

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021848.D
 Acq On : 10 Apr 2025 19:08
 Operator : SY/MD
 Sample : Q1760-07
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15-VOC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 04/11/2025
 Supervised By : Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 06:33:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	391965	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	729047	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.420	117	529641	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	385775	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152636	35.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.880%		
35) Dibromofluoromethane	7.640	113	166711	35.251	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	70.500%		
50) Toluene-d8	10.115	98	2901048	161.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	322.500%#		
62) 4-Bromofluorobenzene	12.408	95	1034610	170.012	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	340.020%#		
Target Compounds						Qvalue
31) Cyclohexane	7.707	56	27125284	3618.929	ug/l	96
39) Methylcyclohexane	9.103	83	30152157m	3503.973	ug/l	
40) Benzene	8.085	78	398064	18.453	ug/l	99
52) Toluene	10.176	92	1577846	117.233	ug/l	100
67) Ethyl Benzene	11.511	91	25511548m	1225.376	ug/l	
68) m/p-Xylenes	11.627	106	24053176m	3017.091	ug/l	
69) o-Xylene	11.956	106	1380556	187.599	ug/l	89
73) Isopropylbenzene	12.261	105	12799153	446.695	ug/l	95
78) n-propylbenzene	12.590	91	22305852m	647.528	ug/l	
80) 1,3,5-Trimethylbenzene	12.737	105	19369708	827.135	ug/l #	55
84) 1,2,4-Trimethylbenzene	13.036	105	28071951m	1212.863	ug/l	
85) sec-Butylbenzene	13.182	105	5603075	183.815	ug/l #	59
86) p-Isopropyltoluene	13.298	119	2936615	116.562	ug/l	96
89) n-Butylbenzene	13.621	91	8626565	370.248	ug/l #	74
95) Naphthalene	15.145	128	15877922	1497.104	ug/l #	92

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

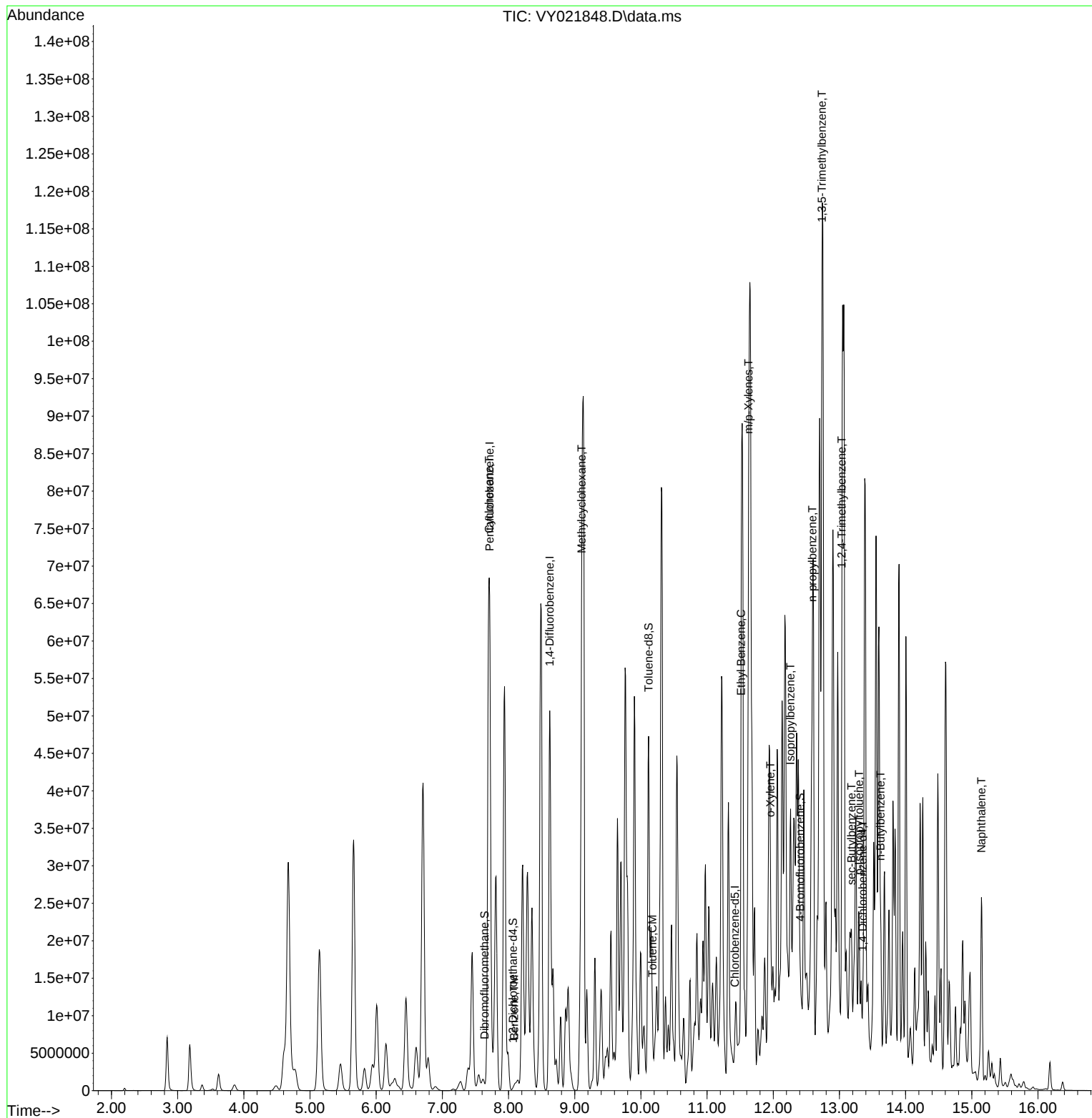
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021848.D
Acq On : 10 Apr 2025 19:08
Operator : SY/MD
Sample : Q1760-07
Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

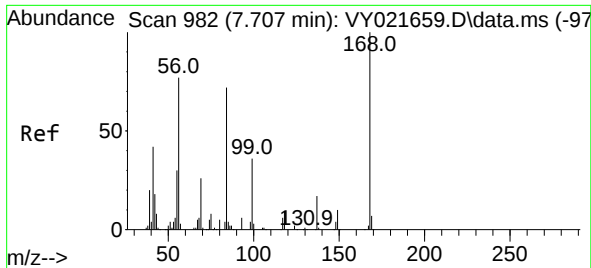
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

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Supervised By :Semsettin Yesilyurt 04/11/2025

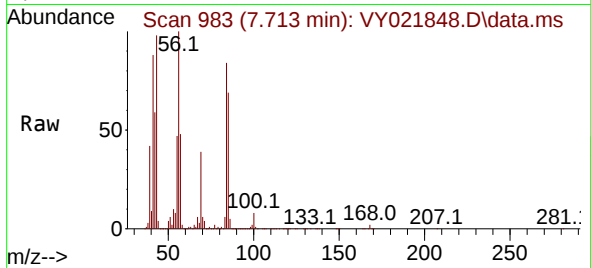
Quant Time: Apr 11 06:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

