

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039260.D
 Acq On : 03 Oct 2025 19:11
 Operator : SY/MD
 Sample : Q3201-05 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 01:16:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	460794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	745054	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	788166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	431237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	327302	49.078	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	98.160%		
35) Dibromofluoromethane	4.503	113	314297	52.473	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	104.940%		
50) Toluene-d8	7.236	98	847595	48.182	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	96.360%		
62) 4-Bromofluorobenzene	10.001	95	394965	54.538	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	109.080%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.571	59	53153	37.710	ug/l	96
31) Cyclohexane	4.584	56	122869	10.330	ug/l	96
39) Methylcyclohexane	6.050	83	49513	4.528	ug/l	94
40) Benzene	5.008	78	1484078	50.327	ug/l	99
52) Toluene	7.310	92	305782	17.884	ug/l	98
67) Ethyl Benzene	8.934	91	4506911	135.620	ug/l	98
68) m/p-Xylenes	9.059	106	2556288	199.301	ug/l	99
69) o-Xylene	9.471	106	57411	5.055	ug/l	98
73) Isopropylbenzene	9.857	105	1468865	46.962	ug/l	99
78) n-propylbenzene	10.278	91	2152668	56.517	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1114223	42.859	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	1578717	62.549	ug/l	100
85) sec-Butylbenzene	11.014	105	43299m	1.259	ug/l	
89) n-Butylbenzene	11.580	91	57371m	2.099	ug/l	
95) Naphthalene	13.426	128	434653	15.289	ug/l	99

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

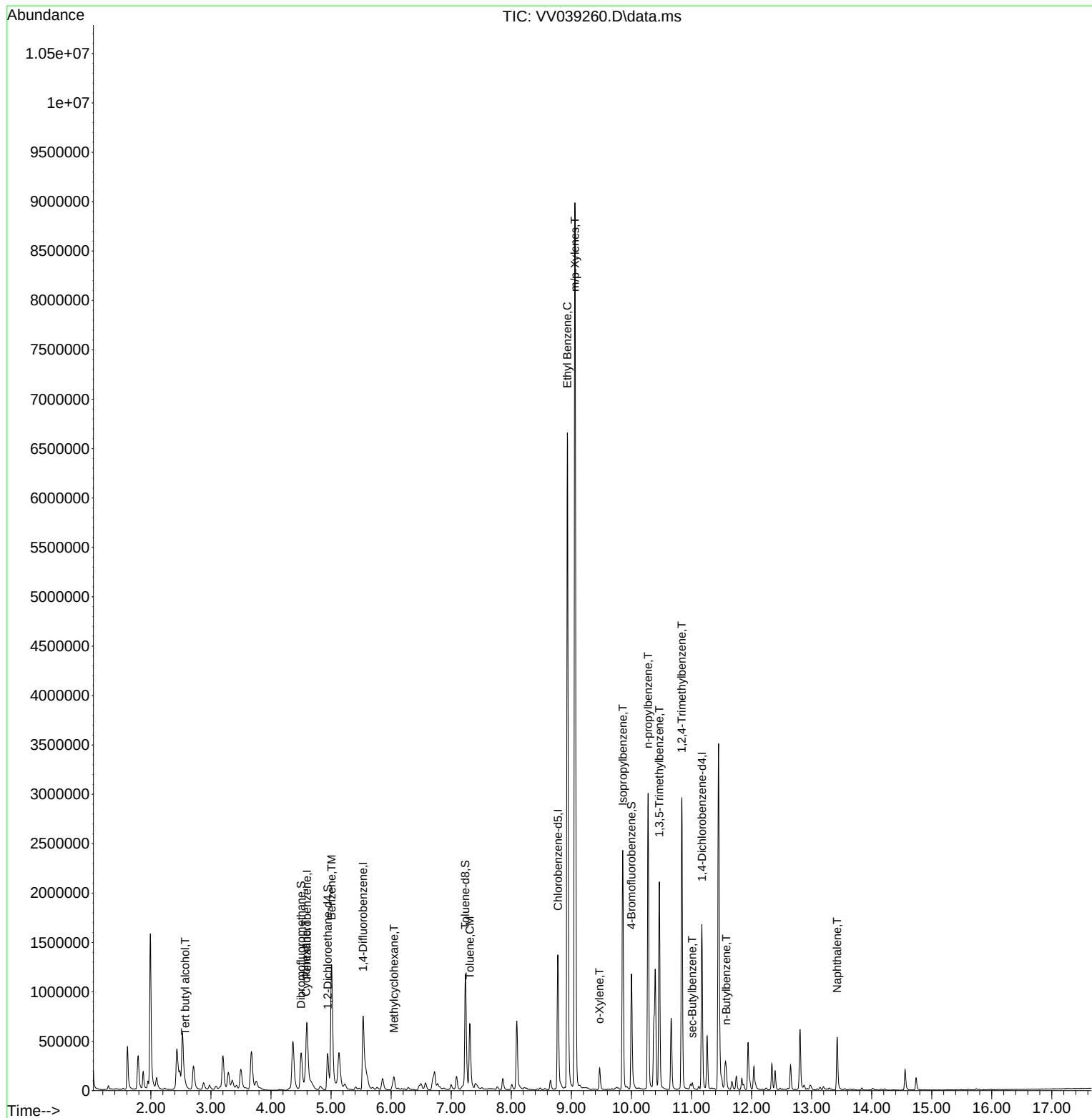
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
Data File : VV039260.D
Acq On : 03 Oct 2025 19:11
Operator : SY/MD
Sample : Q3201-05 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

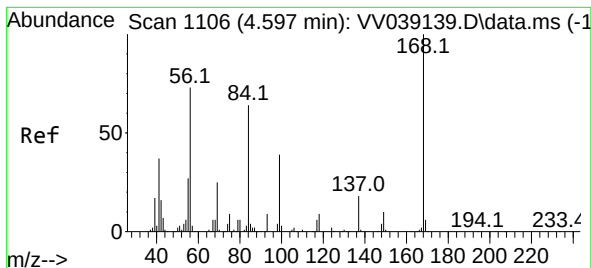
Instrument :
MSVOA_V
ClientSampleId :
MW1

Quant Time: Oct 04 01:16:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025





