

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022957.D
 Acq On : 07 Jul 2025 14:02
 Operator : SY/MD
 Sample : Q2510-02
 Misc : 8.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 #63025-A-VOC

Manual Integrations
 APPROVED

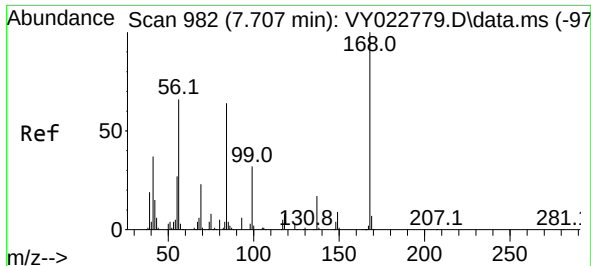
Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 03:26:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

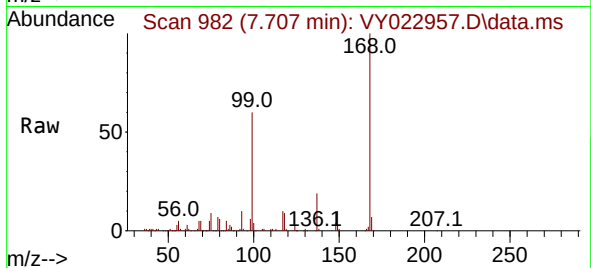
Internal Standards						
1) Pentafluorobenzene	7.707	168	291439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	558419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	558063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	229225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169882	52.227	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.460%			
35) Dibromofluoromethane	7.634	113	169517	49.916	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.840%			
50) Toluene-d8	10.103	98	700454	51.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.401	95	256143	59.127	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.260%			
Target Compounds					Qvalue	
16) Acetone	3.866	43	19558	31.812	ug/l	100
20) Methylene Chloride	4.616	84	23916	6.160	ug/l #	96
39) Methylcyclohexane	9.109	83	19925	2.991	ug/l #	86
40) Benzene	8.079	78	219531	13.871	ug/l	98
52) Toluene	10.170	92	50553	5.063	ug/l	100
67) Ethyl Benzene	11.517	91	46196	2.144	ug/l	95
68) m/p-Xylenes	11.621	106	33105	3.975	ug/l	98
69) o-Xylene	11.950	106	10459	1.333	ug/l	97
73) Isopropylbenzene	12.249	105	43723	2.579	ug/l	99
78) n-propylbenzene	12.590	91	103853	5.074	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	19727	1.440	ug/l	99
85) sec-Butylbenzene	13.170	105	88887	4.895	ug/l #	52
89) n-Butylbenzene	13.615	91	84910m	5.973	ug/l	
95) Naphthalene	15.139	128	23578	3.396	ug/l #	77

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022957.D
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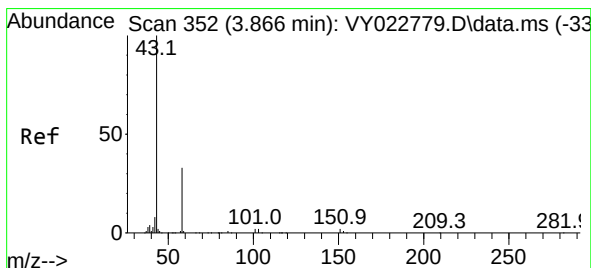
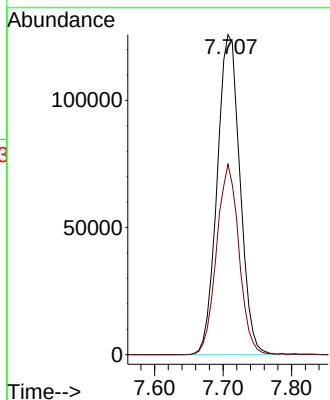
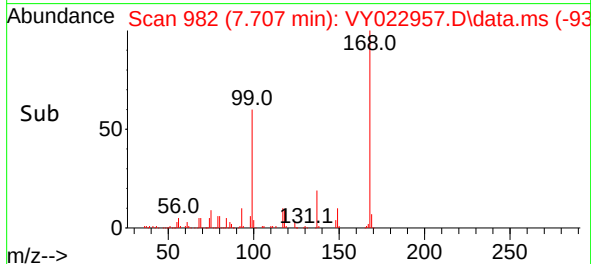
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



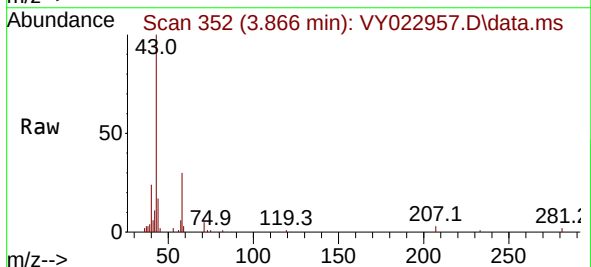
Tgt Ion:168 Resp: 291439
Ion Ratio Lower Upper
168 100
99 59.5 44.3 66.5

Manual Integrations
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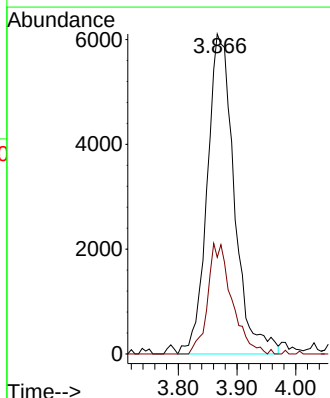
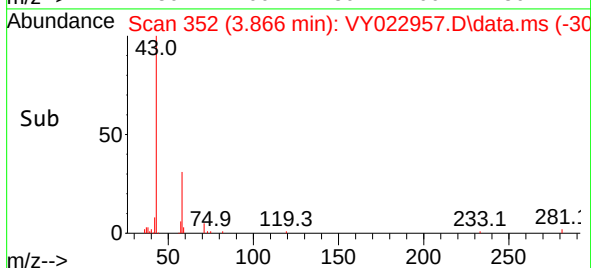
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