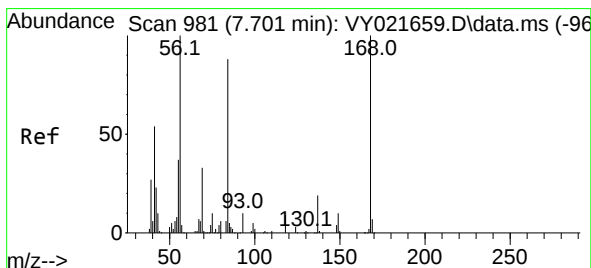
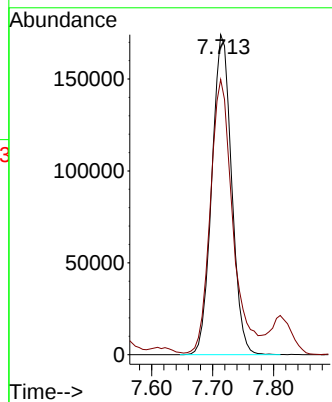
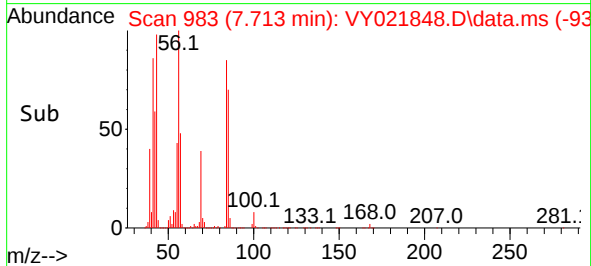
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



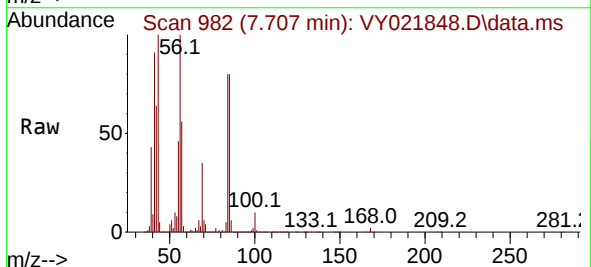
Tgt Ion:168 Resp: 39196
Ion Ratio Lower Upper
168 100
99 85.3 46.7 70.1

Manual Integrations
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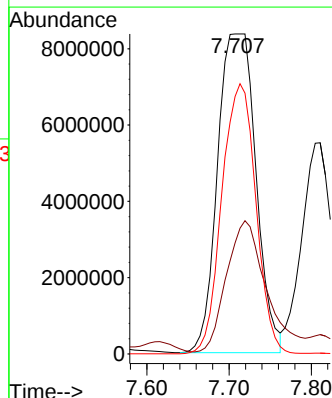
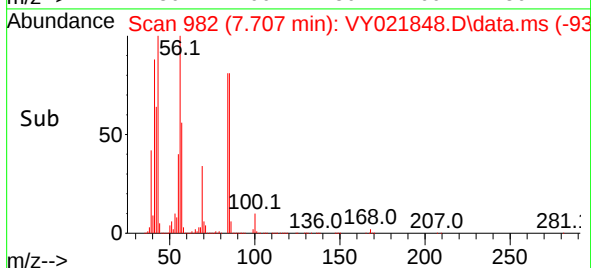
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

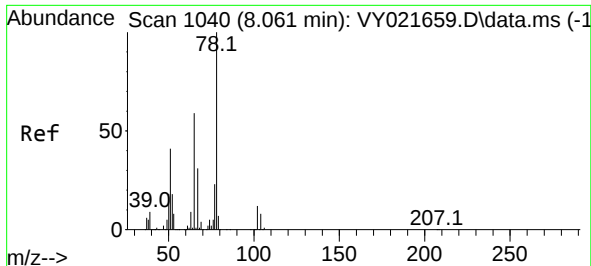


#31
Cyclohexane
Concen: 3618.929 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08



Tgt Ion: 56 Resp:27125284
Ion Ratio Lower Upper
56 100
69 33.2 26.6 40.0
84 80.7 69.0 103.4





#33

1,2-Dichloroethane-d4

Concen: 35.941 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021848.D

Acq: 10 Apr 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-15-VOC

Tgt Ion: 65 Resp: 152630

Ion Ratio Lower Upper

65 100

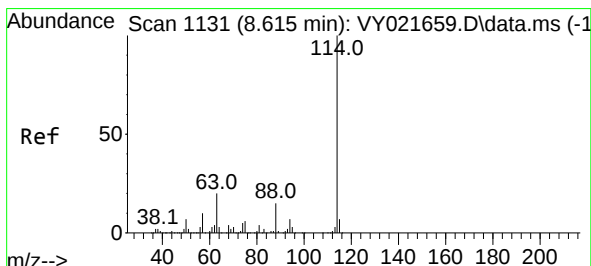
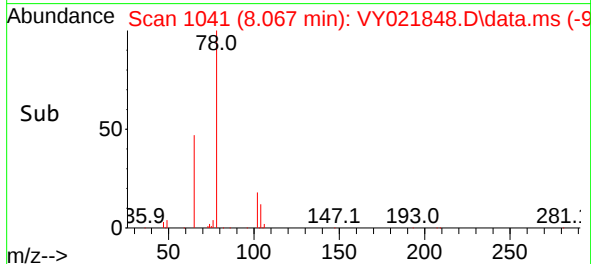
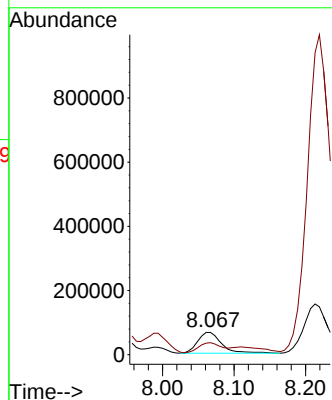
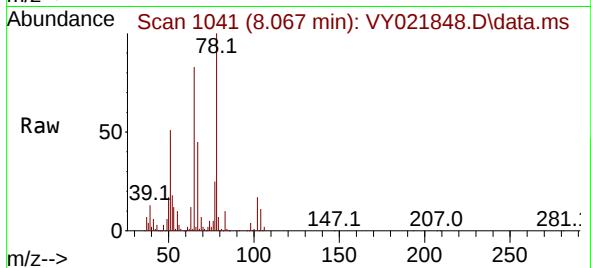
67 0.0 0.0 104.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021848.D

Acq: 10 Apr 2025 19:08

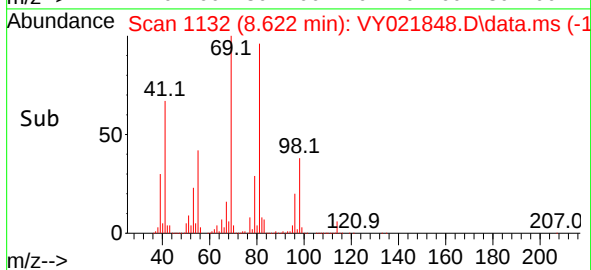
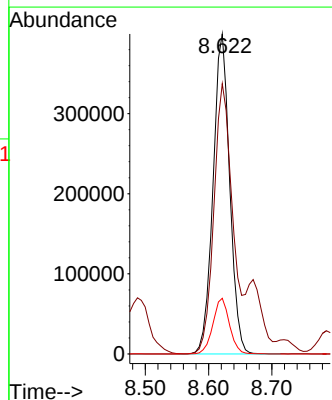
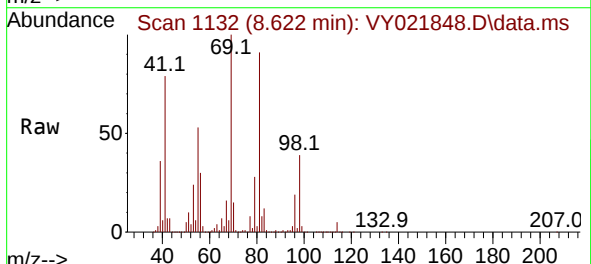
Tgt Ion:114 Resp: 729047