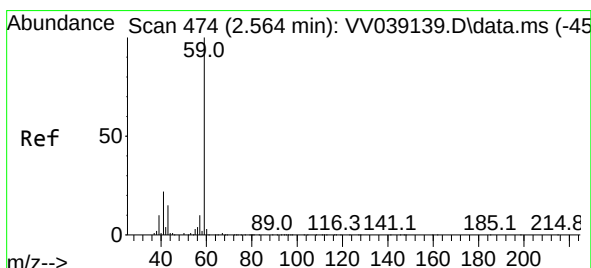
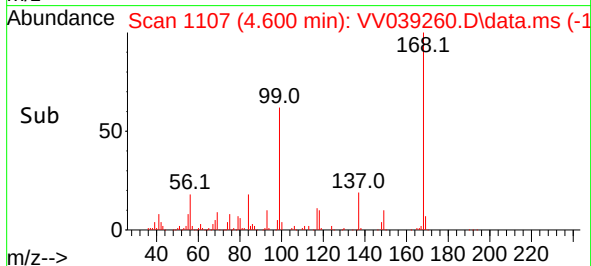
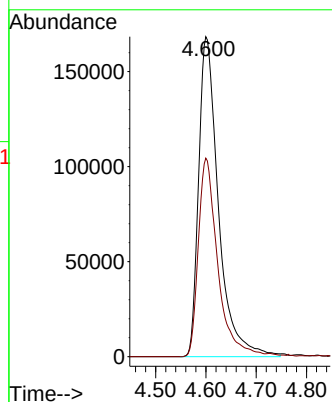
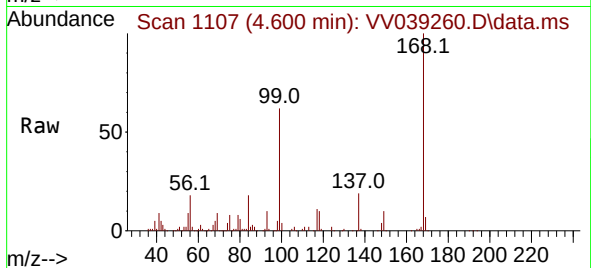
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion:168 Resp: 460794
Ion Ratio Lower Upper
168 100
99 62.0 49.6 74.4

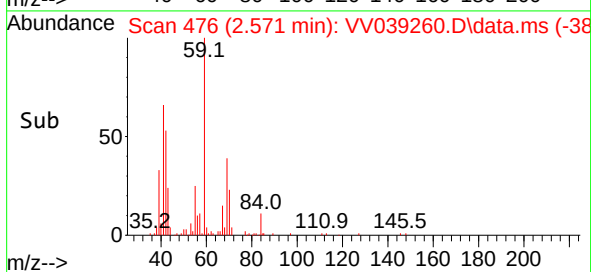
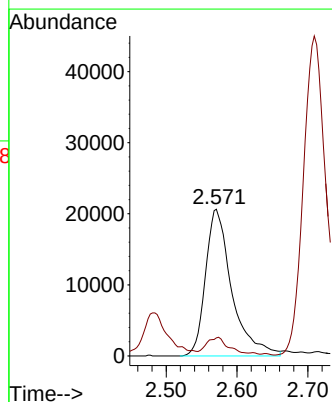
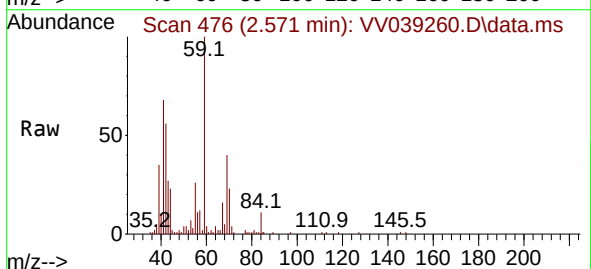
Manual Integrations
APPROVED

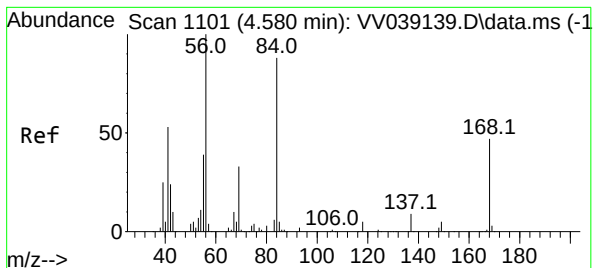
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#11
Tert butyl alcohol
Concen: 37.710 ug/l
RT: 2.571 min Scan# 476
Delta R.T. 0.006 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion: 59 Resp: 53153
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.8





#31

Cyclohexane

Concen: 10.330 ug/l

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV039260.D

Acq: 03 Oct 2025 19:11

Instrument :

MSVOA_V

ClientSampleId :

MW1

Tgt Ion: 56 Resp: 122869

Ion Ratio Lower Upper

56 100

69 35.7 26.2 39.2

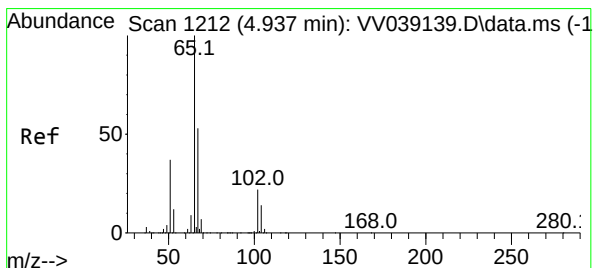
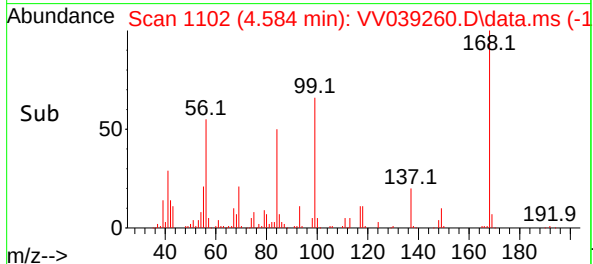
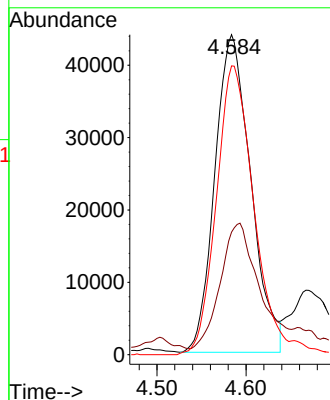
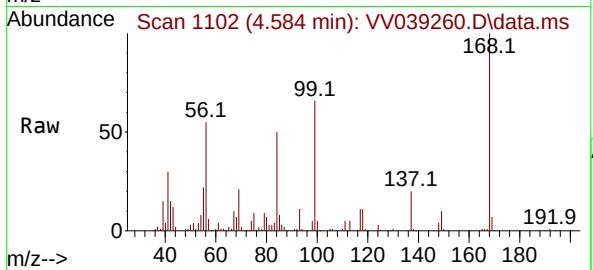
84 90.5 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025

Supervised By :Semsettin Yesilyurt 10/06/2025



#33

1,2-Dichloroethane-d4

Concen: 49.078 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039260.D

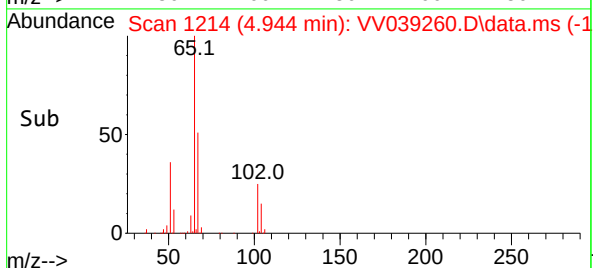
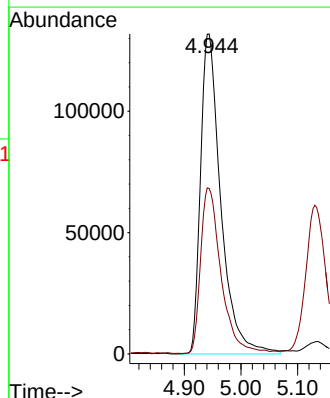
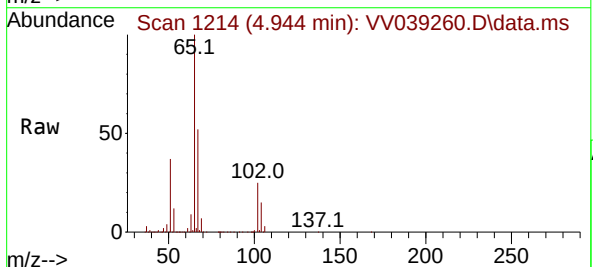
Acq: 03 Oct 2025 19:11

