

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039883.D
 Acq On : 11 Nov 2022 9:41
 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 10:12:55 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	5.201	49	940746	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	1962957	10.000	ppbv	# 0.01
55) Chlorobenzene-d5	11.468	117	1667681	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1361672	10.909	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	25029	0.158	ppbv	97
3) Chlorodifluoromethane	2.700	51	48943	0.436	ppbv	96
4) Chloromethane	2.835	50	16564	0.237	ppbv	99
11) Trichlorofluoromethane	3.581	101	34457	0.266	ppbv	97
13) Ethanol	3.256	45	292847	70.910	ppbv	96
15) Acetone	3.488	43	407697	3.560	ppbv	97
19) Isopropyl Alcohol	3.600	45	176621	3.116	ppbv	# 41
20) Methylene Chloride	3.951	84	598090	14.600	ppbv	94
26) Hexane	5.227	57	148639	1.413	ppbv	# 41
29) Chloroform	5.288	83	19762m	0.134	ppbv	
35) Carbon Tetrachloride	6.494	117	9242	0.081	ppbv	# 57
36) Benzene	6.375	78	33067	0.200	ppbv	99
38) Trichloroethene	7.291	130	95015	1.072	ppbv	94
52) Tetrachloroethene	10.619	164	1446000	23.309	ppbv	92
53) Toluene	9.224	91	72296m	0.381	ppbv	
59) m/p-Xylene	12.346	91	45180m	0.240	ppbv	
60) o-Xylene	13.053	91	18369m	0.103	ppbv	

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

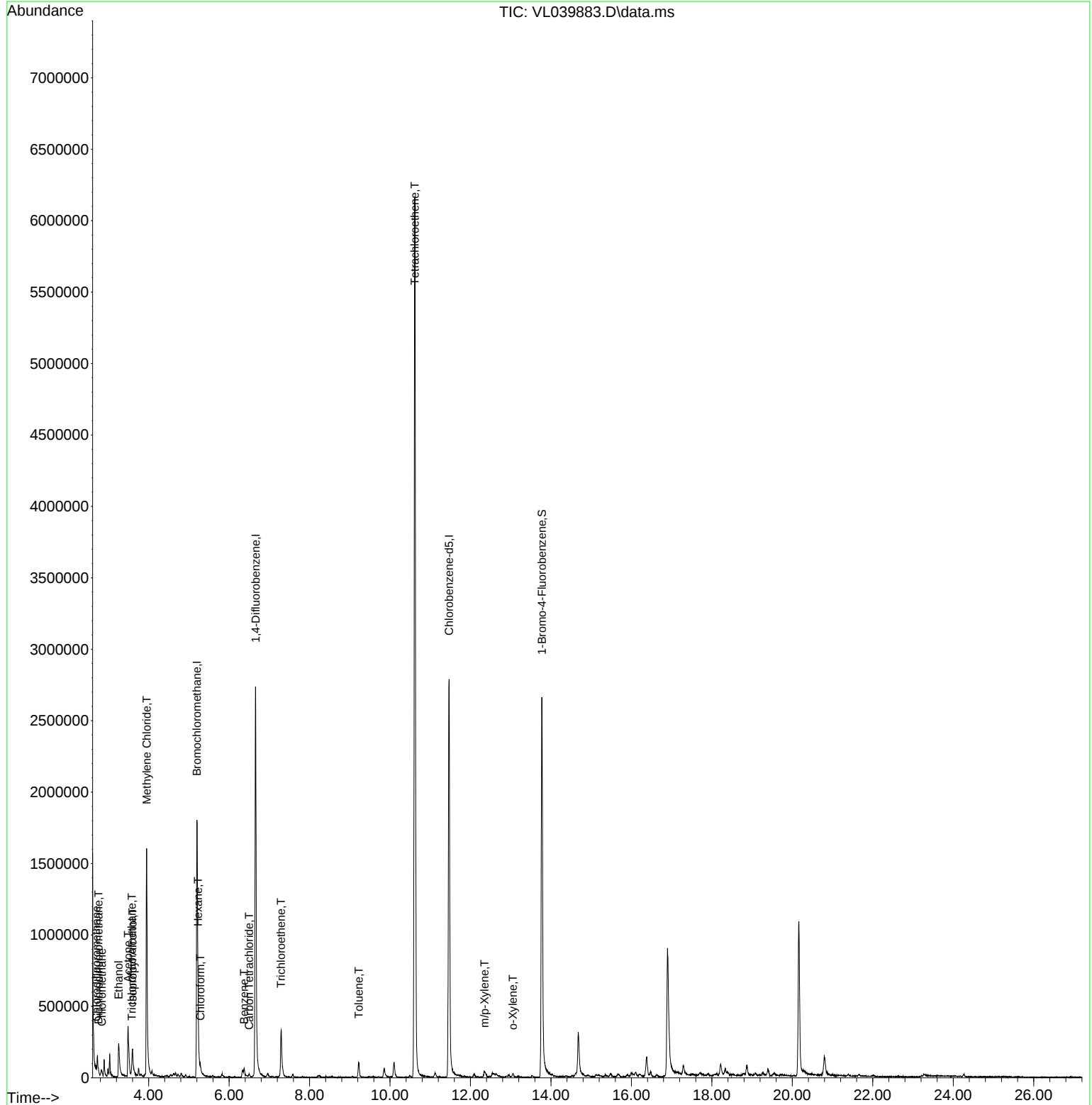
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039883.D
Acq On : 11 Nov 2022 9:41
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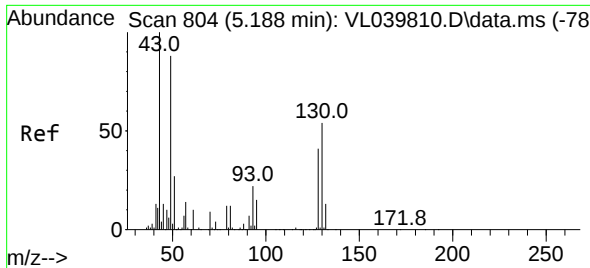
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Quant Time: Nov 11 10:12:55 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
Response via : Initial Calibration