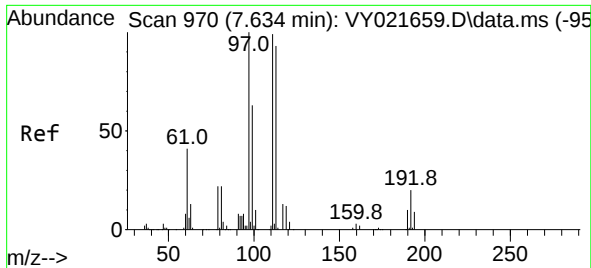
Ion Ratio Lower Upper

114 100

63 84.3 0.0 40.2#

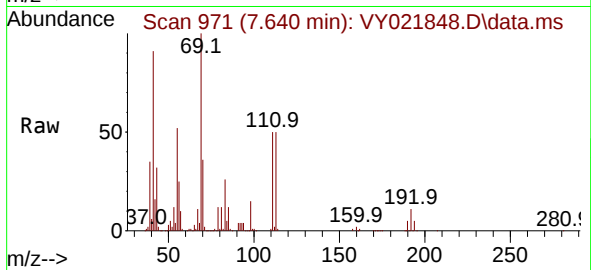
88 17.4 0.0 29.8





#35
Dibromofluoromethane
Concen: 35.251 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

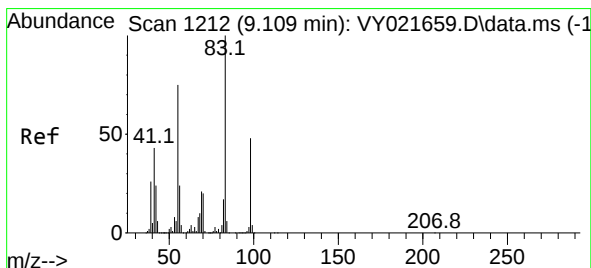
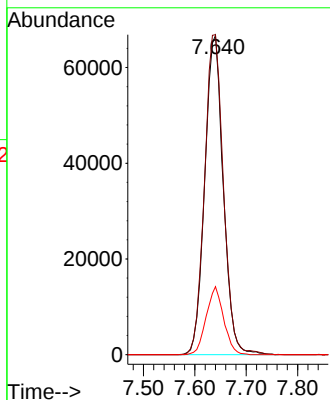
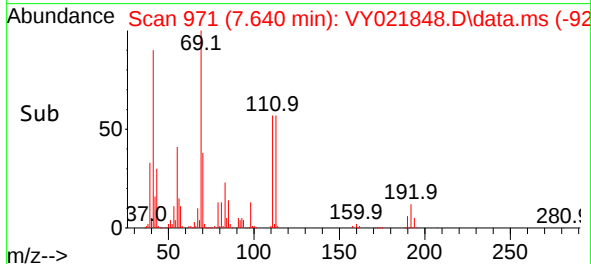
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



Tgt Ion: 113 Resp: 16671
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 20.1 16.2 24.4

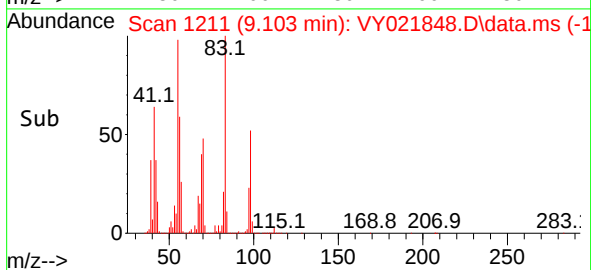
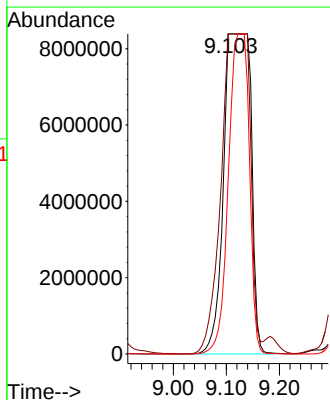
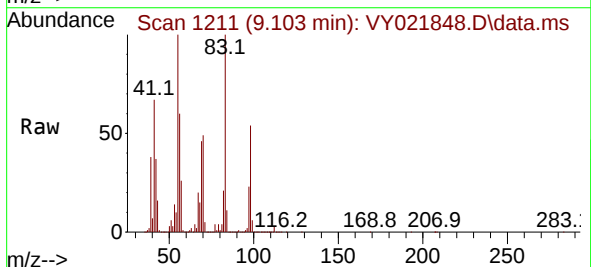
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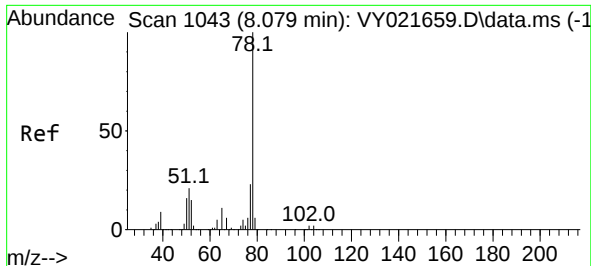
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#39
Methylcyclohexane
Concen: 3503.973 ug/l m
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

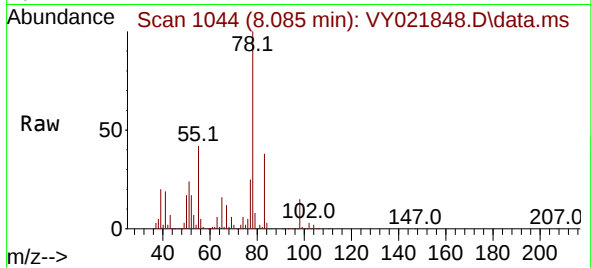
Tgt Ion: 83 Resp: 30152157
Ion Ratio Lower Upper
83 100
55 100.0 59.7 89.5#
98 54.4 38.3 57.5





#40
Benzene
Concen: 18.453 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

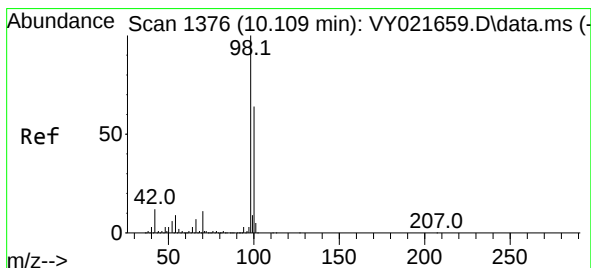
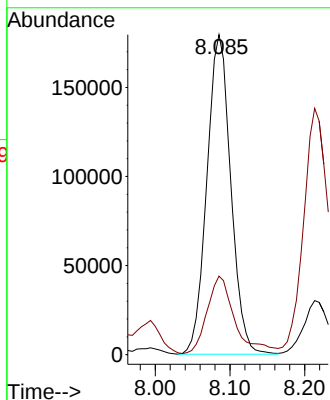
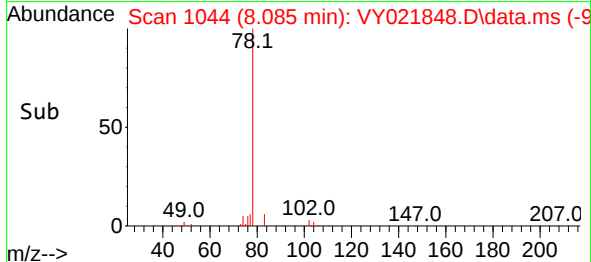
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