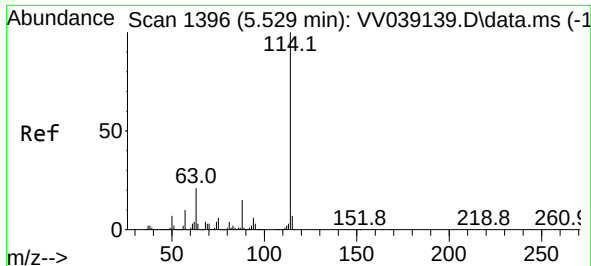
Tgt Ion: 65 Resp: 327302

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039260.D

Acq: 03 Oct 2025 19:11

Instrument :

MSVOA_V

ClientSampleId :

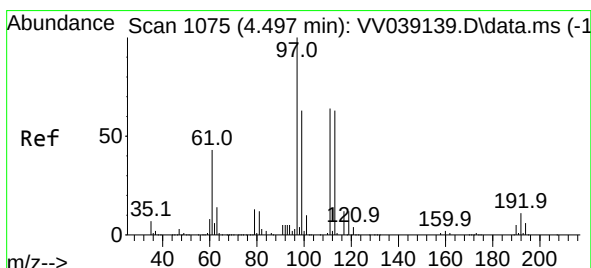
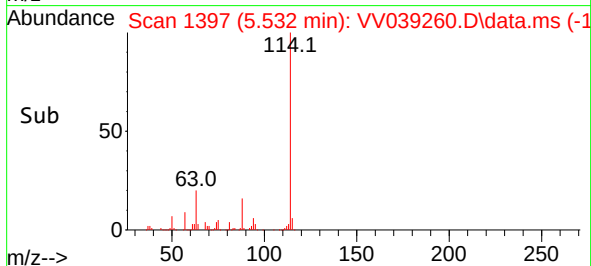
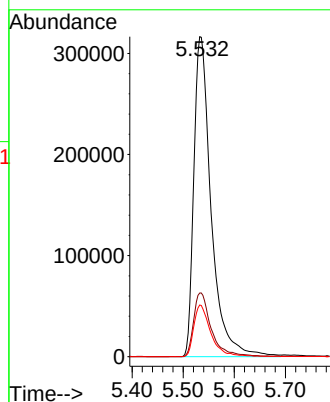
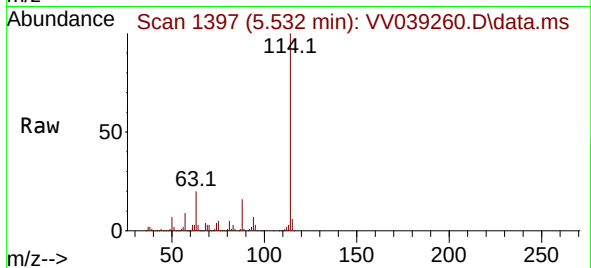
MW1

Tgt Ion:	114	Resp:	745054
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	42.6
88	16.1	0.0	30.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#35

Dibromofluoromethane

Concen: 52.473 ug/l

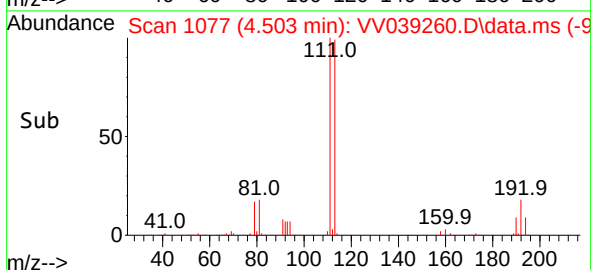
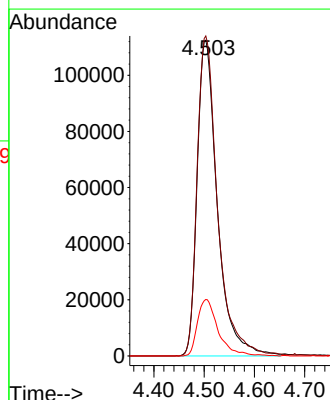
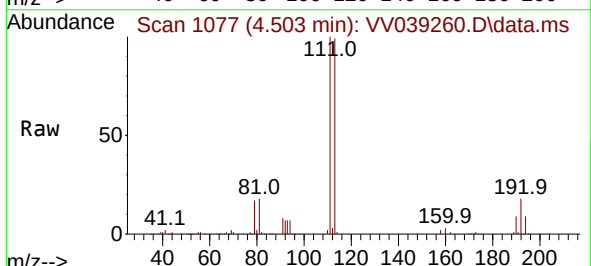
RT: 4.503 min Scan# 1077

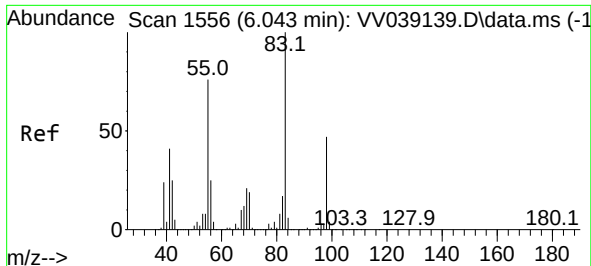
Delta R.T. 0.006 min

Lab File: VV039260.D

Acq: 03 Oct 2025 19:11

Tgt Ion:	113	Resp:	314297
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.4	123.6
192	18.2	13.8	20.8





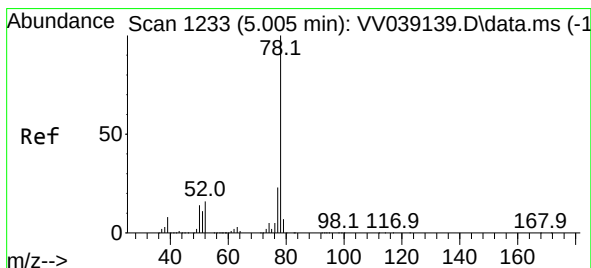
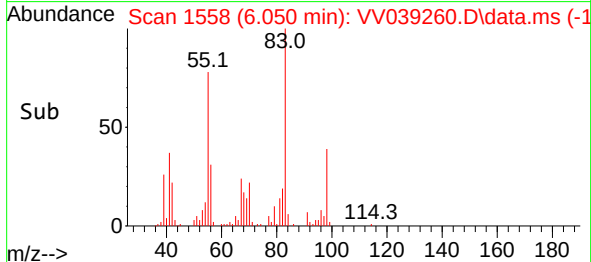
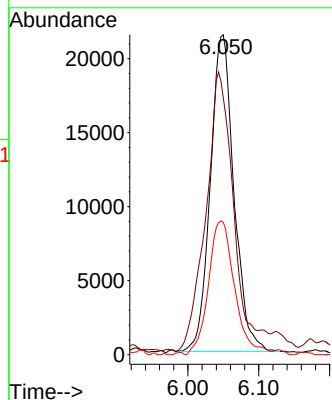
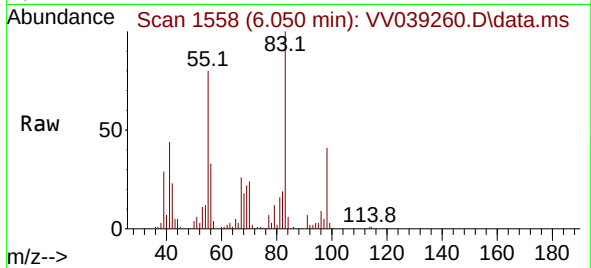
#39
Methylcyclohexane
Concen: 4.528 ug/l
RT: 6.050 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion: 83 Resp: 4951
Ion Ratio Lower Upper
83 100
55 79.4 60.5 90.7
98 41.2 37.8 56.6

