

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031841.D
 Acq On : 14 Jul 2025 11:38
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 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 04:17:09 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	198013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	323667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	116915	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125286	44.088	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	88.180%		
35) Dibromofluoromethane	7.904	113	117378	47.563	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.120%		
50) Toluene-d8	10.331	98	472486	51.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	102.900%		
62) 4-Bromofluorobenzene	12.617	95	134818	39.891	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	79.780%		
Target Compounds						Qvalue
16) Acetone	4.161	43	149166	212.371	ug/l #	86
17) Carbon Disulfide	4.429	76	29177	4.621	ug/l	97
25) 2-Butanone	7.197	43	67189	73.529	ug/l #	83
31) Cyclohexane	7.978	56	3012131	744.435	ug/l	94
39) Methylcyclohexane	9.349	83	7057937	1588.537	ug/l	96
52) Toluene	10.392	92	58077	8.585	ug/l	100
67) Ethyl Benzene	11.733	91	153523	12.398	ug/l	95
68) m/p-Xylenes	11.843	106	624353	131.159	ug/l	98
69) o-Xylene	12.166	106	105452	23.926	ug/l	95
73) Isopropylbenzene	12.464	105	521961	58.692	ug/l	99
78) n-propylbenzene	12.800	91	978725	91.904	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	903463	122.731	ug/l	99
83) tert-Butylbenzene	13.202	119	12216	1.937	ug/l	92
84) 1,2,4-Trimethylbenzene	13.245	105	2453174	328.905	ug/l	98
85) sec-Butylbenzene	13.379	105	44735m	4.727	ug/l	
86) p-Isopropyltoluene	13.495	119	80598	10.333	ug/l	99
89) n-Butylbenzene	13.812	91	11864m	1.565	ug/l	
95) Naphthalene	15.360	128	7035	1.280	ug/l #	93

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

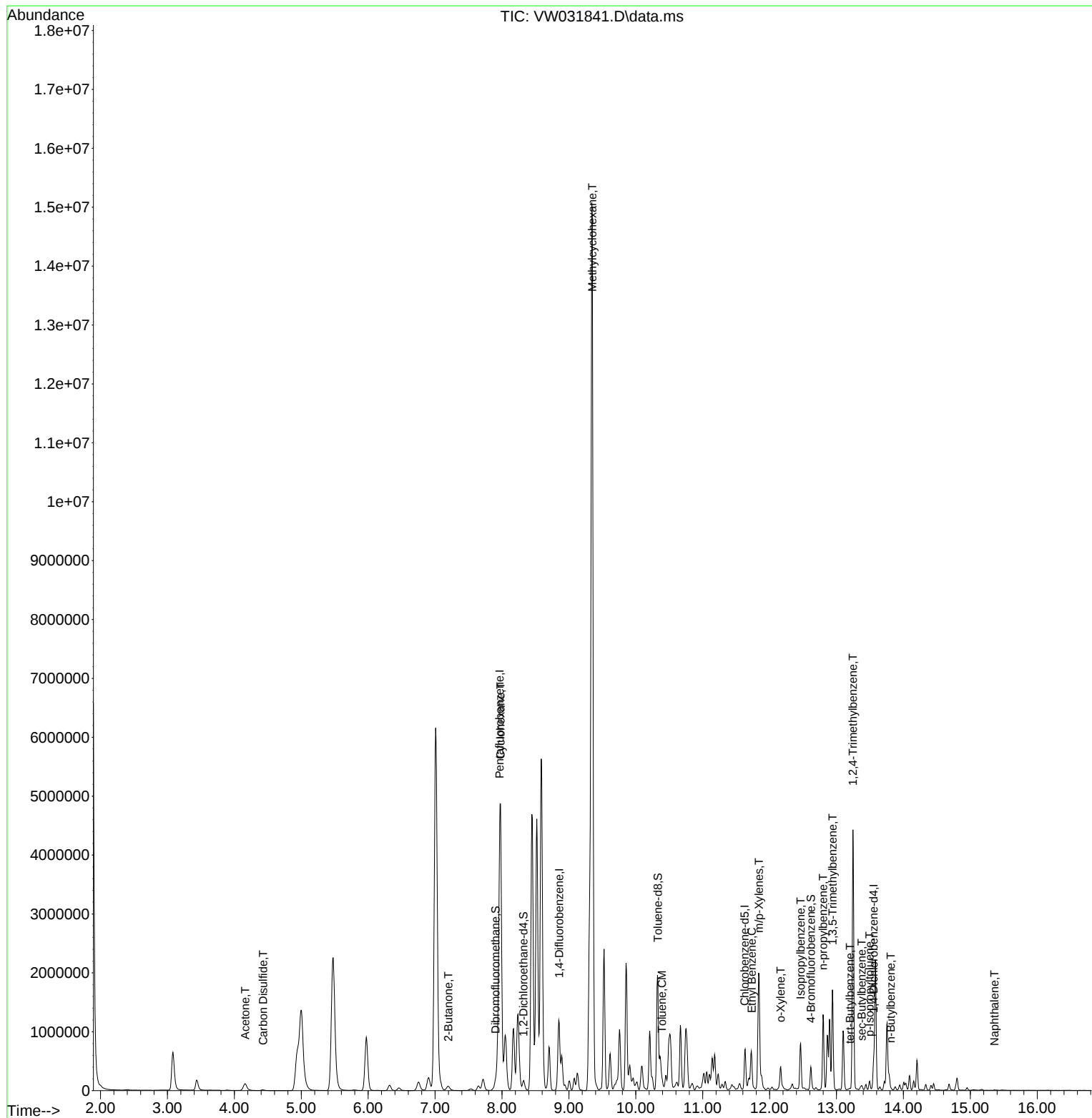
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
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Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

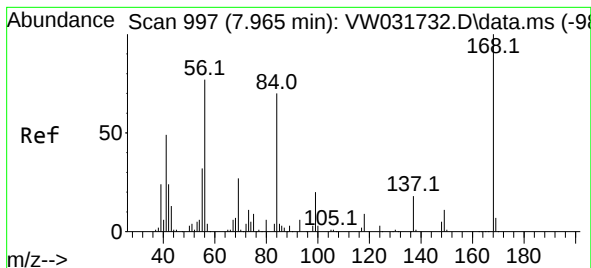
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

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

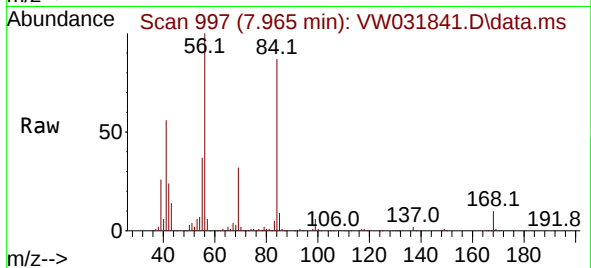
Quant Time: Jul 15 04:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

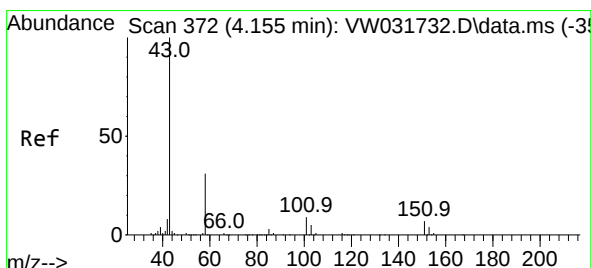
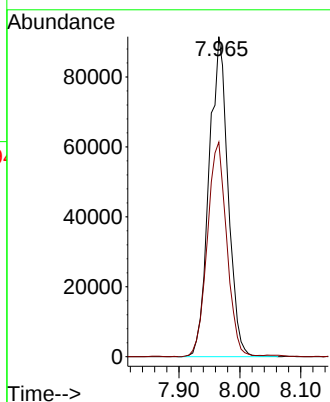
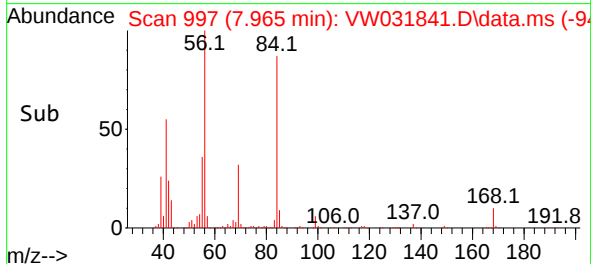
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



