

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021569.D
 Acq On : 19 Mar 2025 14:34
 Operator : SY/MD
 Sample : Q1598-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-354

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 03/20/2025
 Supervised By : Semsettin Yesilyurt 03/20/2025

Quant Time: Mar 20 03:31:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	47096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	62991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	51621	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	18044	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13853	27.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	55.660%		
35) Dibromofluoromethane	7.634	113	17821	43.041	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.080%		
50) Toluene-d8	10.128	98	100102	63.852	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery =	127.700%		
62) 4-Bromofluorobenzene	12.408	95	31591m	59.240	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	118.480%		
Target Compounds					Qvalue	
16) Acetone	3.860	43	60657	558.693	ug/l	90
25) 2-Butanone	6.896	43	17711201	117929.717	ug/l	96
31) Cyclohexane	7.695	56	82769	88.783	ug/l	90
39) Methylcyclohexane	9.109	83	369605	464.918	ug/l	99
40) Benzene	8.079	78	52259	27.372	ug/l	93
42) 1,2-Dichloroethane	8.158	62	7319	13.703	ug/l	# 75
51) 4-Methyl-2-Pentanone	9.999	43	49028040m	170874.587	ug/l	
52) Toluene	10.164	92	50338400m	41820.540	ug/l	
67) Ethyl Benzene	11.518	91	1393286	651.189	ug/l	100
68) m/p-Xylenes	11.627	106	1234207	1519.397	ug/l	97
69) o-Xylene	11.956	106	554295	740.396	ug/l	98
73) Isopropylbenzene	12.255	105	196906	138.532	ug/l	99
78) n-propylbenzene	12.597	91	373542	216.393	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	502638	435.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1659084	1446.620	ug/l	100
85) sec-Butylbenzene	13.176	105	127088	82.893	ug/l	84
86) p-Isopropyltoluene	13.292	119	98989	78.370	ug/l	99
89) n-Butylbenzene	13.615	91	126351	108.331	ug/l	# 78

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

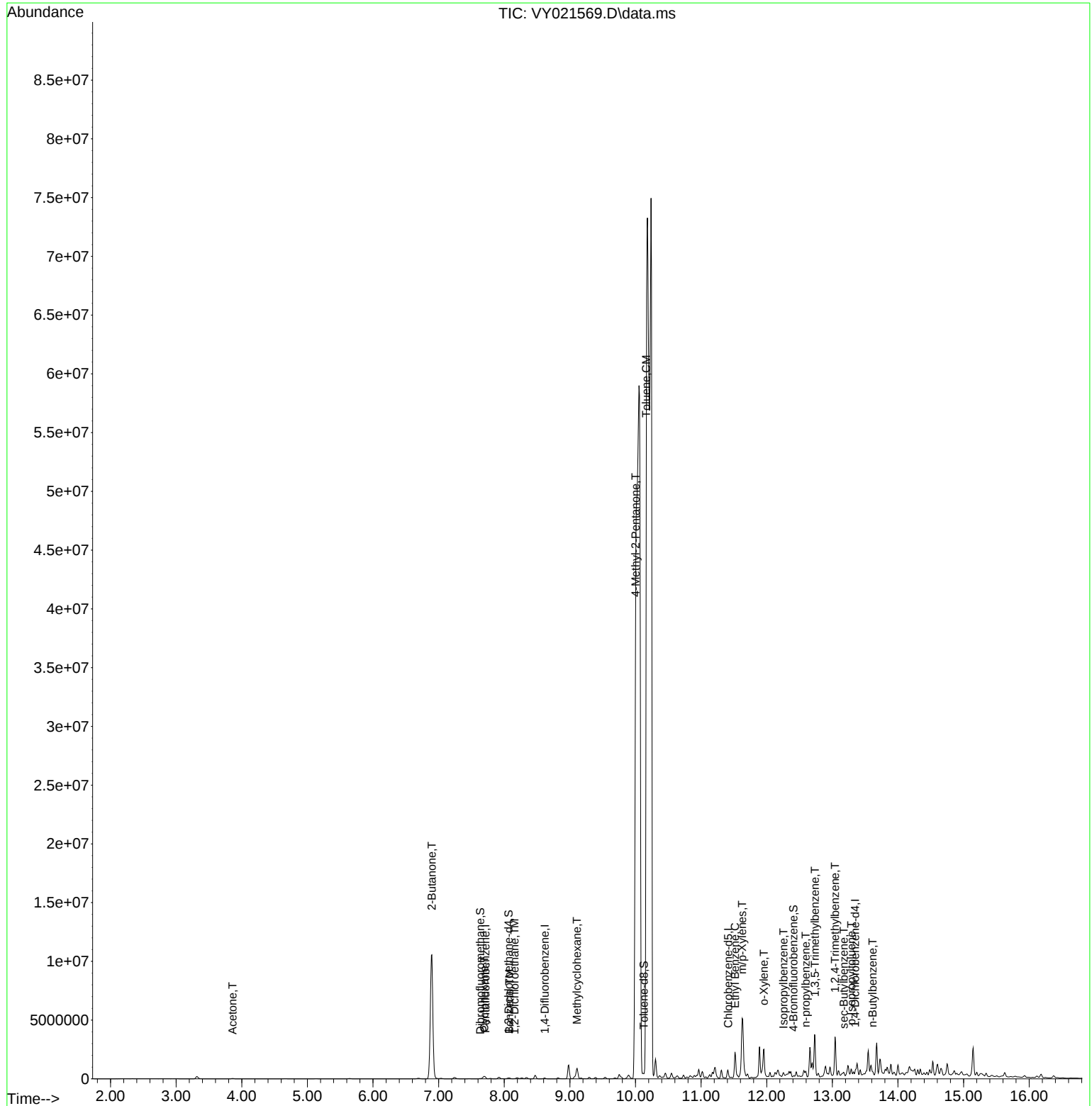
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
Data File : VY021569.D
Acq On : 19 Mar 2025 14:34
Operator : SY/MD
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
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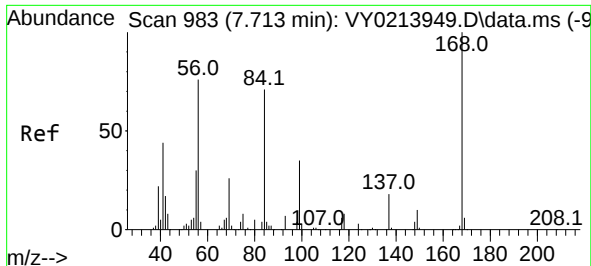
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

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Supervised By :Semsettin Yesilyurt 03/20/2025

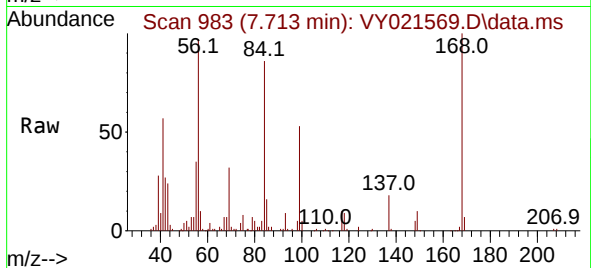
Quant Time: Mar 20 03:31:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