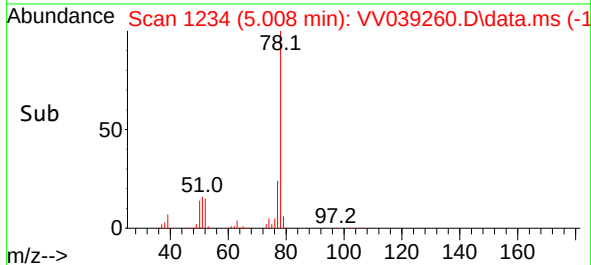
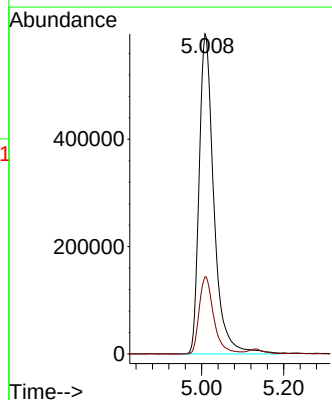
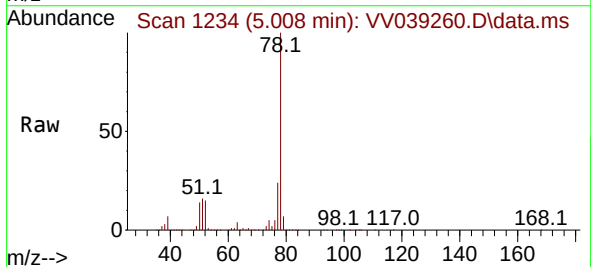
Manual Integrations
APPROVED

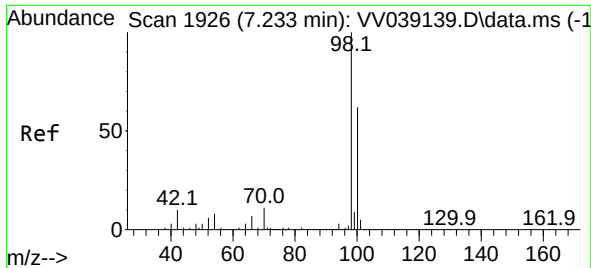
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#40
Benzene
Concen: 50.327 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion: 78 Resp: 1484078
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1





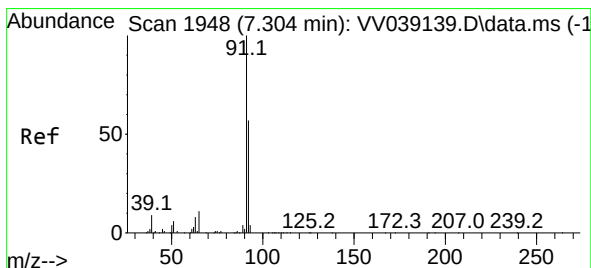
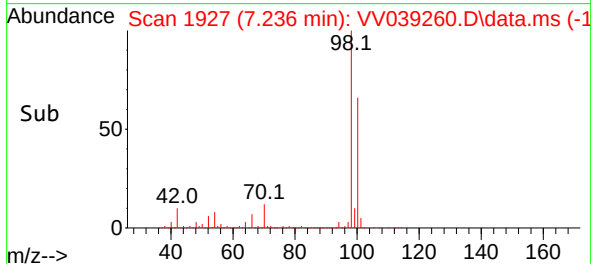
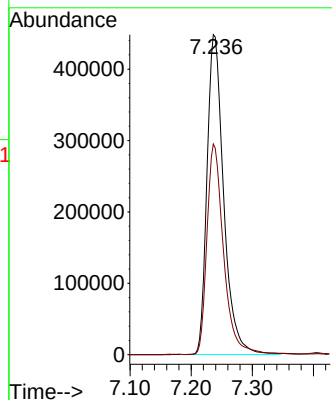
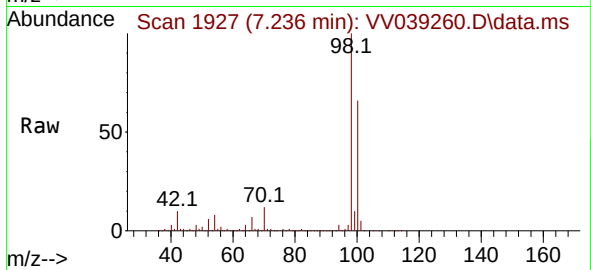
#50
Toluene-d8
Concen: 48.182 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion: 98 Resp: 84759
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2

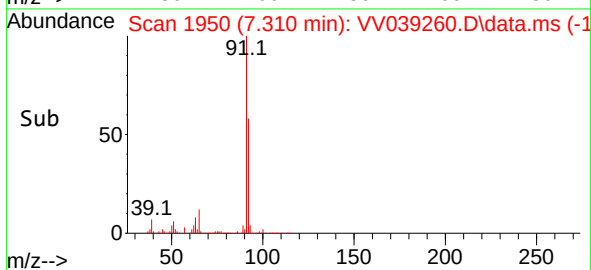
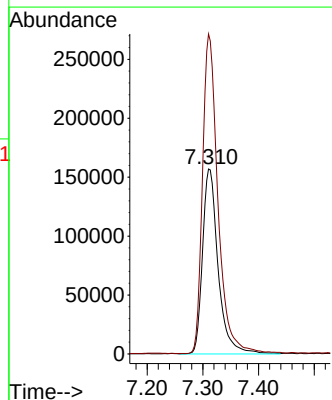
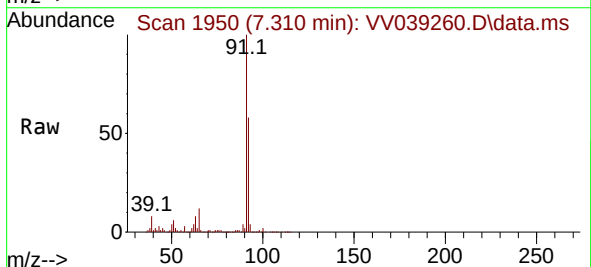
Manual Integrations
APPROVED

