

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039869.D
 Acq On : 10 Nov 2022 18:36
 Operator : SY/AP
 Sample : N5579-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-ET1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 05:01:53 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	976114	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2200483	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	1814498	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1446454	10.650	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	27534m	0.167	ppbv	
3) Chlorodifluoromethane	2.693	51	40662m	0.349	ppbv	
4) Chloromethane	2.829	50	25704	0.355	ppbv #	86
11) Trichlorofluoromethane	3.571	101	35104m	0.261	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.079	101	10063m	0.104	ppbv	
13) Ethanol	3.247	45	286985	66.973	ppbv	99
15) Acetone	3.481	43	387102	3.258	ppbv	96
19) Isopropyl Alcohol	3.591	45	199922	3.400	ppbv #	34
20) Methylene Chloride	3.941	84	82133	1.932	ppbv #	89
26) Hexane	5.211	57	66661	0.611	ppbv #	44
29) Chloroform	5.275	83	21395m	0.139	ppbv	
34) 2-Butanone	4.793	43	31426m	0.346	ppbv	
35) Carbon Tetrachloride	6.484	117	11009m	0.086	ppbv	
36) Benzene	6.365	78	38123m	0.205	ppbv	
38) Trichloroethene	7.285	130	106986m	1.077	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	33399	0.107	ppbv #	77
52) Tetrachloroethene	10.606	164	1527260	21.961	ppbv	94
53) Toluene	9.208	91	82850	0.389	ppbv	97
59) m/p-Xylene	12.333	91	57703m	0.282	ppbv	
60) o-Xylene	13.047	91	21693m	0.112	ppbv	

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

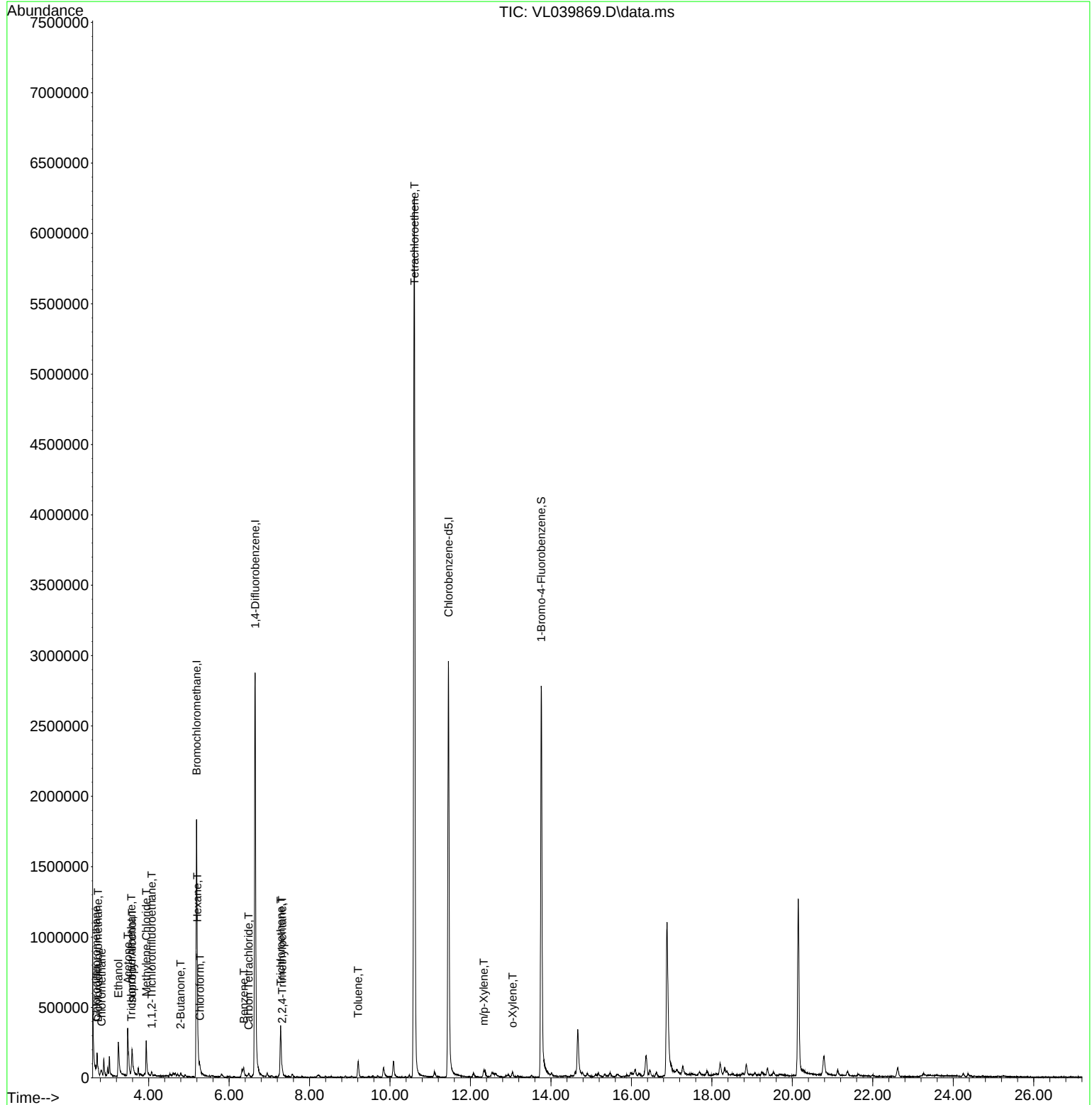
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039869.D
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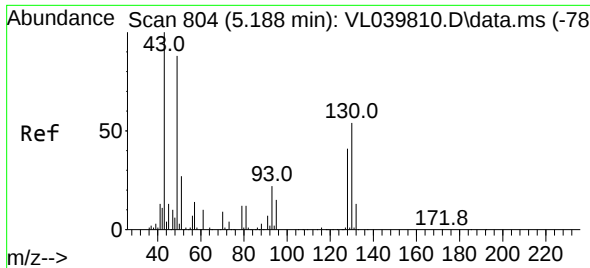
Instrument :
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Quant Time: Nov 11 05:01:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 03 09:27:12 2022
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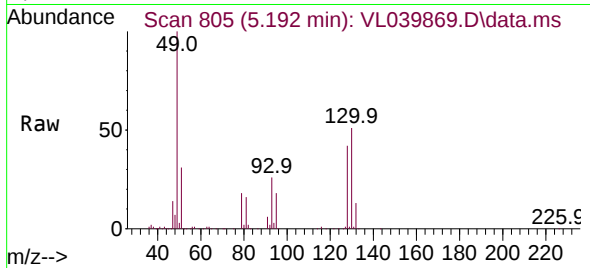
Reviewed By : Semsettin Yesilyurt 11/11/2022
Supervised By : Mahesh Dadoda 11/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.004 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

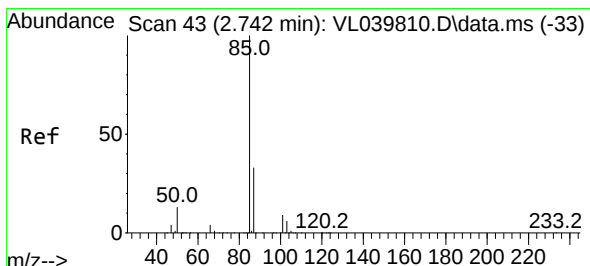
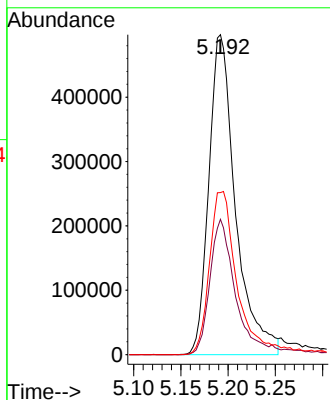
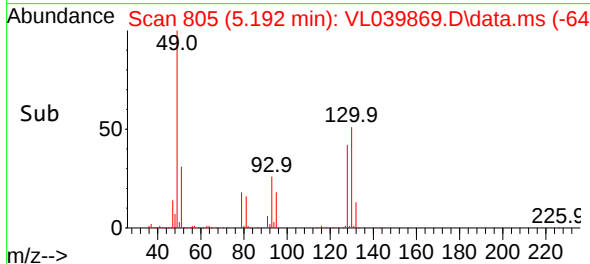
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



