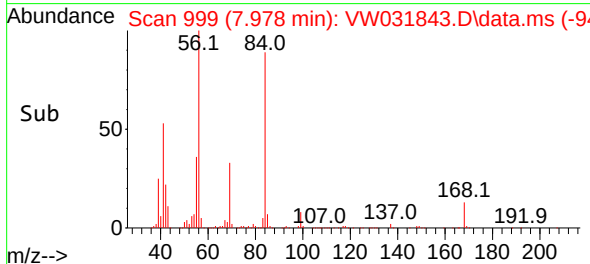
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 56 Resp: 147048
Ion Ratio Lower Upper
56 100
69 32.3 27.2 40.8
84 88.9 68.5 102.7

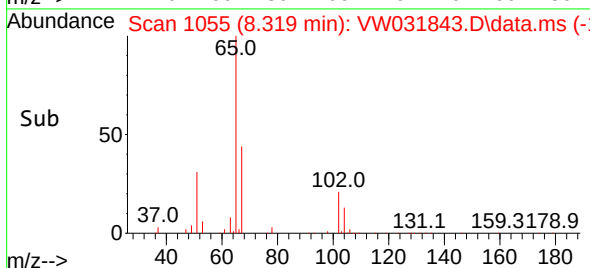
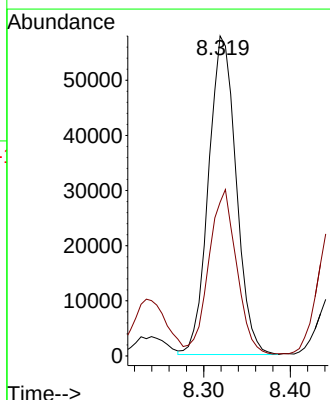
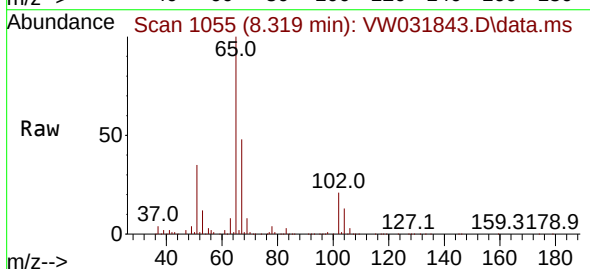
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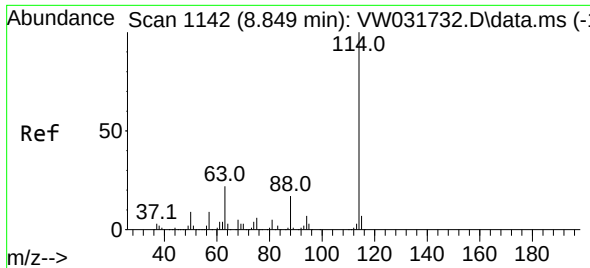
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#33
1,2-Dichloroethane-d4
Concen: 40.554 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

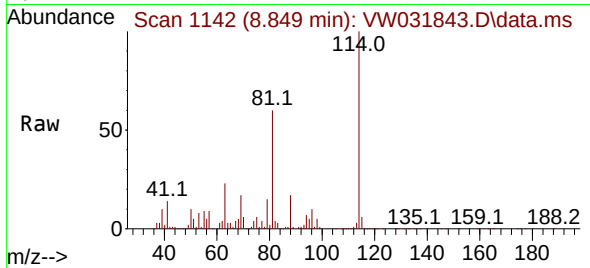
Tgt Ion: 65 Resp: 128279
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

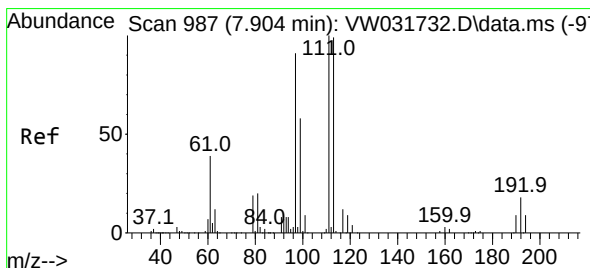
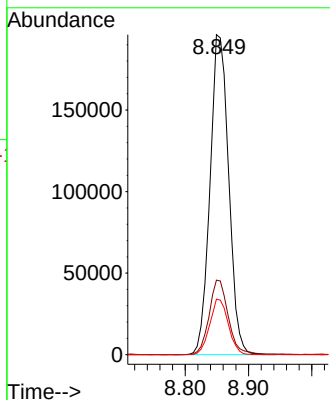
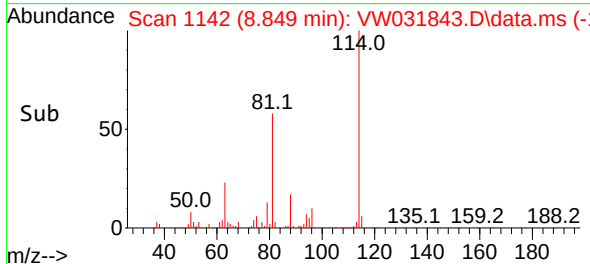
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:114 Resp: 402670
Ion Ratio Lower Upper
114 100
63 23.3 0.0 43.6
88 17.4 0.0 34.2