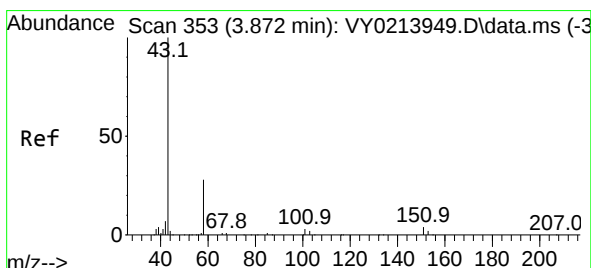
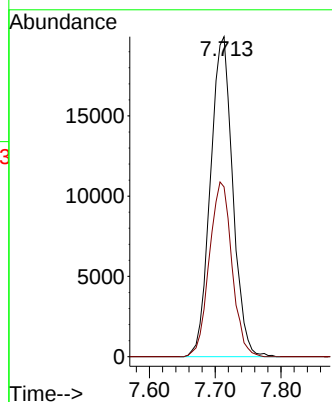
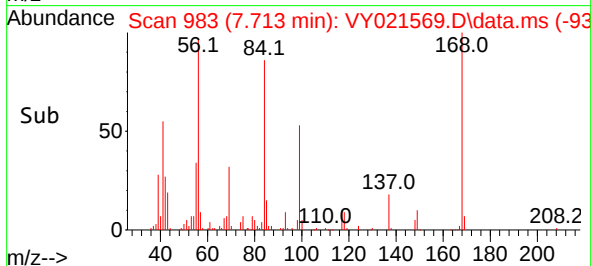
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



Tgt Ion:168 Resp: 47090
Ion Ratio Lower Upper
168 100
99 53.0 46.0 69.0

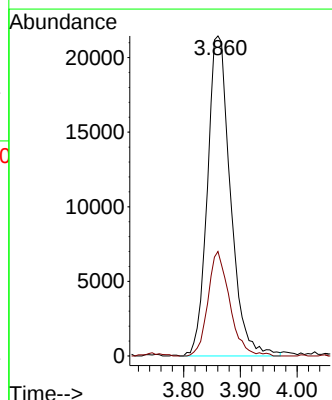
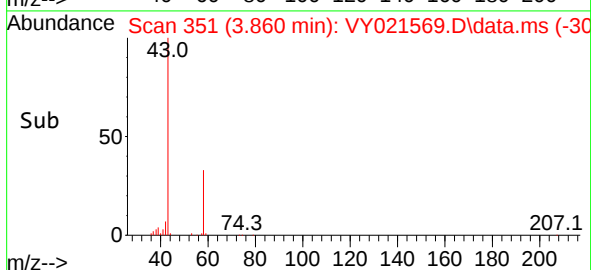
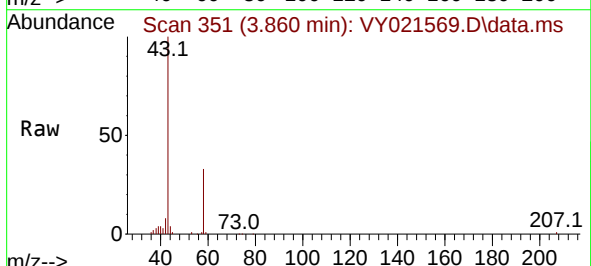
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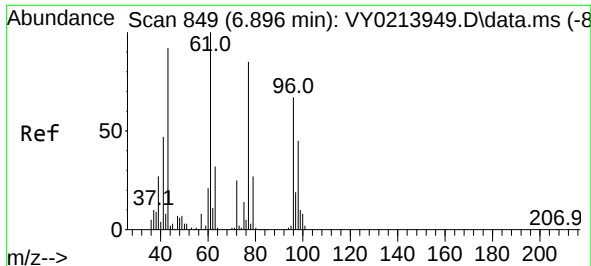
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#16
Acetone
Concen: 558.693 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

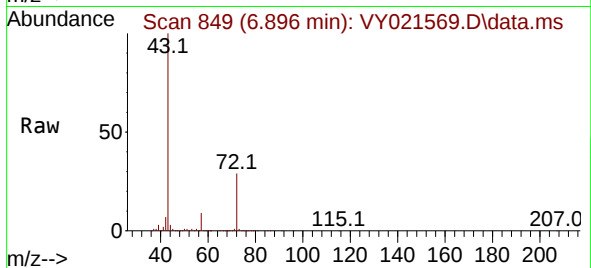
Tgt Ion: 43 Resp: 60657
Ion Ratio Lower Upper
43 100
58 32.7 22.1 33.1





#25
2-Butanone
Concen: 117929.717 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

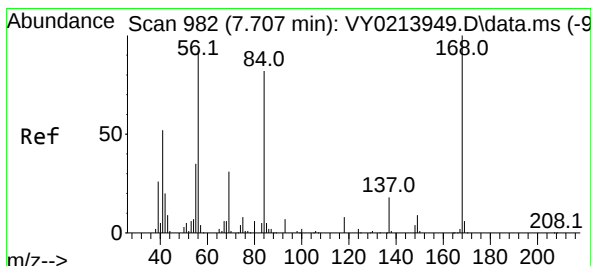
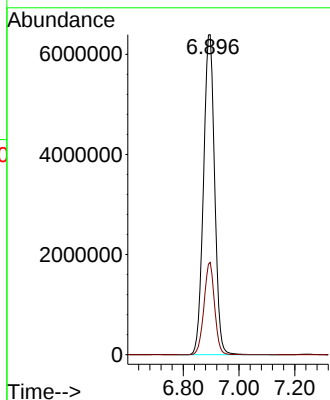
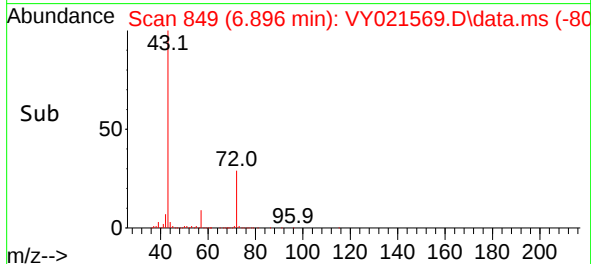
Instrument :
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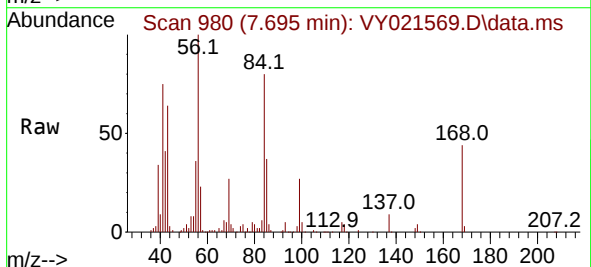
Tgt Ion: 43 Resp:1771120
Ion Ratio Lower Upper
43 100
72 28.9 21.4 32.0

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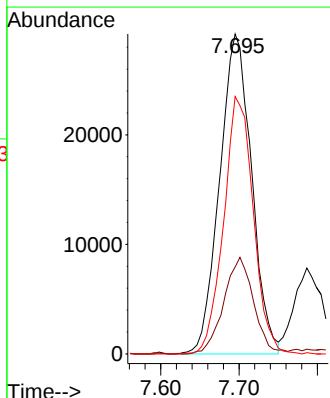
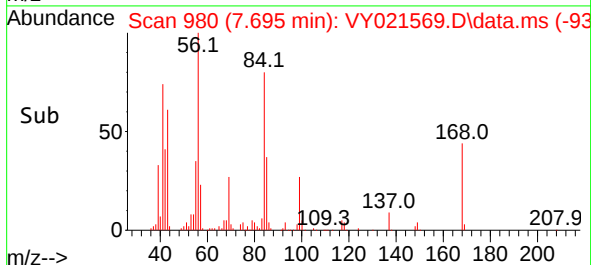
Reviewed By :Mahesh Dadoda 03/20/2025
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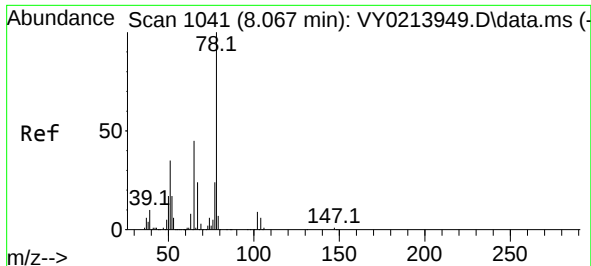


#31
Cyclohexane
Concen: 88.783 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34