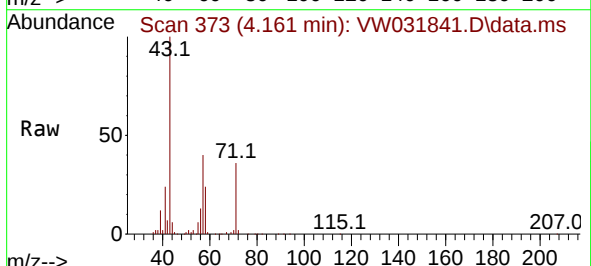
Tgt Ion:168 Resp: 19801
Ion Ratio Lower Upper
168 100
99 67.0 49.4 74.2

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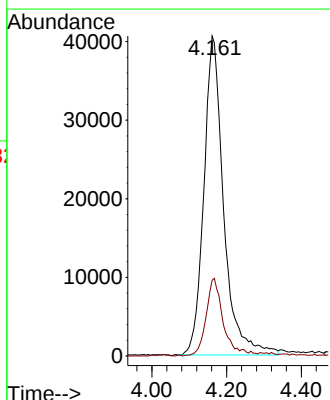
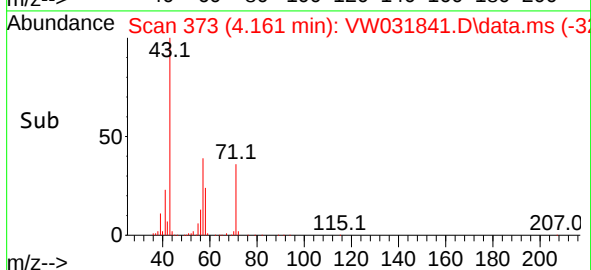
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

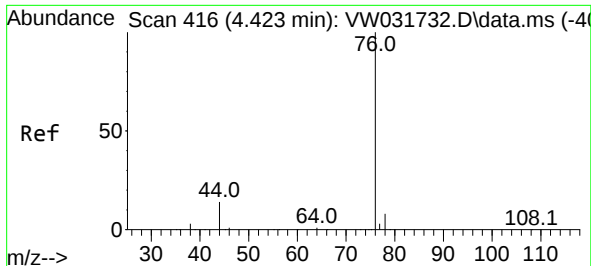


#16
Acetone
Concen: 212.371 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38



Tgt Ion: 43 Resp: 149166
Ion Ratio Lower Upper
43 100
58 23.5 24.8 37.2#





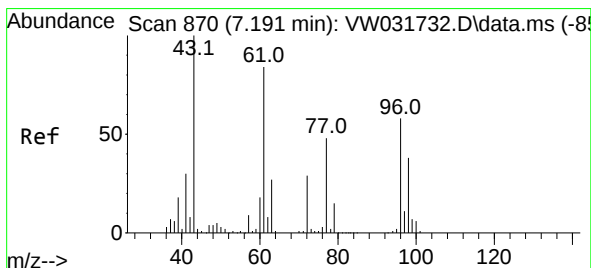
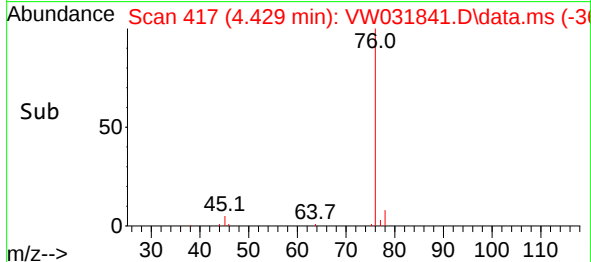
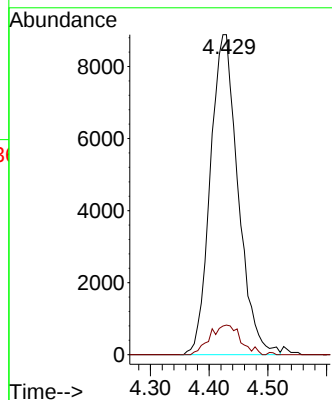
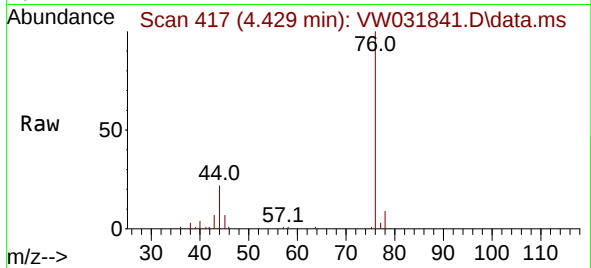
#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 76 Resp: 2917
Ion Ratio Lower Upper
76 100
78 9.3 6.6 10.0

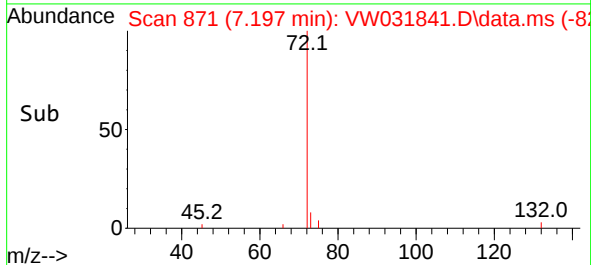
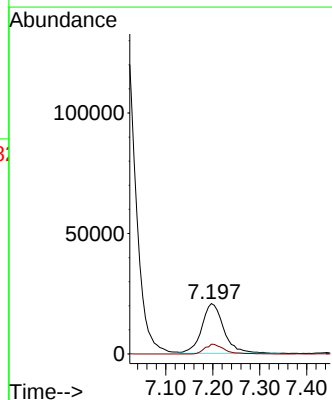
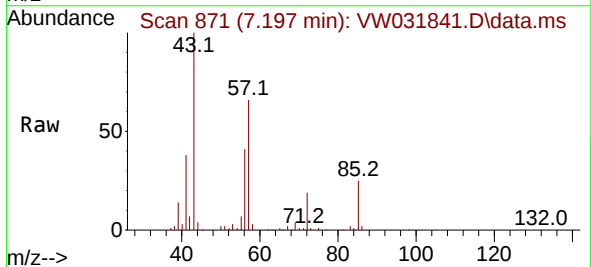
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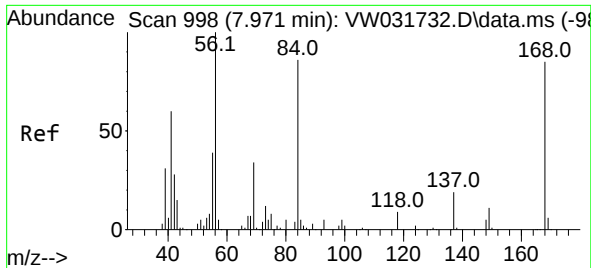
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#25
2-Butanone
Concen: 73.529 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

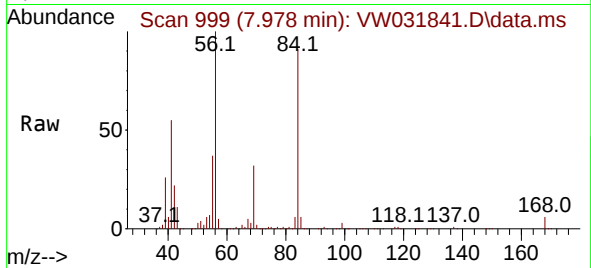
Tgt Ion: 43 Resp: 67189
Ion Ratio Lower Upper
43 100
72 19.7 23.0 34.6#





#31
Cyclohexane
Concen: 744.435 ug/l
RT: 7.978 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