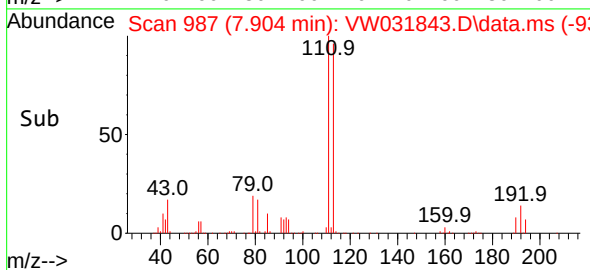
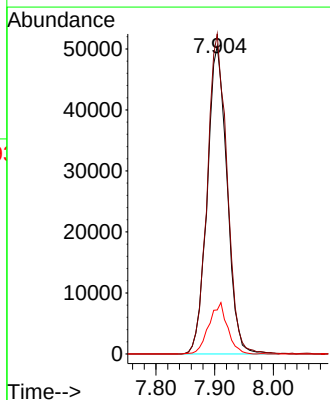
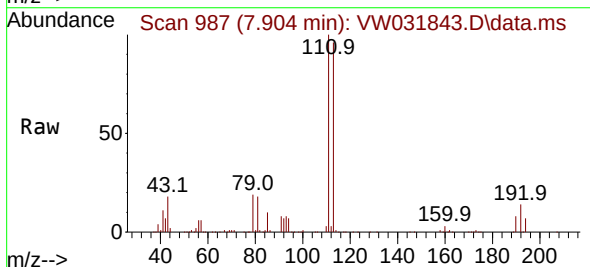
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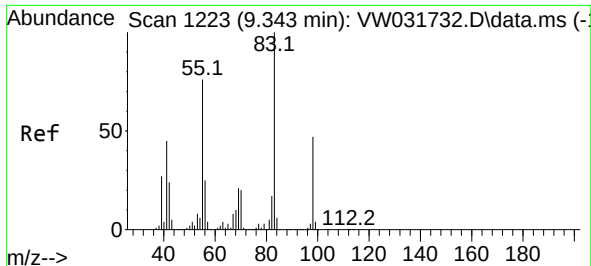
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#35
Dibromofluoromethane
Concen: 44.976 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

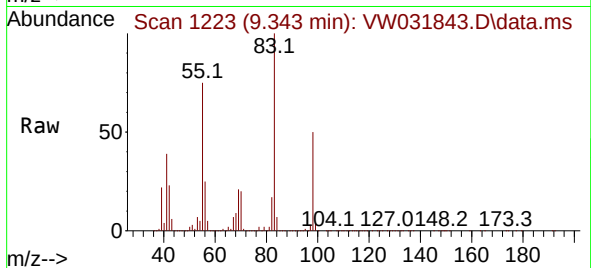
Tgt Ion:113 Resp: 118179
Ion Ratio Lower Upper
113 100
111 103.8 82.1 123.1
192 15.7 13.8 20.6





#39
Methylcyclohexane
Concen: 927.882 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

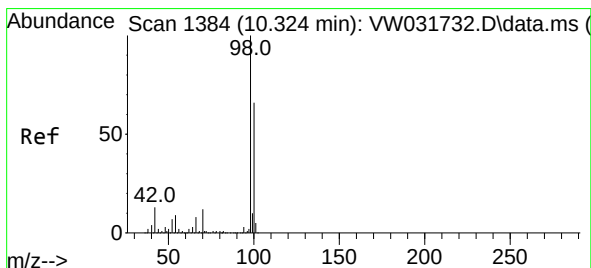
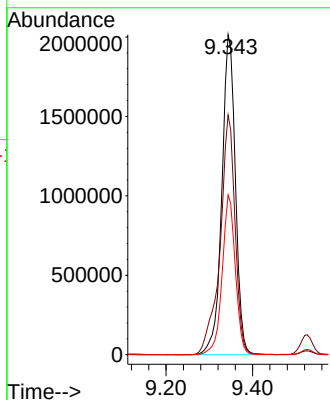
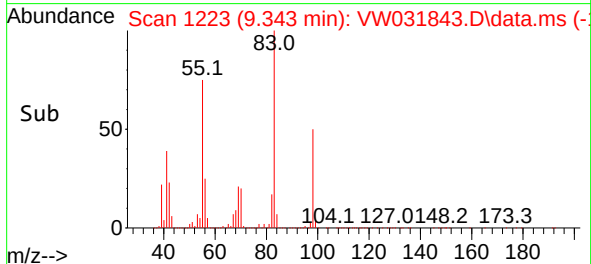
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 83 Resp: 438948
Ion Ratio Lower Upper
83 100
55 74.9 61.0 91.4
98 49.9 37.9 56.9