Tgt Ion: 78 Resp: 398064
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

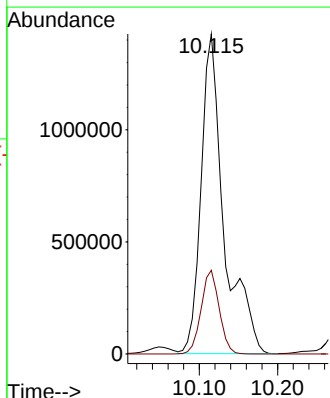
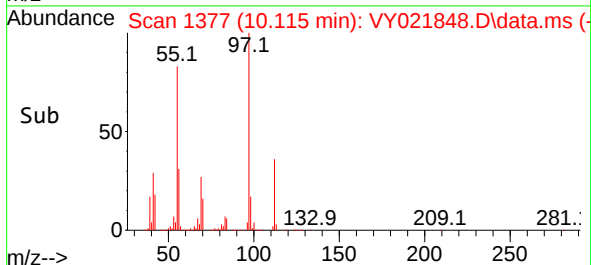
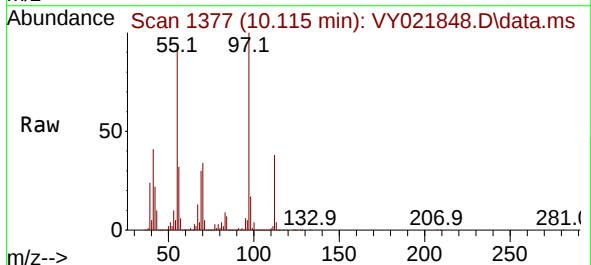
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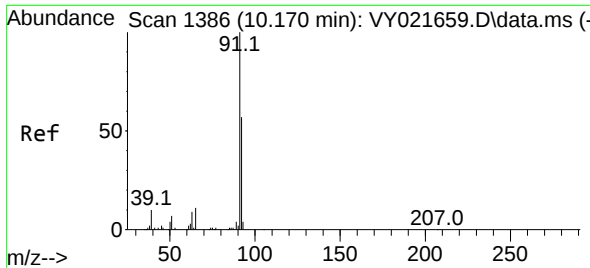
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#50
Toluene-d8
Concen: 161.247 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

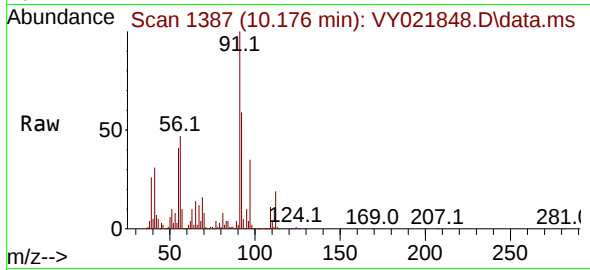
Tgt Ion: 98 Resp: 2901048
Ion Ratio Lower Upper
98 100
100 20.5 52.1 78.1#





#52
Toluene
Concen: 117.233 ug/l
RT: 10.176 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

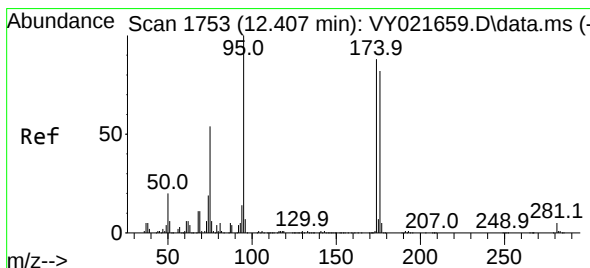
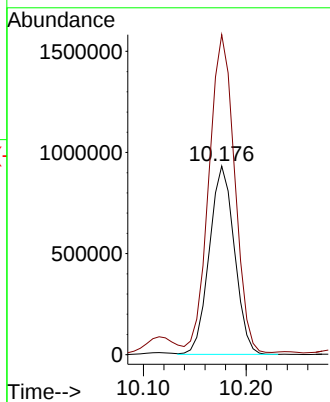
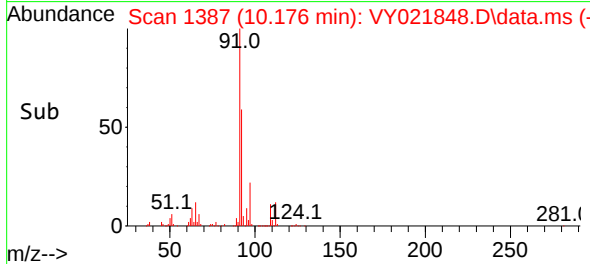
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



Tgt Ion: 92 Resp: 1577840
Ion Ratio Lower Upper
92 100
91 172.7 138.6 207.8

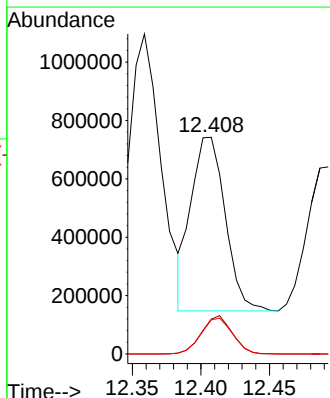
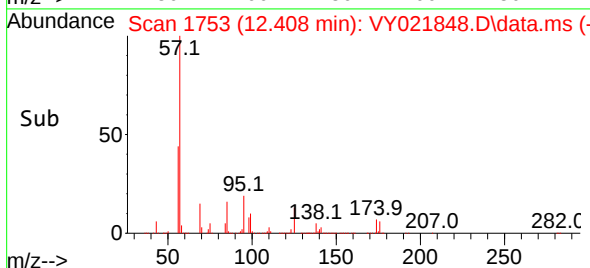
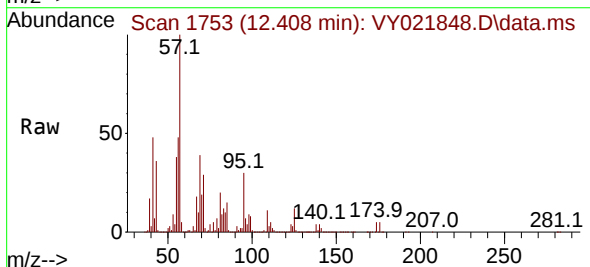
Manual Integrations
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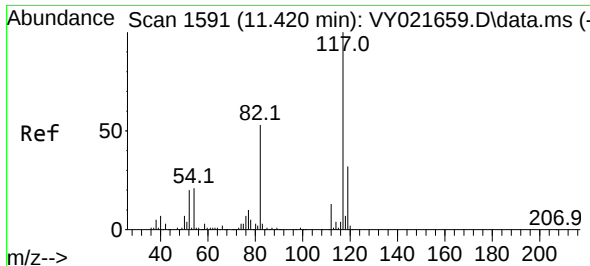
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#62
4-Bromofluorobenzene
Concen: 170.012 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