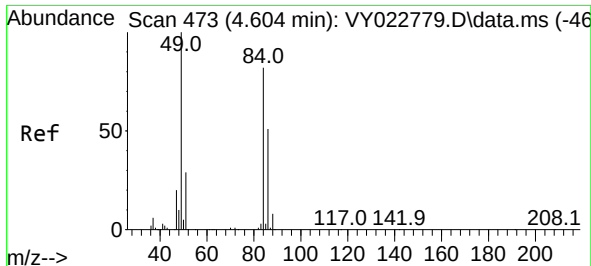


#16
Acetone
Concen: 31.812 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



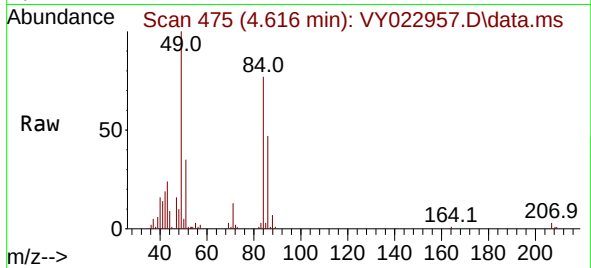
Tgt Ion: 43 Resp: 19558
Ion Ratio Lower Upper
43 100
58 30.2 24.0 36.0





#20
Methylene Chloride
Concen: 6.160 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

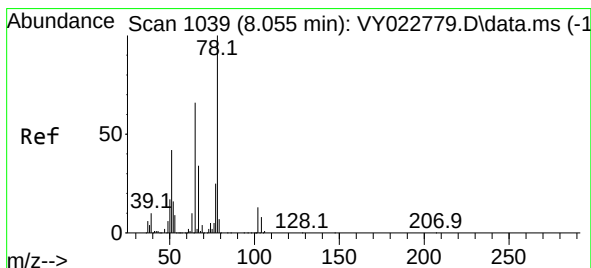
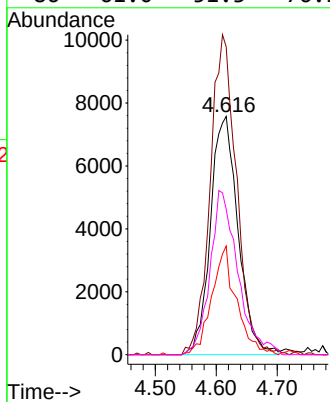
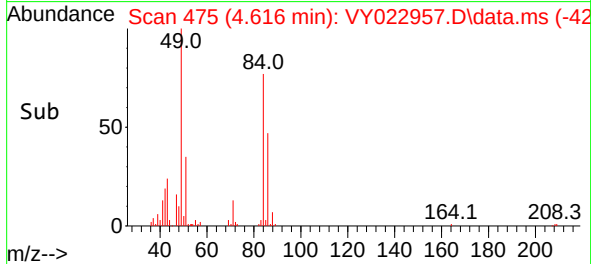
Instrument :
MSVOA_Y
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#63025-A-VOC



Tgt Ion: 84 Resp: 23910
Ion Ratio Lower Upper
84 100
49 129.3 101.9 152.9
51 45.6 29.8 44.8
86 61.0 51.3 76.9

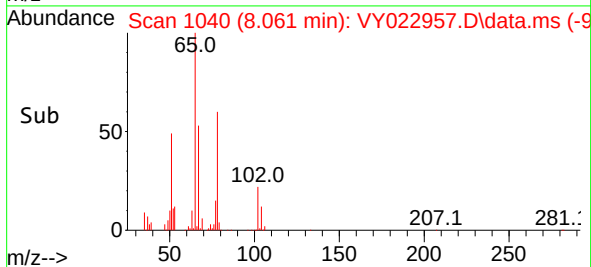
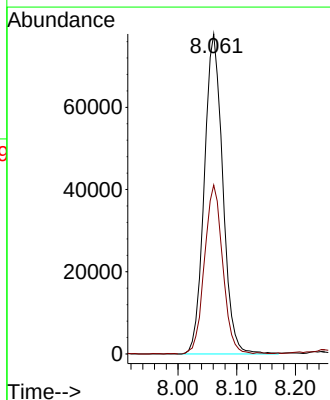
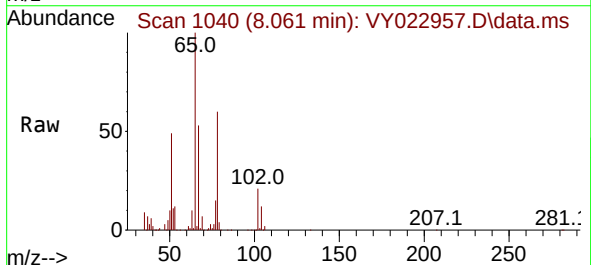
Manual Integrations
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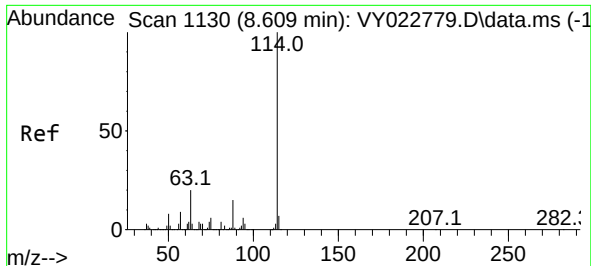
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025



#33
1,2-Dichloroethane-d4
Concen: 52.227 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

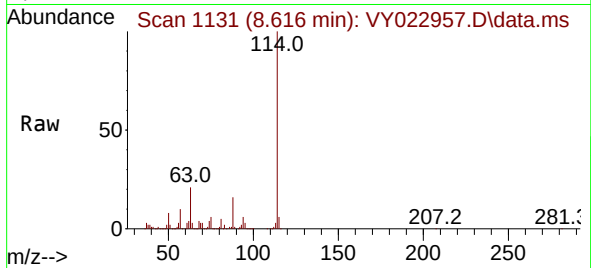
Tgt Ion: 65 Resp: 169882
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

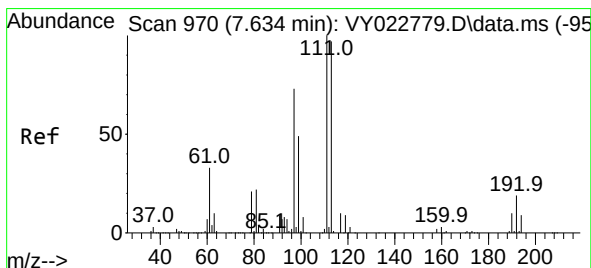
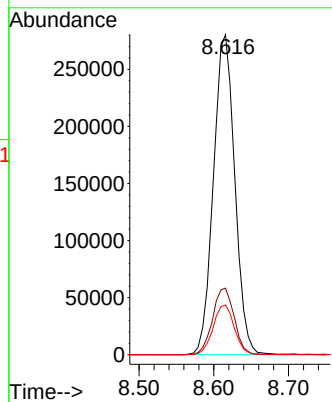
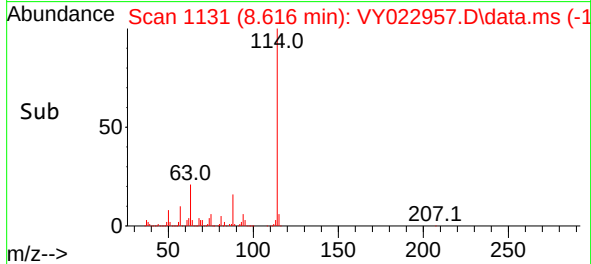
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