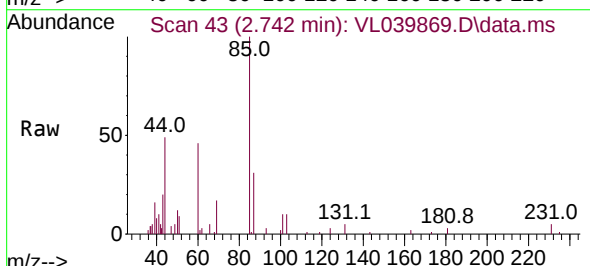
Tgt Ion: 49 Resp: 976114
Ion Ratio Lower Upper
49 100
128 42.8 24.6 73.6
130 55.1 31.1 93.2

Manual Integrations
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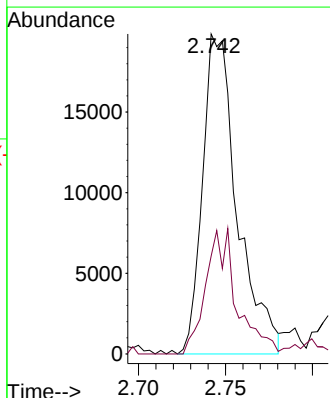
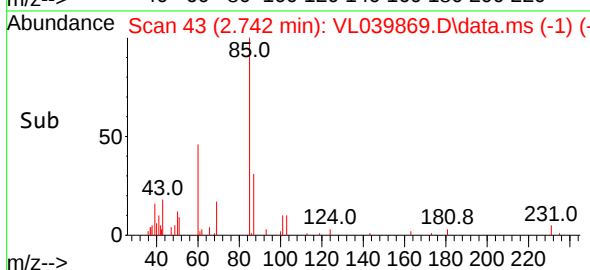
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

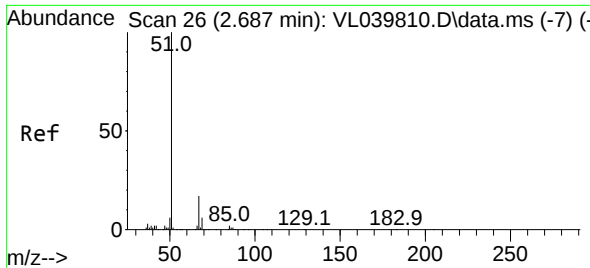


#2
Dichlorodifluoromethane
Concen: 0.167 ppbv m
RT: 2.742 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36



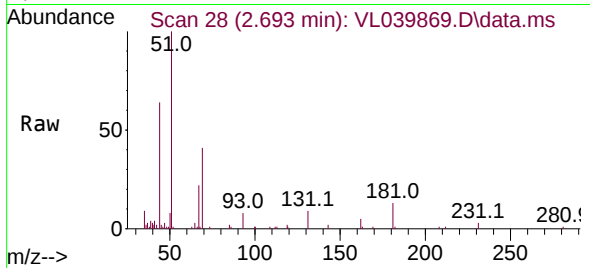
Tgt Ion: 85 Resp: 27534
Ion Ratio Lower Upper
85 100
87 30.6 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.349 ppbv m
RT: 2.693 min Scan# 28
Delta R.T. 0.007 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

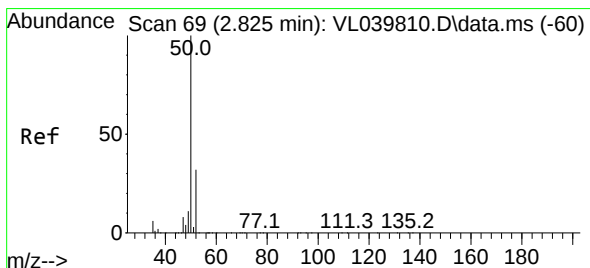
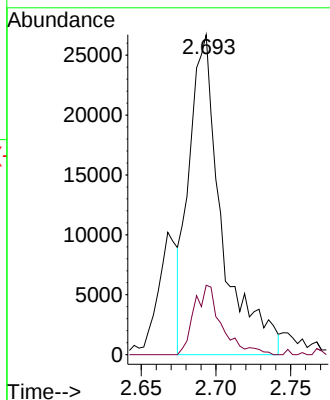
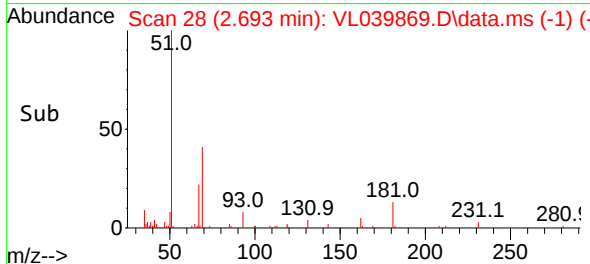
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



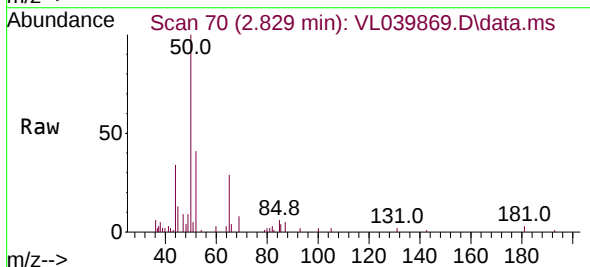
Tgt Ion: 51 Resp: 40662
Ion Ratio Lower Upper
51 100
67 18.5 13.2 19.8

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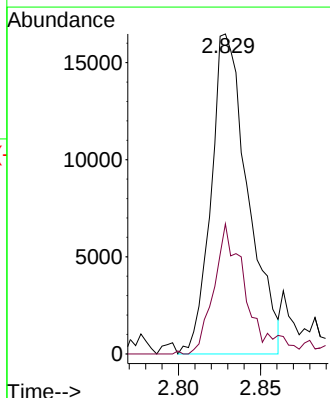
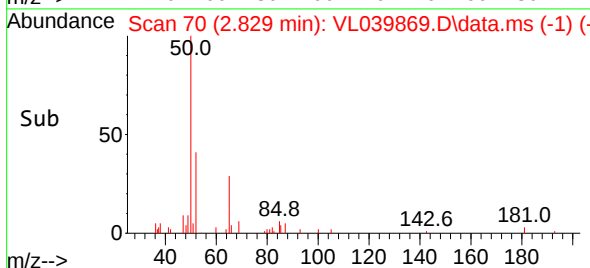
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

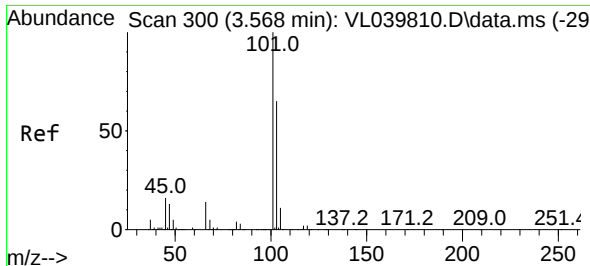


#4
Chloromethane
Concen: 0.355 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36