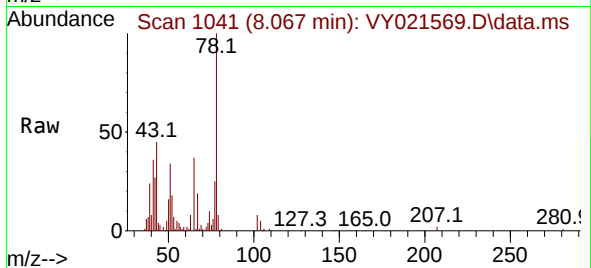
Tgt Ion: 56 Resp: 82769
Ion Ratio Lower Upper
56 100
69 27.0 27.0 40.4
84 80.4 71.1 106.7





#33
1,2-Dichloroethane-d4
Concen: 27.830 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

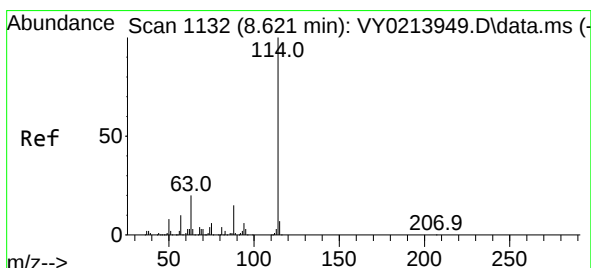
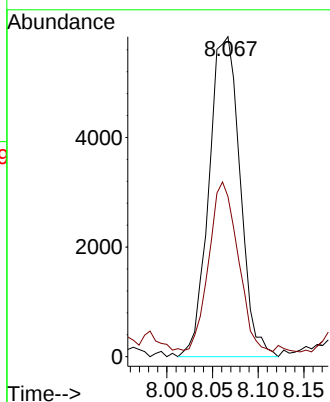
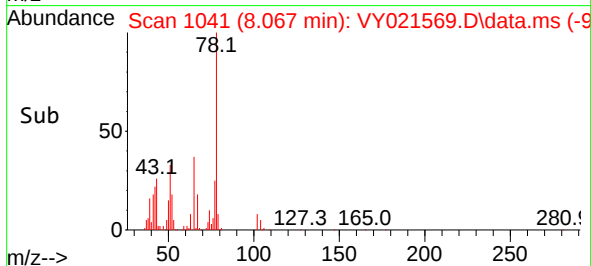
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 65 Resp: 1385
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.8

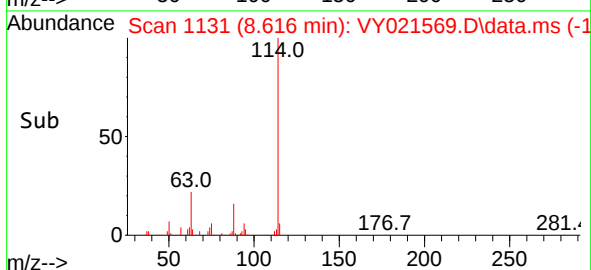
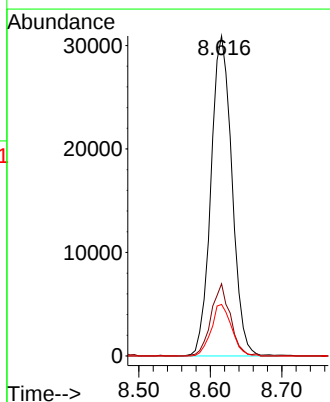
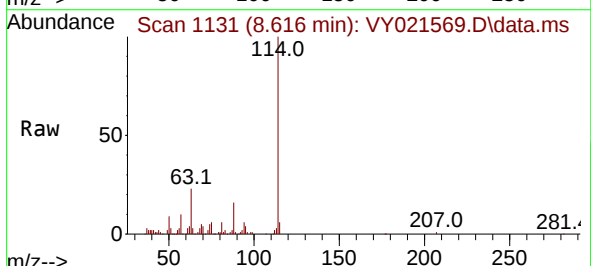
Manual Integrations
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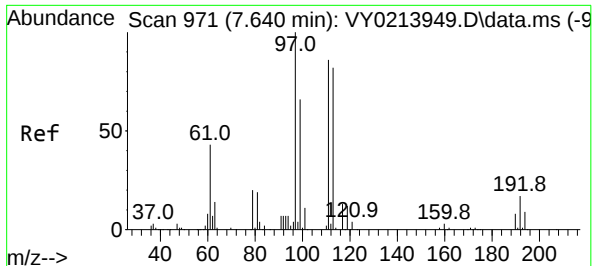
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Tgt Ion:114 Resp: 62991
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.8
88 16.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.041 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021569.D

Acq: 19 Mar 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

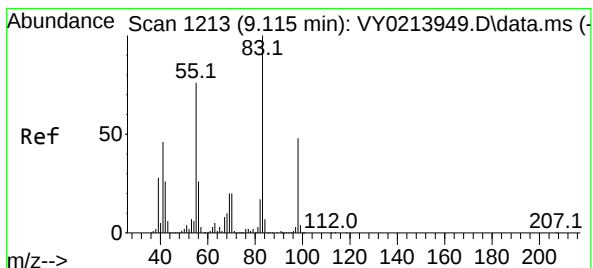
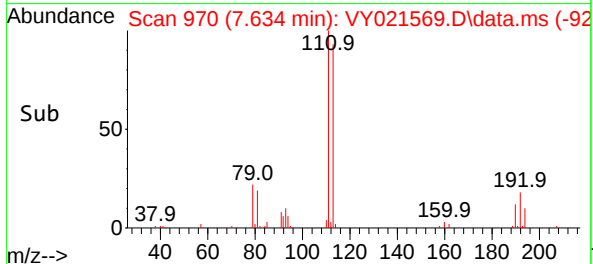
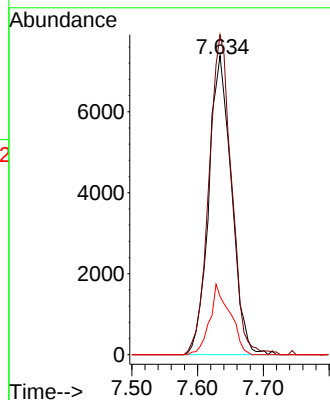
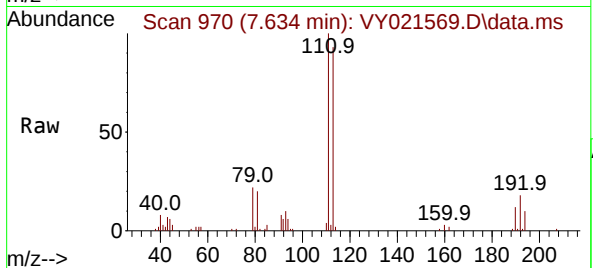
ETGI-354

Tgt Ion:	113	Resp:	1782
Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.0	123.0
192	21.0	15.9	23.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#39

Methylcyclohexane

Concen: 464.918 ug/l

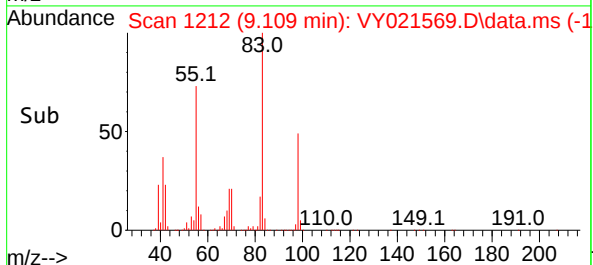
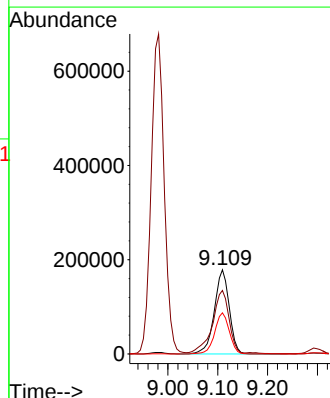
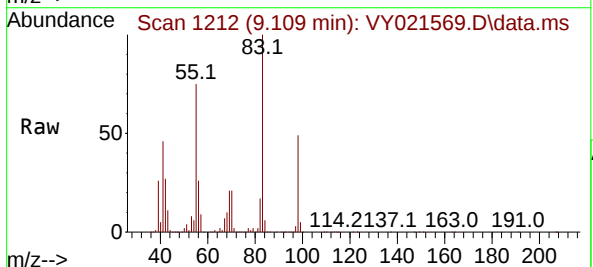
RT: 9.109 min Scan# 1212