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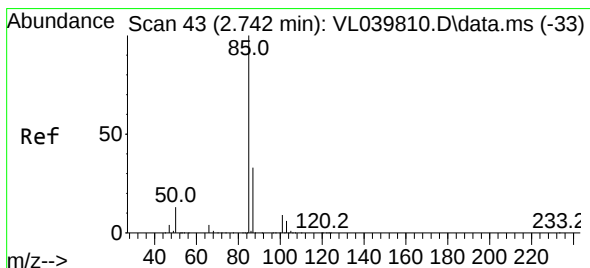
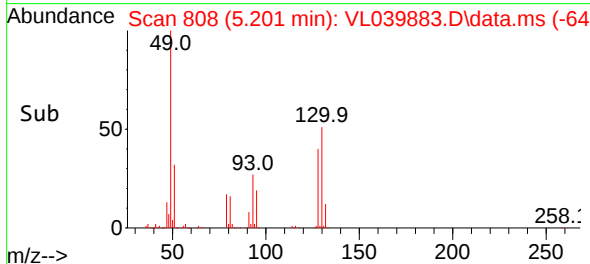
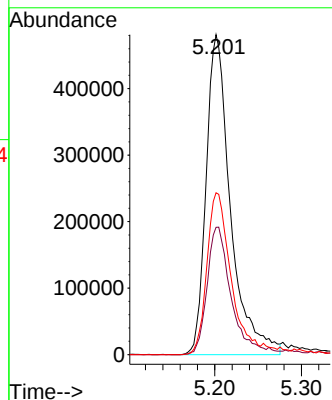
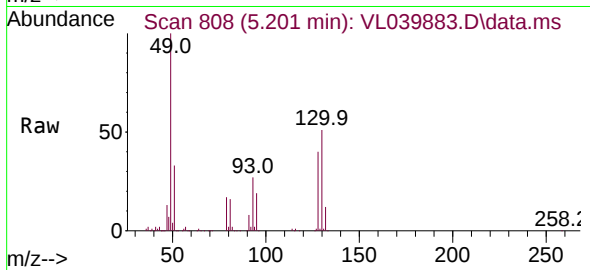
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 804
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Tgt Ion: 49 Resp: 940746
Ion Ratio Lower Upper
49 100
128 41.2 24.6 73.6
130 53.2 31.1 93.2

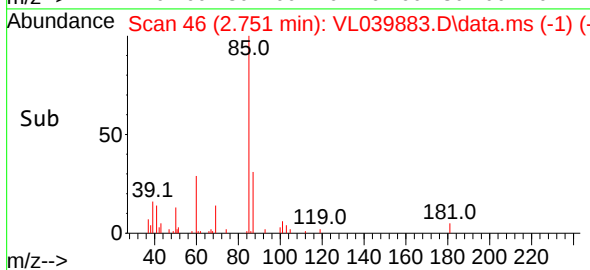
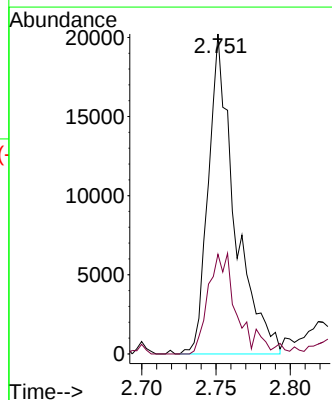
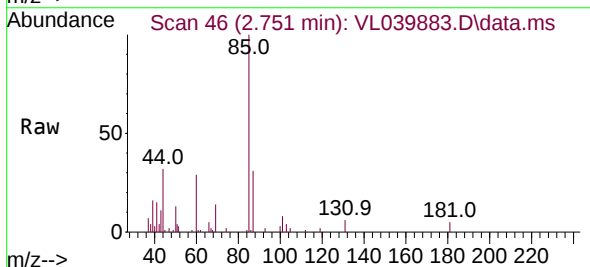
Manual Integrations
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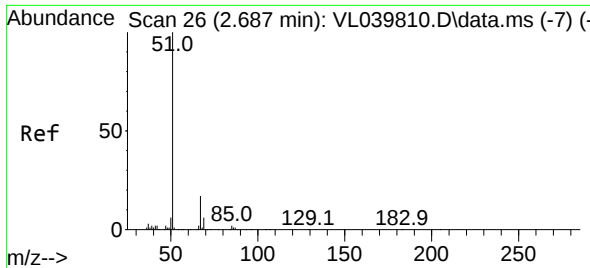
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#2
Dichlorodifluoromethane
Concen: 0.158 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.010 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Tgt Ion: 85 Resp: 25029
Ion Ratio Lower Upper
85 100
87 31.1 26.4 39.6