Tgt Ion:114 Resp: 558419
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.5 0.0 27.8

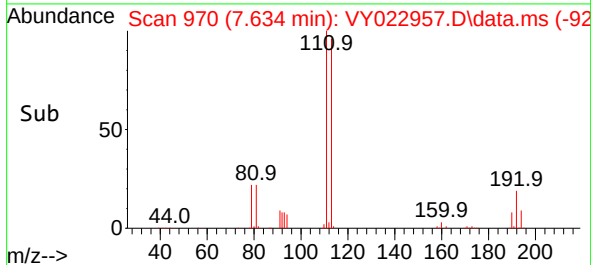
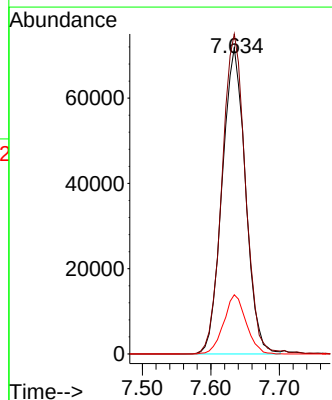
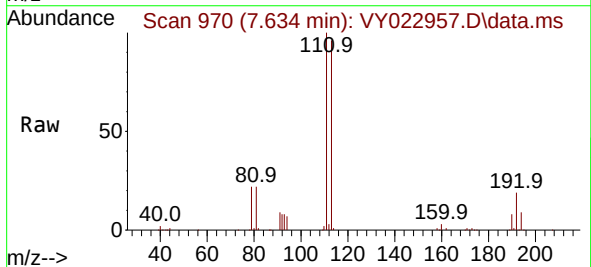
Manual Integrations
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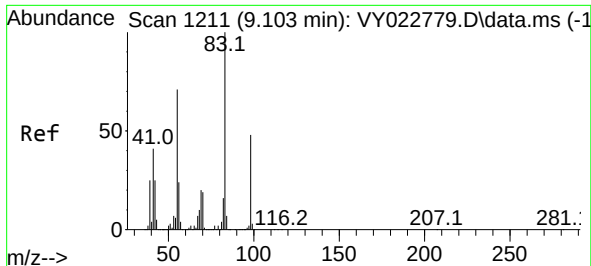
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025



#35
Dibromofluoromethane
Concen: 49.916 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

Tgt Ion:113 Resp: 169517
Ion Ratio Lower Upper
113 100
111 105.0 81.1 121.7
192 18.6 14.2 21.2





#39

Methylcyclohexane

Concen: 2.991 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022957.D

Acq: 07 Jul 2025 14:02

Instrument :

MSVOA_Y

ClientSampleId :

#63025-A-VOC

Tgt Ion: 83 Resp: 1992

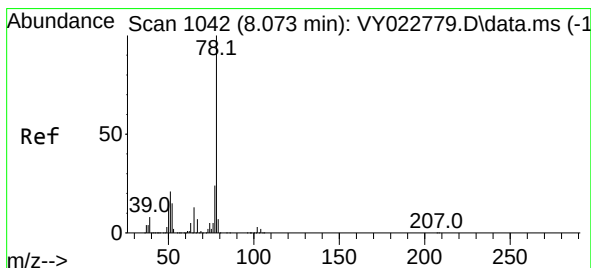
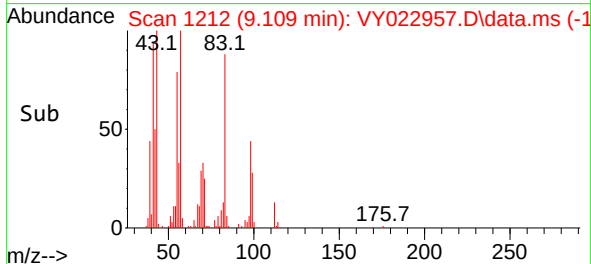
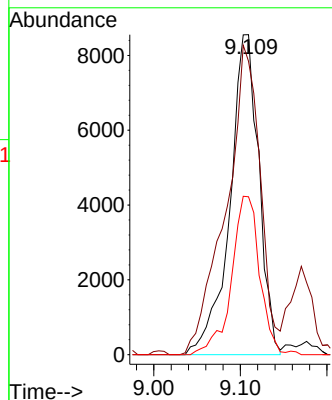
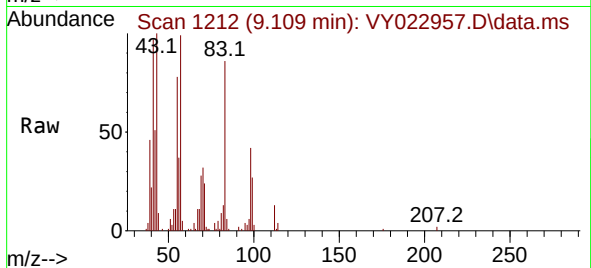
Ion	Ratio	Lower	Upper
83	100		
55	91.7	58.1	87.1
98	49.3	39.0	58.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/08/2025