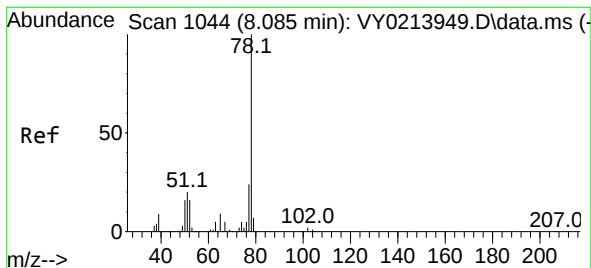
Delta R.T. -0.006 min

Lab File: VY021569.D

Acq: 19 Mar 2025 14:34

Tgt Ion:	83	Resp:	369605
Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.7	91.1
98	48.9	38.6	57.8





#40

Benzene

Concen: 27.372 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY021569.D

Acq: 19 Mar 2025 14:34

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-354

Tgt Ion: 78 Resp: 5225

Ion Ratio Lower Upper

78 100

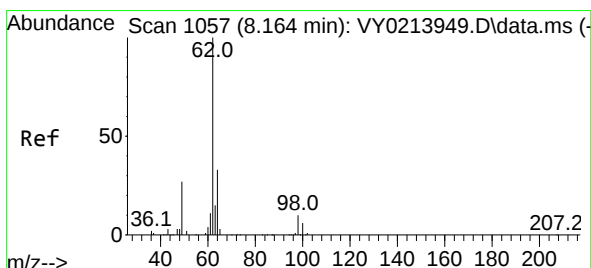
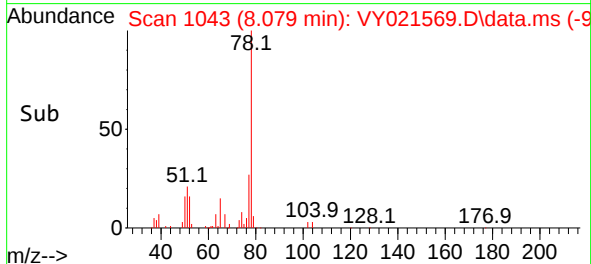
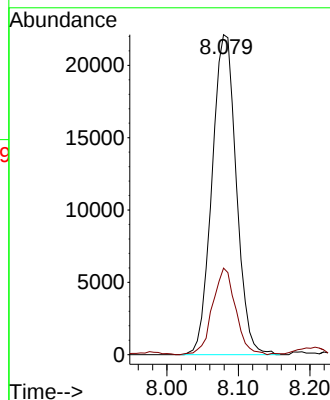
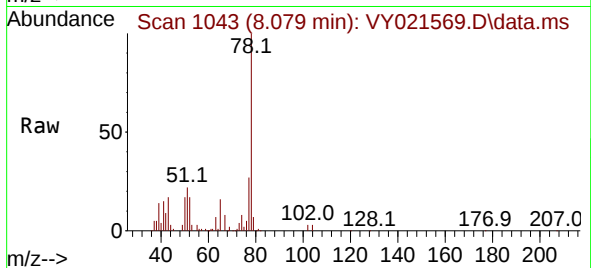
77 27.0 19.0 28.4

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 13.703 ug/l

RT: 8.158 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VY021569.D

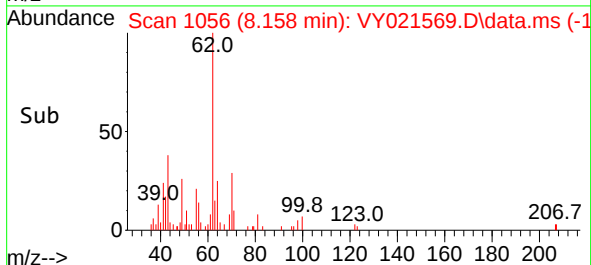
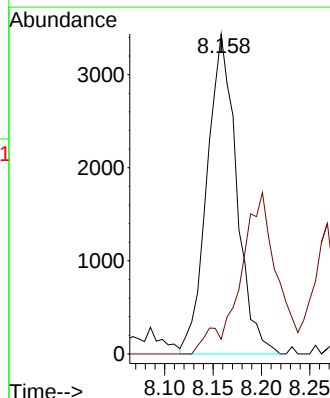
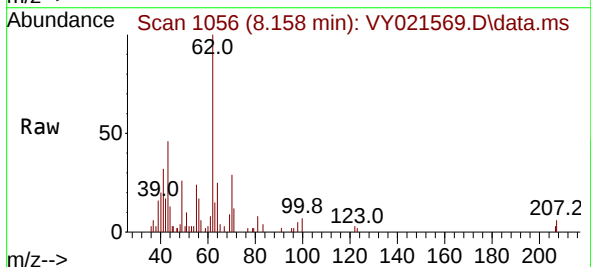
Acq: 19 Mar 2025 14:34

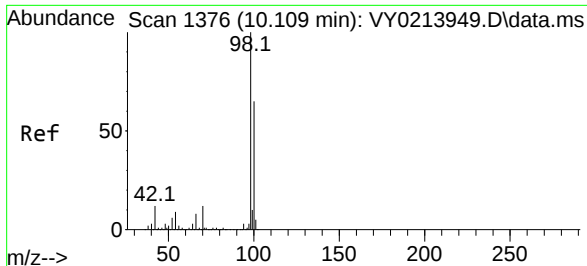
Tgt Ion: 62 Resp: 7319

Ion Ratio Lower Upper

62 100

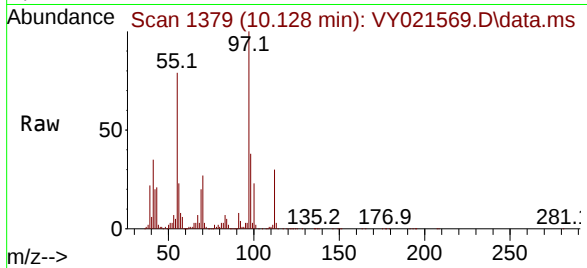
98 0.0 0.0 18.2





#50
Toluene-d8
Concen: 63.852 ug/l
RT: 10.128 min Scan# 1379
Delta R.T. 0.019 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

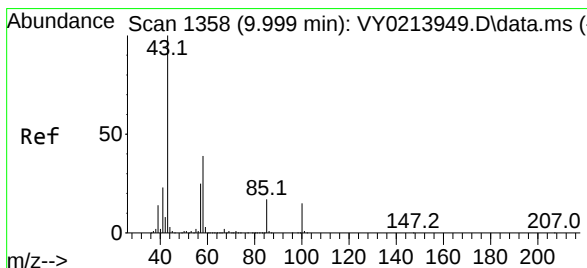
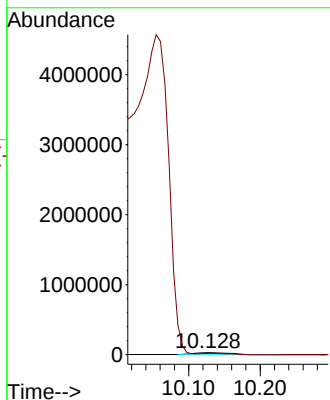
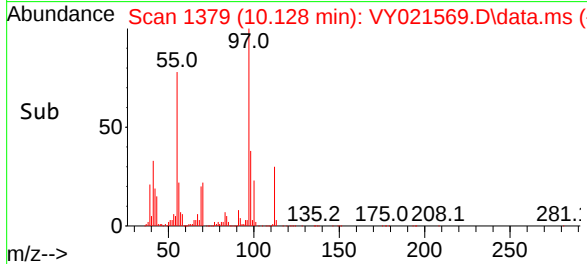
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