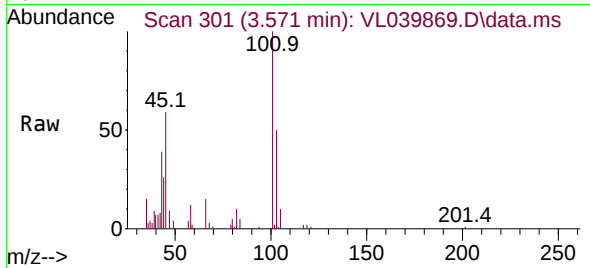
Tgt Ion: 50 Resp: 25704
Ion Ratio Lower Upper
50 100
52 39.7 25.5 38.3#





#11
Trichlorofluoromethane
Concen: 0.261 ppbv m
RT: 3.571 min Scan# 300
Delta R.T. 0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

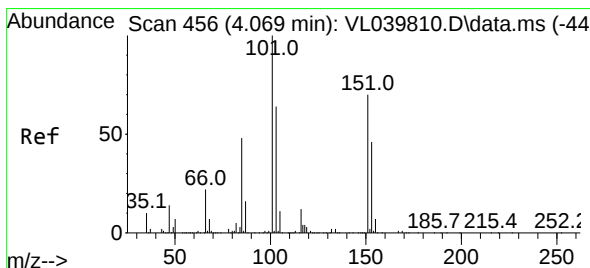
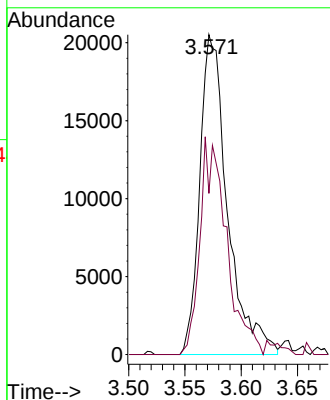
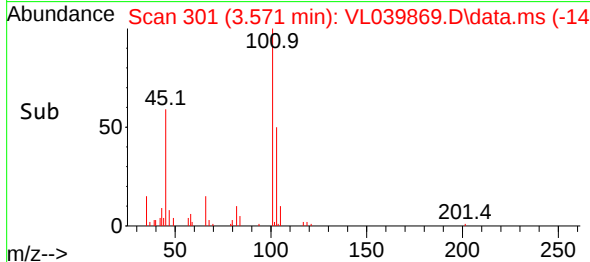
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



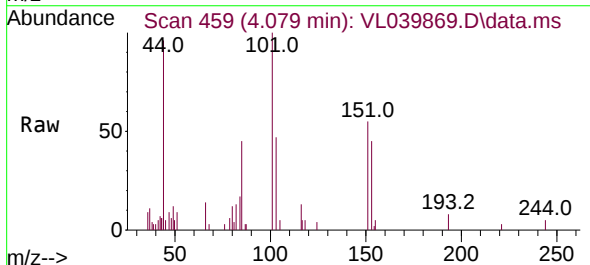
Tgt Ion:101 Resp: 35104
Ion Ratio Lower Upper
101 100
103 50.4 52.2 78.2

Manual Integrations
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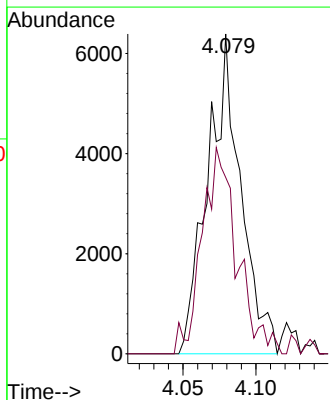
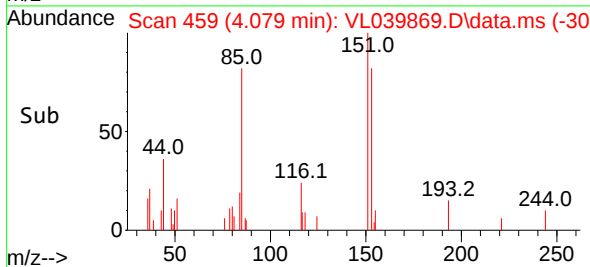
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

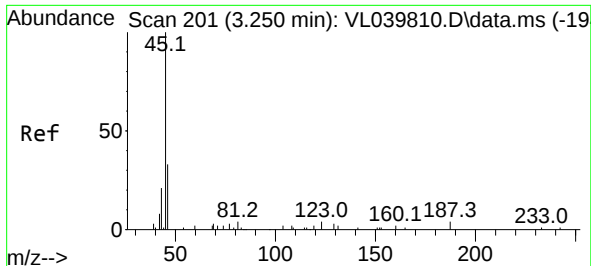


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.104 ppbv m
RT: 4.079 min Scan# 459
Delta R.T. 0.010 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36



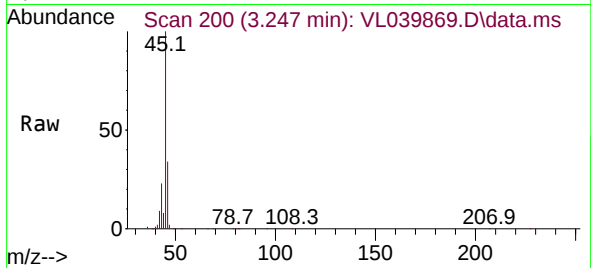
Tgt Ion:101 Resp: 10063
Ion Ratio Lower Upper
101 100
151 69.5 57.2 85.8





#13
Ethanol
Concen: 66.973 ppbv
RT: 3.247 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

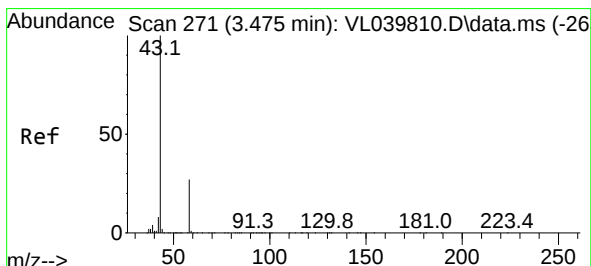
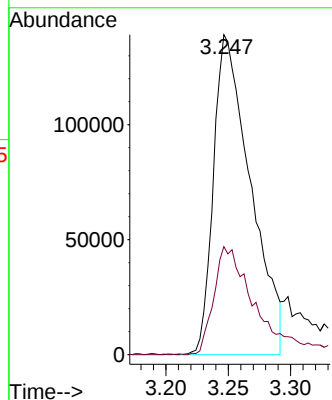
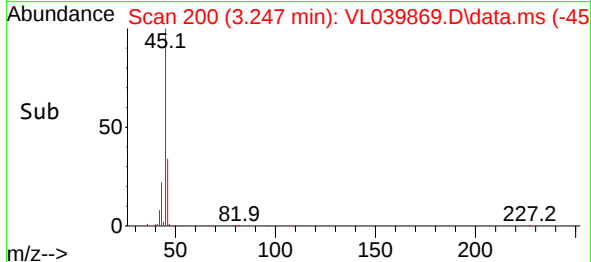
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