Supervised By :Semsettin Yesilyurt 07/08/2025



#40

Benzene

Concen: 13.871 ug/l

RT: 8.079 min Scan# 1043

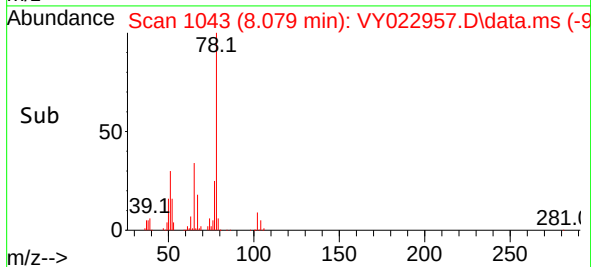
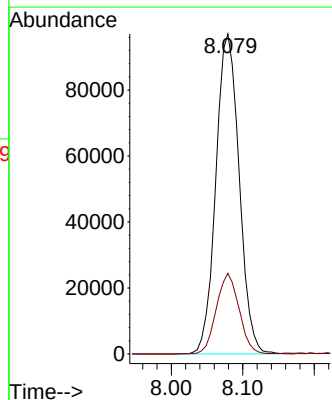
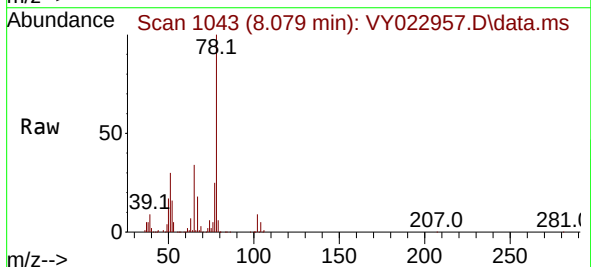
Delta R.T. -0.006 min

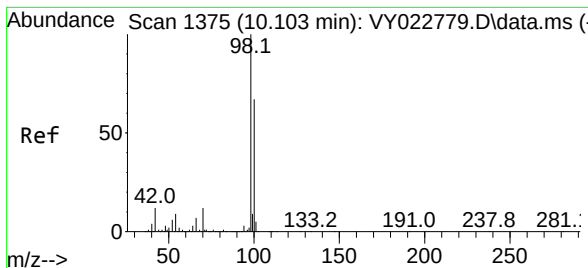
Lab File: VY022957.D

Acq: 07 Jul 2025 14:02

Tgt Ion: 78 Resp: 219531

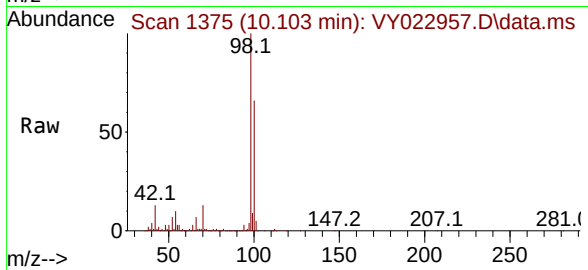
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.3	28.9





#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

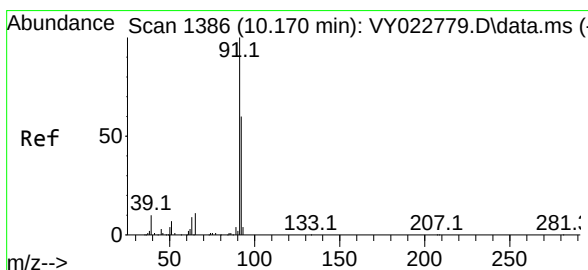
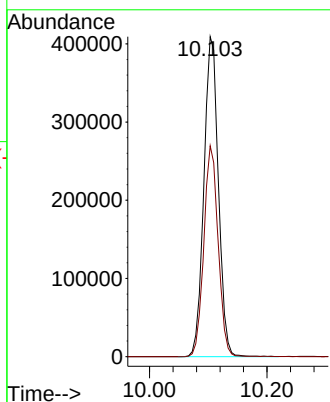
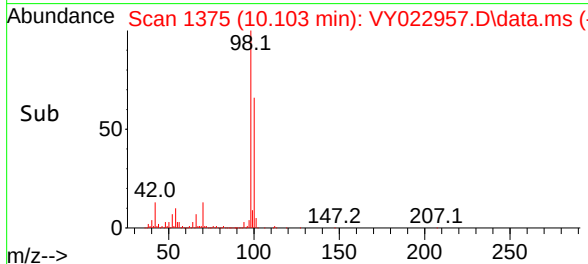
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



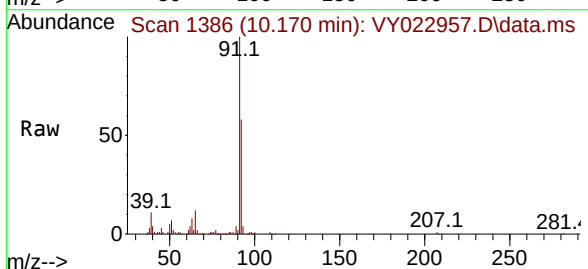
Tgt Ion: 98 Resp: 700454
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

Manual Integrations
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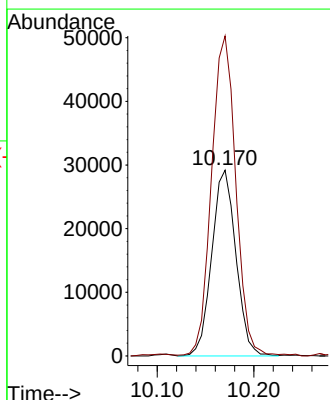
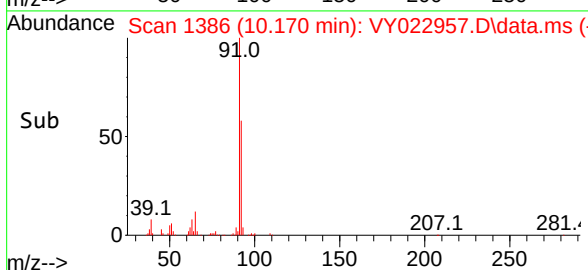
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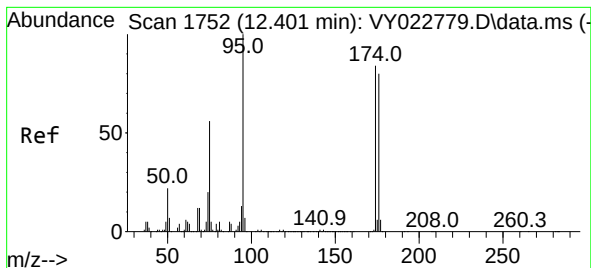


#52
Toluene
Concen: 5.063 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



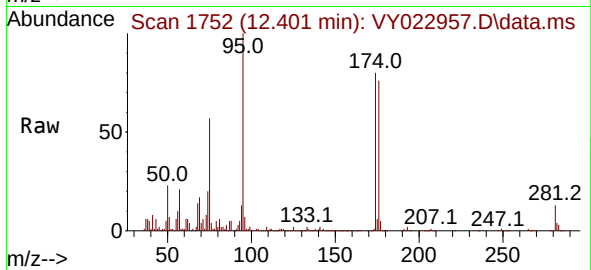
Tgt Ion: 92 Resp: 50553
Ion Ratio Lower Upper
92 100
91 173.9 139.0 208.4