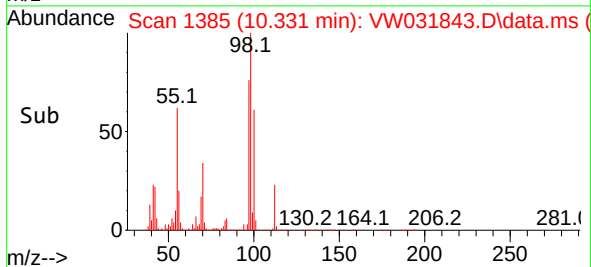
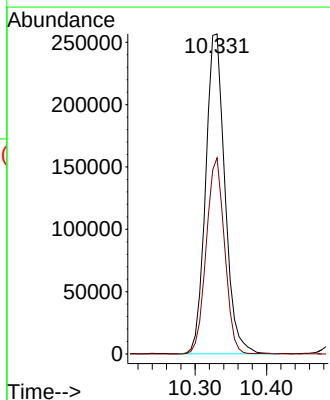
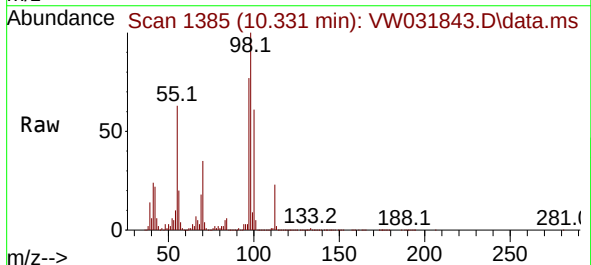
Manual Integrations
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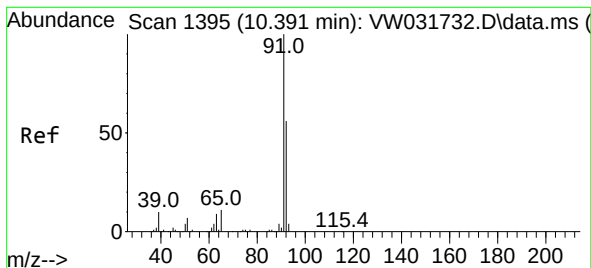
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#50
Toluene-d8
Concen: 49.046 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

Tgt Ion: 98 Resp: 479586
Ion Ratio Lower Upper
98 100
100 58.3 53.0 79.4





#52

Toluene

Concen: 8.670 ug/l

RT: 10.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031843.D

Acq: 14 Jul 2025 12:22

Instrument :

MSVOA_W

ClientSampleId :

GCAP3

Tgt Ion: 92 Resp: 6244

Ion Ratio Lower Upper

92 100

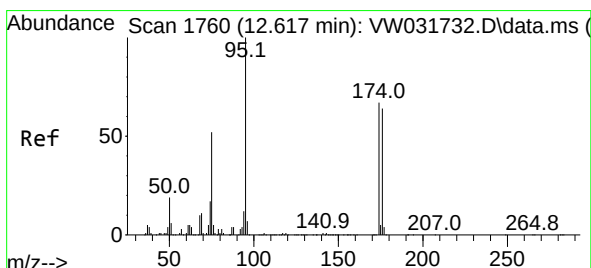
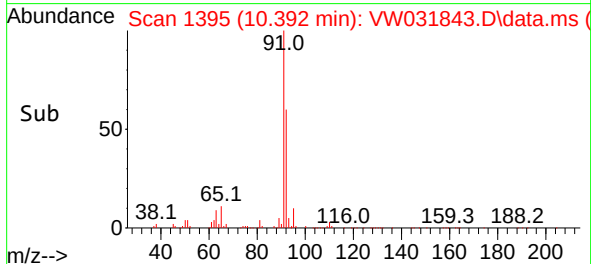
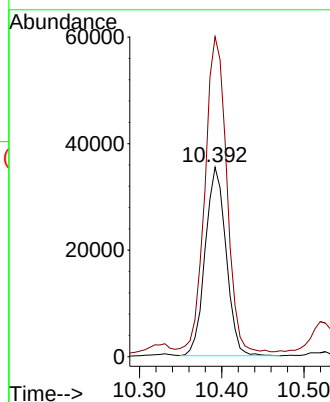
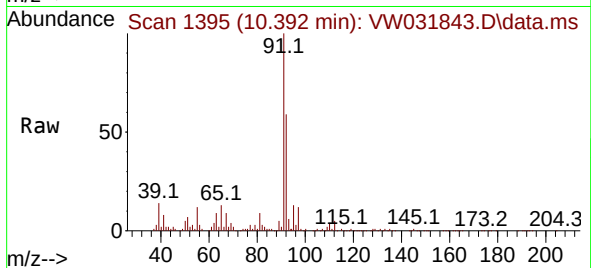
91 173.7 139.5 209.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#62

4-Bromofluorobenzene

Concen: 41.495 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031843.D

Acq: 14 Jul 2025 12:22

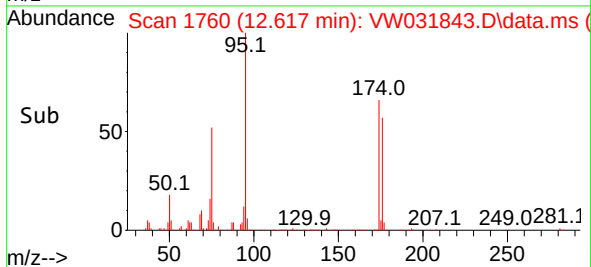
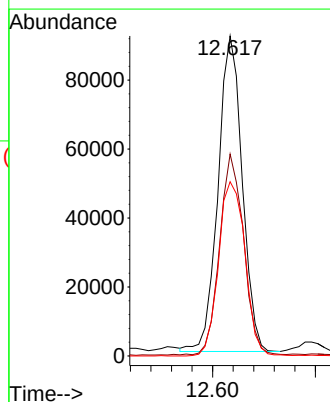
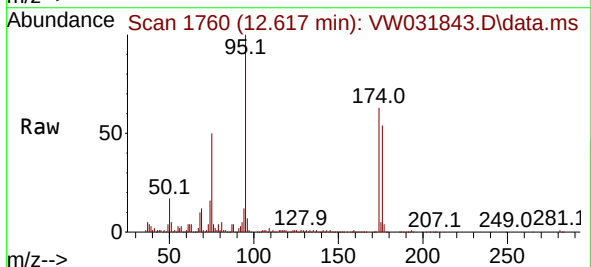
Tgt Ion: 95 Resp: 149318