Tgt Ion: 45 Resp: 286985
Ion Ratio Lower Upper
45 100
46 40.4 16.5 65.9

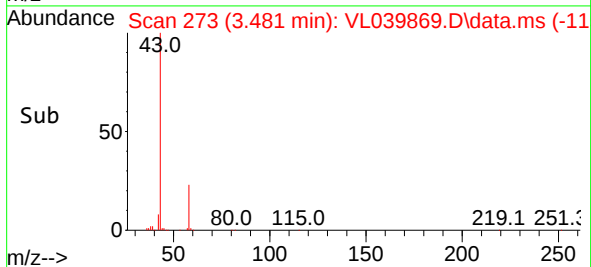
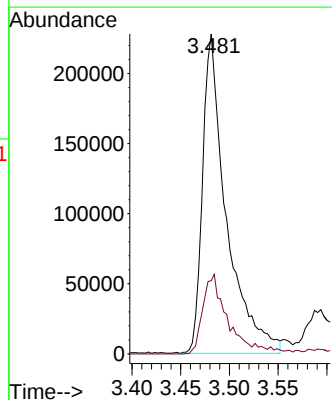
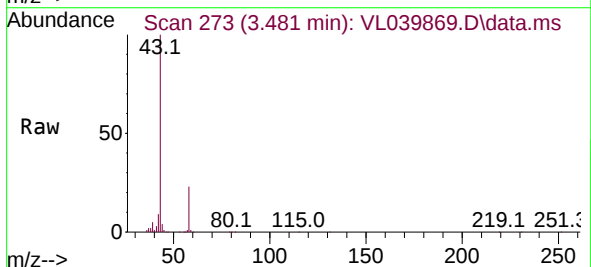
Manual Integrations
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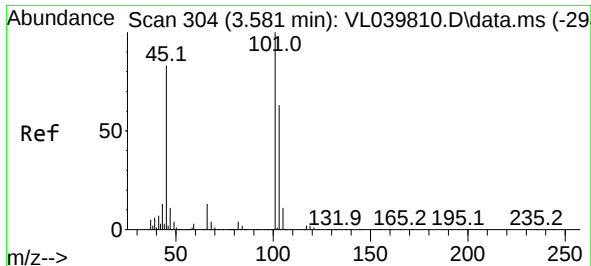
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#15
Acetone
Concen: 3.258 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.007 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

Tgt Ion: 43 Resp: 387102
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8





#19

Isopropyl Alcohol

Concen: 3.400 ppbv

RT: 3.591 min Scan# 304

Delta R.T. 0.010 min

Lab File: VL039869.D

Acq: 10 Nov 2022 18:36

Instrument :

MSVOA_L

ClientSampleId :

SS-ET1

Tgt Ion: 45 Resp: 19992

Ion Ratio Lower Upper

45 100

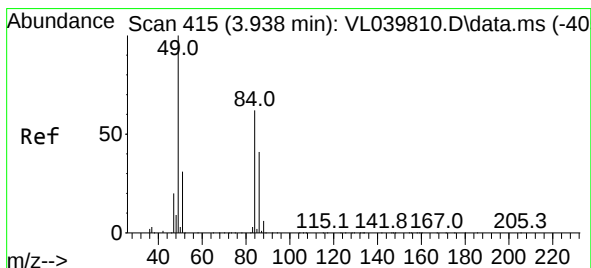
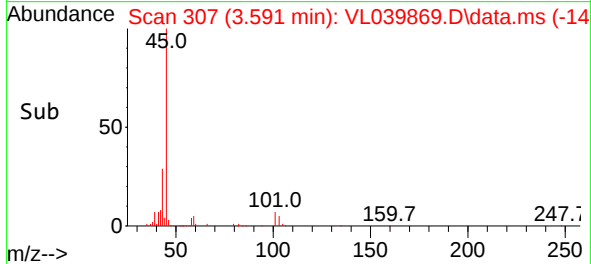
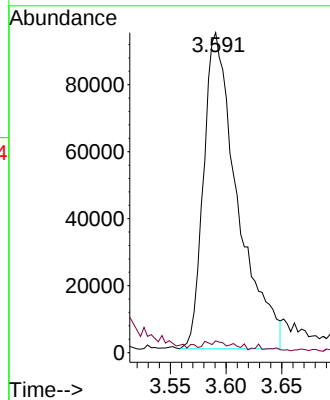
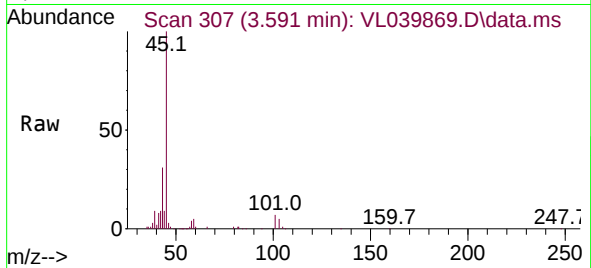
58 3.5 38.3 57.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#20

Methylene Chloride

Concen: 1.932 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.003 min

Lab File: VL039869.D

Acq: 10 Nov 2022 18:36

Tgt Ion: 84 Resp: 82133

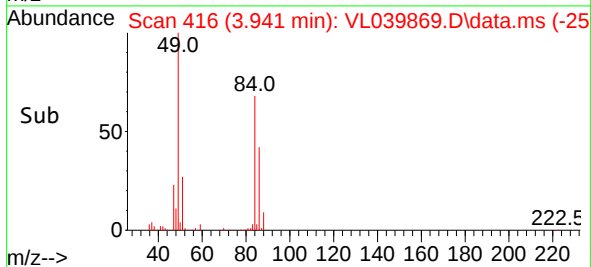
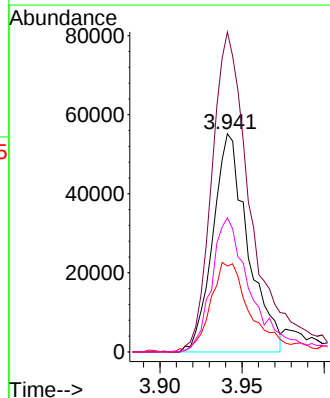
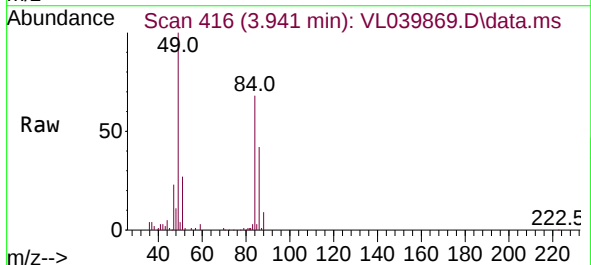
Ion Ratio Lower Upper