#62
4-Bromofluorobenzene
Concen: 59.127 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

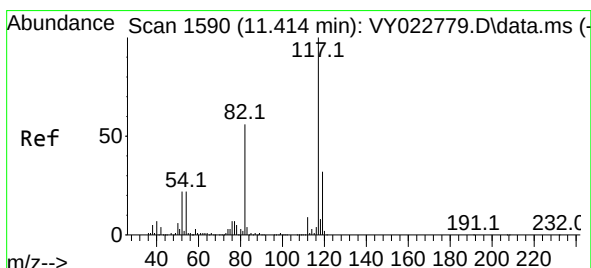
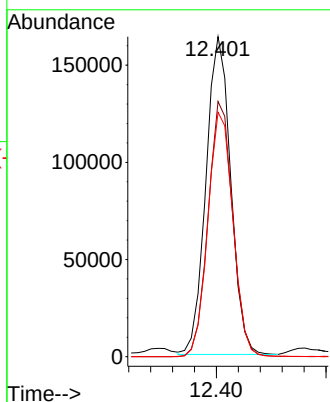
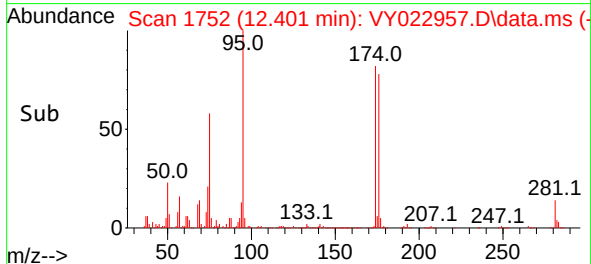
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



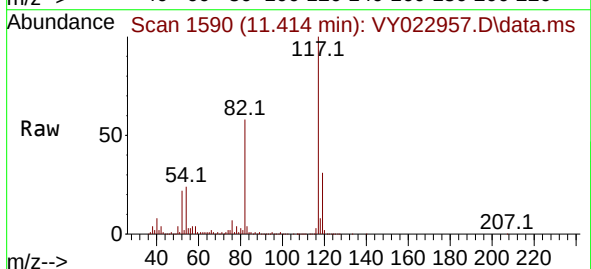
Tgt Ion: 95 Resp: 25614
Ion Ratio Lower Upper
95 100
174 80.0 0.0 170.0
176 78.1 0.0 166.2

Manual Integrations
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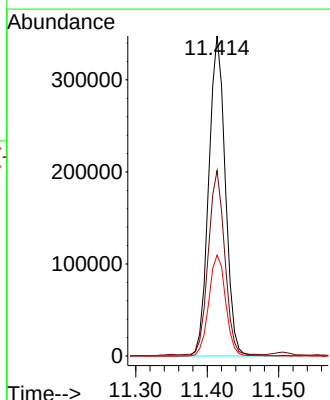
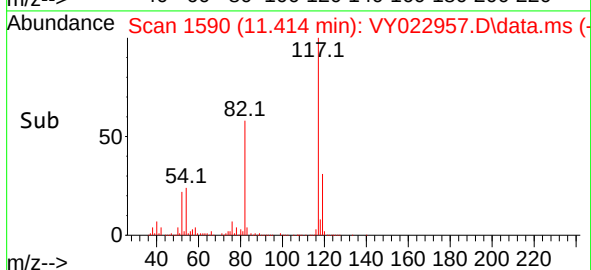
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Supervised By :Semsettin Yesilyurt 07/08/2025

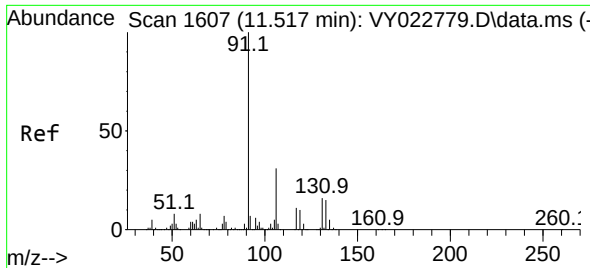


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



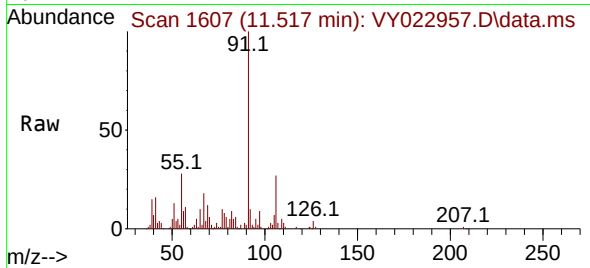
Tgt Ion:117 Resp: 558063
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 31.5 25.4 38.0





#67
Ethyl Benzene
Concen: 2.144 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

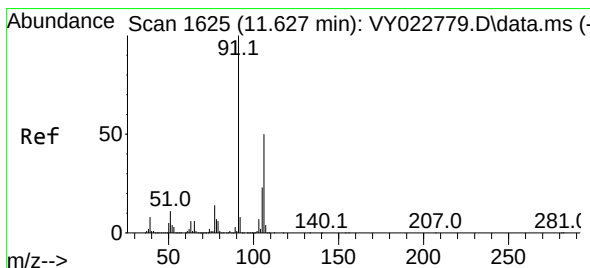
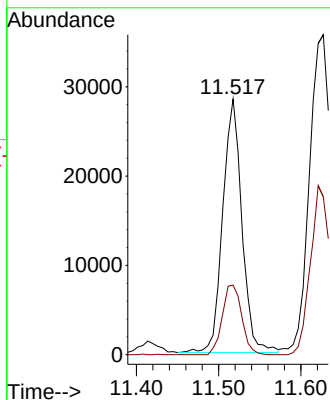
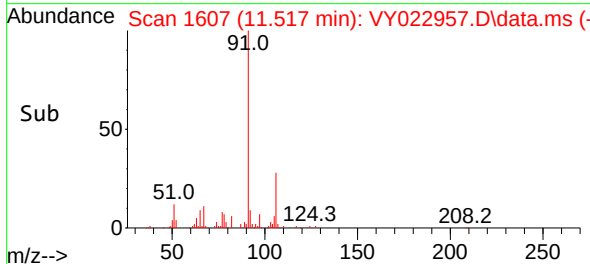
Instrument : MSVOA_Y
ClientSampleId : #63025-A-VOC