Tgt Ion: 98 Resp: 100102
Ion Ratio Lower Upper
98 100
100 0.0 52.1 78.1

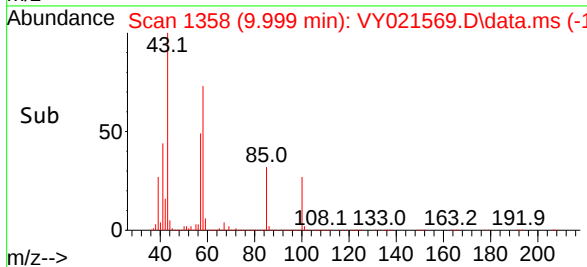
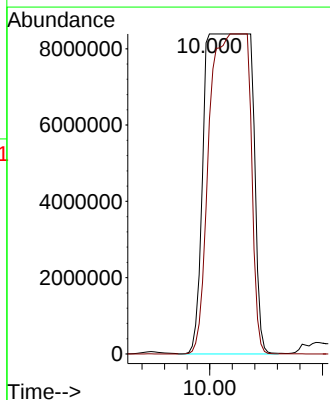
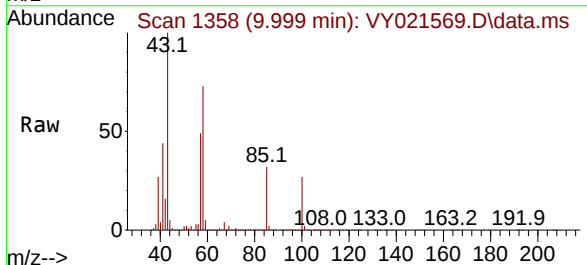
Manual Integrations
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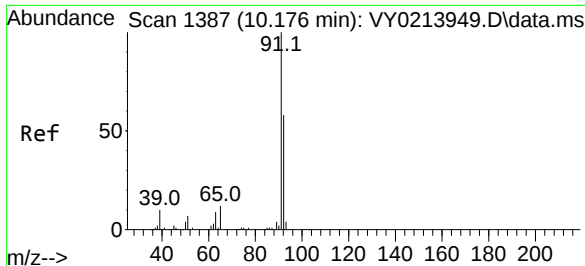
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#51
4-Methyl-2-Pentanone
Concen: 170874.587 ug/l m
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Tgt Ion: 43 Resp:49028040
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.2





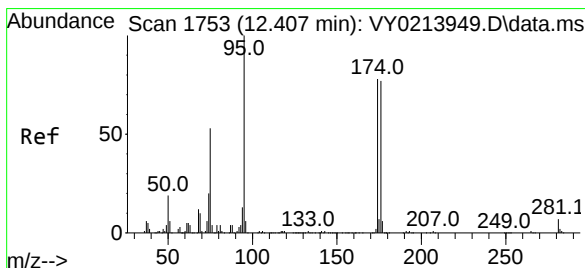
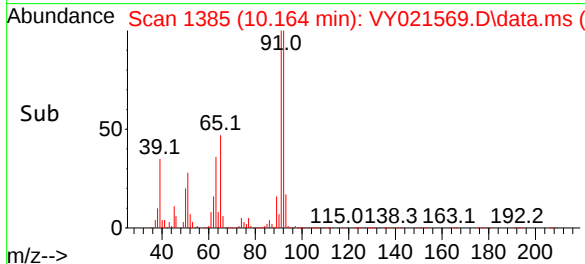
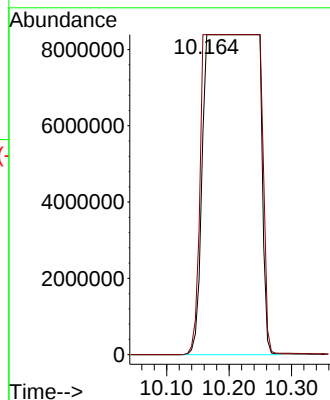
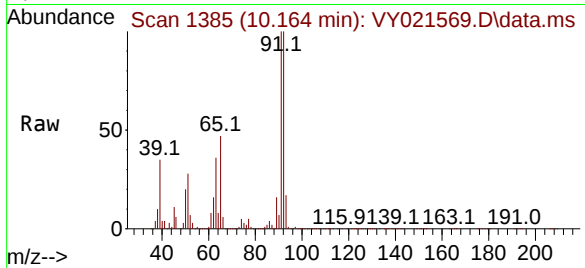
#52
Toluene
Concen: 41820.540 ug/l m
RT: 10.164 min Scan# 1385
Delta R.T. -0.012 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

Tgt Ion: 92 Resp: 5033840
Ion Ratio Lower Upper
92 100
91 0.0 138.2 207.2

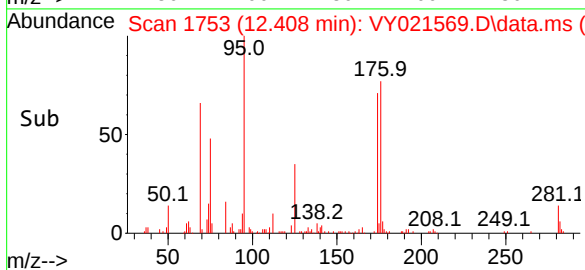
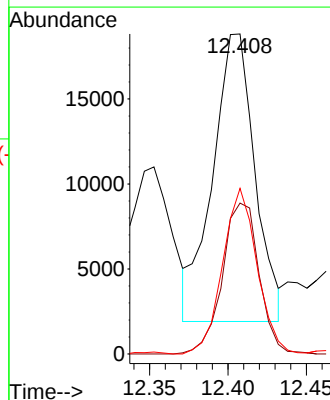
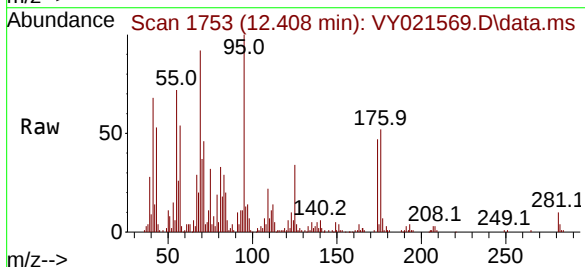
Manual Integrations
APPROVED

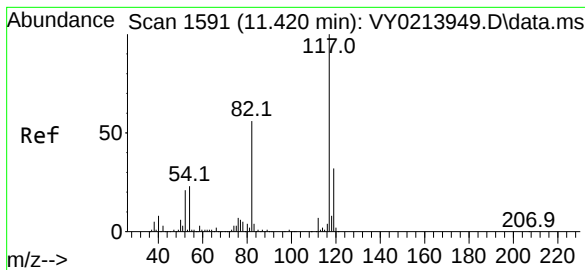
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#62
4-Bromofluorobenzene
Concen: 59.240 ug/l m
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

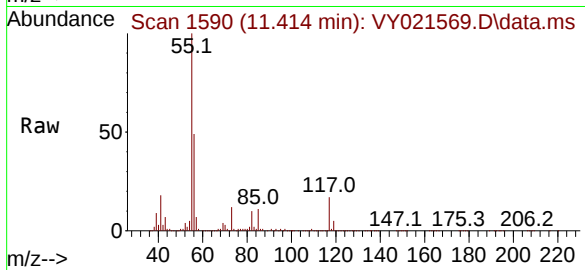
Tgt Ion: 95 Resp: 31591
Ion Ratio Lower Upper
95 100
174 45.8 0.0 165.0
176 47.2 0.0 160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