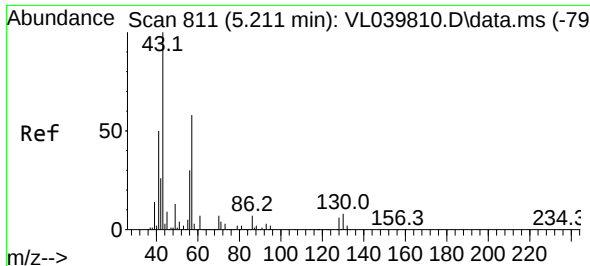
84 100

49 146.7 128.6 192.8

51 37.8 40.2 60.4

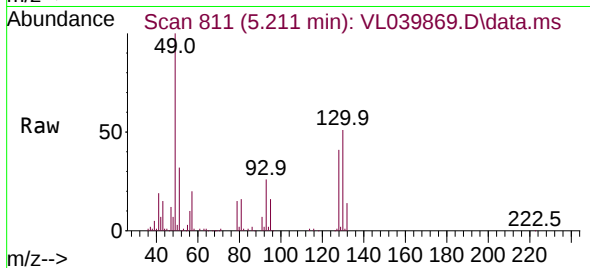
86 61.5 52.2 78.2





#26
Hexane
Concen: 0.611 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

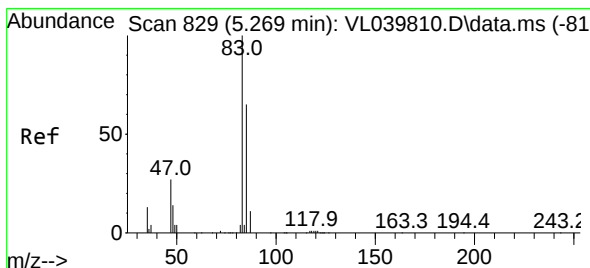
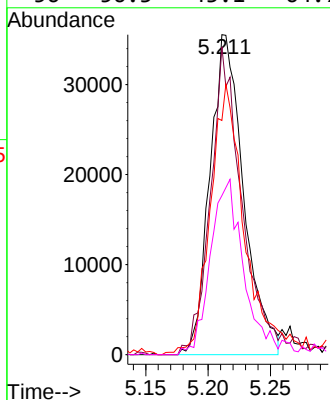
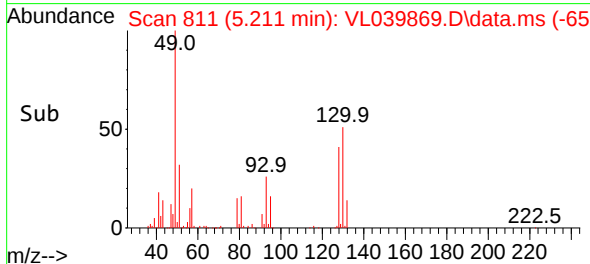
Instrument :
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Tgt Ion: 57 Resp: 6666
Ion Ratio Lower Upper
57 100
41 93.8 73.7 110.5
43 87.6 189.8 284.8
56 56.3 43.1 64.7

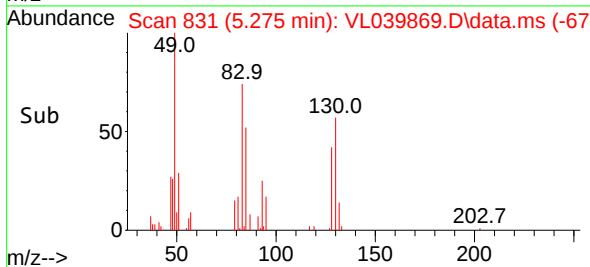
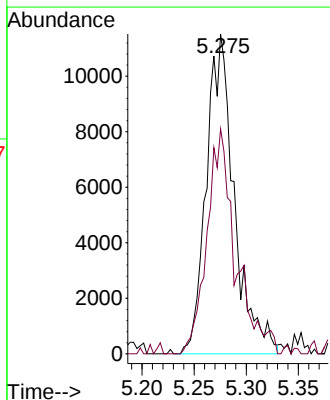
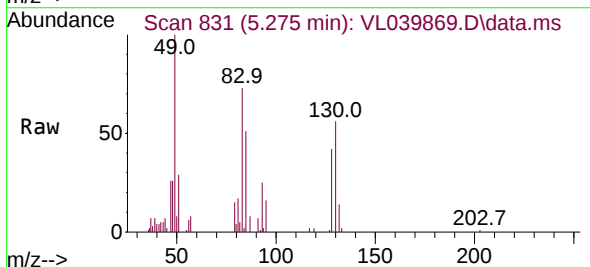
Manual Integrations
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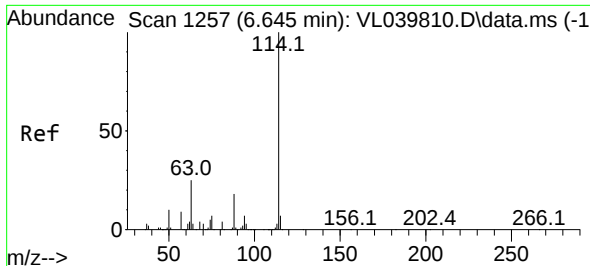
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#29
Chloroform
Concen: 0.139 ppbv m
RT: 5.275 min Scan# 831
Delta R.T. 0.007 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

Tgt Ion: 83 Resp: 21395
Ion Ratio Lower Upper
83 100
85 70.3 51.6 77.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL039869.D

Acq: 10 Nov 2022 18:36

Instrument :

MSVOA_L

ClientSampleId :

SS-ET1

Tgt Ion:114 Resp: 2200483

Ion Ratio Lower Upper

114 100

63 28.8 19.8 29.6

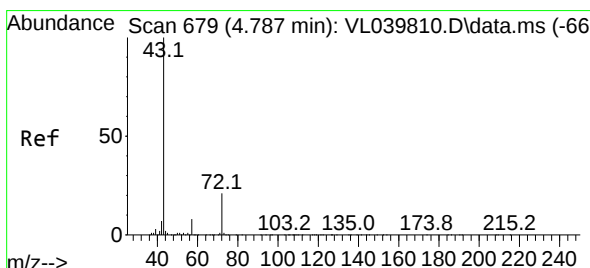
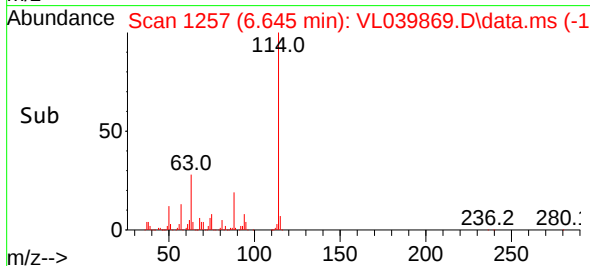
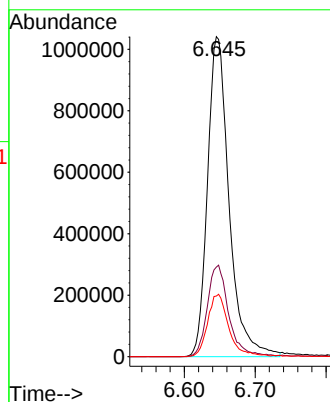
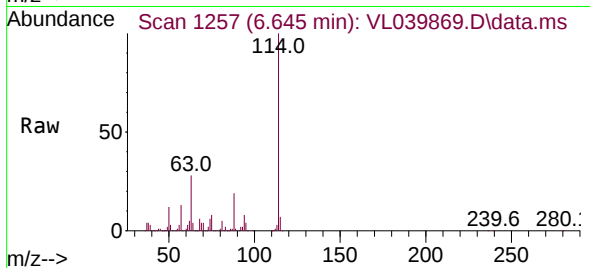
88 19.4 14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#34

2-Butanone

Concen: 0.346 ppbv m

RT: 4.793 min Scan# 681

Delta R.T. 0.007 min

Lab File: VL039869.D

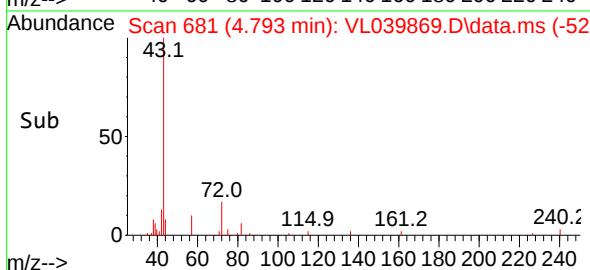
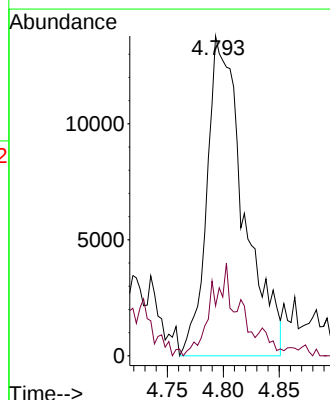
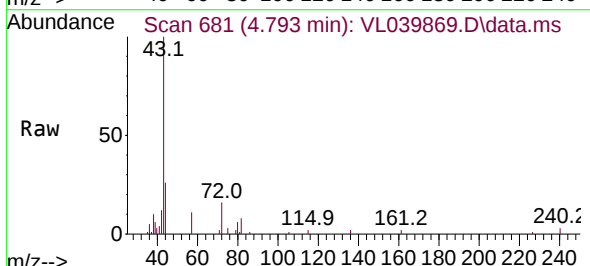
Acq: 10 Nov 2022 18:36