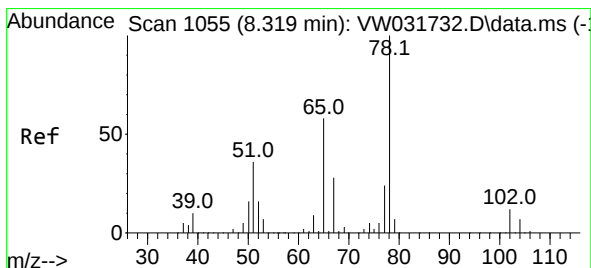
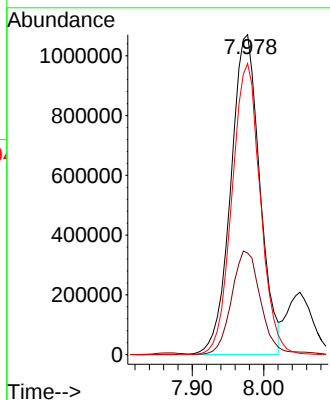
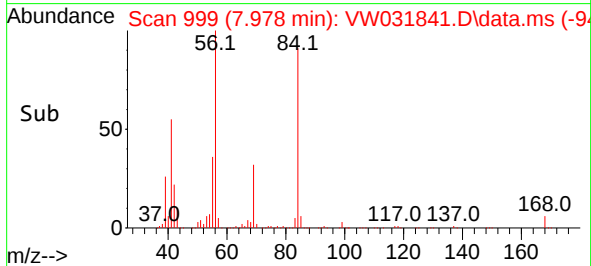
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 56 Resp: 301213
Ion Ratio Lower Upper
56 100
69 31.4 27.2 40.8
84 91.1 68.5 102.7

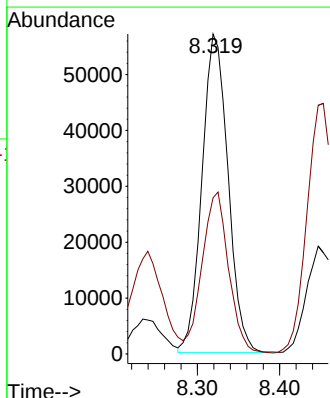
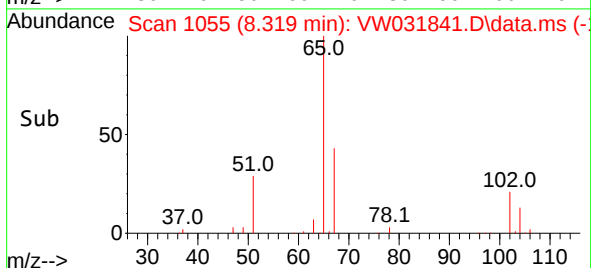
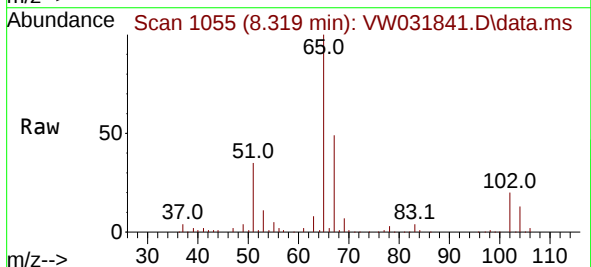
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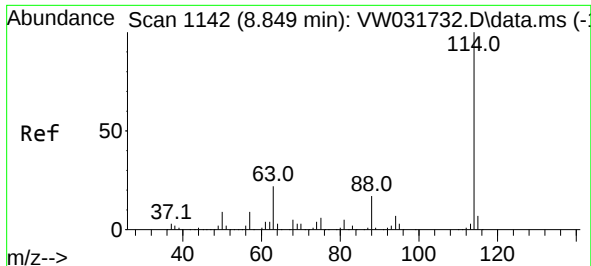
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#33
1,2-Dichloroethane-d4
Concen: 44.088 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 65 Resp: 125286
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

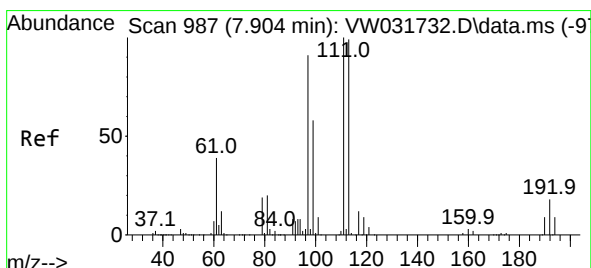
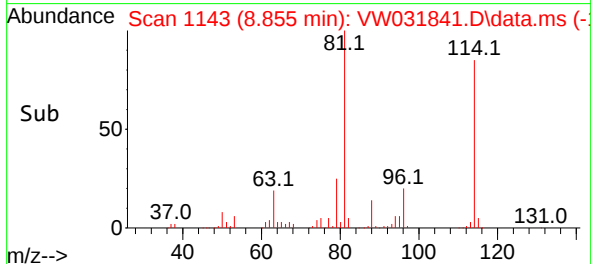
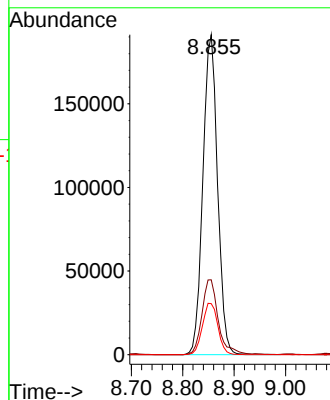
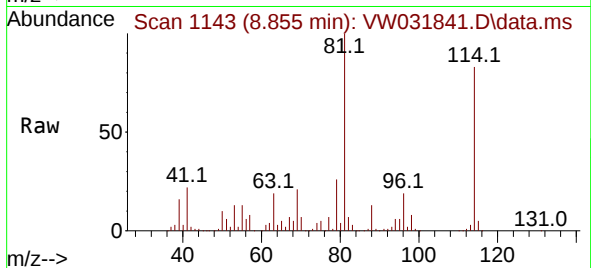
GCAP3

Tgt Ion:114	Resp:	378189
Ion Ratio	Lower	Upper
114	100	
63	23.4	0.0 43.6
88	16.0	0.0 34.2

Manual Integrations

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Supervised By :Mahesh Dadoda 07/16/2025



#35

Dibromofluoromethane

Concen: 47.563 ug/l

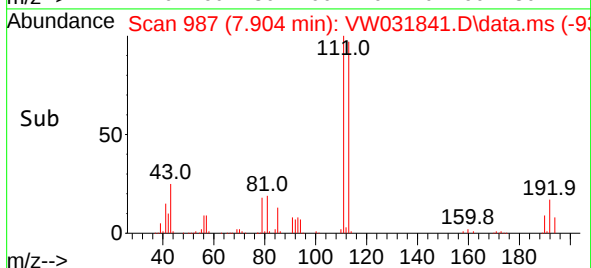
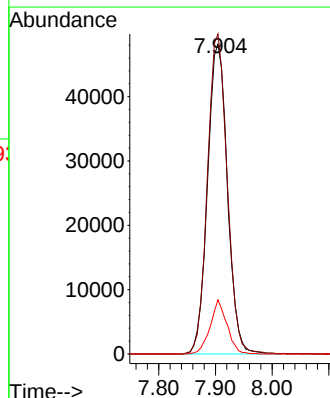
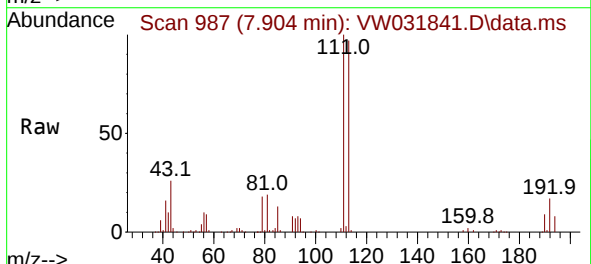
RT: 7.904 min Scan# 987