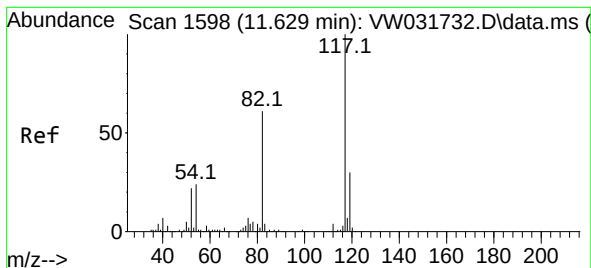
Ion Ratio Lower Upper

95 100

174 63.3 0.0 133.8

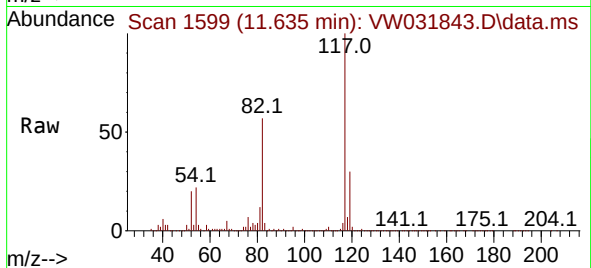
176 60.4 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

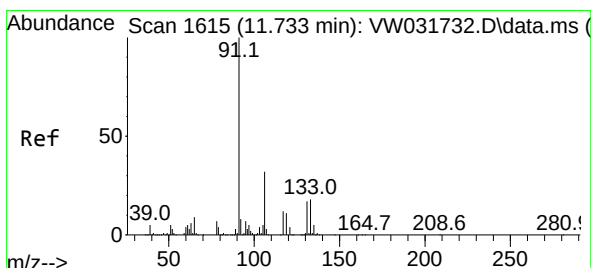
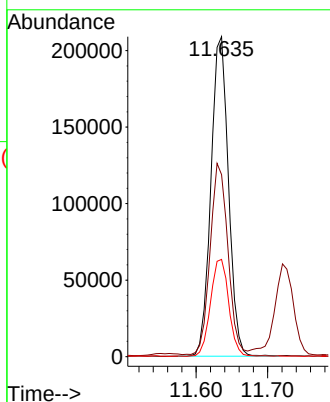
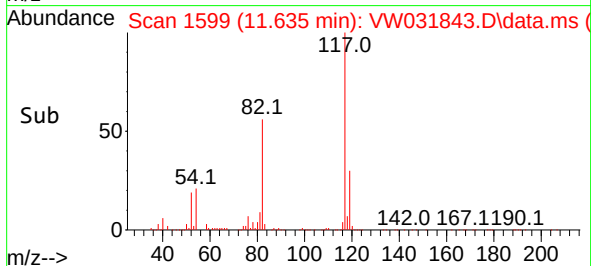
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:117 Resp: 355600
Ion Ratio Lower Upper
117 100
82 56.1 48.6 72.8
119 30.2 23.9 35.9

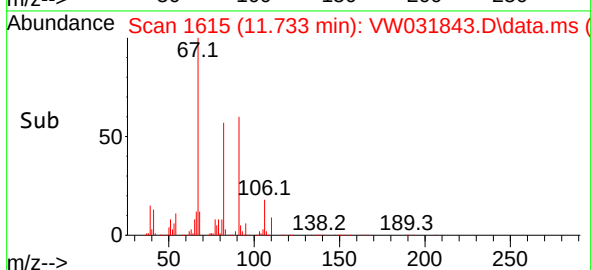
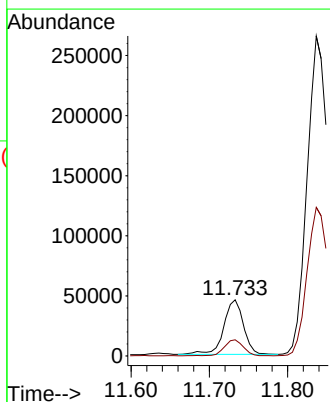
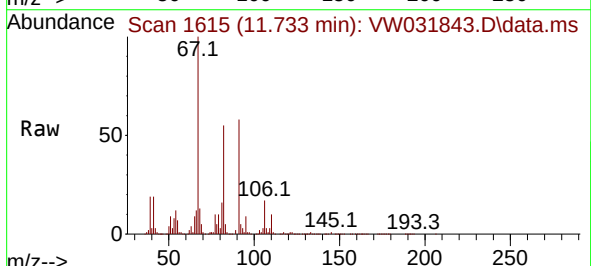
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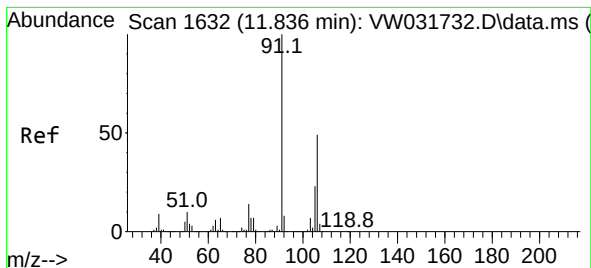
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#67
Ethyl Benzene
Concen: 5.815 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