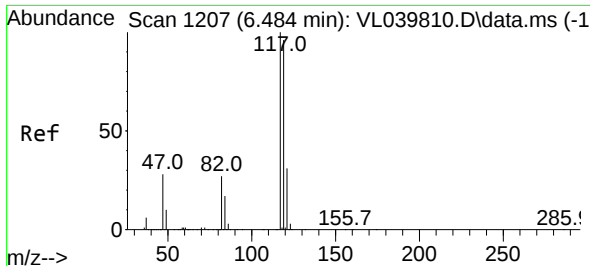
Tgt Ion: 43 Resp: 31426

Ion Ratio Lower Upper

43 100

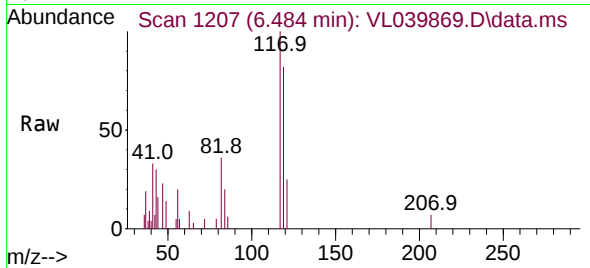
72 24.2 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 6.484 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

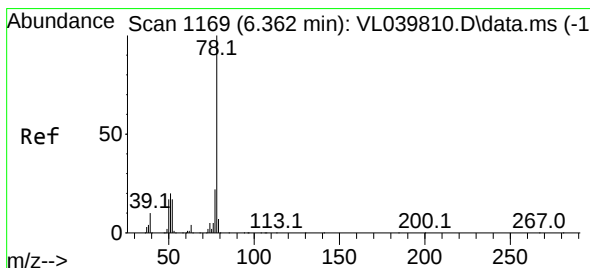
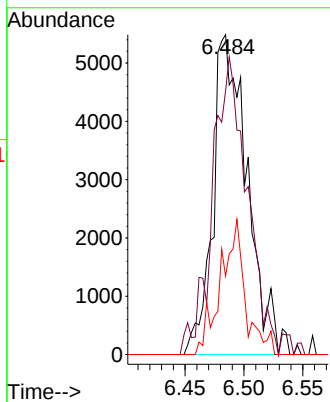
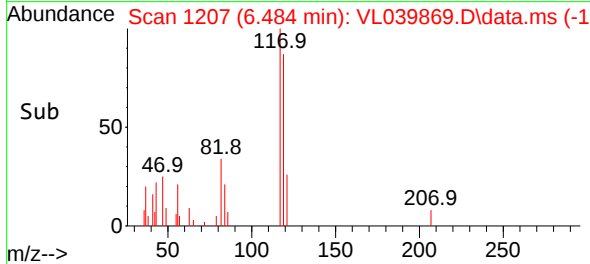
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



Tgt Ion: 117 Resp: 11009
Ion Ratio Lower Upper
117 100
119 82.4 76.5 114.7
121 24.5 25.2 37.8

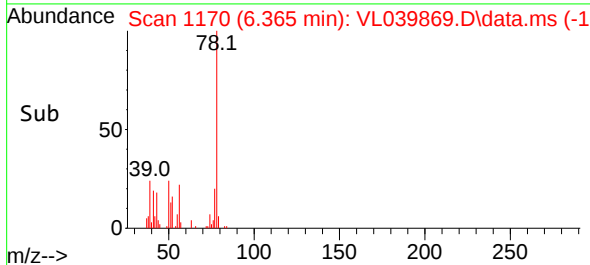
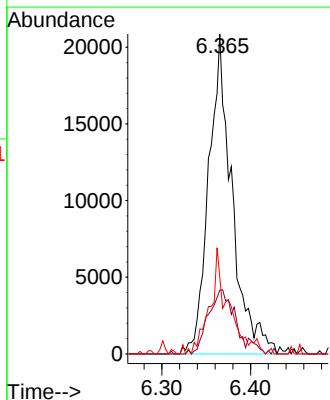
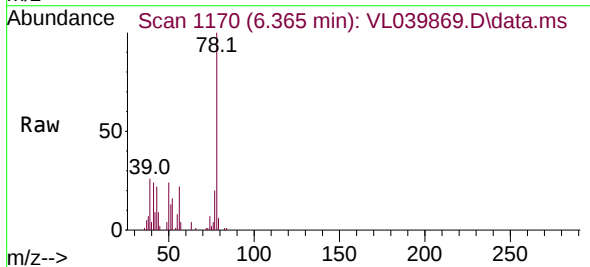
Manual Integrations
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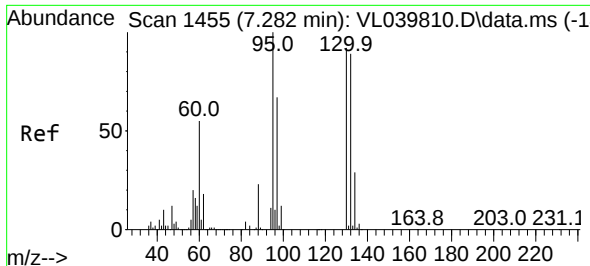
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#36
Benzene
Concen: 0.205 ppbv m
RT: 6.365 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

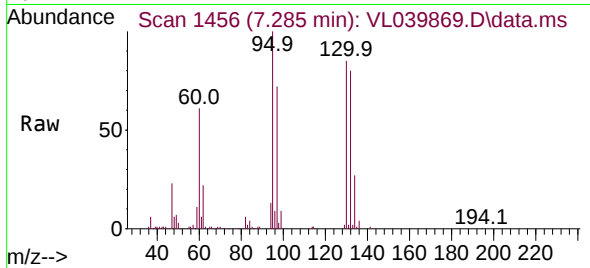
Tgt Ion: 78 Resp: 38123
Ion Ratio Lower Upper
78 100
77 19.9 17.4 26.2
50 23.9 13.9 20.9





#38
 Trichloroethene
 Concen: 1.077 ppbv m
 RT: 7.285 min Scan# 1455
 Delta R.T. 0.003 min
 Lab File: VL039869.D
 Acq: 10 Nov 2022 18:36

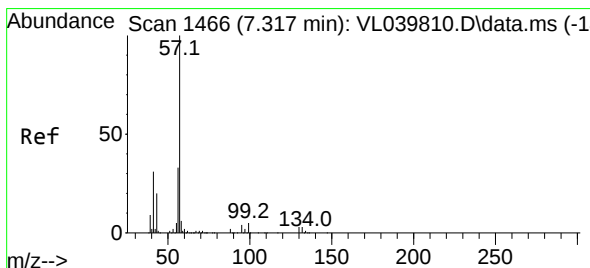
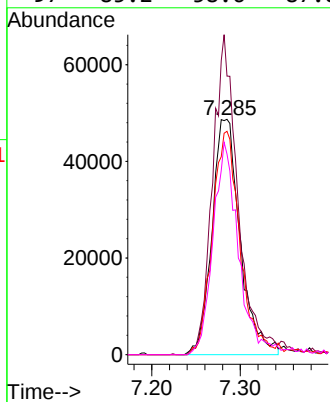
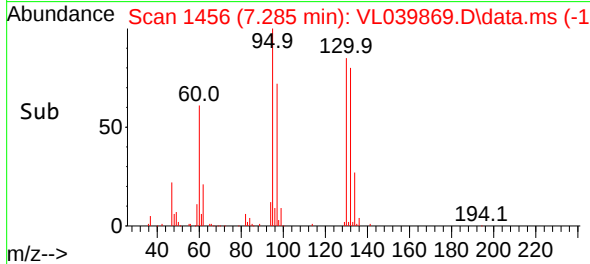
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-ET1