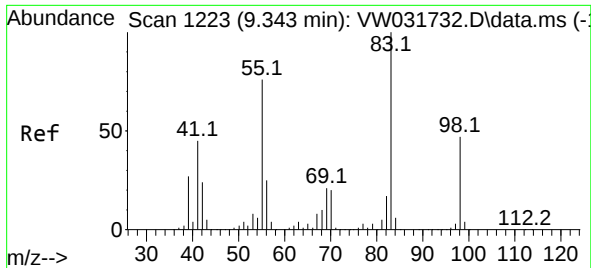
Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion:113	Resp:	117378
Ion Ratio	Lower	Upper
113	100	
111	102.3	82.1 123.1
192	14.8	13.8 20.6





#39

Methylcyclohexane

Concen: 1588.537 ug/l

RT: 9.349 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

GCAP3

Tgt Ion: 83 Resp: 705793

Ion Ratio Lower Upper

83 100

55 71.1 61.0 91.4

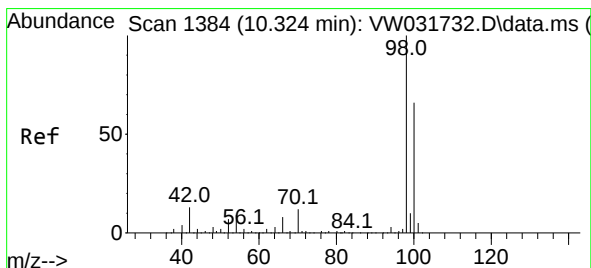
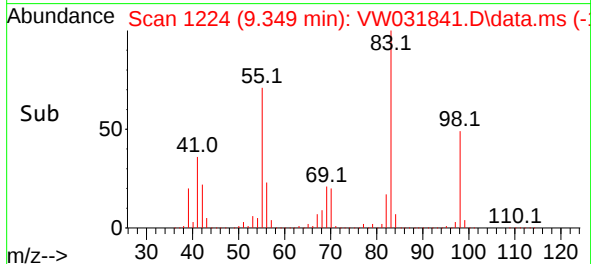
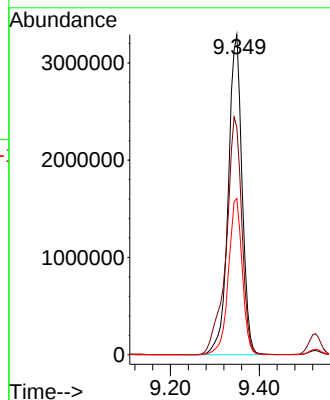
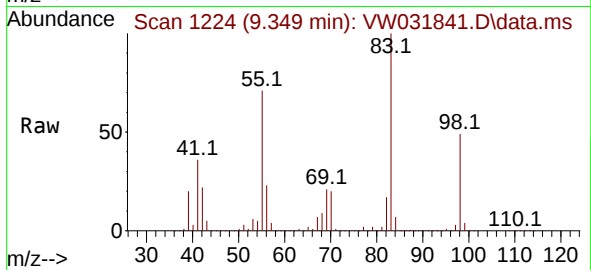
98 48.8 37.9 56.9

Manual Integrations

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Supervised By :Mahesh Dadoda 07/16/2025



#50

Toluene-d8

Concen: 51.448 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031841.D

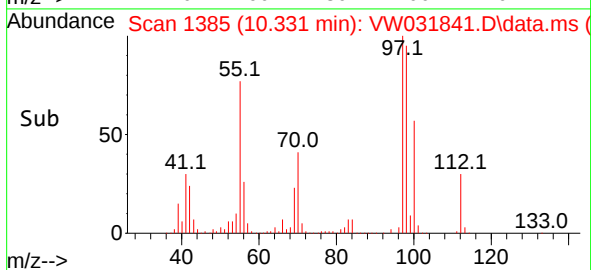
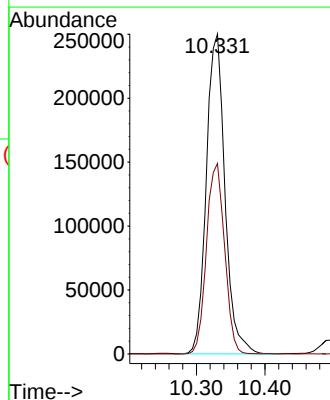
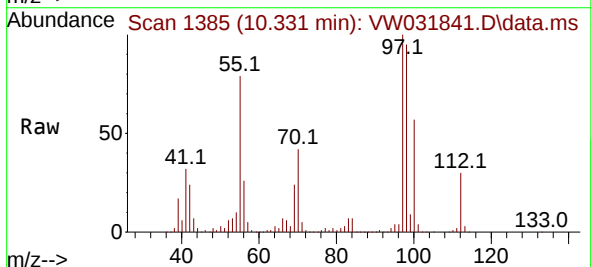
Acq: 14 Jul 2025 11:38

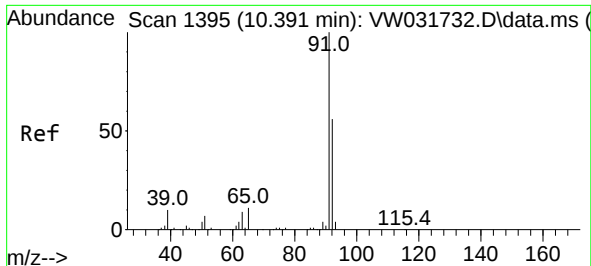
Tgt Ion: 98 Resp: 472486

Ion Ratio Lower Upper

98 100

100 57.9 53.0 79.4





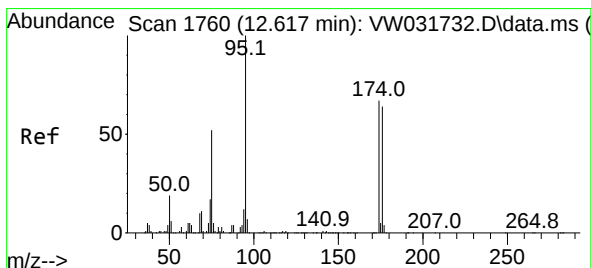
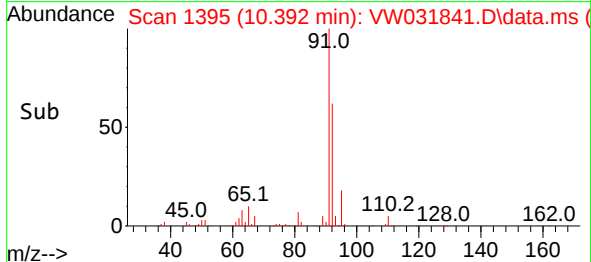
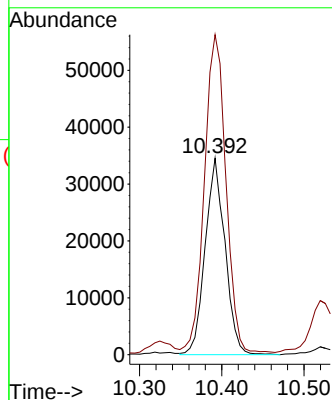
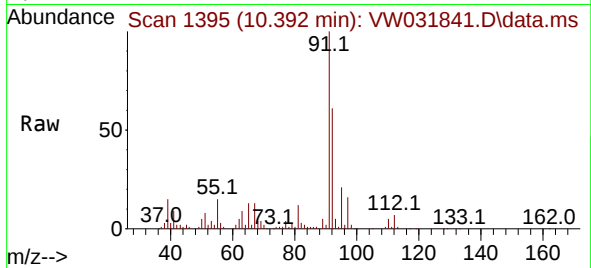
#52
Toluene
Concen: 8.585 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion: 92 Resp: 5807
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3