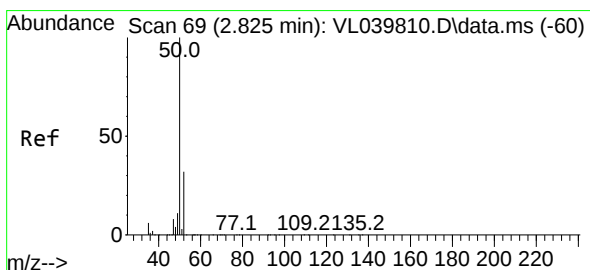
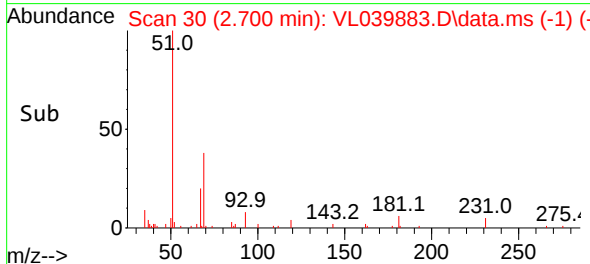
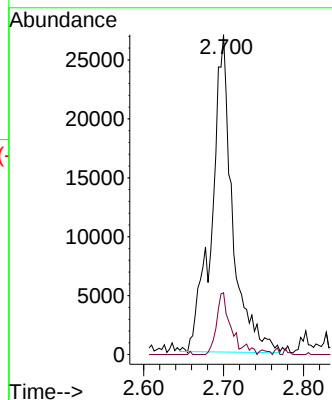
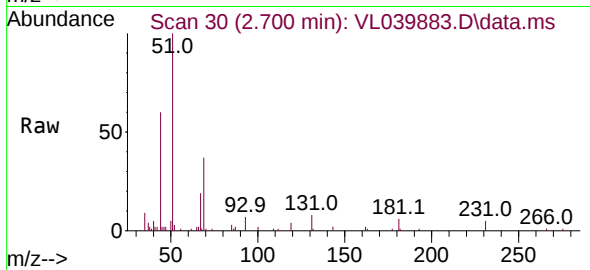
#3
Chlorodifluoromethane
Concen: 0.436 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Tgt Ion: 51 Resp: 48943
Ion Ratio Lower Upper
51 100
67 14.6 13.2 19.8

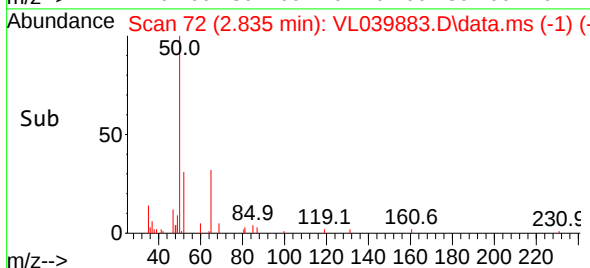
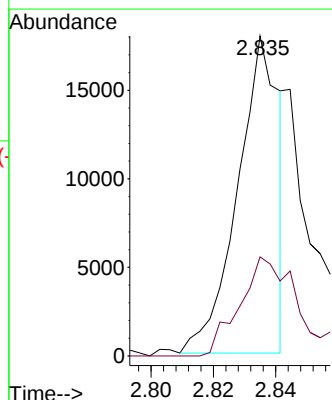
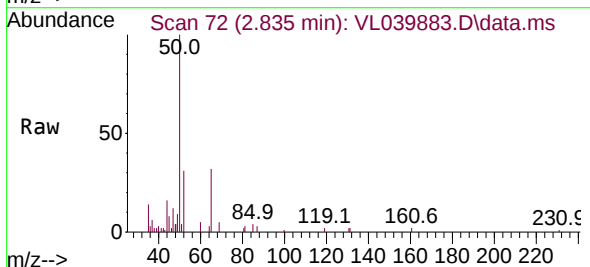
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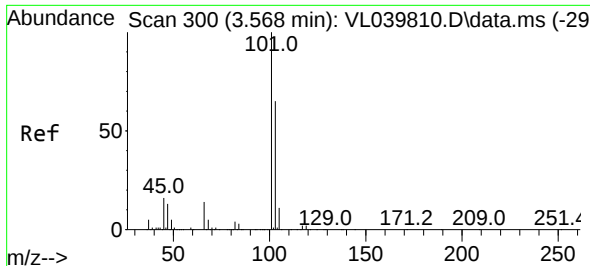
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#4
Chloromethane
Concen: 0.237 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

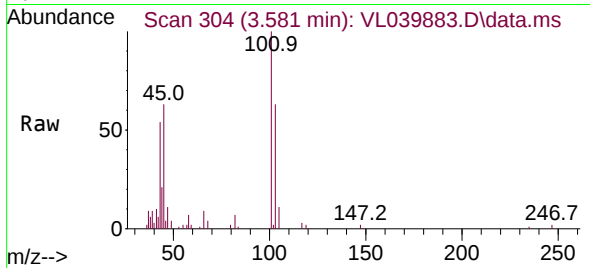
Tgt Ion: 50 Resp: 16564
Ion Ratio Lower Upper
50 100
52 31.2 25.5 38.3





#11
Trichlorofluoromethane
Concen: 0.266 ppbv
RT: 3.581 min Scan# 300
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

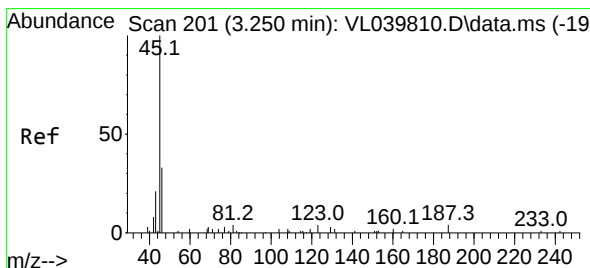
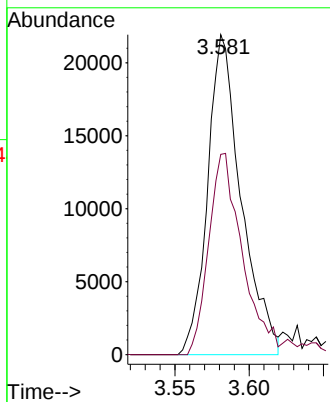
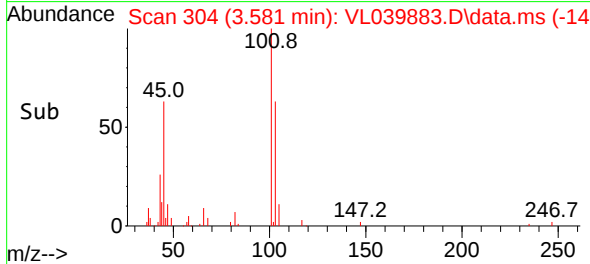
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