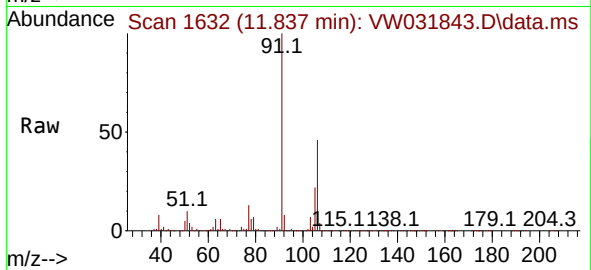
Tgt Ion: 91 Resp: 79115
Ion Ratio Lower Upper
91 100
106 29.3 25.4 38.2





#68
m/p-Xylenes
Concen: 44.997 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

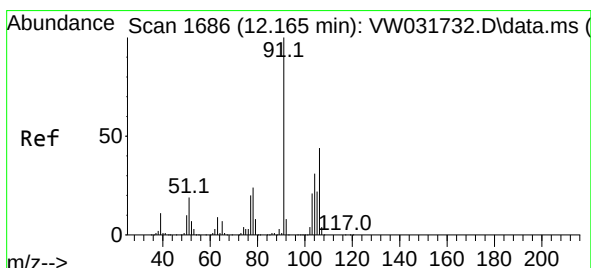
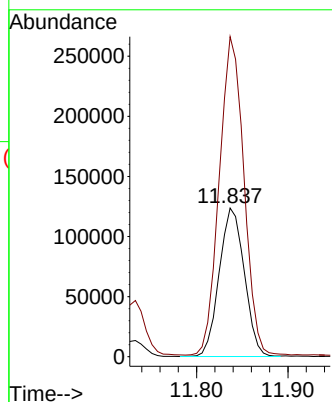
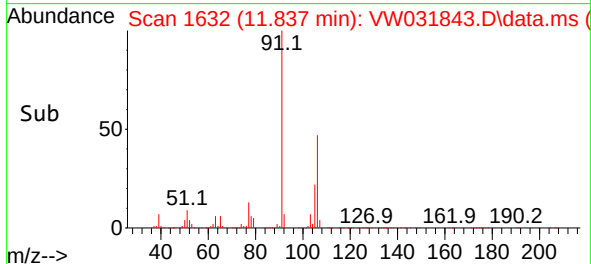
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



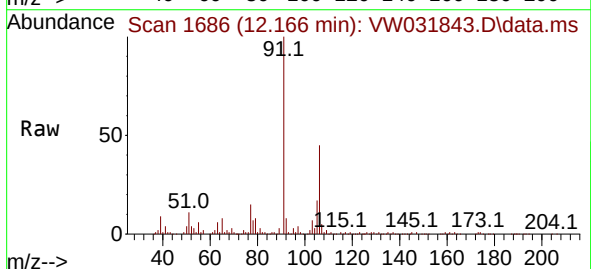
Tgt Ion:106 Resp: 235330
Ion Ratio Lower Upper
106 100
91 210.9 166.4 249.6

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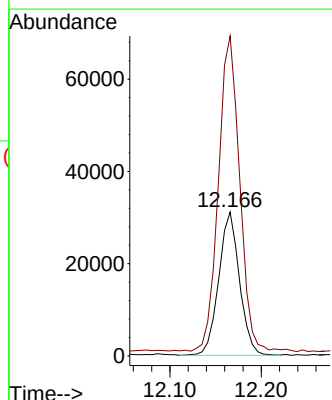
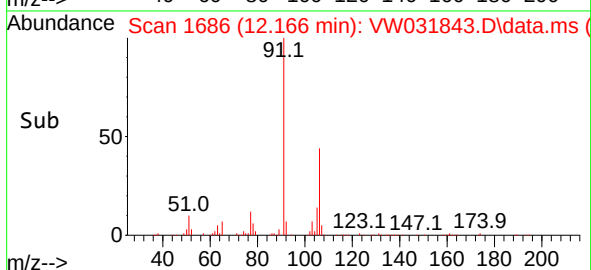
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

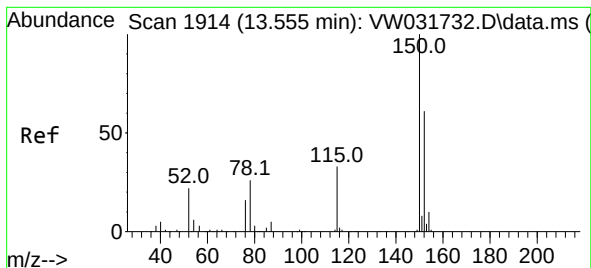


#69
o-Xylene
Concen: 10.117 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22



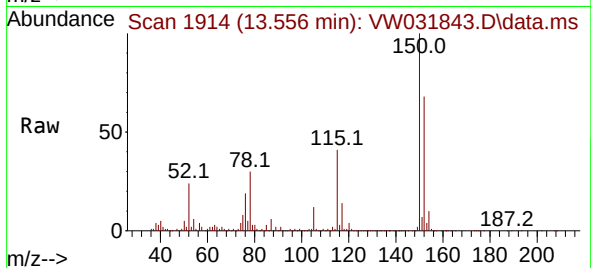
Tgt Ion:106 Resp: 48990
Ion Ratio Lower Upper
106 100
91 226.7 111.5 334.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