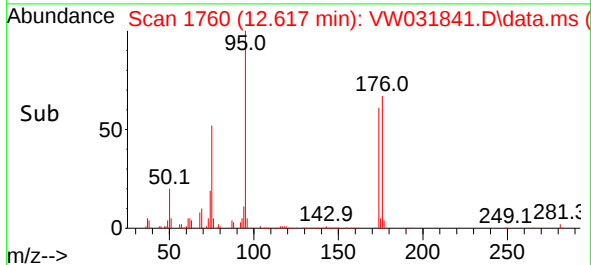
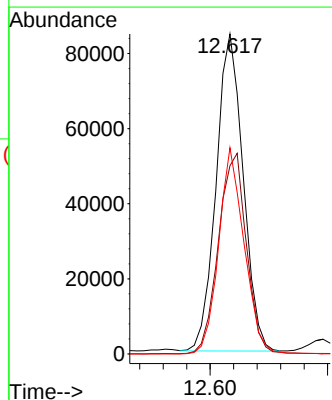
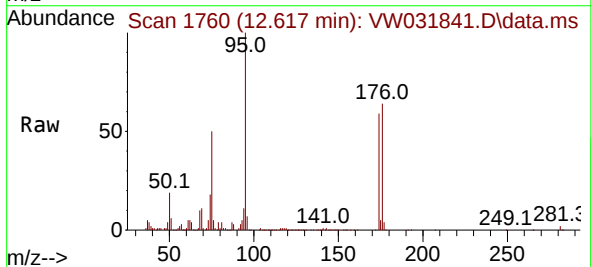
Manual Integrations
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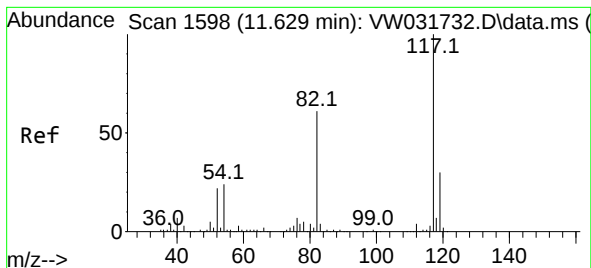
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#62
4-Bromofluorobenzene
Concen: 39.891 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

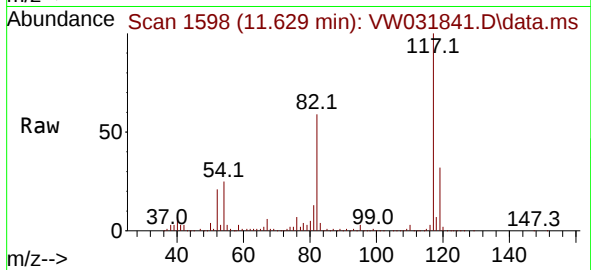
Tgt Ion: 95 Resp: 134818
Ion Ratio Lower Upper
95 100
174 66.0 0.0 133.8
176 61.4 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

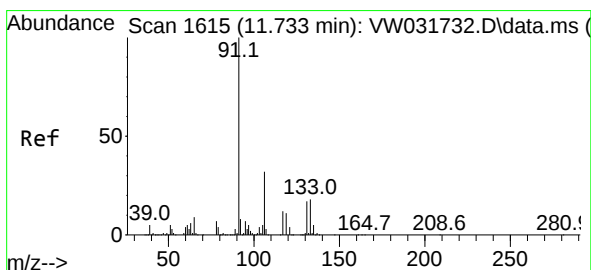
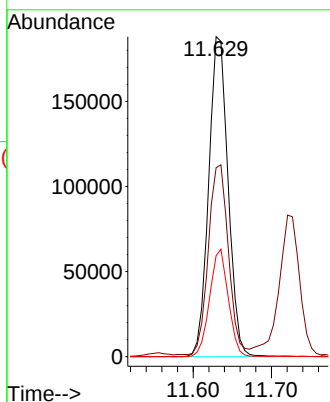
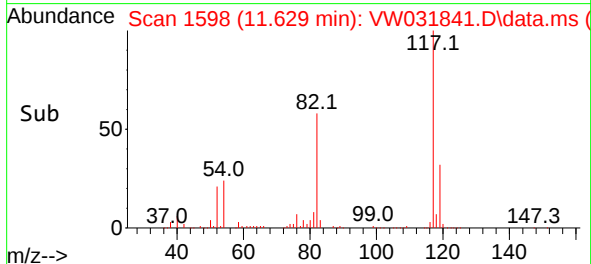
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:117 Resp: 32366
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 31.6 23.9 35.9

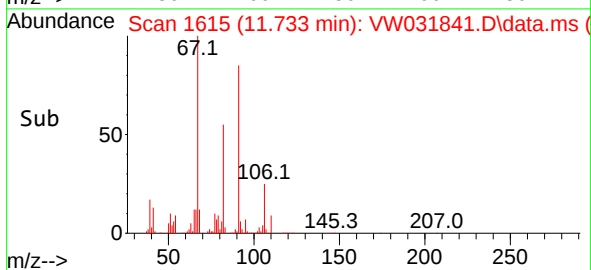
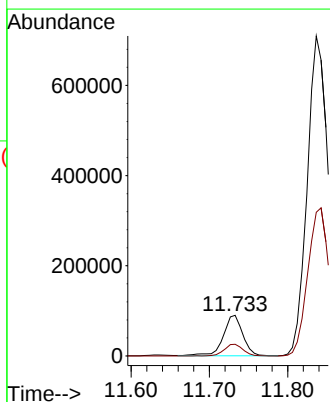
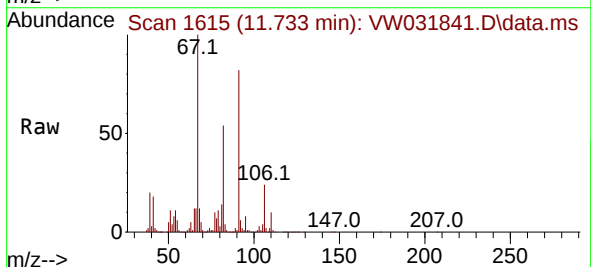
Manual Integrations
APPROVED

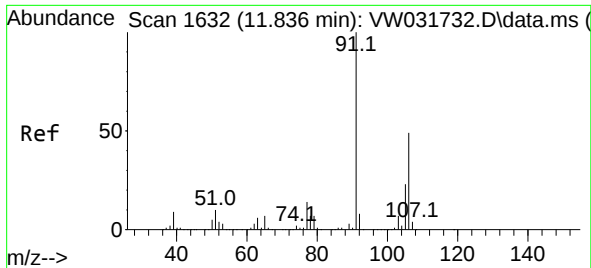
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#67
Ethyl Benzene
Concen: 12.398 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 91 Resp: 153523
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2





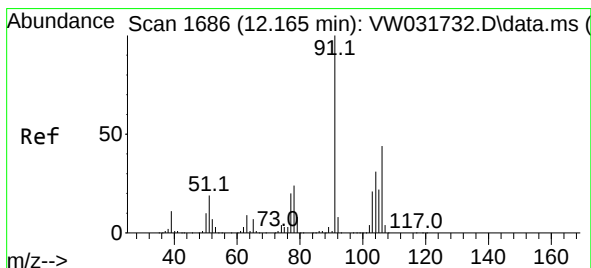
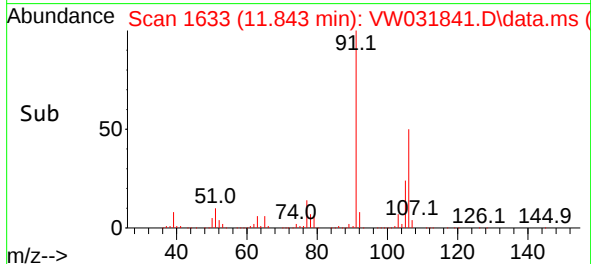
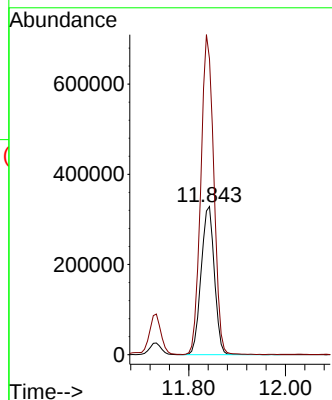
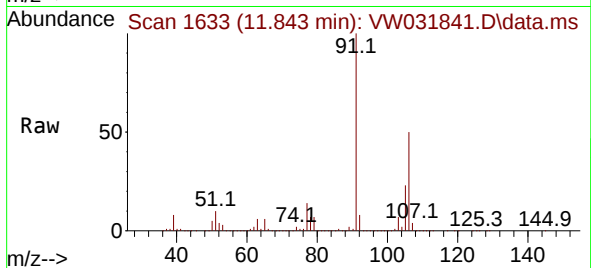
#68
m/p-Xylenes
Concen: 131.159 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion:106 Resp: 62435
Ion Ratio Lower Upper
106 100
91 211.6 166.4 249.6