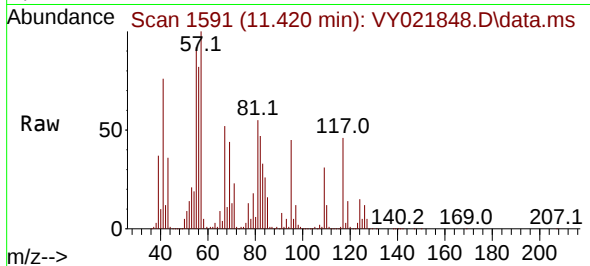
Tgt Ion: 95 Resp: 1034610
Ion Ratio Lower Upper
95 100
174 19.7 0.0 170.8
176 19.1 0.0 162.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

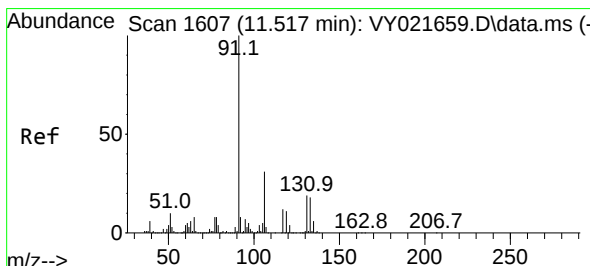
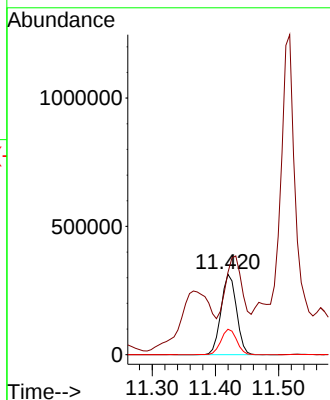
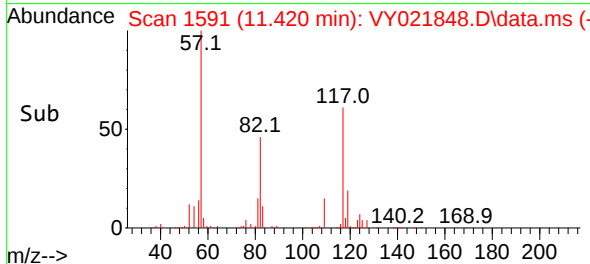
Instrument :
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TP-15-VOC



Tgt Ion:117 Resp: 52964
Ion Ratio Lower Upper
117 100
82 71.8 42.8 64.2
119 31.6 25.7 38.5

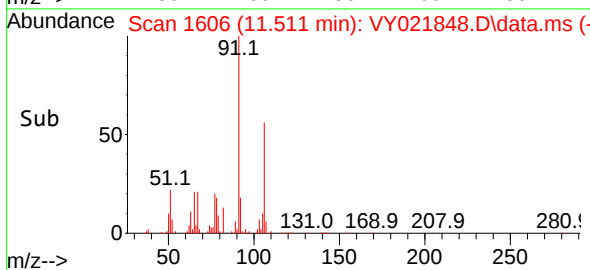
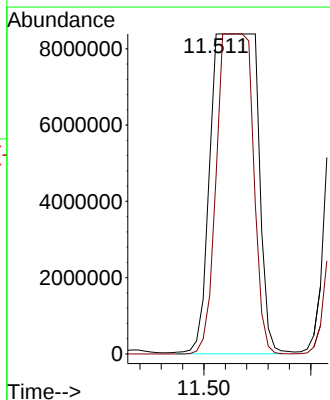
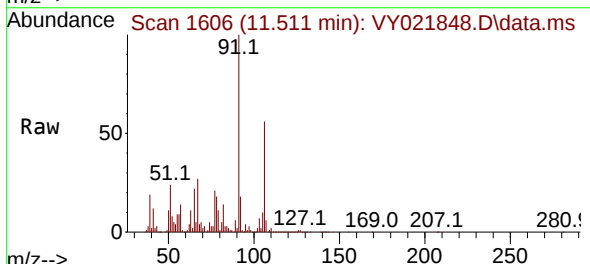
Manual Integrations
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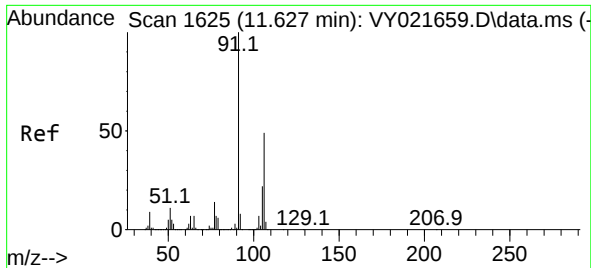
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



#67
Ethyl Benzene
Concen: 1225.376 ug/l m
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

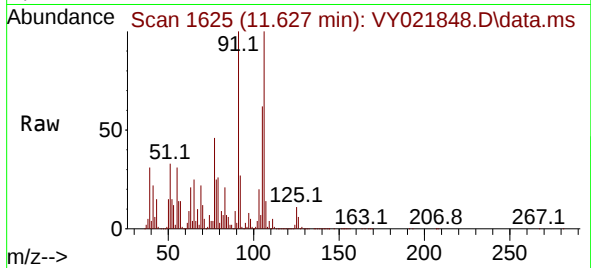
Tgt Ion: 91 Resp:25511548
Ion Ratio Lower Upper
91 100
106 55.8 24.6 36.8#





#68
m/p-Xylenes
Concen: 3017.091 ug/l m
RT: 11.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

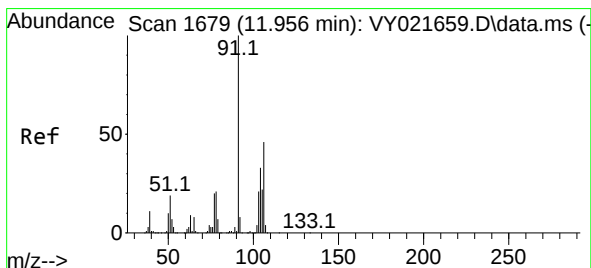
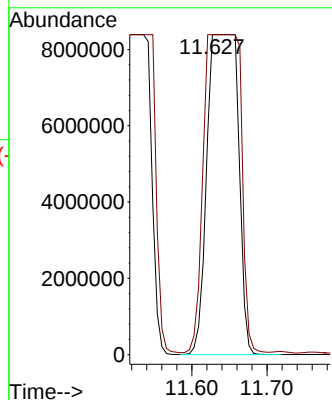
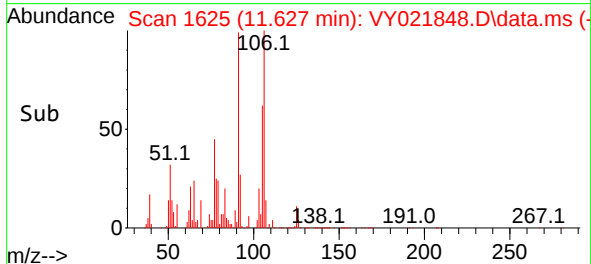
Instrument :
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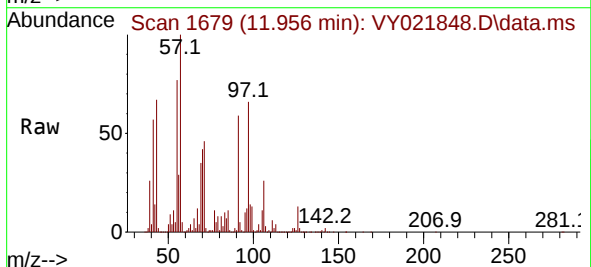
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Ion Ratio Lower Upper
106 100
91 0.0 162.4 243.6