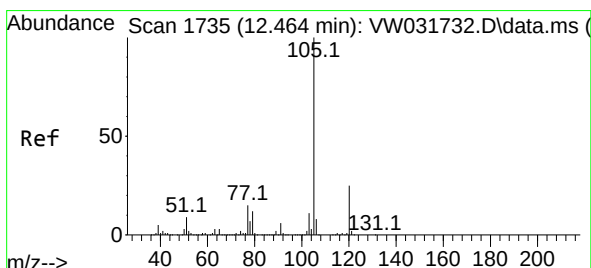
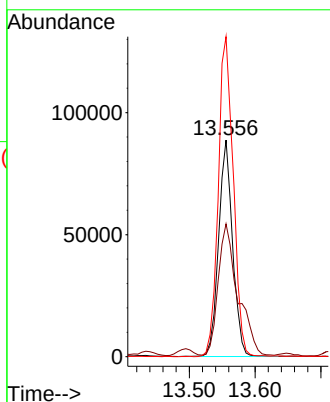
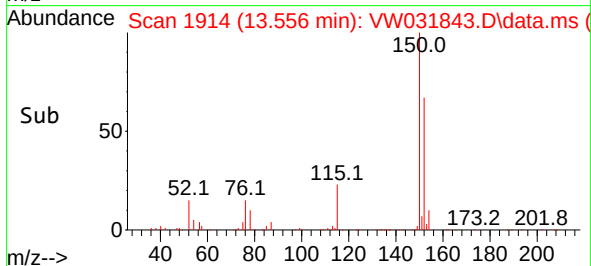
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



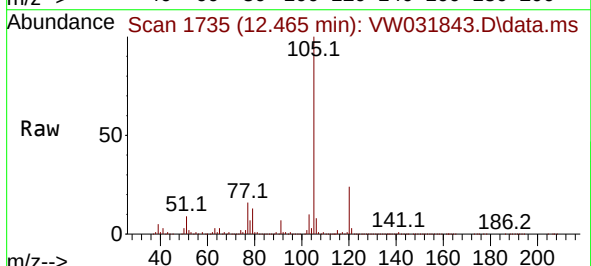
Tgt Ion:152 Resp: 131160
Ion Ratio Lower Upper
152 100
115 84.9 31.9 95.7
150 158.6 0.0 356.4

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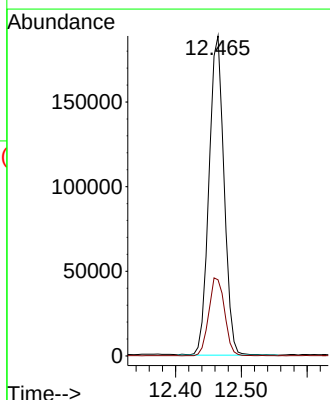
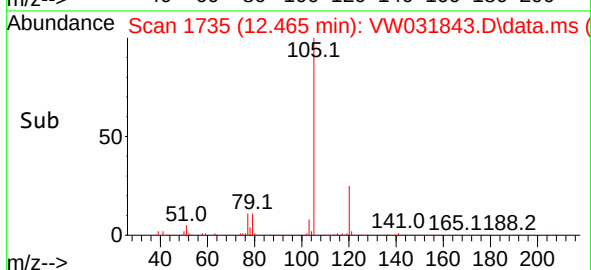
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

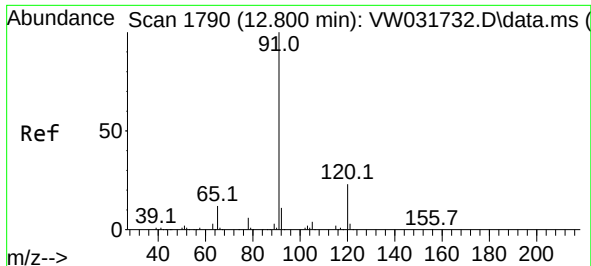


#73
Isopropylbenzene
Concen: 30.089 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22



Tgt Ion:105 Resp: 300201
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4





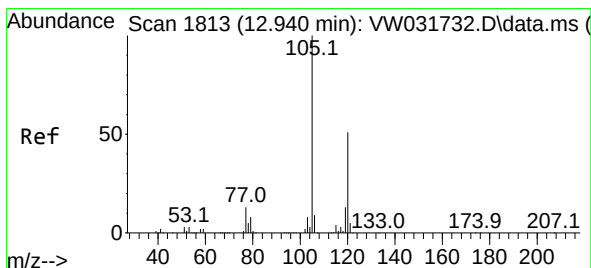
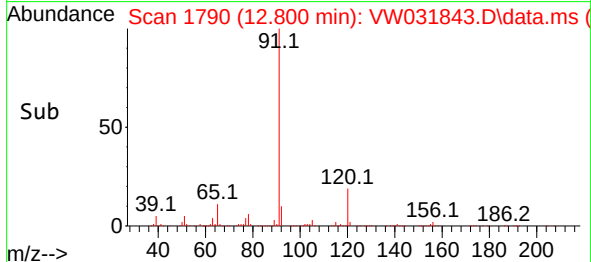
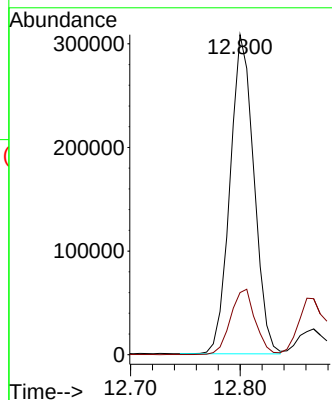
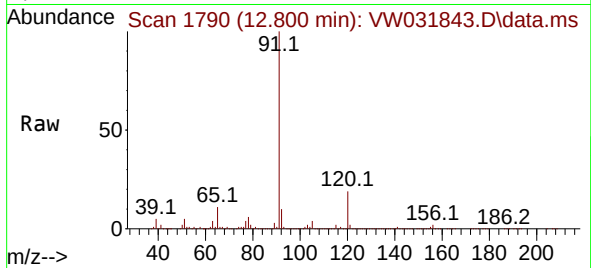
#78
n-propylbenzene
Concen: 38.970 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion: 91 Resp: 46559
Ion Ratio Lower Upper
91 100
120 21.1 11.5 34.4