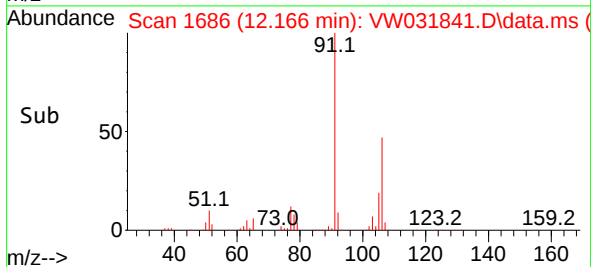
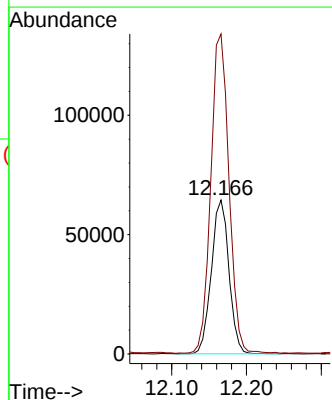
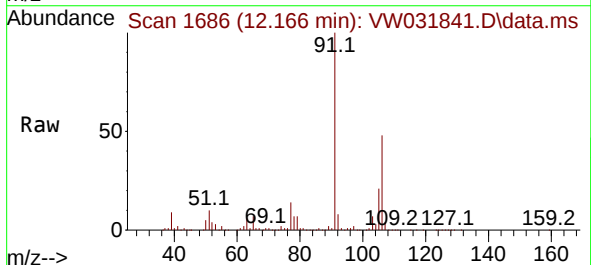
Manual Integrations
APPROVED

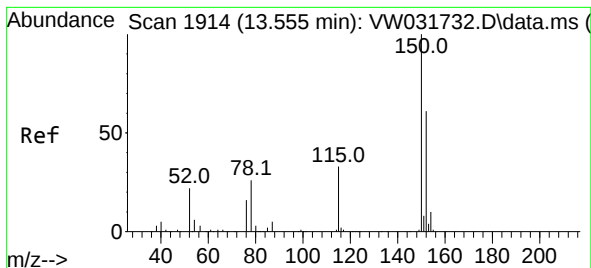
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#69
o-Xylene
Concen: 23.926 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

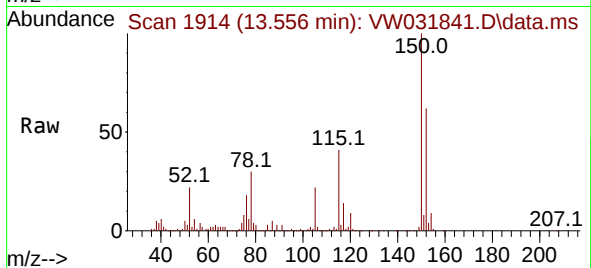
Tgt Ion:106 Resp: 105452
Ion Ratio Lower Upper
106 100
91 214.3 111.5 334.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

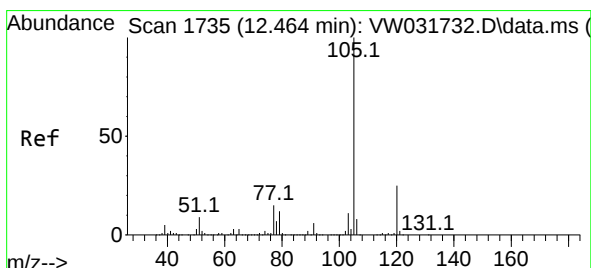
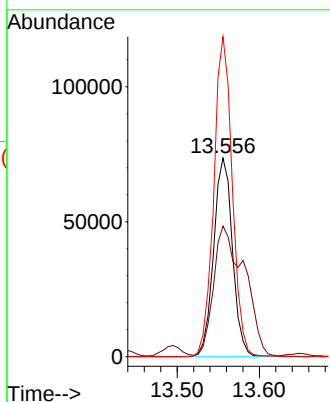
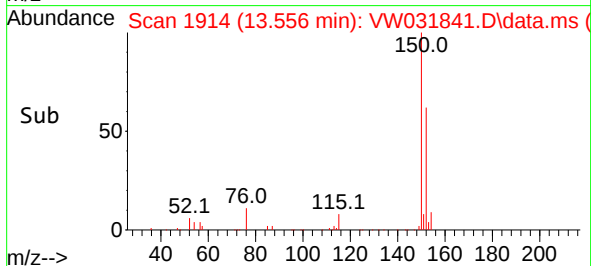
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



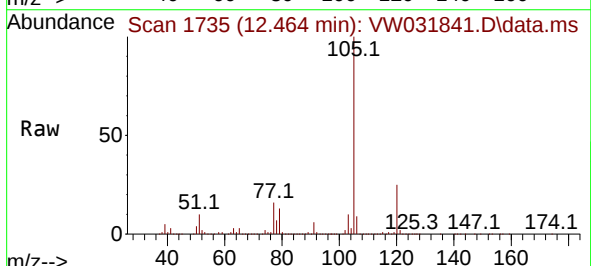
Tgt Ion:152 Resp: 116915
Ion Ratio Lower Upper
152 100
115 106.1 31.9 95.7
150 158.6 0.0 356.4

Manual Integrations
APPROVED

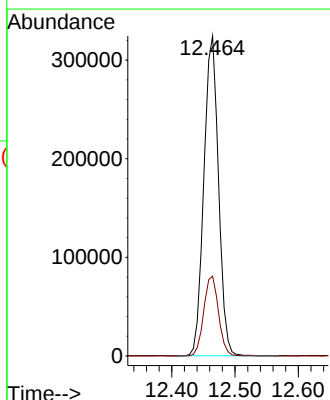
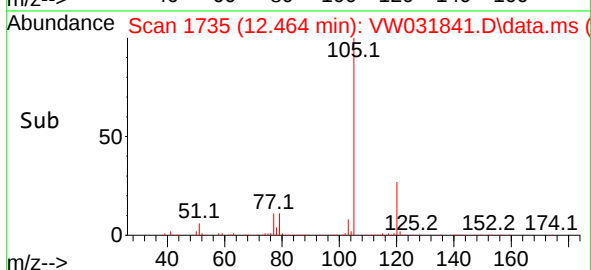
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

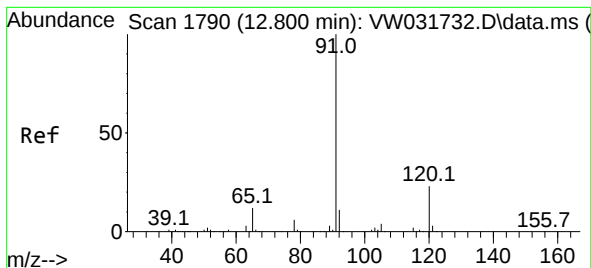


#73
Isopropylbenzene
Concen: 58.692 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38



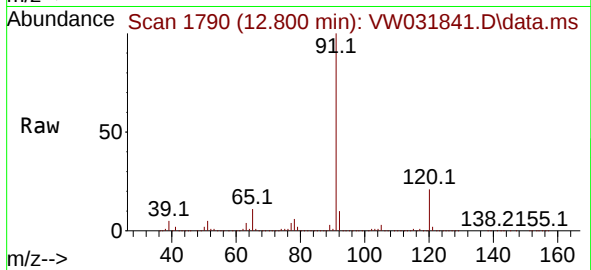
Tgt Ion:105 Resp: 521961
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4