Manual Integrations
APPROVED

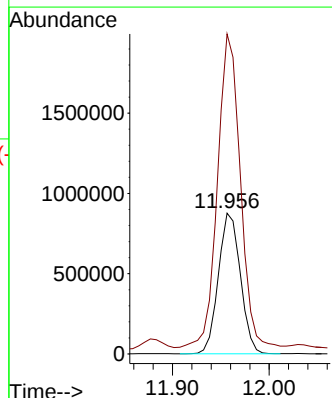
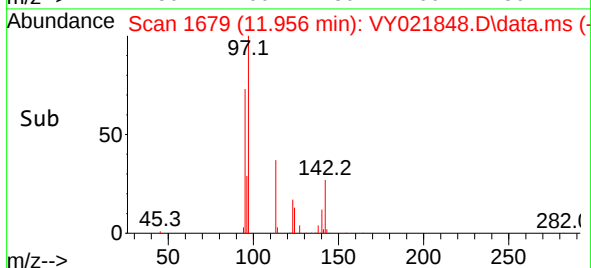
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

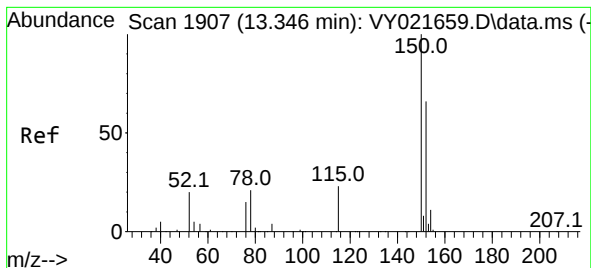


#69
o-Xylene
Concen: 187.599 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08



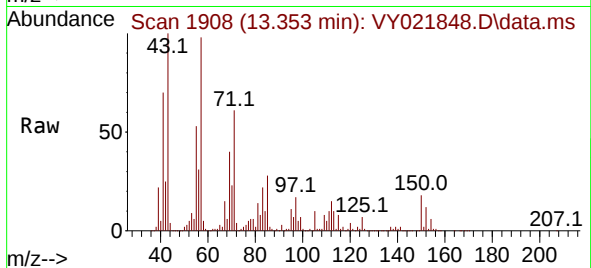
Tgt Ion:106 Resp: 1380556
Ion Ratio Lower Upper
106 100
91 230.5 106.7 319.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

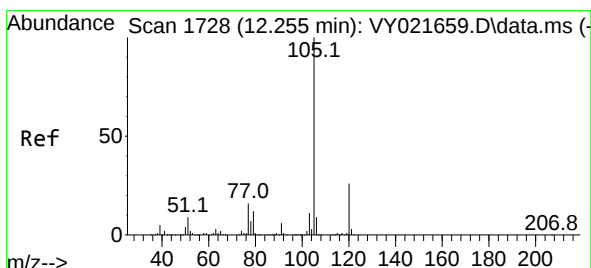
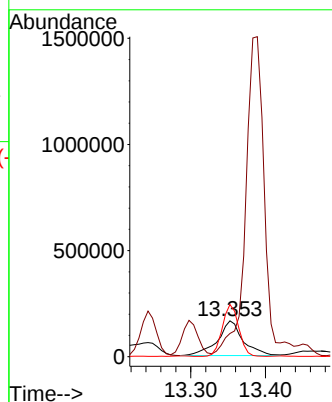
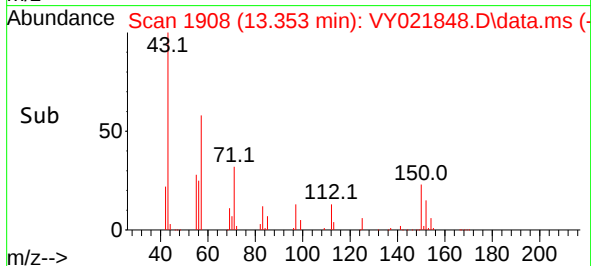
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



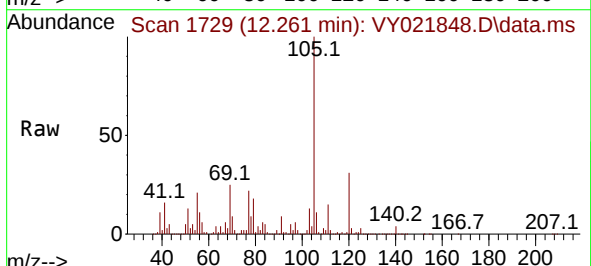
Tgt Ion:152 Resp: 385779
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5
150 97.7 0.0 348.4

Manual Integrations
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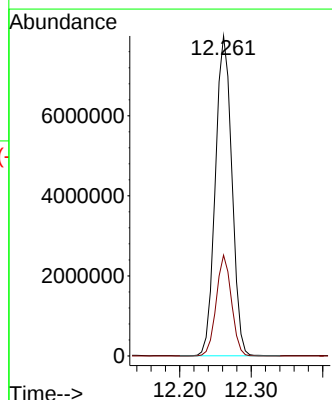
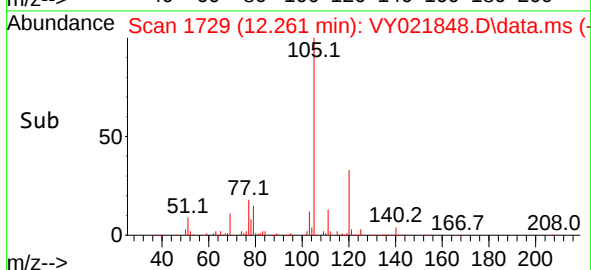
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

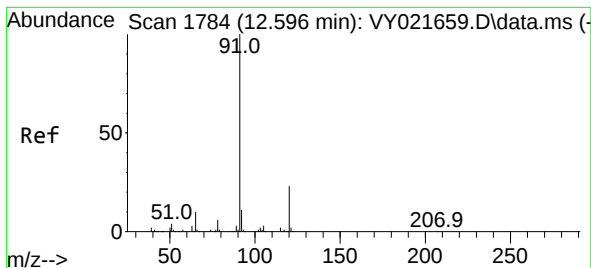


#73
Isopropylbenzene
Concen: 446.695 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08



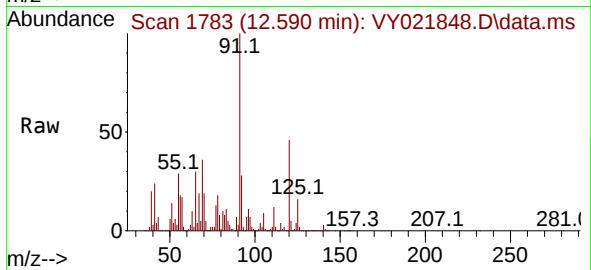
Tgt Ion:105 Resp:12799153
Ion Ratio Lower Upper
105 100
120 29.0 13.2 39.5