Tgt Ion:101 Resp: 34452
Ion Ratio Lower Upper
101 100
103 62.6 52.2 78.2

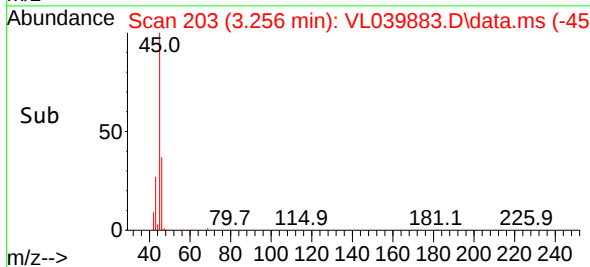
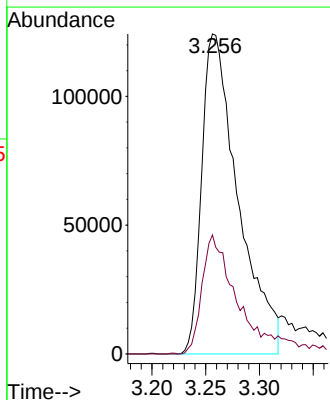
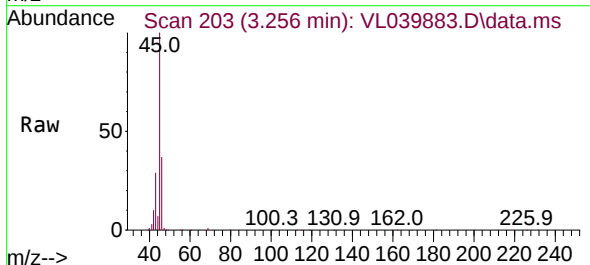
Manual Integrations
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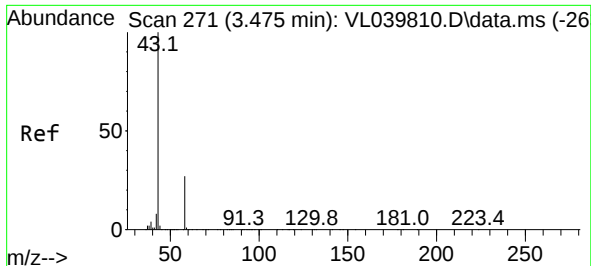
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#13
Ethanol
Concen: 70.910 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.007 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

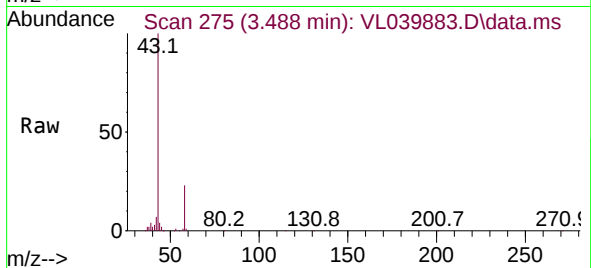
Tgt Ion: 45 Resp: 292847
Ion Ratio Lower Upper
45 100
46 39.0 16.5 65.9





#15
Acetone
Concen: 3.560 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

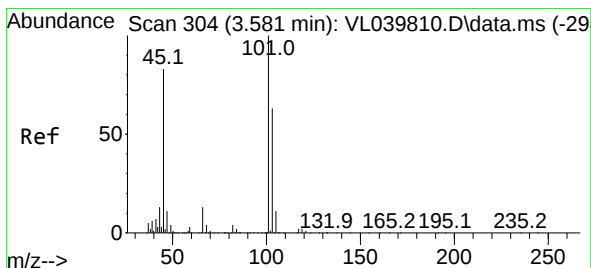
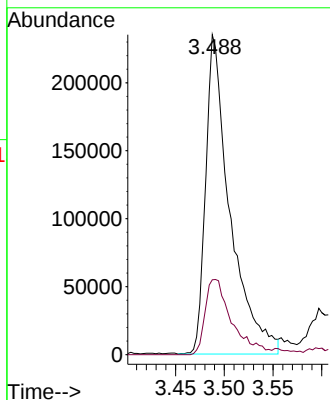
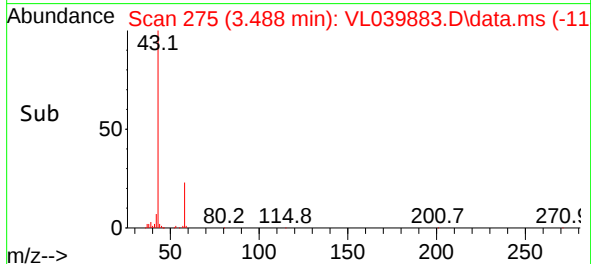
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



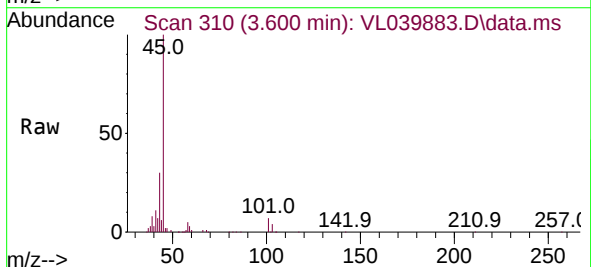
Tgt Ion: 43 Resp: 407692
Ion Ratio Lower Upper
43 100
58 27.3 23.2 34.8

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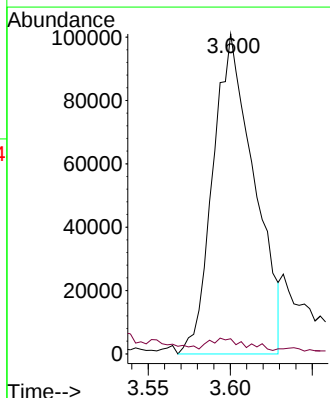
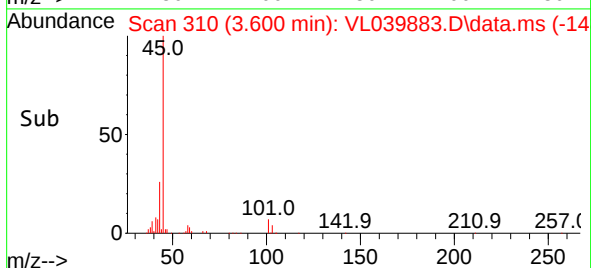
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