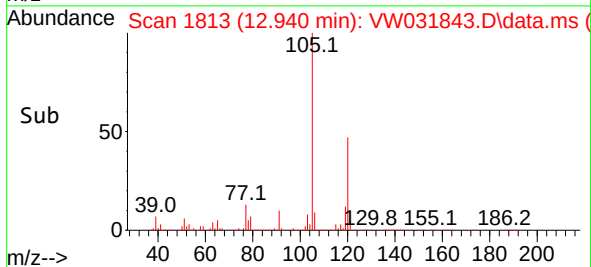
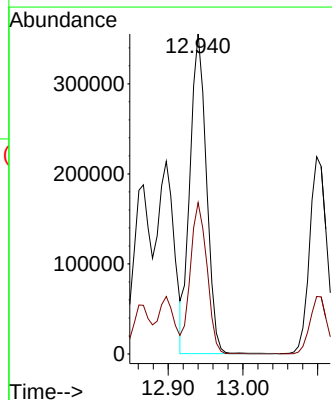
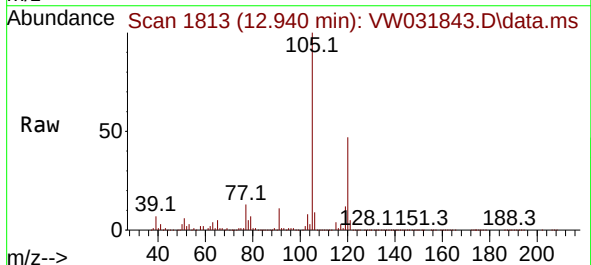
Manual Integrations
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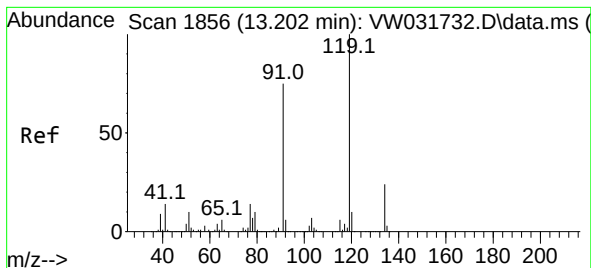
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#80
1,3,5-Trimethylbenzene
Concen: 65.549 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

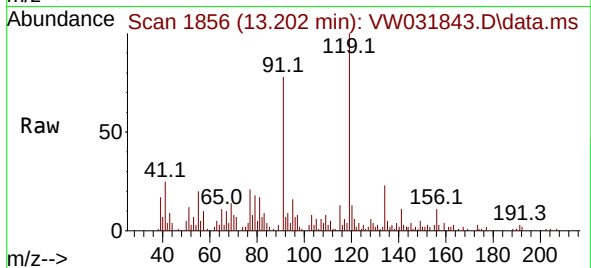
Tgt Ion:105 Resp: 541343
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.2





#83
tert-Butylbenzene
Concen: 1.346 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22

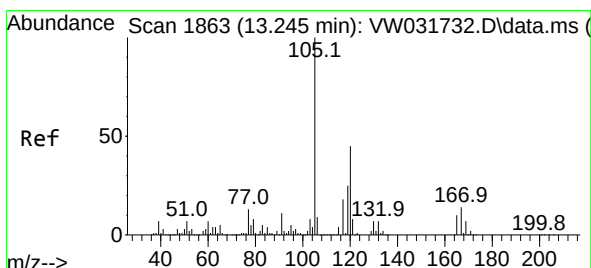
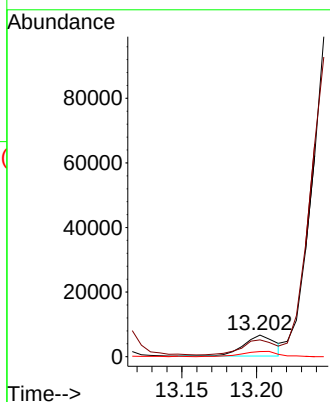
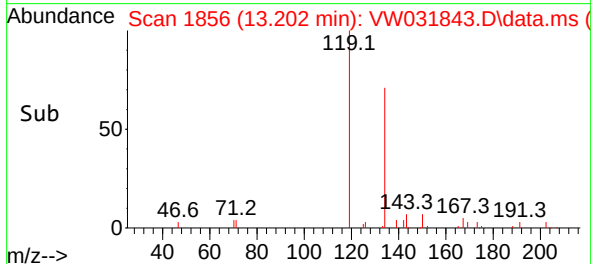
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