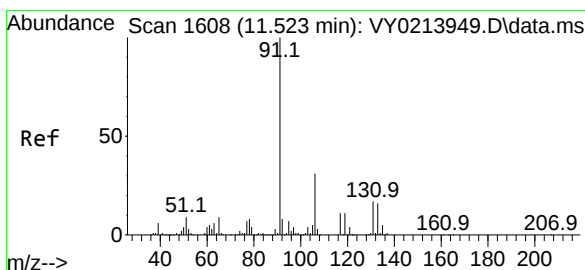
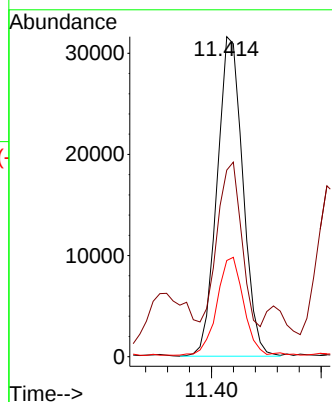
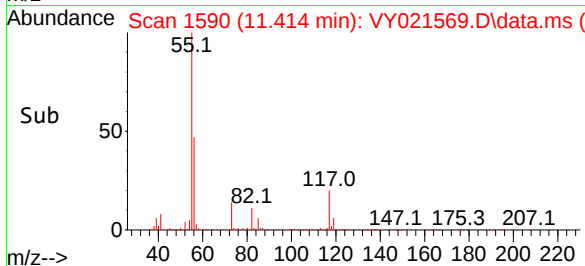
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



Tgt Ion: 117 Resp: 5162
Ion Ratio Lower Upper
117 100
82 44.2 44.6 67.0
119 29.6 25.4 38.0

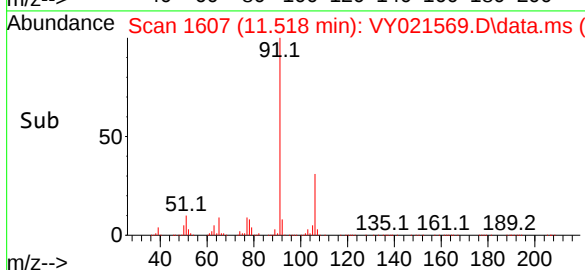
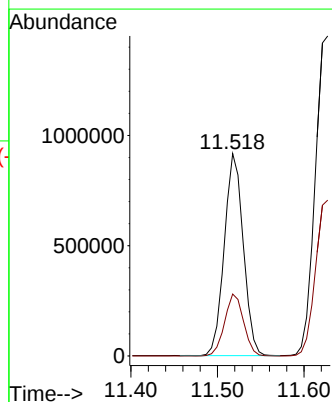
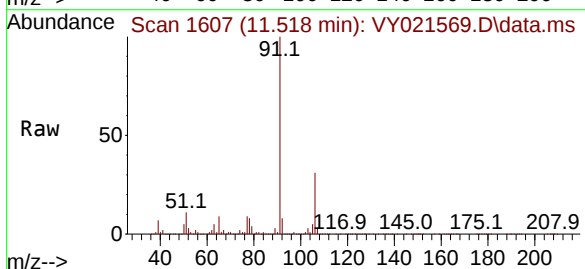
Manual Integrations
APPROVED

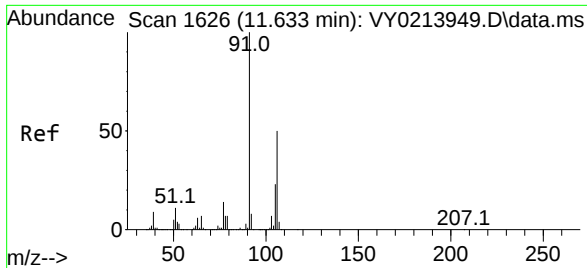
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#67
Ethyl Benzene
Concen: 651.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

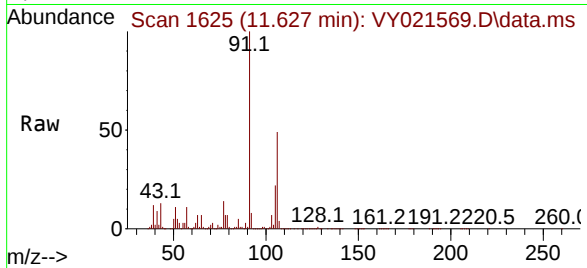
Tgt Ion: 91 Resp: 1393286
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8





#68
m/p-Xylenes
Concen: 1519.397 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

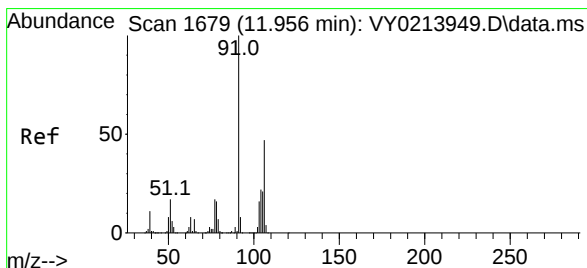
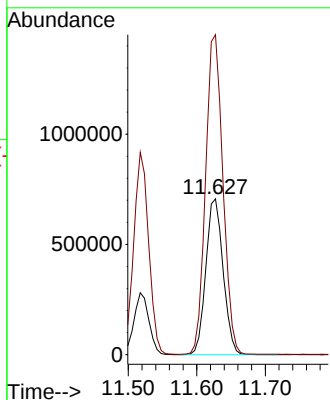
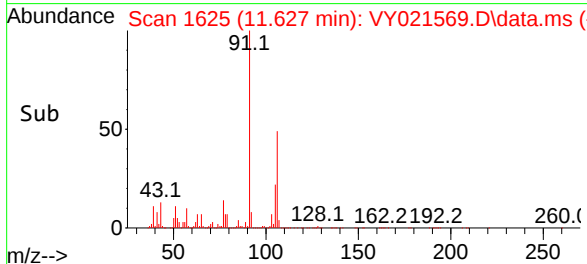
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



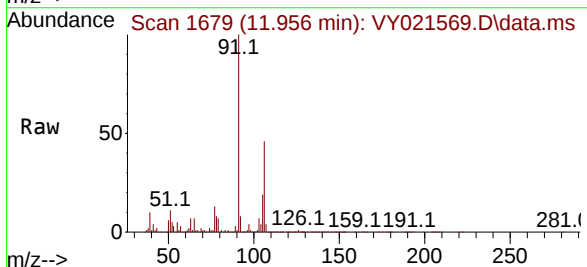
Tgt Ion:106 Resp: 123420
Ion Ratio Lower Upper
106 100
91 206.4 161.7 242.5

Manual Integrations
APPROVED

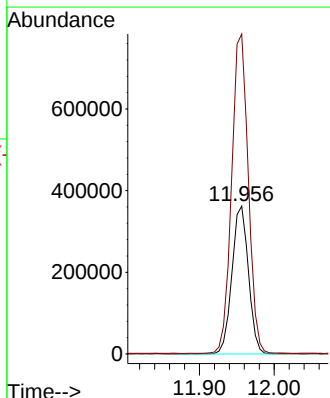
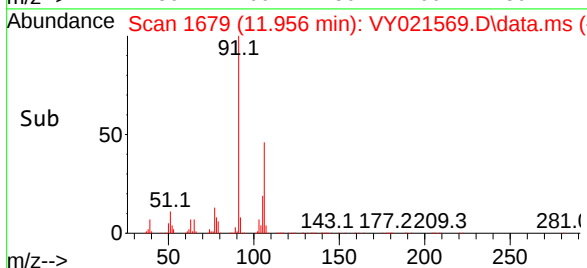
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025

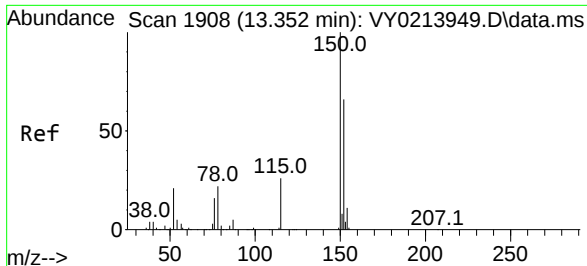


#69
o-Xylene
Concen: 740.396 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34