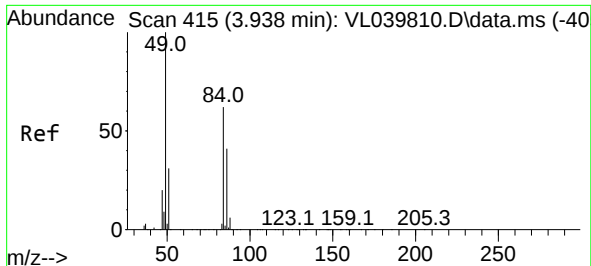


#19
Isopropyl Alcohol
Concen: 3.116 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.019 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41



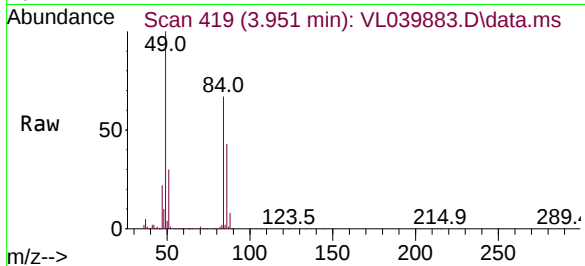
Tgt Ion: 45 Resp: 176621
Ion Ratio Lower Upper
45 100
58 8.0 38.3 57.5#





#20
Methylene Chloride
Concen: 14.600 ppbv
RT: 3.951 min Scan# 415
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

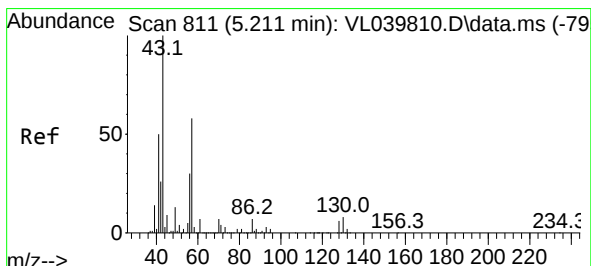
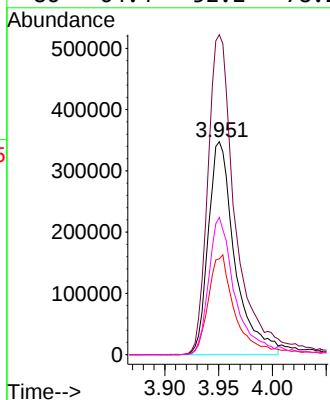
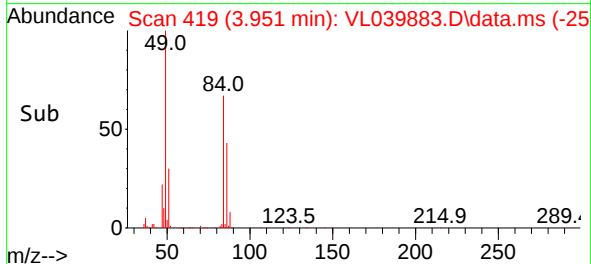
Instrument :
MSVOA_L
ClientSampleId :
SS-ET1



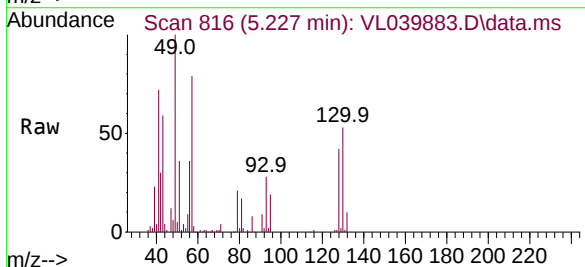
Tgt Ion: 84 Resp: 598090
Ion Ratio Lower Upper
84 100
49 150.3 128.6 192.8
51 44.9 40.2 60.4
86 64.4 52.2 78.2

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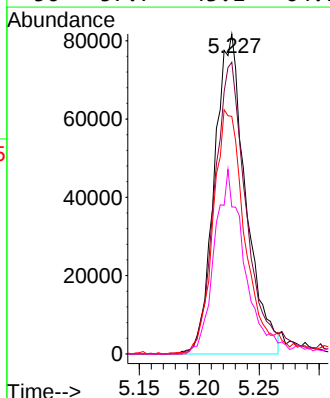
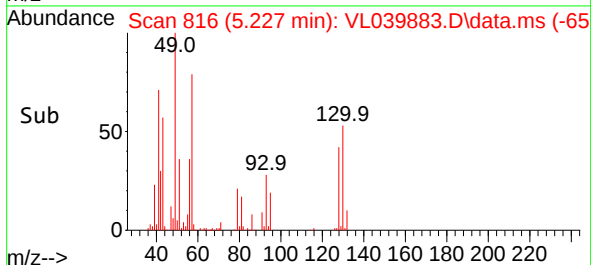
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

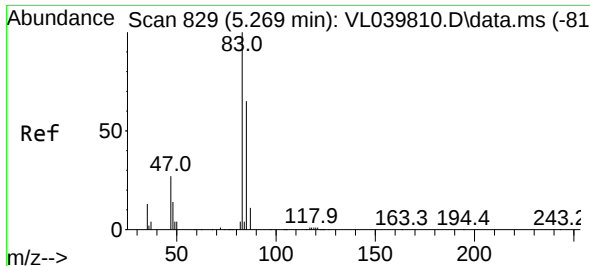


#26
Hexane
Concen: 1.413 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.016 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41



Tgt Ion: 57 Resp: 148639
Ion Ratio Lower Upper
57 100
41 96.0 73.7 110.5
43 81.2 189.8 284.8#
56 57.7 43.1 64.7