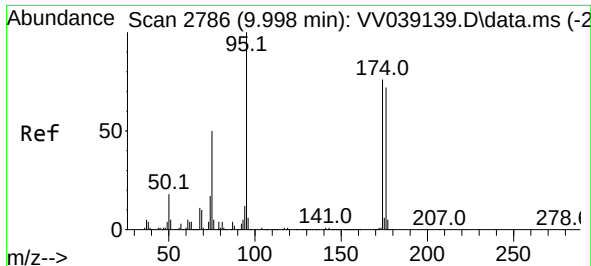
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#52
Toluene
Concen: 17.884 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion: 92 Resp: 305782
Ion Ratio Lower Upper
92 100
91 170.8 139.2 208.8





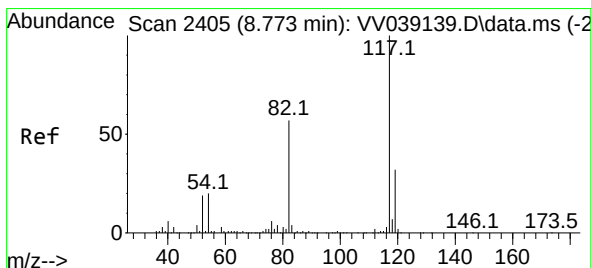
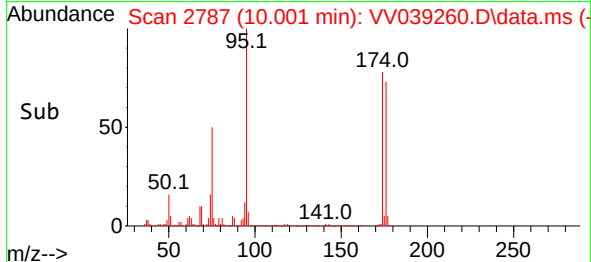
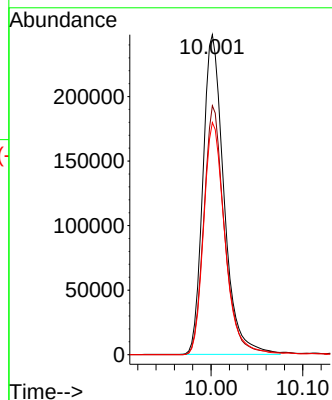
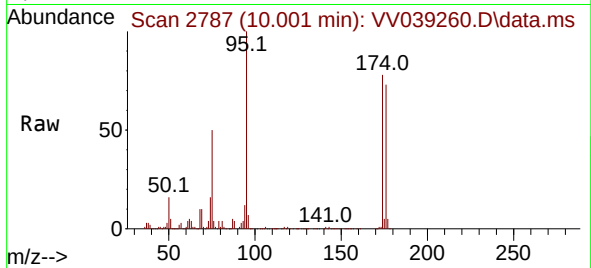
#62
4-Bromofluorobenzene
Concen: 54.538 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion: 95 Resp: 39496
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.4
176 73.6 0.0 144.2

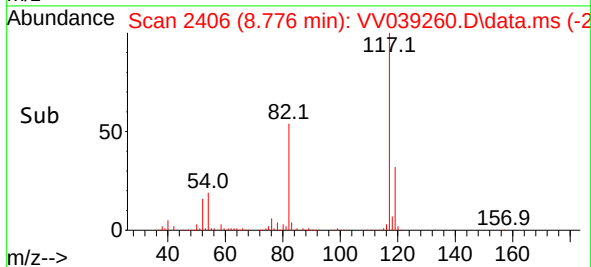
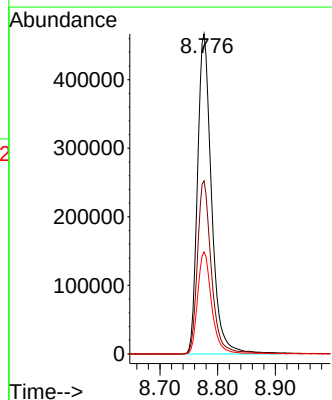
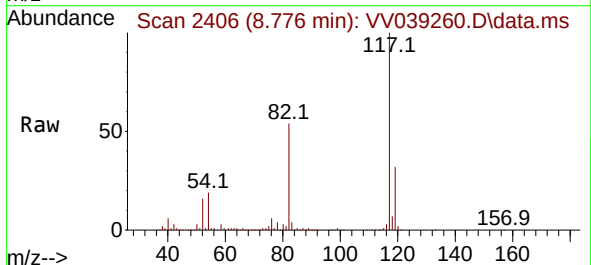
Manual Integrations
APPROVED

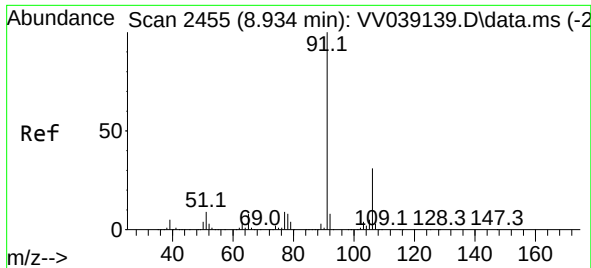
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion:117 Resp: 788166
Ion Ratio Lower Upper
117 100
82 54.1 45.4 68.2
119 31.9 25.6 38.4





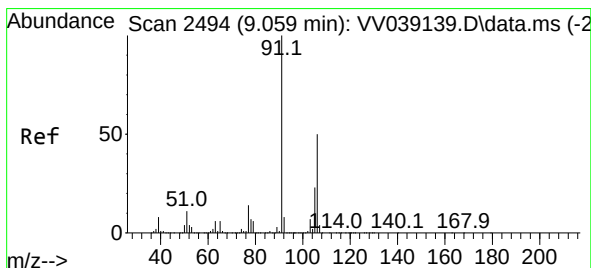
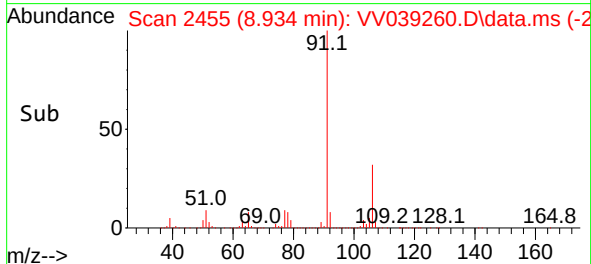
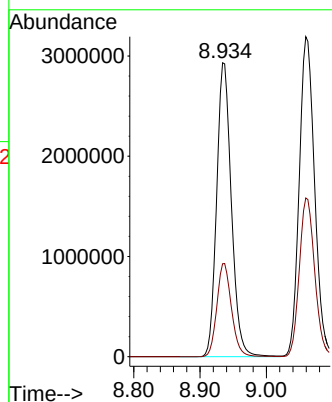
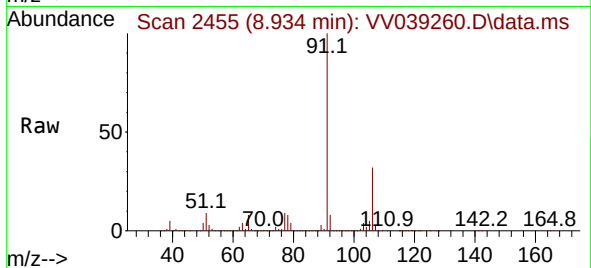
#67
Ethyl Benzene
Concen: 135.620 ug/l
RT: 8.934 min Scan# 2455
Delta R.T. -0.000 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument : MSVOA_V
ClientSampleId : MW1