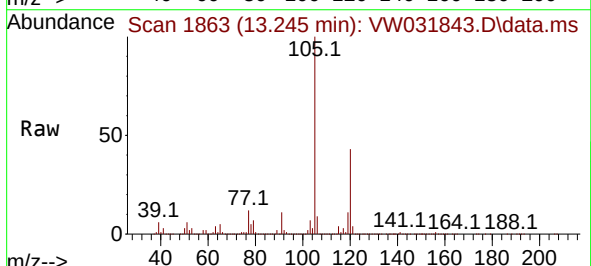
Tgt Ion:119 Resp: 952
Ion Ratio Lower Upper
119 100
91 76.0 36.0 108.1
134 28.9 12.4 37.2

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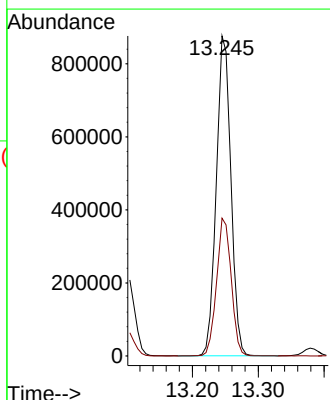
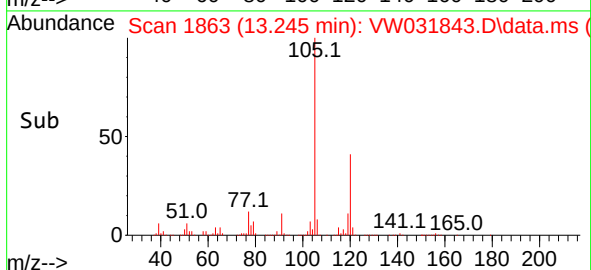
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

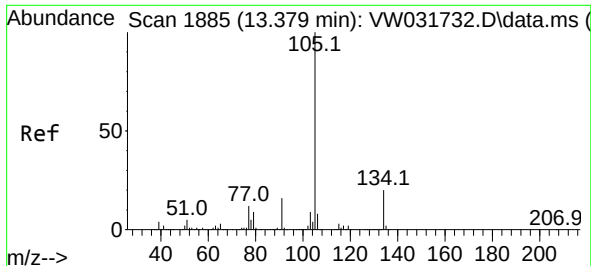


#84
1,2,4-Trimethylbenzene
Concen: 161.638 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031843.D
Acq: 14 Jul 2025 12:22



Tgt Ion:105 Resp: 1352547
Ion Ratio Lower Upper
105 100
120 43.3 22.1 66.1





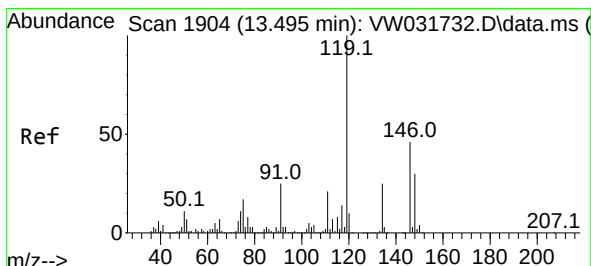
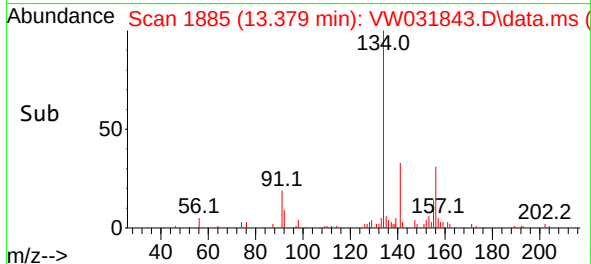
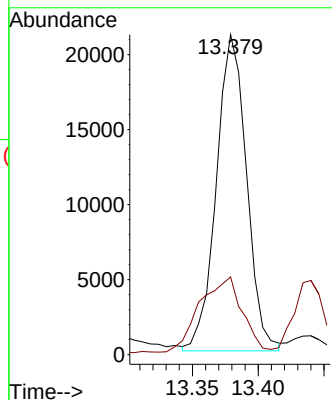
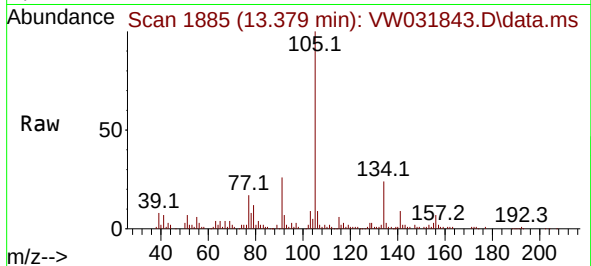
#85
 sec-Butylbenzene
 Concen: 3.175 ug/l m
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW031843.D
 Acq: 14 Jul 2025 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

Tgt Ion:105 Resp: 33714
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8

Manual Integrations
 APPROVED

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



#86
 p-Isopropyltoluene
 Concen: 6.967 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031843.D
 Acq: 14 Jul 2025 12:22

Tgt Ion:119 Resp: 60965
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 25.4 12.7 38.0