Tgt Ion: 130 Resp: 106986
 Ion Ratio Lower Upper
 130 100
 95 118.3 87.4 131.2
 132 94.9 77.7 116.5
 97 85.2 58.6 87.8

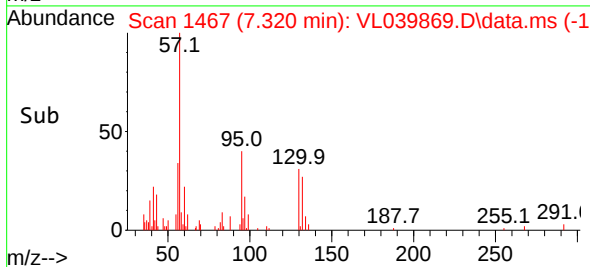
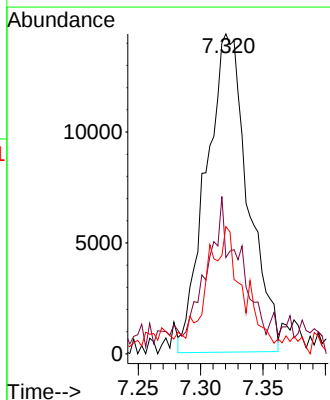
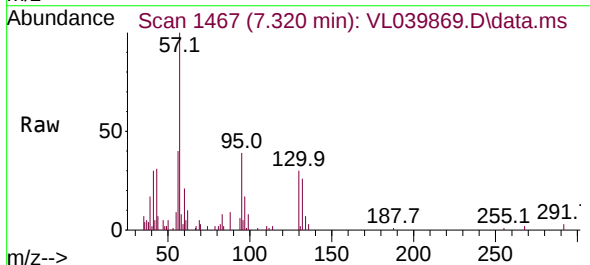
Manual Integrations
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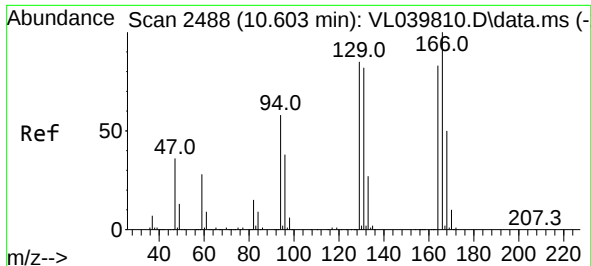
Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022



#44
 2,2,4-Trimethylpentane
 Concen: 0.107 ppbv
 RT: 7.320 min Scan# 1467
 Delta R.T. 0.003 min
 Lab File: VL039869.D
 Acq: 10 Nov 2022 18:36

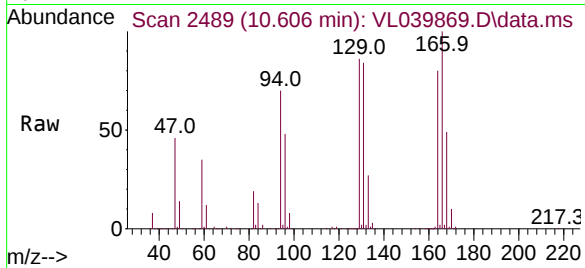
Tgt Ion: 57 Resp: 33399
 Ion Ratio Lower Upper
 57 100
 41 49.1 24.6 36.8#
 56 39.3 25.4 38.0#





#52
Tetrachloroethene
Concen: 21.961 ppbv
RT: 10.606 min Scan# 2488
Delta R.T. 0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

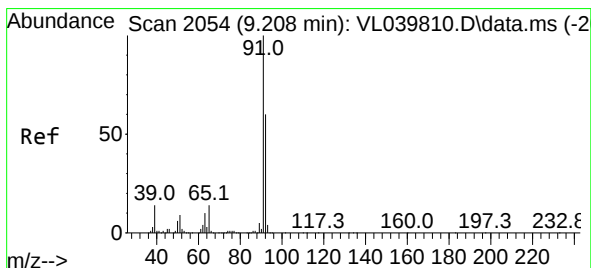
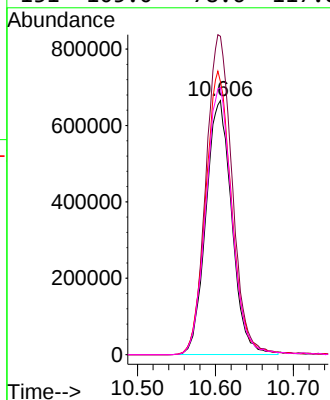
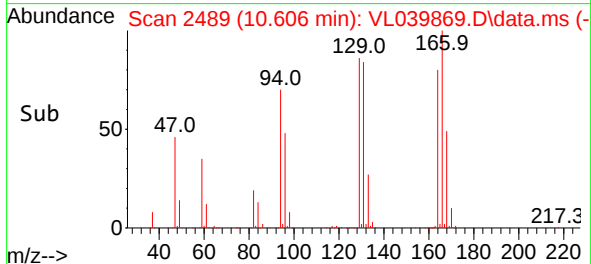
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



Tgt Ion:164 Resp: 1527260
Ion Ratio Lower Upper
164 100
166 125.2 96.0 144.0
129 107.3 81.4 122.2
131 105.0 78.6 117.8

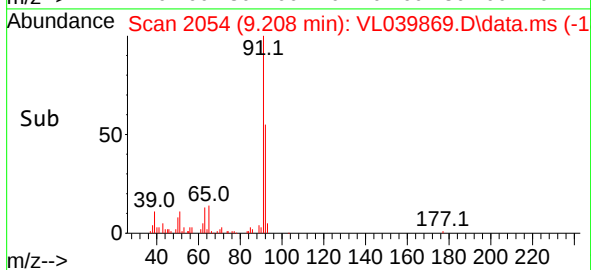
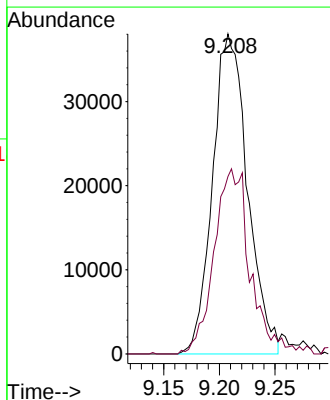
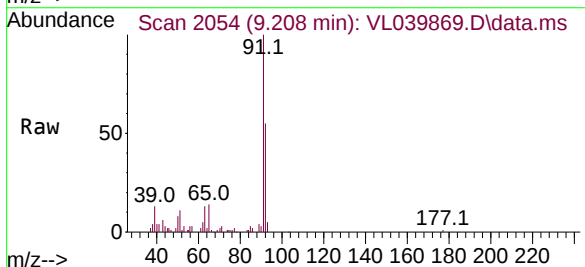
Manual Integrations
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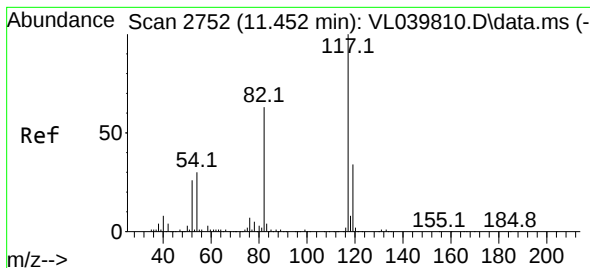
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#53
Toluene
Concen: 0.389 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