Tgt Ion: 91 Resp: 450691
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

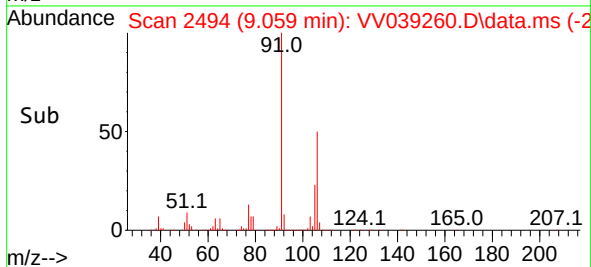
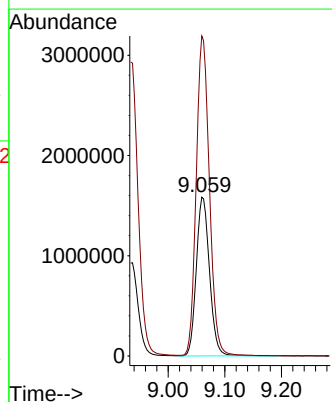
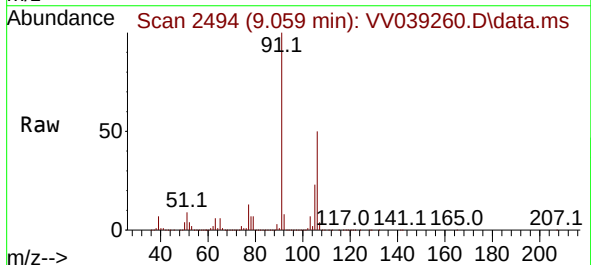
Manual Integrations
APPROVED

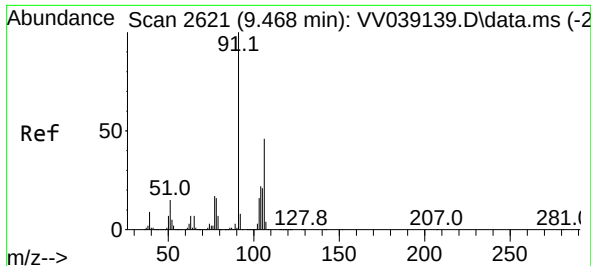
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#68
m/p-Xylenes
Concen: 199.301 ug/l
RT: 9.059 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion:106 Resp: 2556288
Ion Ratio Lower Upper
106 100
91 200.9 162.5 243.7





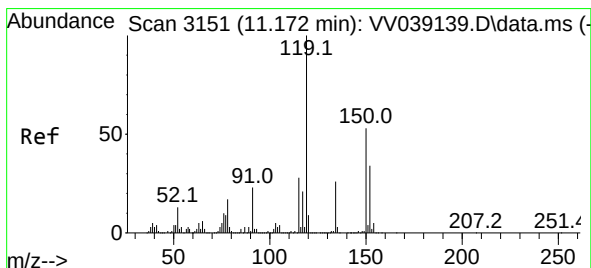
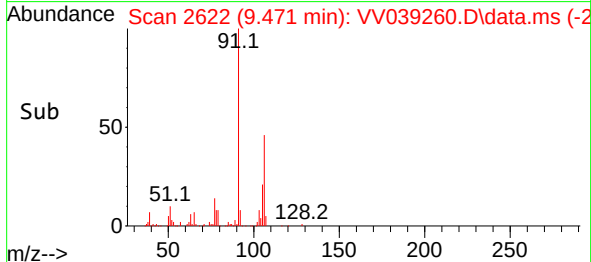
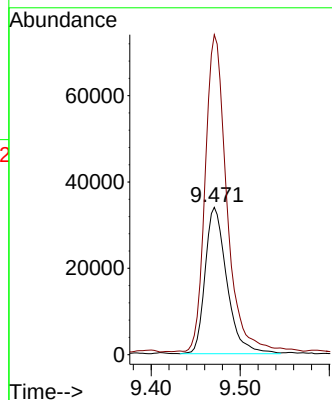
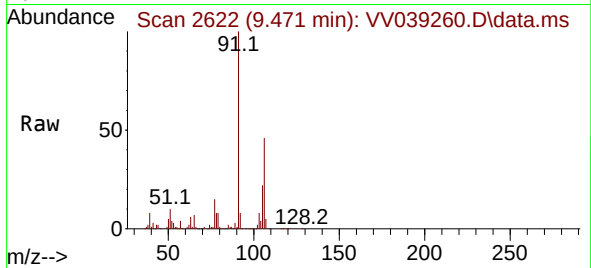
#69
o-Xylene
Concen: 5.055 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion:106 Resp: 5741
Ion Ratio Lower Upper
106 100
91 215.2 109.1 327.3

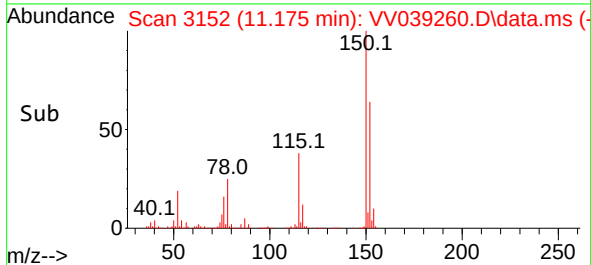
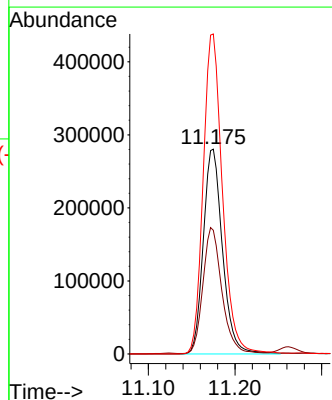
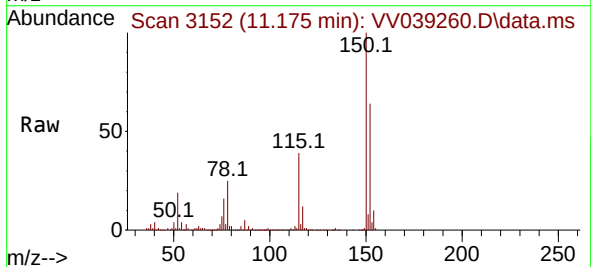
Manual Integrations
APPROVED

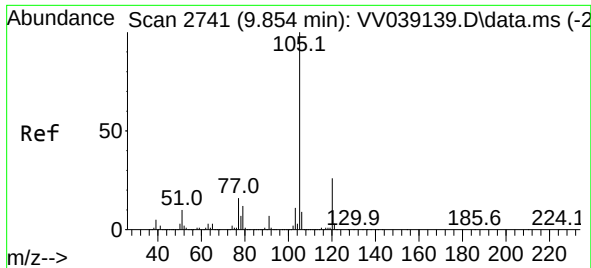
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Tgt Ion:152 Resp: 431237
Ion Ratio Lower Upper
152 100
115 60.4 44.8 134.4
150 157.3 0.0 353.8