#78
n-propylbenzene
Concen: 91.904 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

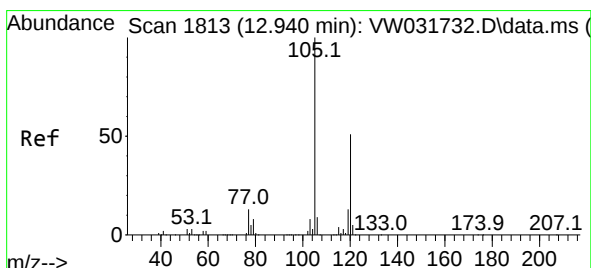
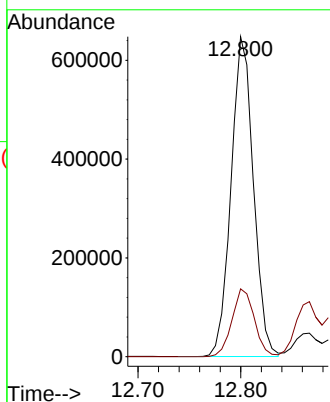
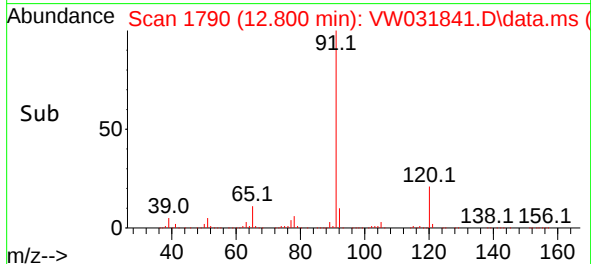
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



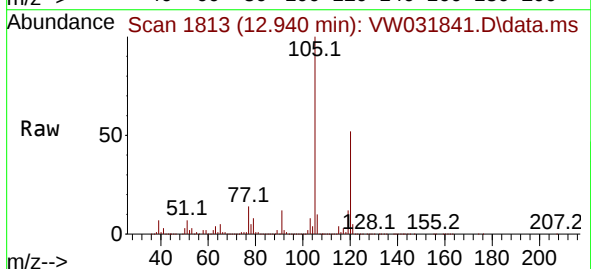
Tgt Ion: 91 Resp: 978725
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4

Manual Integrations
APPROVED

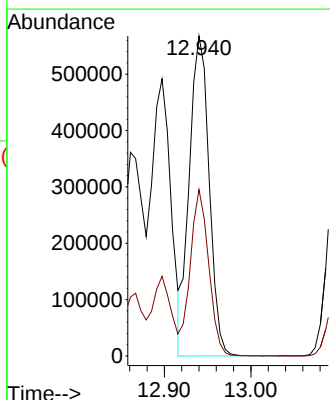
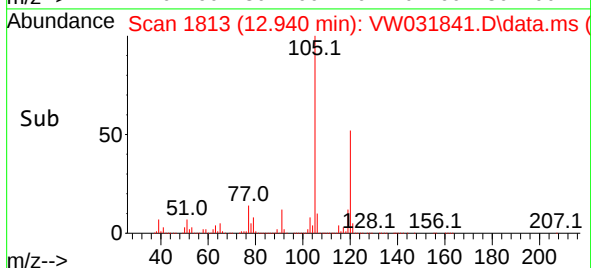
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

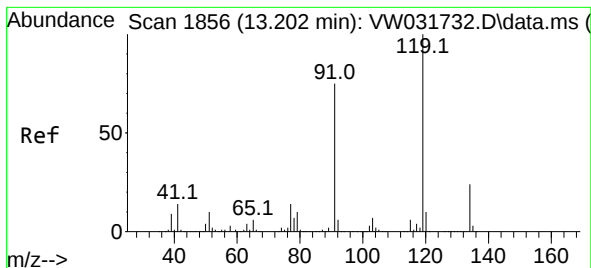


#80
1,3,5-Trimethylbenzene
Concen: 122.731 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38



Tgt Ion:105 Resp: 903463
Ion Ratio Lower Upper
105 100
120 48.4 23.8 71.2





#83

tert-Butylbenzene

Concen: 1.937 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

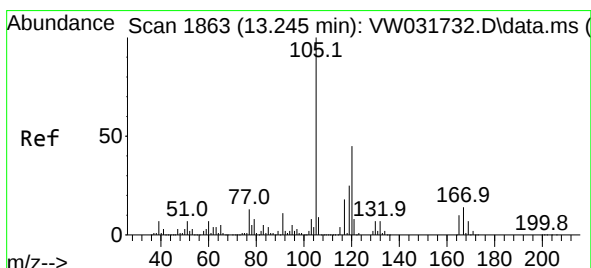
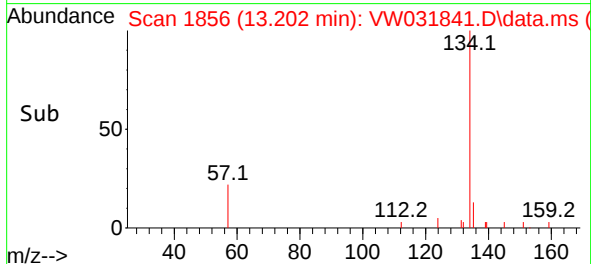
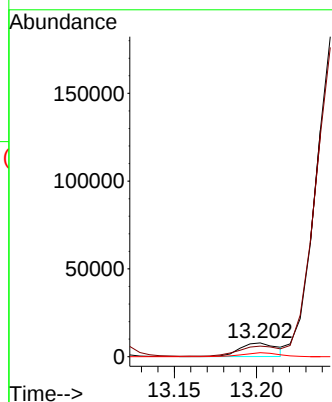
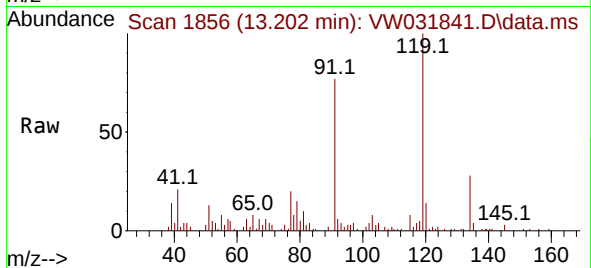
GCAP3

Tgt Ion:	119	Resp:	12210
Ion Ratio	Lower	Upper	
119	100		
91	79.6	36.0	108.1
134	27.3	12.4	37.2

Manual Integrations

APPROVED

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



#84

1,2,4-Trimethylbenzene

Concen: 328.905 ug/l

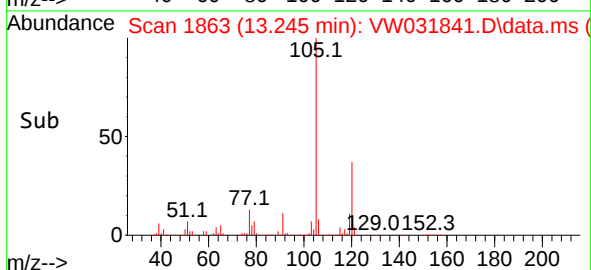
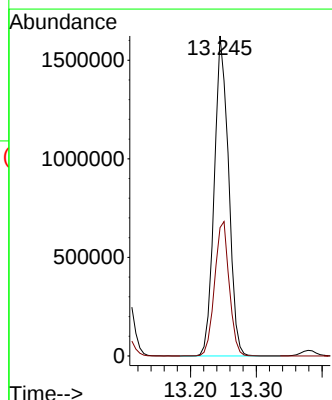
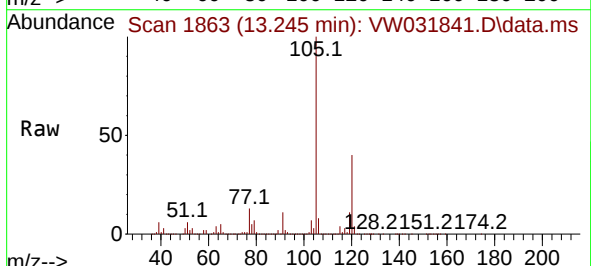
RT: 13.245 min Scan# 1863