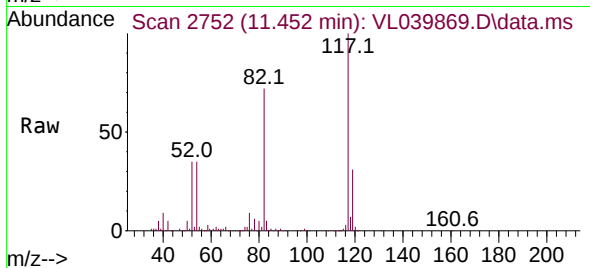
Tgt Ion: 91 Resp: 82850
Ion Ratio Lower Upper
91 100
92 59.8 49.6 74.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

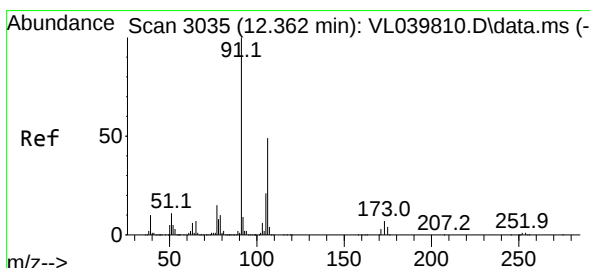
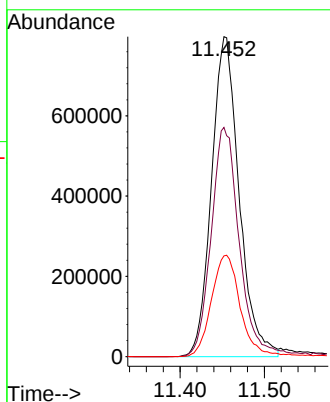
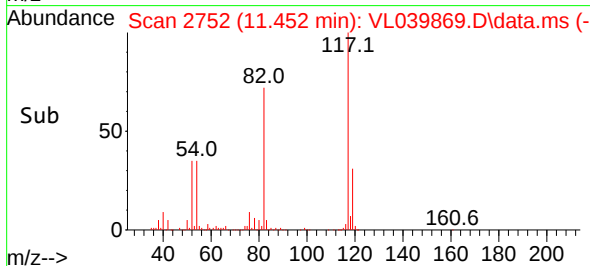
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



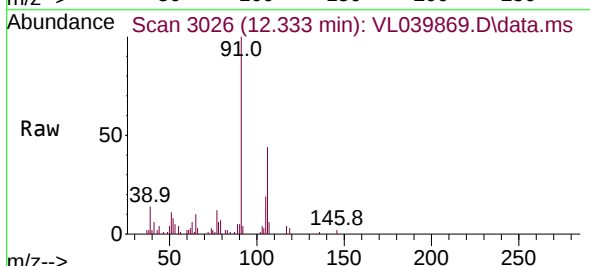
Tgt Ion: 117 Resp: 1814498
Ion Ratio Lower Upper
117 100
82 74.8 51.0 76.6
119 33.9 24.7 37.1

Manual Integrations
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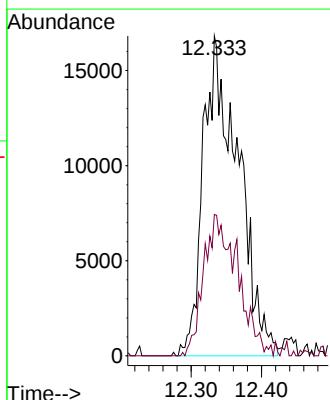
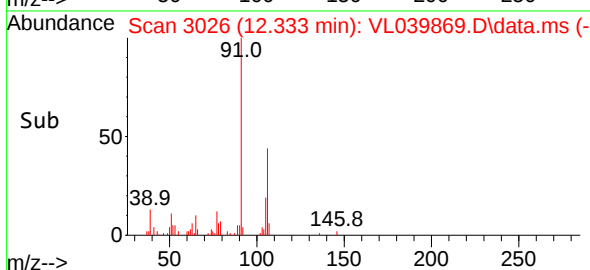
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

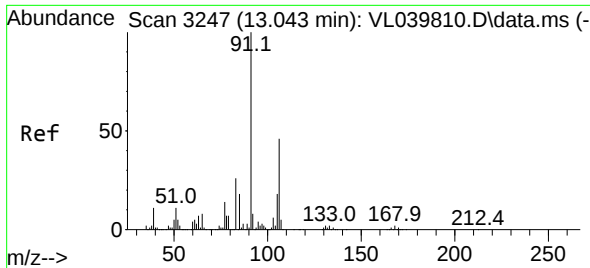


#59
m/p-Xylene
Concen: 0.282 ppbv m
RT: 12.333 min Scan# 3026
Delta R.T. -0.029 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36



Tgt Ion: 91 Resp: 57703
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#





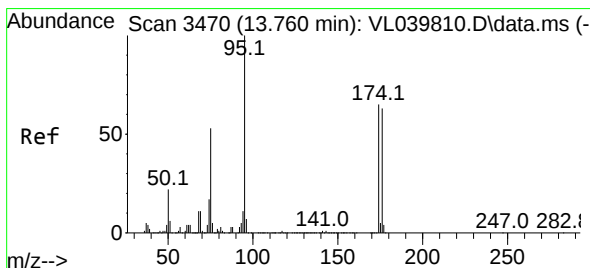
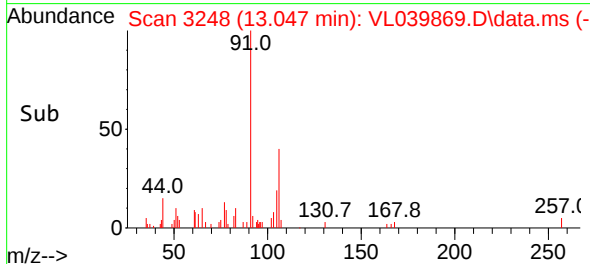
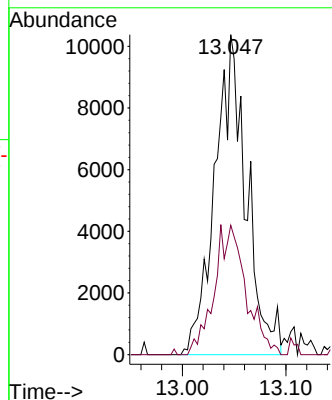
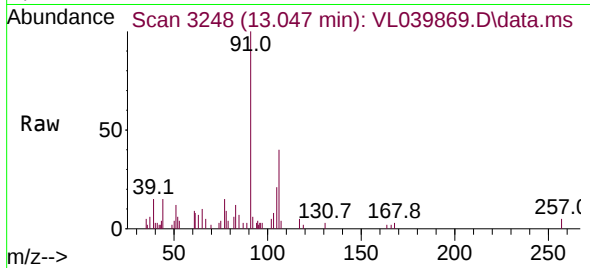
#60
o-Xylene
Concen: 0.112 ppbv m
RT: 13.047 min Scan# 3247
Delta R.T. 0.003 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Tgt Ion: 91 Resp: 21693
Ion Ratio Lower Upper
91 100
106 0.0 23.6 70.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.650 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.000 min
Lab File: VL039869.D
Acq: 10 Nov 2022 18:36

Tgt Ion: 95 Resp: 1446454
Ion Ratio Lower Upper
95 100
174 59.6 53.4 80.0
175 3.9 4.1 6.1