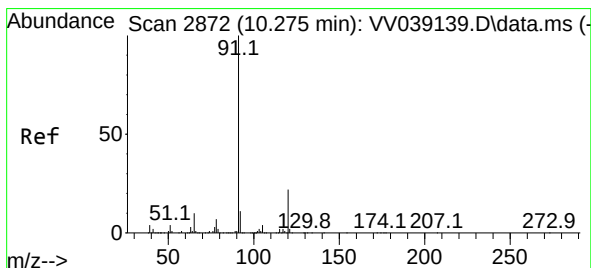
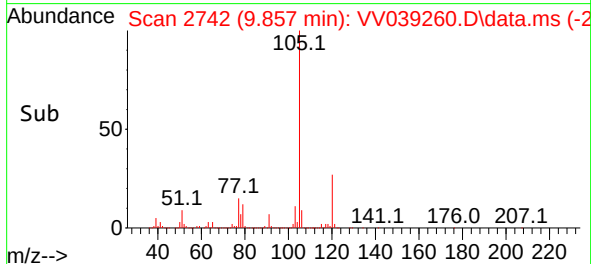
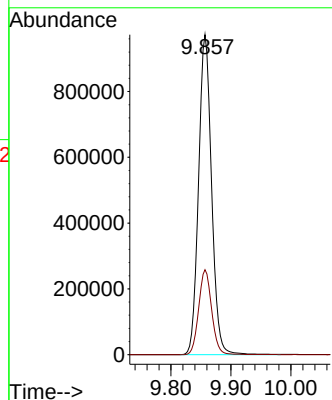
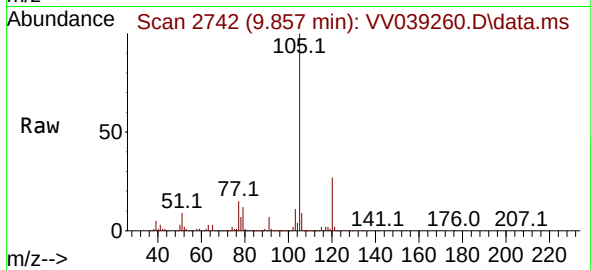
#73
Isopropylbenzene
Concen: 46.962 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1

Tgt Ion:105 Resp: 146886
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.1

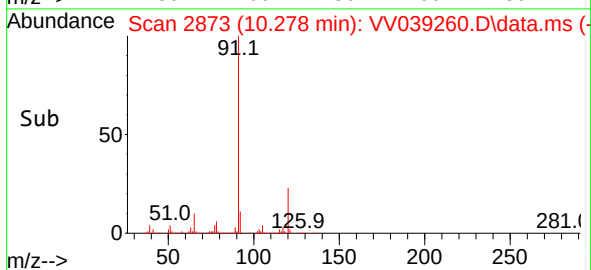
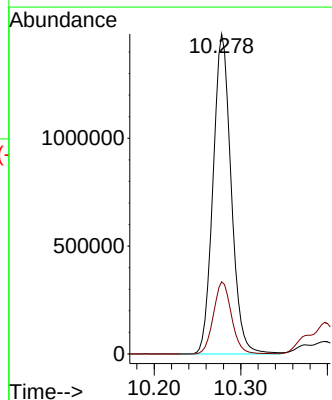
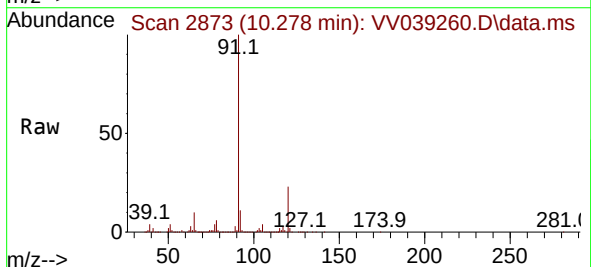
Manual Integrations
APPROVED

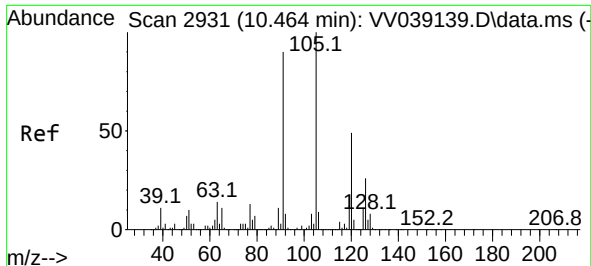
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#78
n-propylbenzene
Concen: 56.517 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

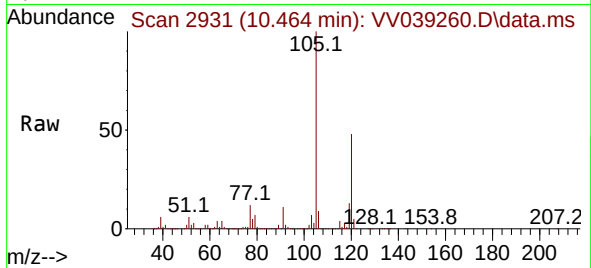
Tgt Ion: 91 Resp: 2152668
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





#80
1,3,5-Trimethylbenzene
Concen: 42.859 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

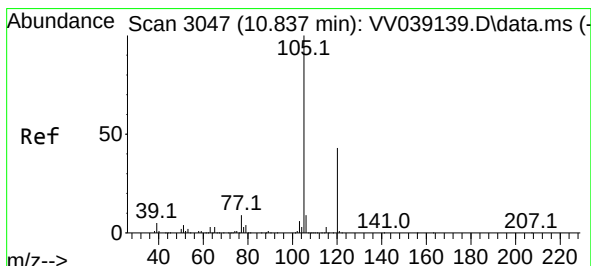
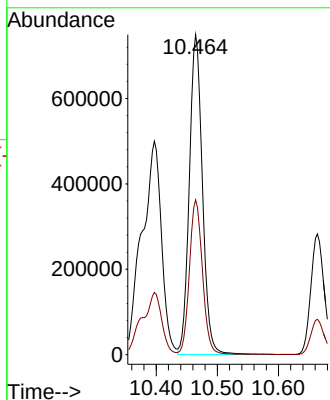
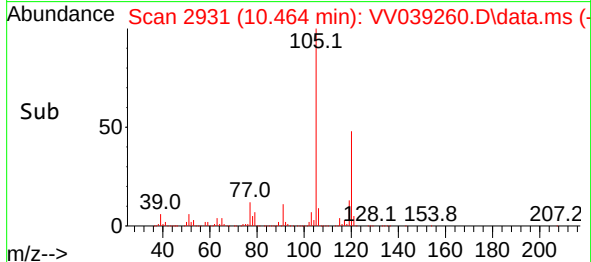
Instrument :
MSVOA_V
ClientSampleId :
MW1