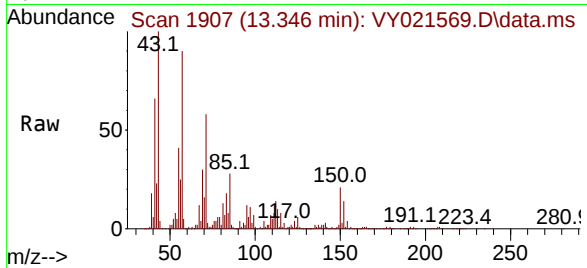
Tgt Ion:106 Resp: 554295
Ion Ratio Lower Upper
106 100
91 218.5 107.6 322.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

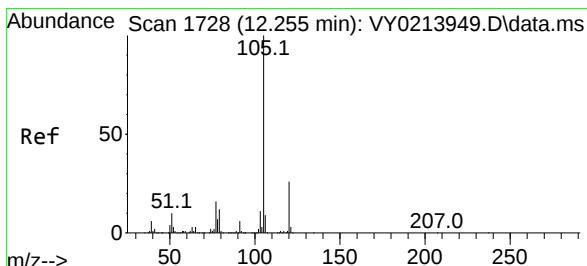
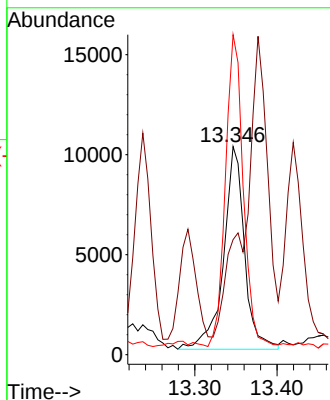
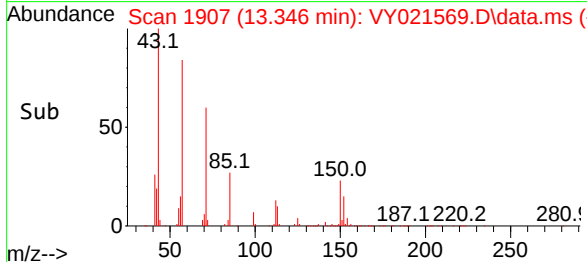
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



Tgt Ion:152 Resp: 18044
Ion Ratio Lower Upper
152 100
115 0.0 29.0 87.0
150 130.0 0.0 347.2

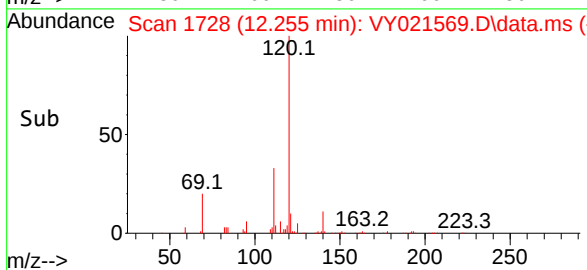
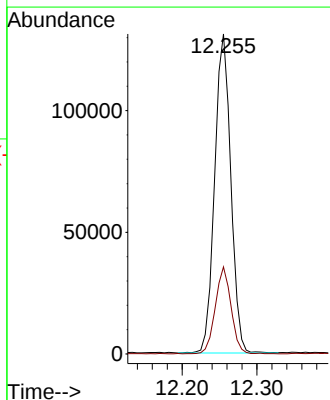
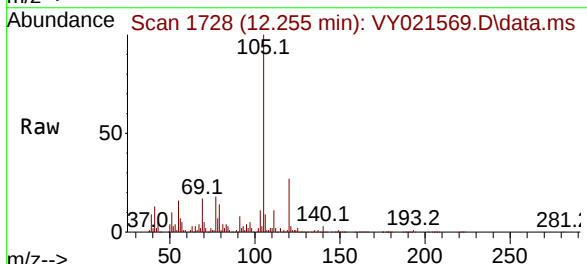
Manual Integrations
APPROVED

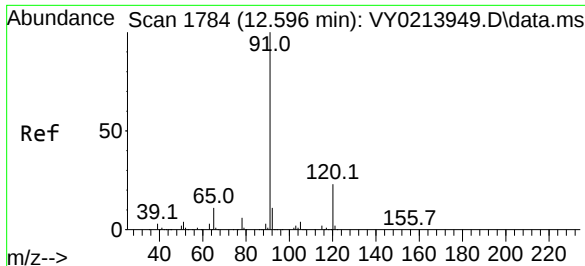
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#73
Isopropylbenzene
Concen: 138.532 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Tgt Ion:105 Resp: 196906
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3





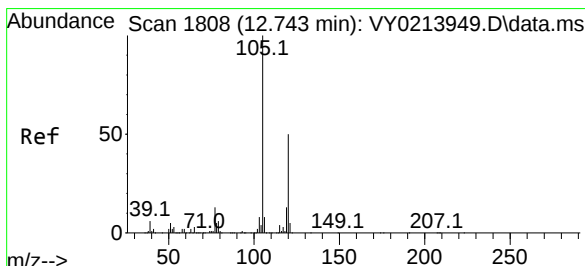
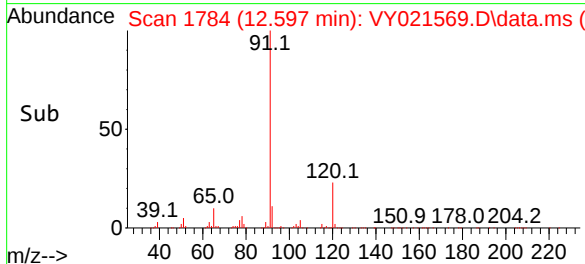
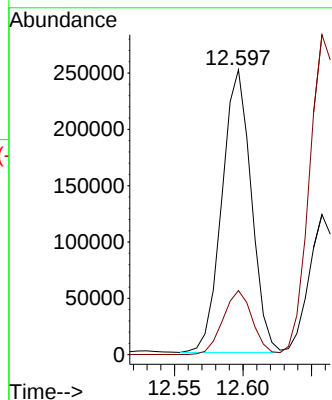
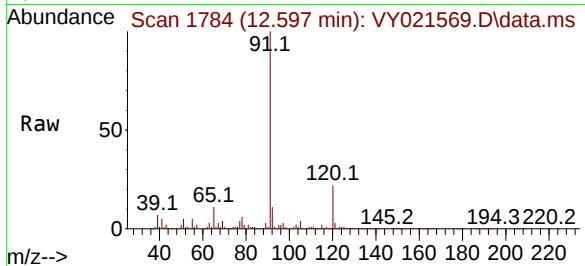
#78
n-propylbenzene
Concen: 216.393 ug/l
RT: 12.597 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

Tgt Ion: 91 Resp: 37354
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.8

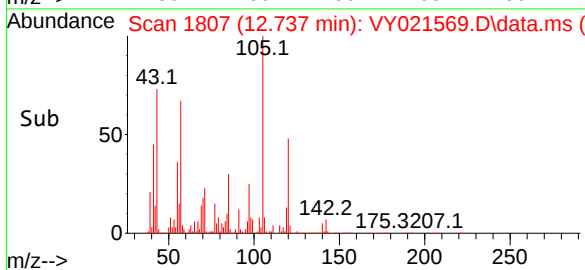
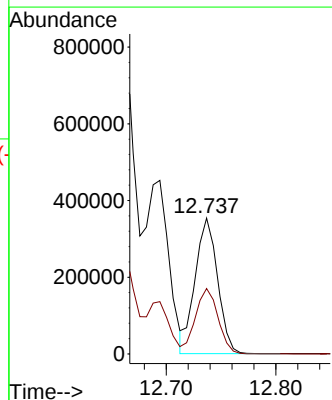
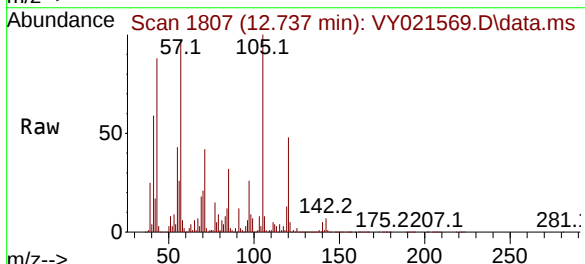
Manual Integrations
APPROVED