#29

Chloroform

Concen: 0.134 ppbv m

RT: 5.288 min Scan# 83

Delta R.T. 0.019 min

Lab File: VL039883.D

Acq: 11 Nov 2022 9:41

Instrument :

MSVOA_L

ClientSampleId :

SS-ET1

Tgt Ion: 83 Resp: 19762

Ion Ratio Lower Upper

83 100

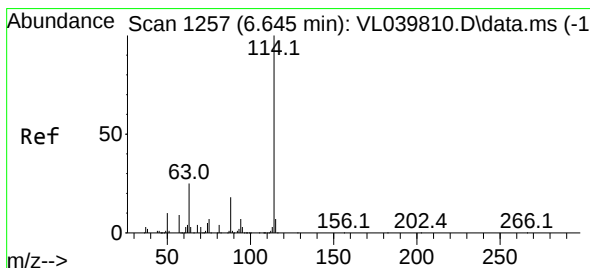
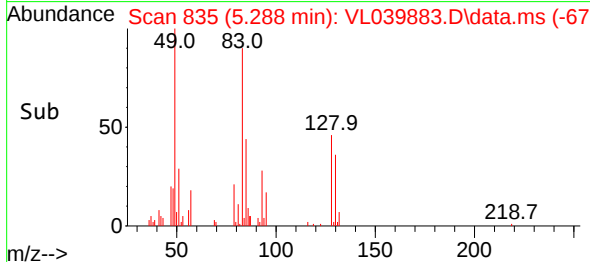
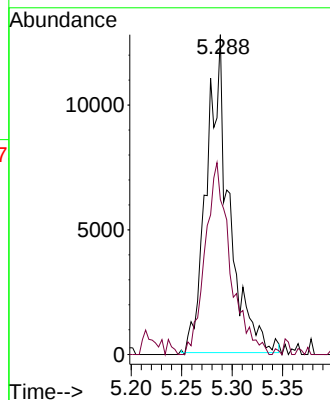
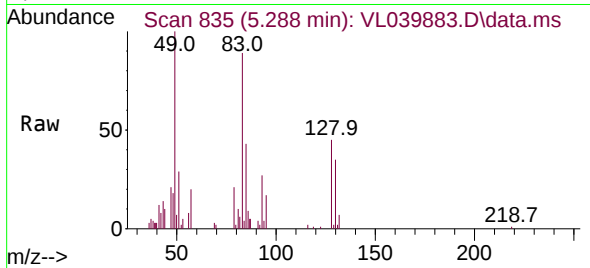
85 48.4 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.013 min

Lab File: VL039883.D

Acq: 11 Nov 2022 9:41

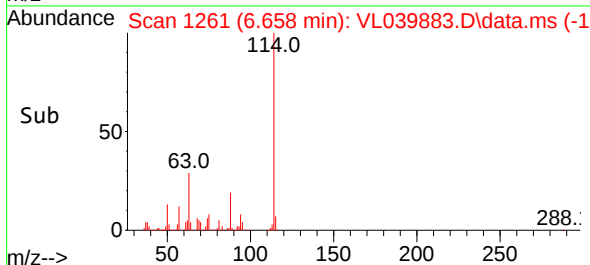
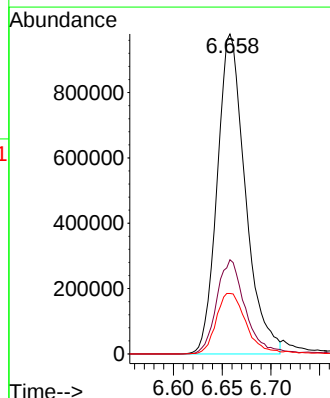
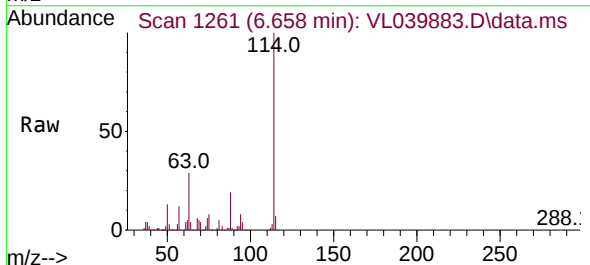
Tgt Ion:114 Resp: 1962957