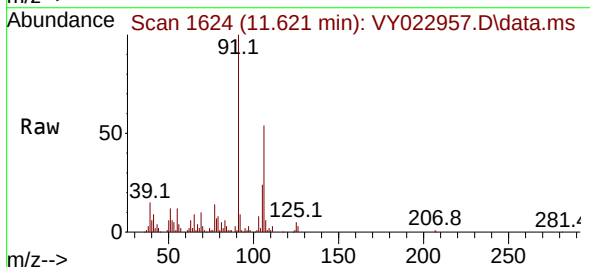
Tgt Ion: 91 Resp: 46190
Ion Ratio Lower Upper
91 100
106 27.4 24.2 36.4

Manual Integrations
APPROVED

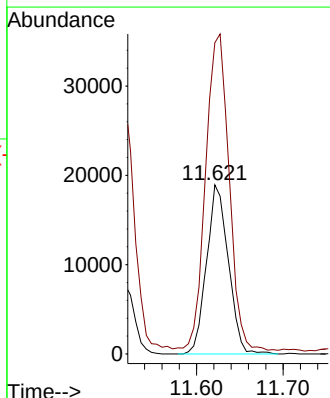
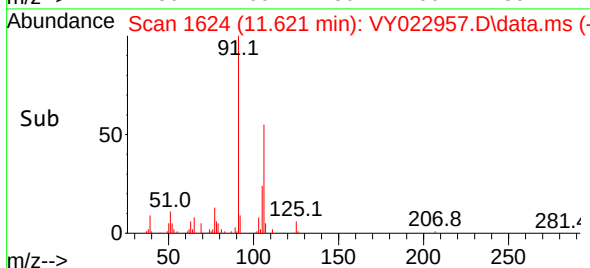
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

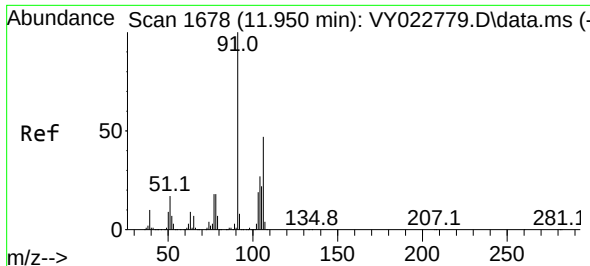


#68
m/p-Xylenes
Concen: 3.975 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



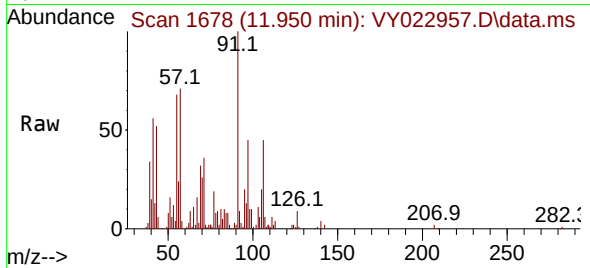
Tgt Ion:106 Resp: 33105
Ion Ratio Lower Upper
106 100
91 201.6 159.4 239.0





#69
o-Xylene
Concen: 1.333 ug/l
RT: 11.950 min Scan# 1045
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

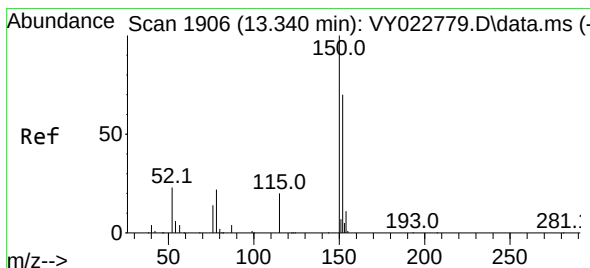
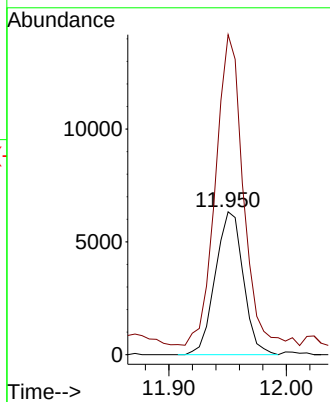
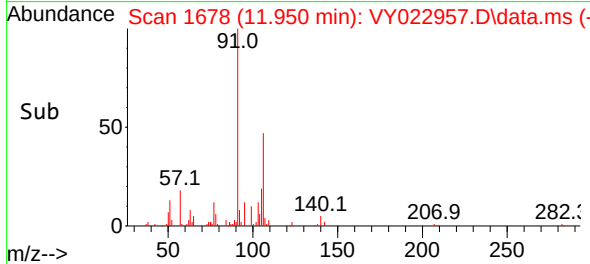
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



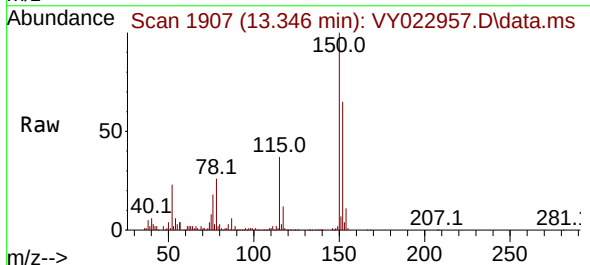
Tgt Ion:106 Resp: 1045
Ion Ratio Lower Upper
106 100
91 216.1 105.8 317.3

Manual Integrations
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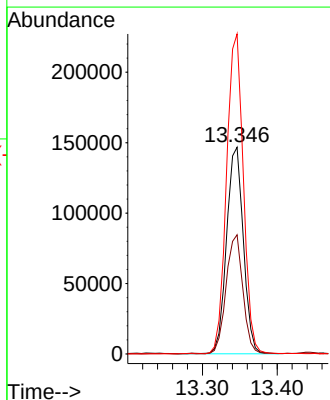
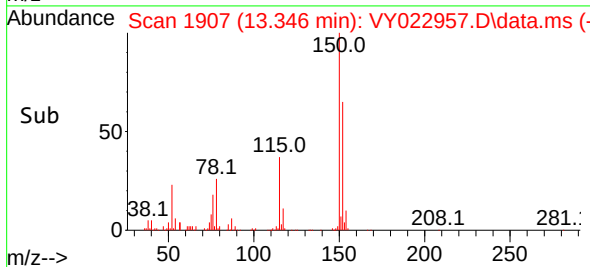
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