#78
n-propylbenzene
Concen: 647.528 ug/l m
RT: 12.590 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

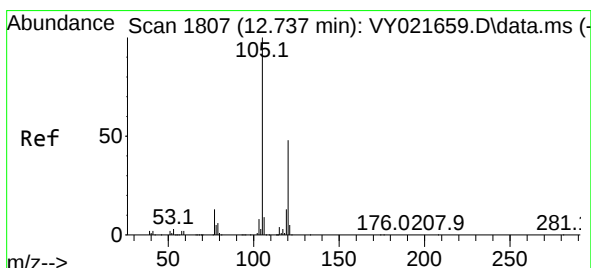
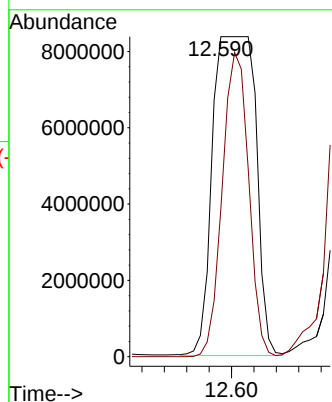
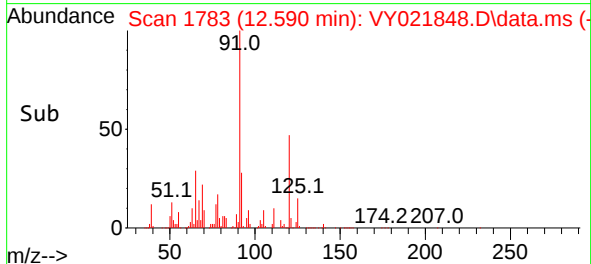
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



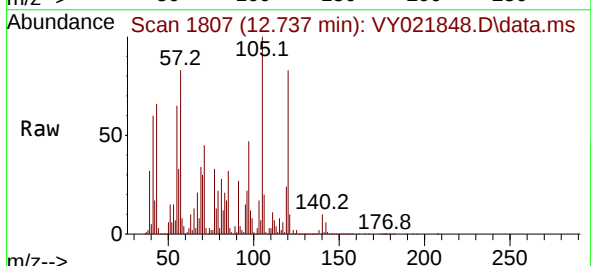
Tgt Ion: 91 Resp:2230585
Ion Ratio Lower Upper
91 100
120 77.5 11.3 33.9

Manual Integrations
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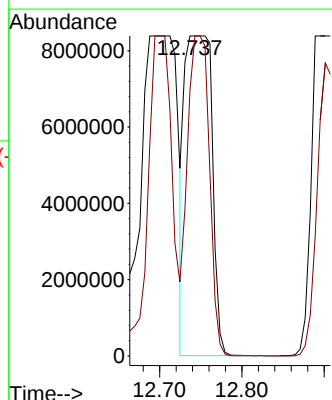
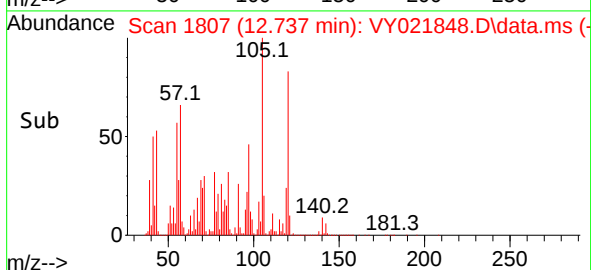
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

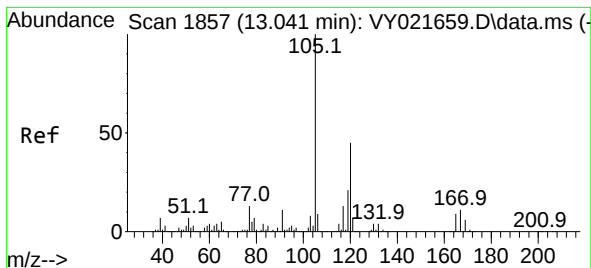


#80
1,3,5-Trimethylbenzene
Concen: 827.135 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08



Tgt Ion:105 Resp:19369708
Ion Ratio Lower Upper
105 100
120 80.0 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 1212.863 ug/l m

RT: 13.036 min Scan# 1856

Delta R.T. -0.006 min

Lab File: VY021848.D

Acq: 10 Apr 2025 19:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-15-VOC

Tgt Ion:105 Resp:2807195

Ion Ratio Lower Upper

105 100

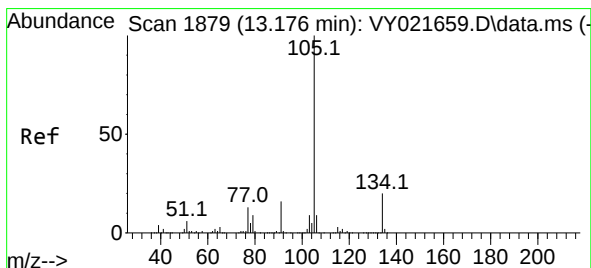
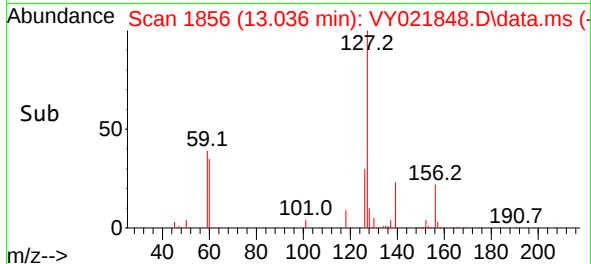
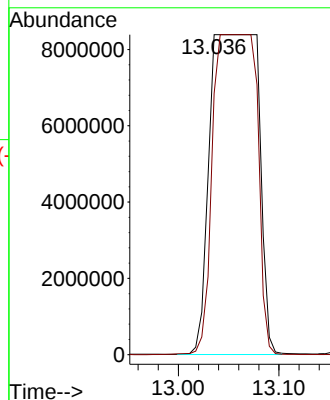
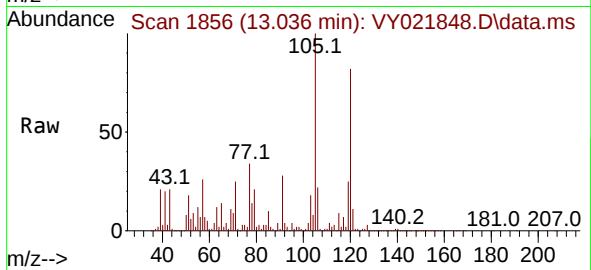
120 0.0 22.7 68.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025