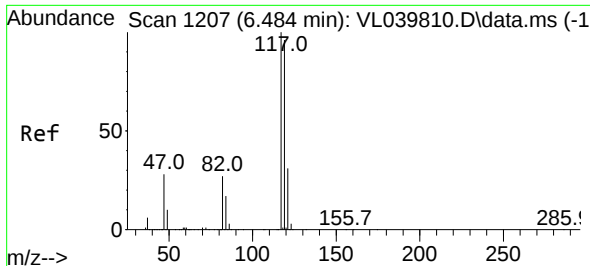
Ion Ratio Lower Upper

114 100

63 30.8 19.8 29.6

88 20.6 14.4 21.6





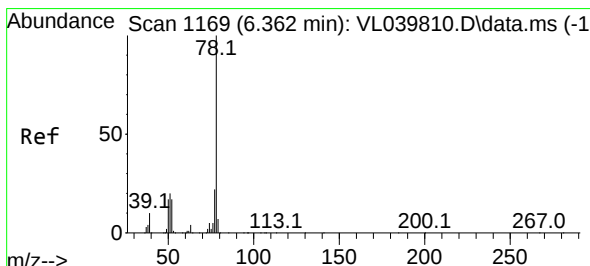
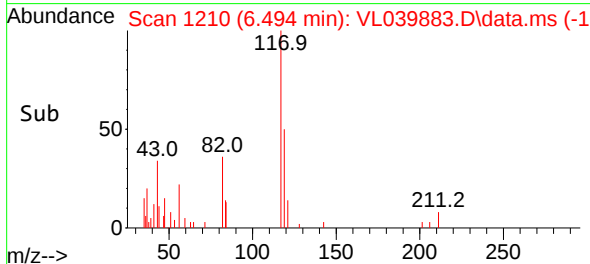
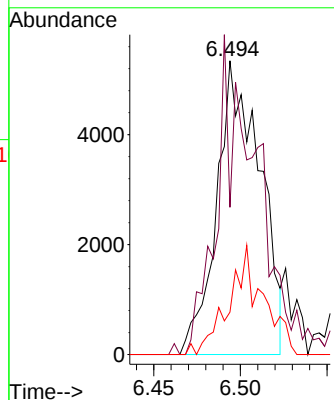
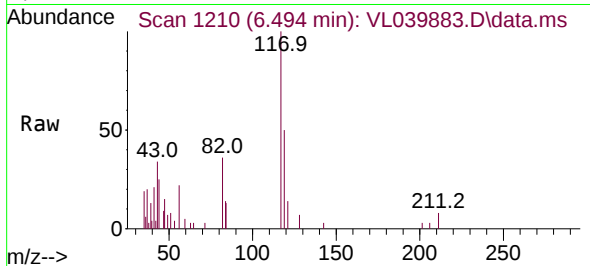
#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 6.494 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Tgt Ion:117 Resp: 924
Ion Ratio Lower Upper
117 100
119 50.1 76.5 114.7
121 14.4 25.2 37.8

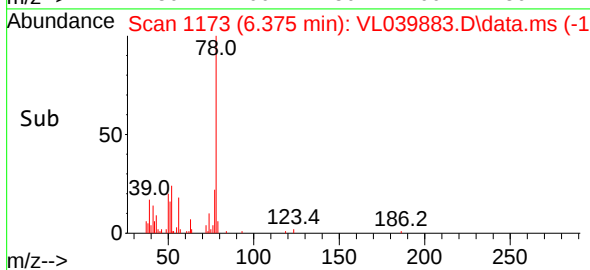
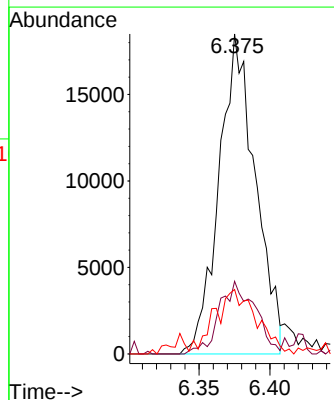
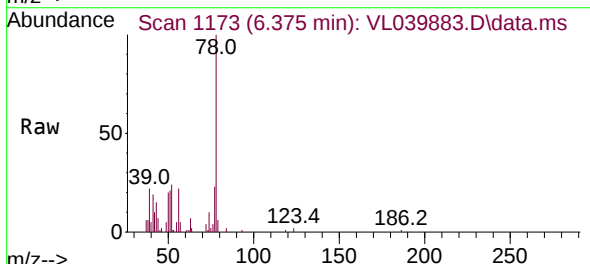
Manual Integrations
APPROVED

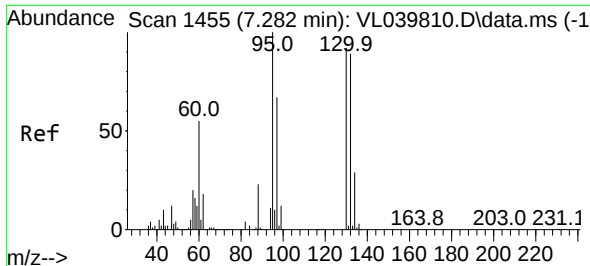
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#36
Benzene
Concen: 0.200 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.013 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

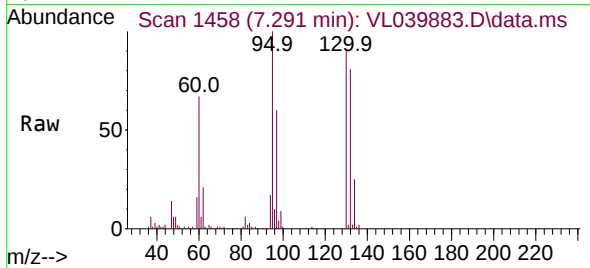
Tgt Ion: 78 Resp: 33067
Ion Ratio Lower Upper
78 100
77 22.7 17.4 26.2
50 17.6 13.9 20.9





#38
 Trichloroethene
 Concen: 1.072 ppbv
 RT: 7.291 min Scan# 1455
 Delta R.T. 0.010 min
 Lab File: VL039883.D
 Acq: 11 Nov 2022 9:41

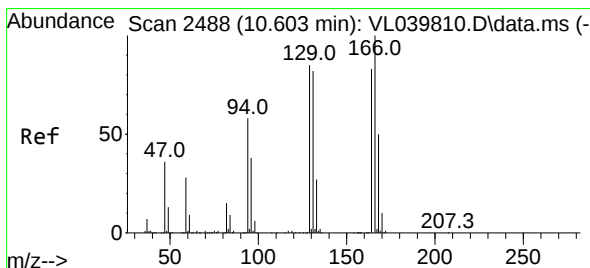
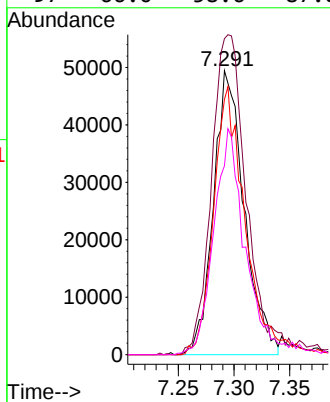
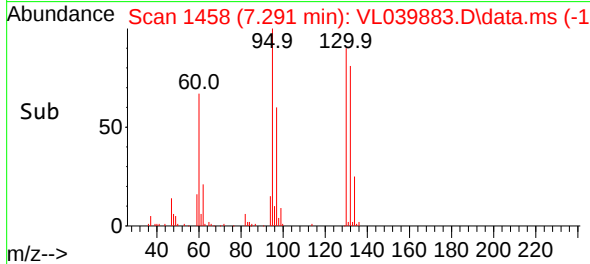
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-ET1