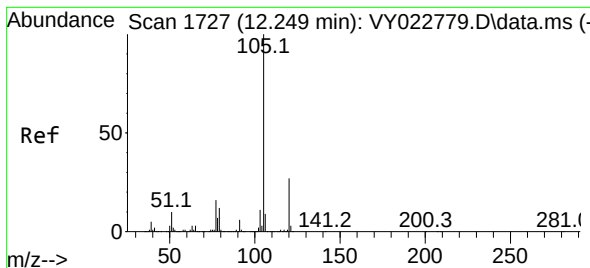


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



Tgt Ion:152 Resp: 229225
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 154.3 0.0 349.6





#73

Isopropylbenzene

Concen: 2.579 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY022957.D

Acq: 07 Jul 2025 14:02

Instrument :

MSVOA_Y

ClientSampleId :

#63025-A-VOC

Tgt Ion:105 Resp: 4372

Ion Ratio Lower Upper

105 100

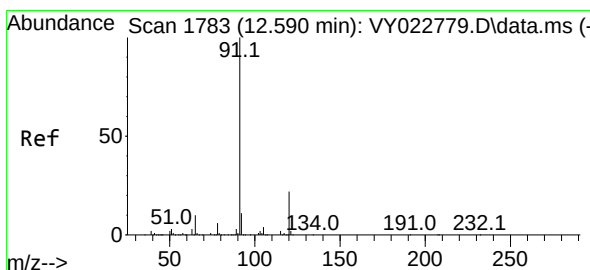
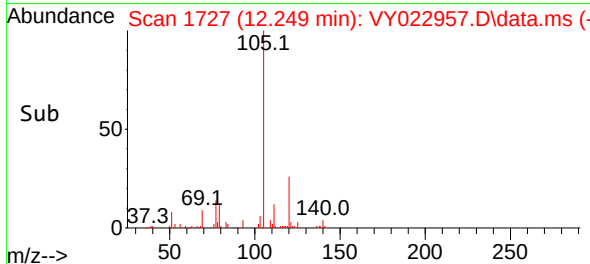
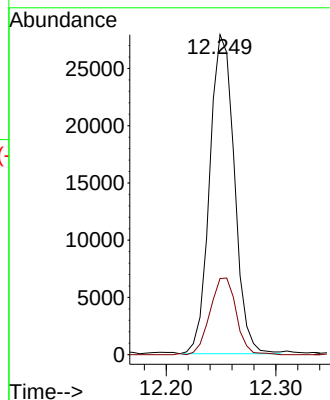
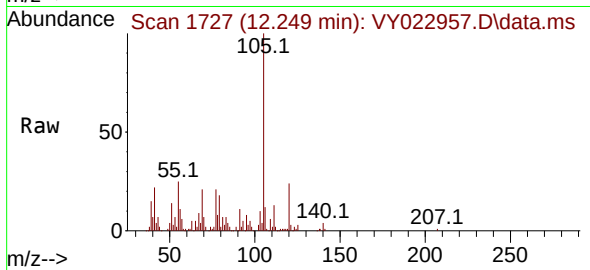
120 25.4 13.0 38.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/08/2025

Supervised By :Semsettin Yesilyurt 07/08/2025



#78

n-propylbenzene

Concen: 5.074 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY022957.D

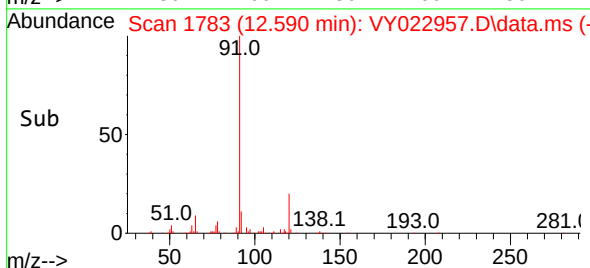
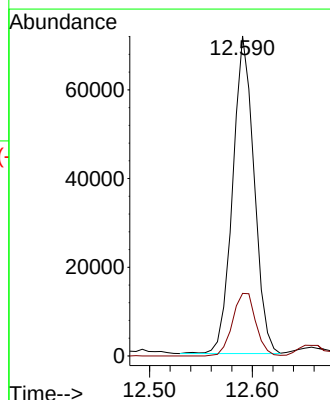
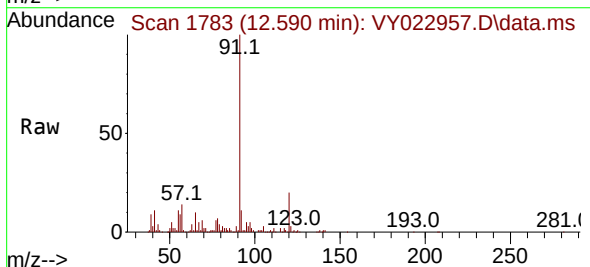
Acq: 07 Jul 2025 14:02

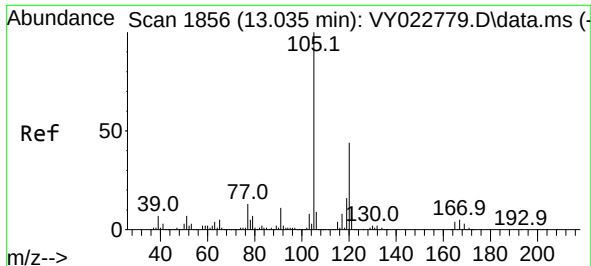
Tgt Ion: 91 Resp: 103853

Ion Ratio Lower Upper

91 100

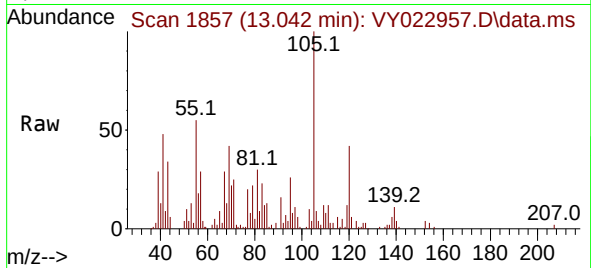
120 21.4 10.8 32.4





#84
1,2,4-Trimethylbenzene
Concen: 1.440 ug/l
RT: 13.042 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