Tgt Ion:105 Resp: 111422
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.8

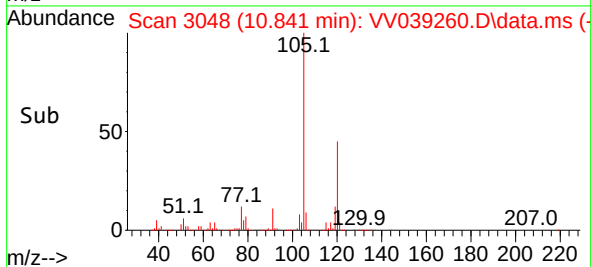
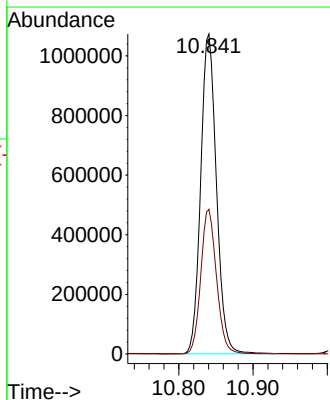
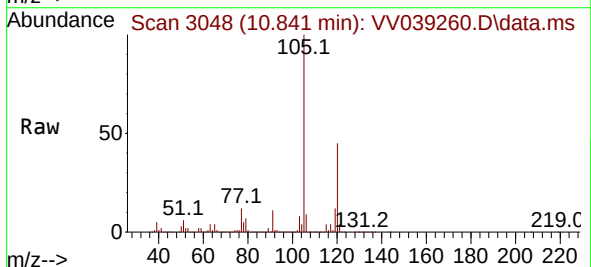
Manual Integrations
APPROVED

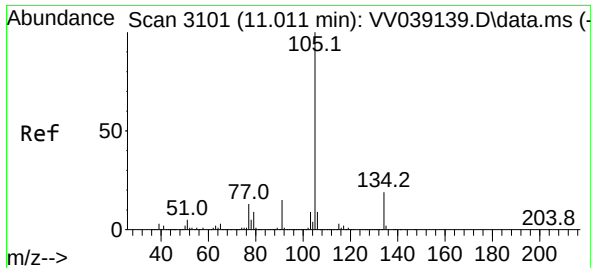
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 62.549 ug/l
RT: 10.841 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

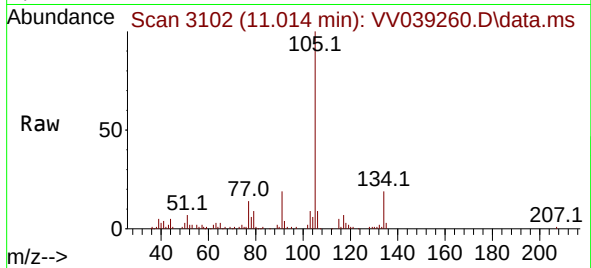
Tgt Ion:105 Resp: 1578717
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.2





#85
sec-Butylbenzene
Concen: 1.259 ug/l m
RT: 11.014 min Scan# 3101
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

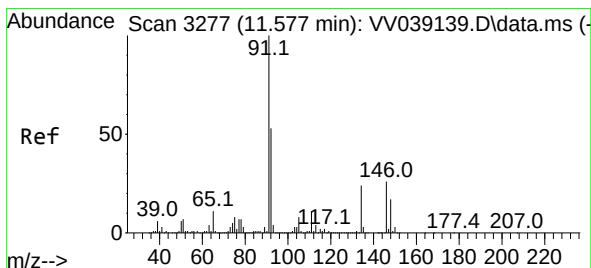
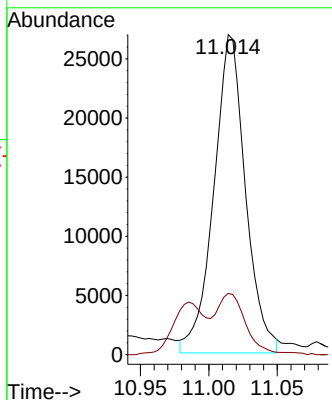
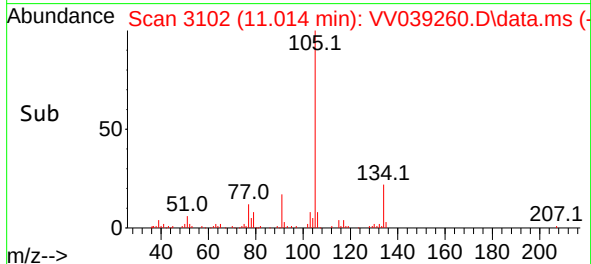
Instrument :
MSVOA_V
ClientSampleId :
MW1



Tgt Ion:105 Resp: 43299
Ion Ratio Lower Upper
105 100
134 1.1 9.6 28.8

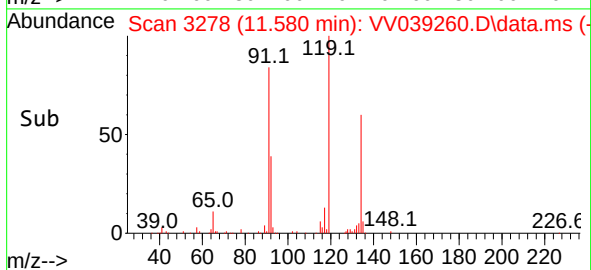
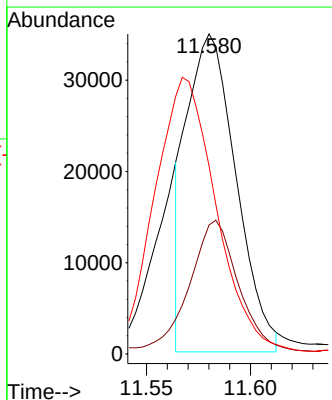
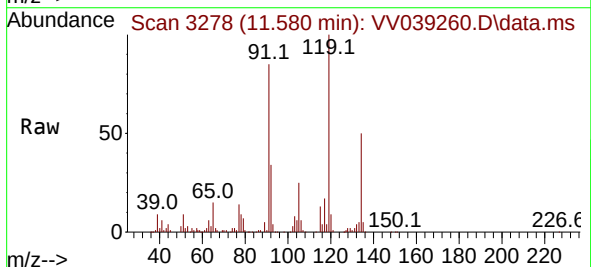
Manual Integrations
APPROVED

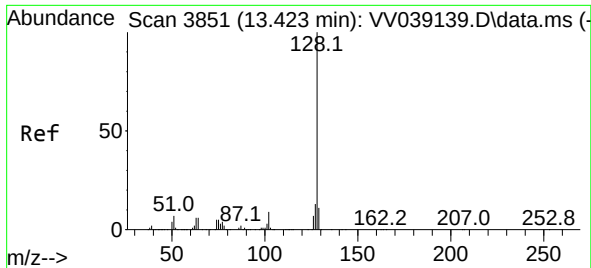
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#89
n-Butylbenzene
Concen: 2.099 ug/l m
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

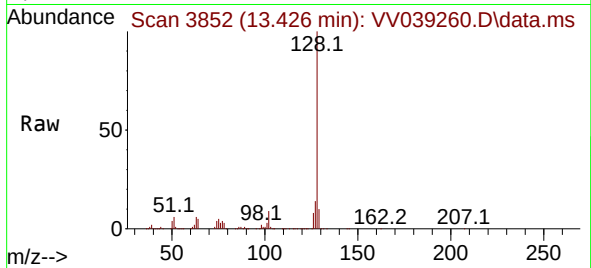
Tgt Ion: 91 Resp: 57371
Ion Ratio Lower Upper
91 100
92 42.1 26.6 79.8
134 107.0 12.1 36.3





#95
Naphthalene
Concen: 15.289 ug/l
RT: 13.426 min Scan# 3852
Delta R.T. 0.003 min
Lab File: VV039260.D
Acq: 03 Oct 2025 19:11

Instrument :
MSVOA_V
ClientSampleId :
MW1



Tgt Ion:128 Resp: 43465
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.7 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