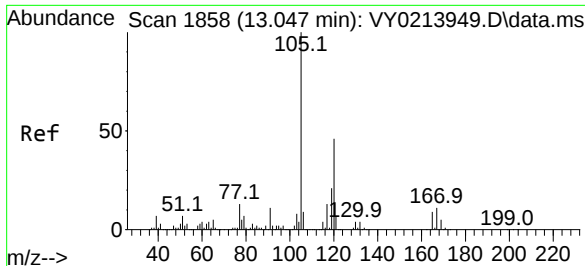
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#80
1,3,5-Trimethylbenzene
Concen: 435.148 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

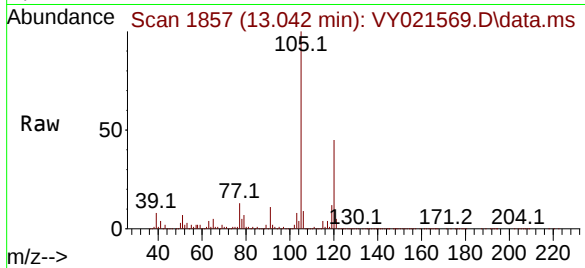
Tgt Ion:105 Resp: 502638
Ion Ratio Lower Upper
105 100
120 48.7 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 1446.620 ug/l
RT: 13.042 min Scan# 1858
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

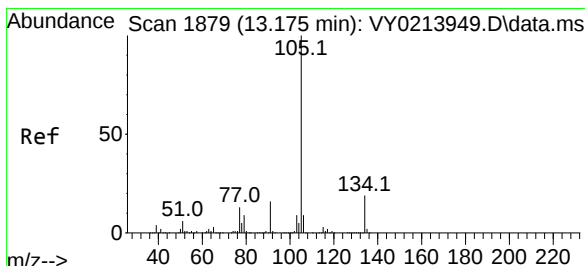
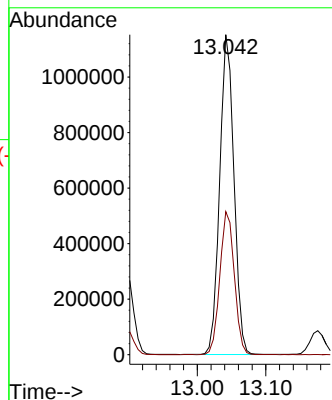
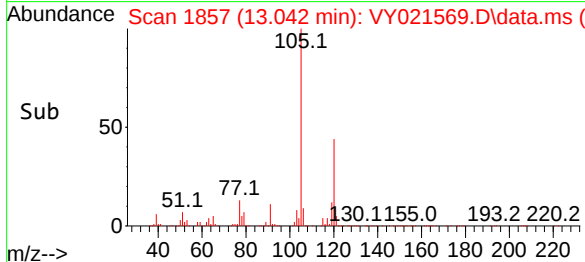
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354



Tgt Ion:105 Resp: 1659084
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1

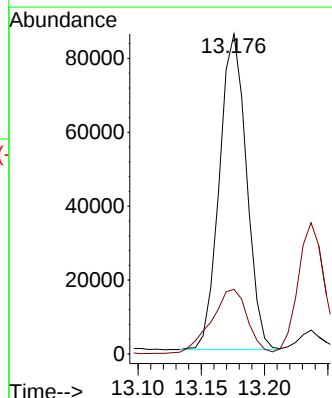
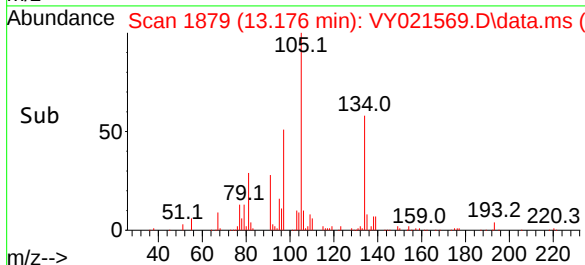
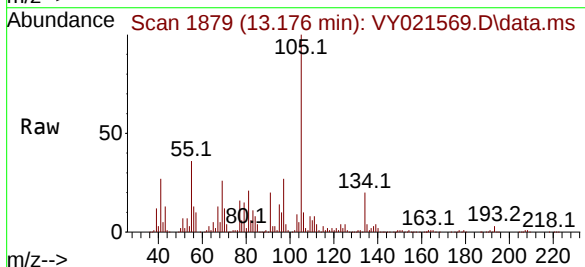
Manual Integrations
APPROVED

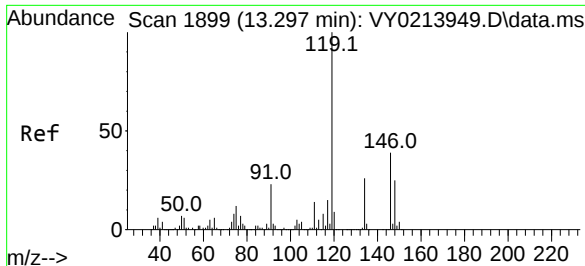
Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#85
sec-Butylbenzene
Concen: 82.893 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Tgt Ion:105 Resp: 127088
Ion Ratio Lower Upper
105 100
134 27.1 9.9 29.7





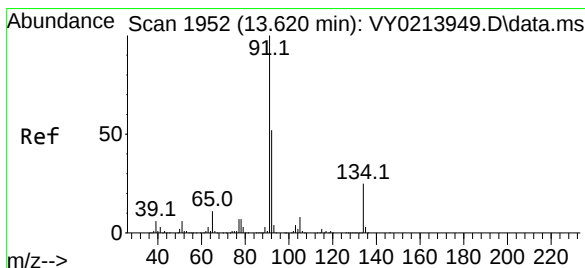
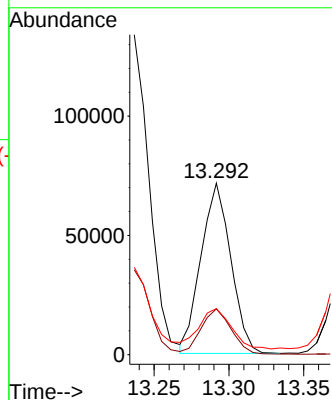
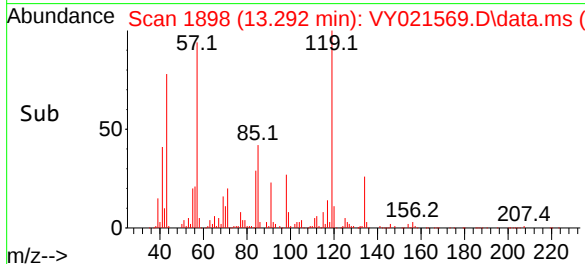
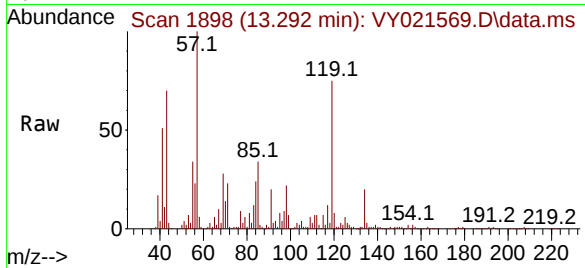
#86
p-Isopropyltoluene
Concen: 78.370 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-354

Tgt Ion:119 Resp: 98989
Ion Ratio Lower Upper
119 100
134 26.8 13.1 39.1
91 25.0 12.2 36.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/20/2025
Supervised By :Semsettin Yesilyurt 03/20/2025



#89
n-Butylbenzene
Concen: 108.331 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY021569.D
Acq: 19 Mar 2025 14:34

Tgt Ion: 91 Resp: 126351
Ion Ratio Lower Upper
91 100
92 58.2 26.1 78.3
134 0.0 12.6 37.8#