Supervised By :Semsettin Yesilyurt 04/11/2025



#85

sec-Butylbenzene

Concen: 183.815 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VY021848.D

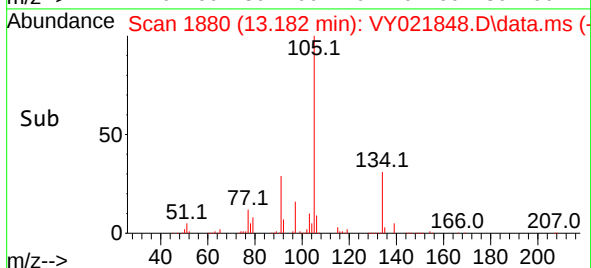
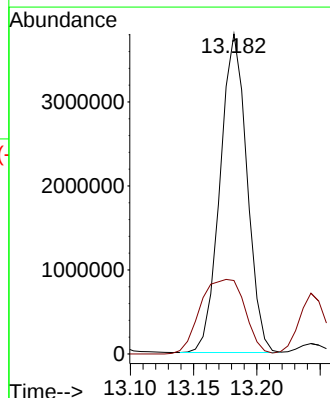
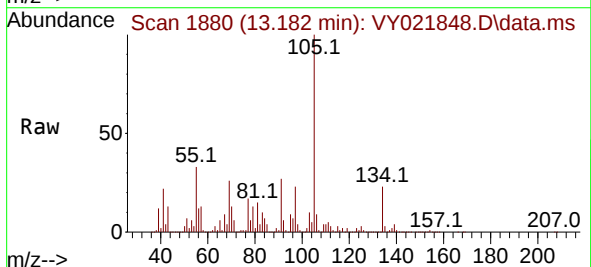
Acq: 10 Apr 2025 19:08

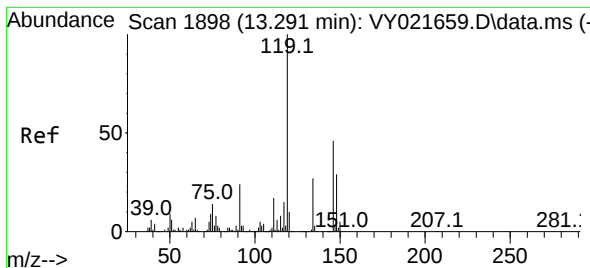
Tgt Ion:105 Resp: 5603075

Ion Ratio Lower Upper

105 100

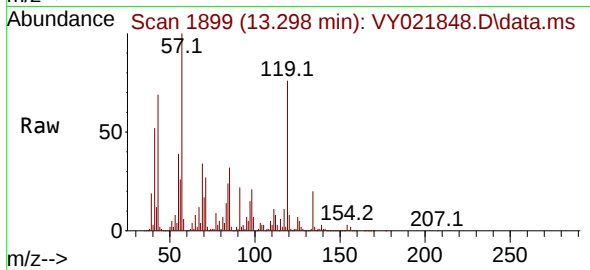
134 38.8 10.1 30.1





#86
p-Isopropyltoluene
Concen: 116.562 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

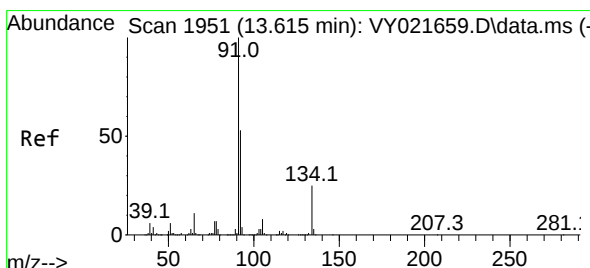
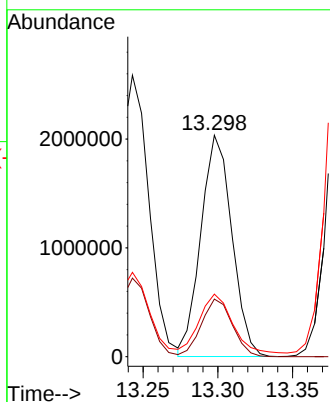
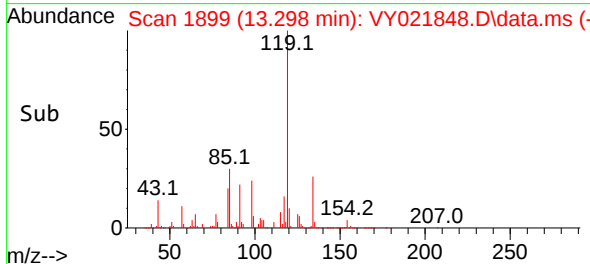
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



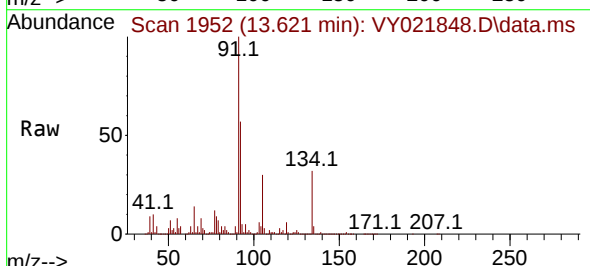
Tgt Ion:119 Resp: 2936615
Ion Ratio Lower Upper
119 100
134 26.0 13.2 39.5
91 27.6 12.0 36.0

Manual Integrations
APPROVED

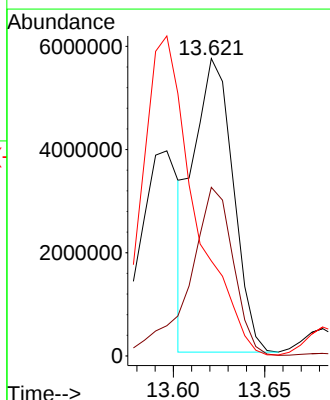
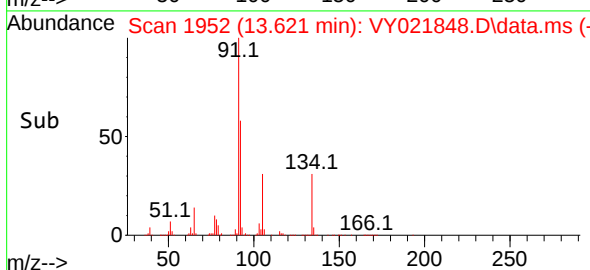
Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

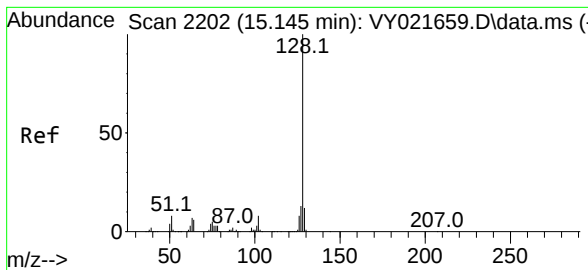


#89
n-Butylbenzene
Concen: 370.248 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08



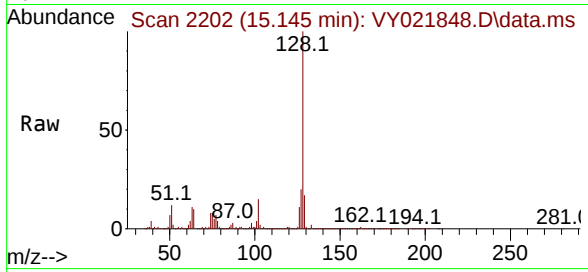
Tgt Ion: 91 Resp: 8626565
Ion Ratio Lower Upper
91 100
92 63.2 26.4 79.2
134 0.0 12.8 38.4#





#95
Naphthalene
Concen: 1497.104 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021848.D
Acq: 10 Apr 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC



Tgt Ion:128 Resp:1587792

Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.8	16.2
129	14.2	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