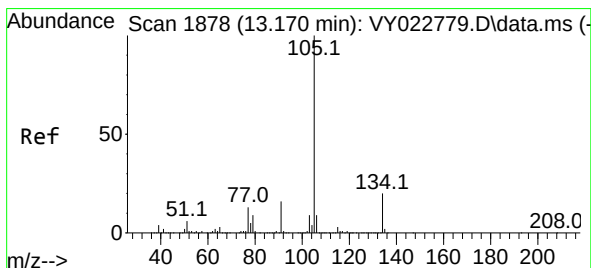
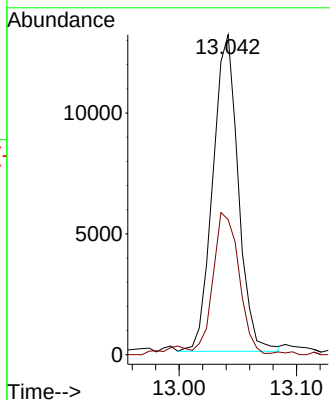
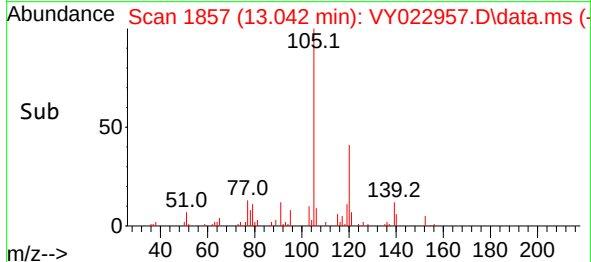
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



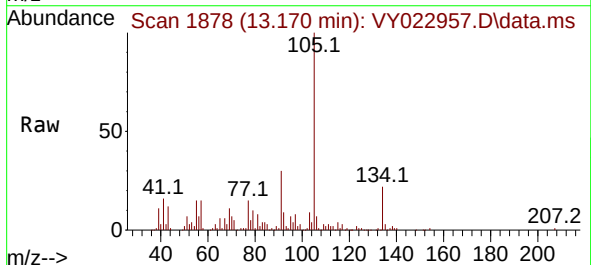
Tgt Ion:105 Resp: 1972
Ion Ratio Lower Upper
105 100
120 44.8 22.7 68.1

Manual Integrations
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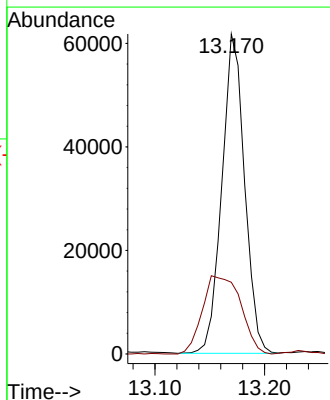
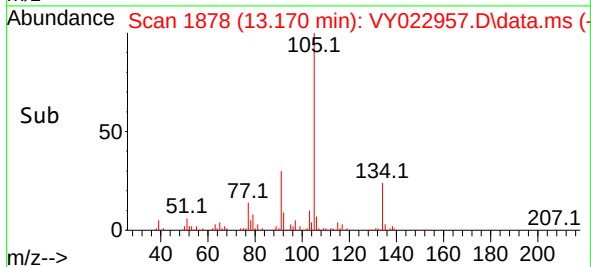
Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

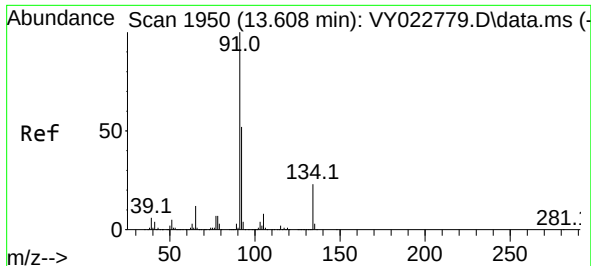


#85
sec-Butylbenzene
Concen: 4.895 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02



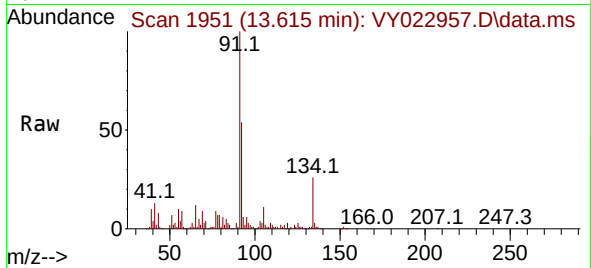
Tgt Ion:105 Resp: 88887
Ion Ratio Lower Upper
105 100
134 41.1 9.7 28.9#





#89
n-Butylbenzene
Concen: 5.973 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

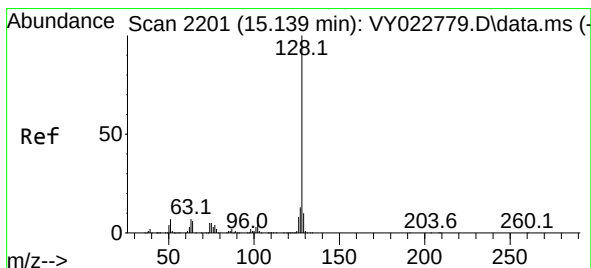
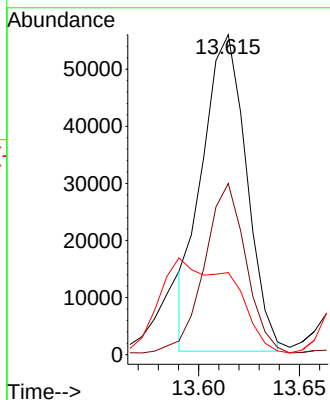
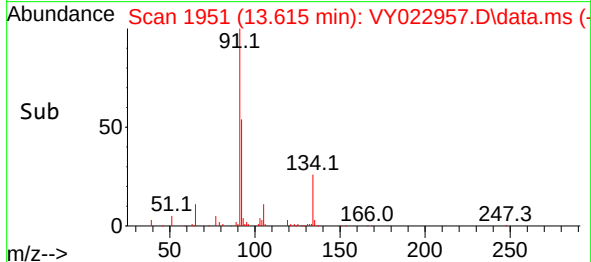
Instrument :
MSVOA_Y
ClientSampleId :
#63025-A-VOC



Tgt Ion: 91 Resp: 84910
Ion Ratio Lower Upper
91 100
92 50.1 25.9 77.8
134 0.0 12.0 36.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025



#95
Naphthalene
Concen: 3.396 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022957.D
Acq: 07 Jul 2025 14:02

Tgt Ion:128 Resp: 23578
Ion Ratio Lower Upper
128 100
127 19.8 10.4 15.6#
129 0.0 8.9 13.3#