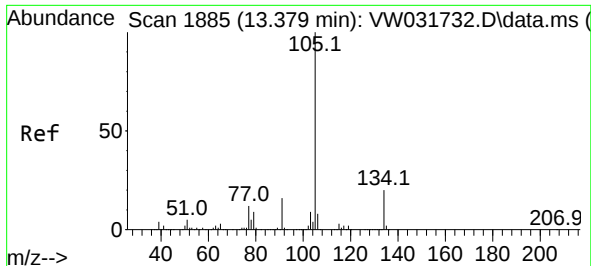
Delta R.T. 0.000 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion:	105	Resp:	2453174
Ion Ratio	Lower	Upper	
105	100		
120	42.8	22.1	66.1





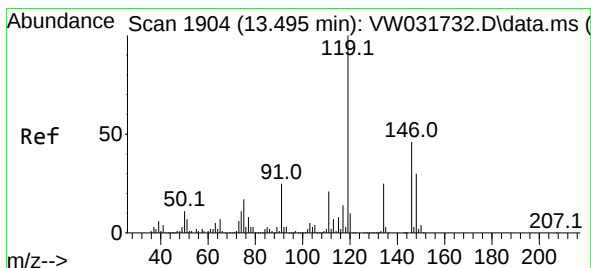
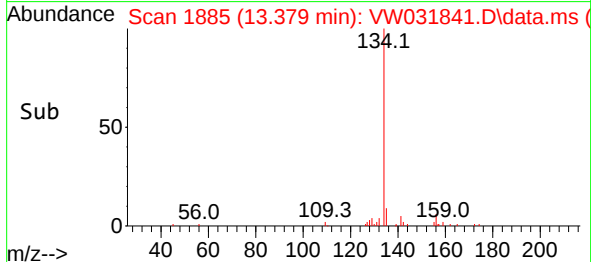
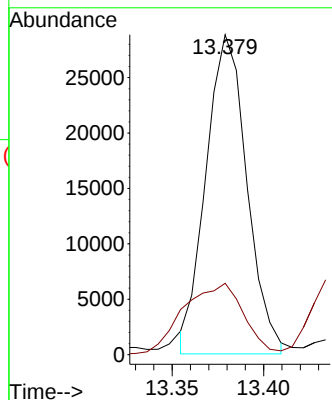
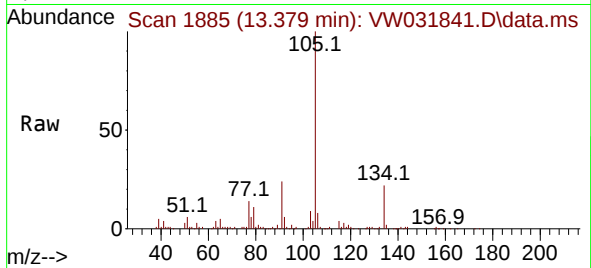
#85
 sec-Butylbenzene
 Concen: 4.727 ug/l m
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

Tgt Ion:105 Resp: 44735
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8

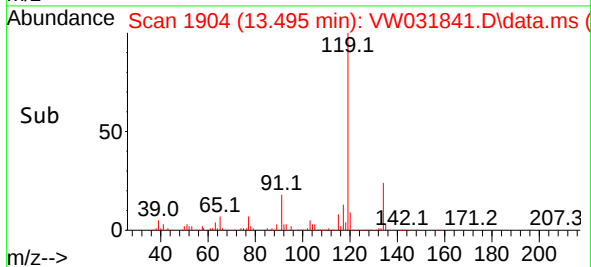
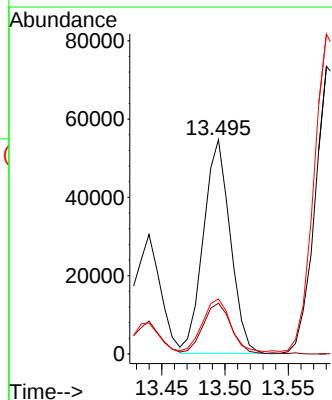
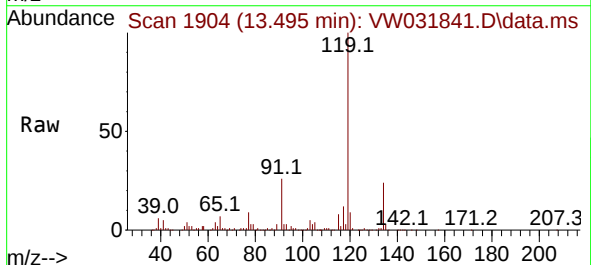
Manual Integrations
 APPROVED

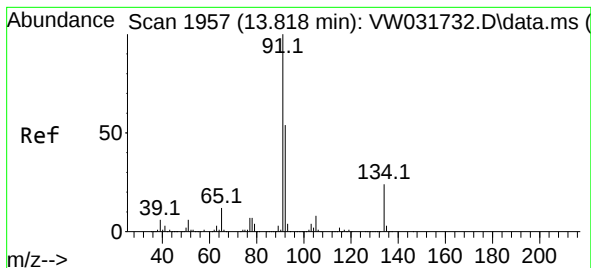
Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025



#86
 p-Isopropyltoluene
 Concen: 10.333 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW031841.D
 Acq: 14 Jul 2025 11:38

Tgt Ion:119 Resp: 80598
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 25.0 12.7 38.0





#89

n-Butylbenzene

Concen: 1.565 ug/l m

RT: 13.812 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

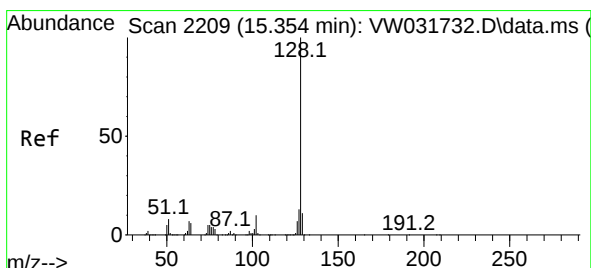
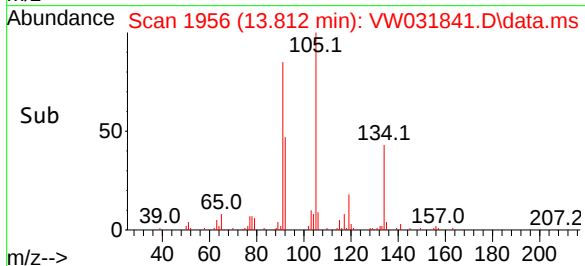
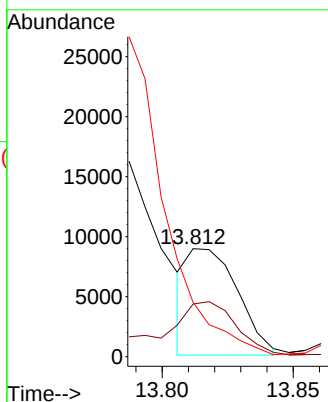
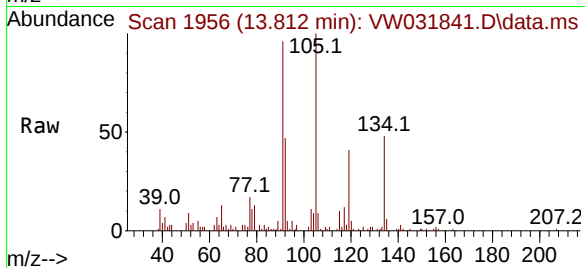
GCAP3

Tgt Ion:	91	Resp:	1186
Ion Ratio	Lower	Upper	
91	100		
92	5.1	27.2	81.5
134	48.7	12.2	36.6

Manual Integrations

APPROVED

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



#95

Naphthalene

Concen: 1.280 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion:	128	Resp:	7035
Ion Ratio	Lower	Upper	
128	100		
127	16.6	10.8	16.2#
129	13.5	8.7	13.1#