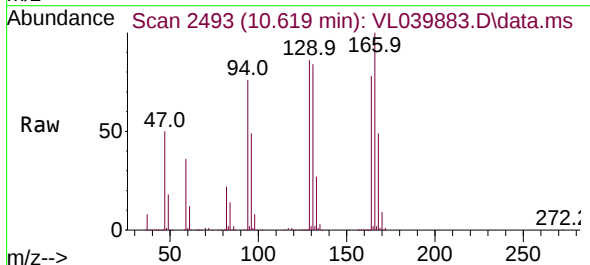
Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.3	87.4	131.2
132	89.9	77.7	116.5
97	66.0	58.6	87.8

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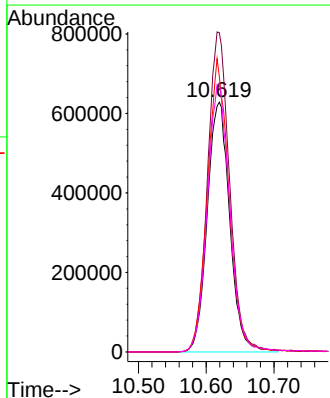
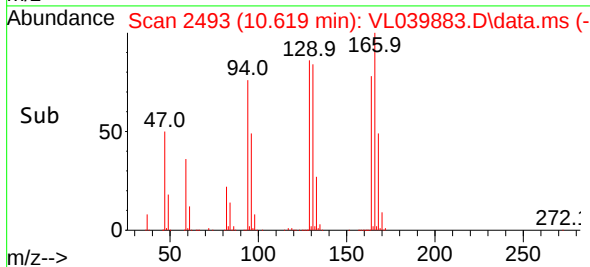
Reviewed By :Semsettin Yesilyurt 11/11/2022
 Supervised By :Mahesh Dadoda 11/11/2022

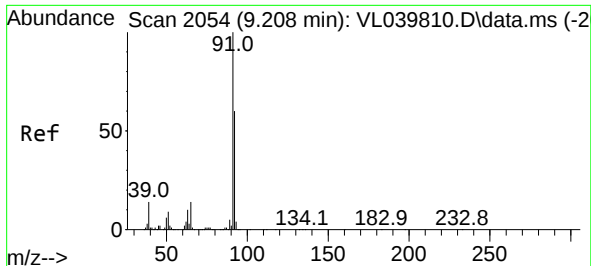


#52
 Tetrachloroethene
 Concen: 23.309 ppbv
 RT: 10.619 min Scan# 2493
 Delta R.T. 0.016 min
 Lab File: VL039883.D
 Acq: 11 Nov 2022 9:41



Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	96.0	144.0
129	110.2	81.4	122.2
131	107.3	78.6	117.8





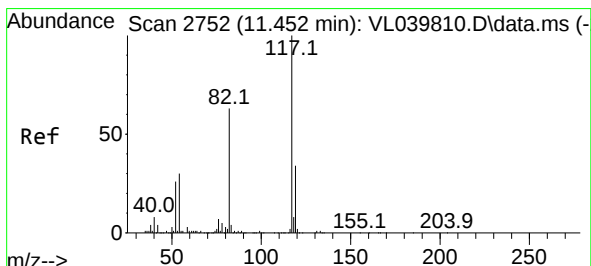
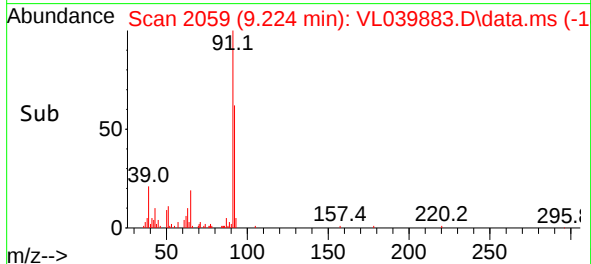
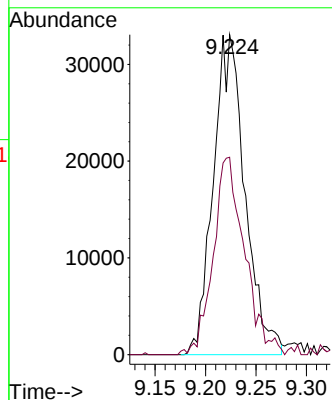
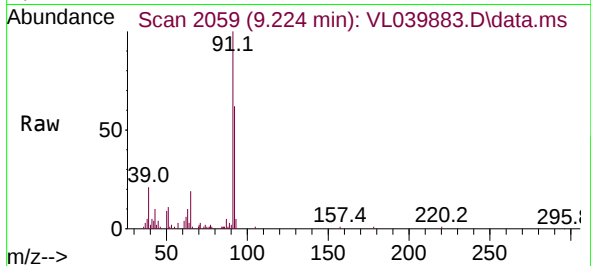
#53
Toluene
Concen: 0.381 ppbv m
RT: 9.224 min Scan# 2054
Delta R.T. 0.016 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Instrument :
MSVOA_L
ClientSampleId :
SS-ET1

Tgt Ion: 91 Resp: 72296
Ion Ratio Lower Upper
91 100
92 61.4 49.6 74.4

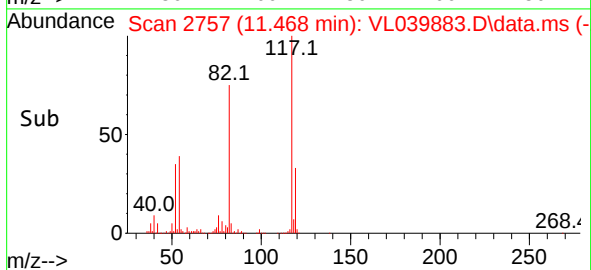
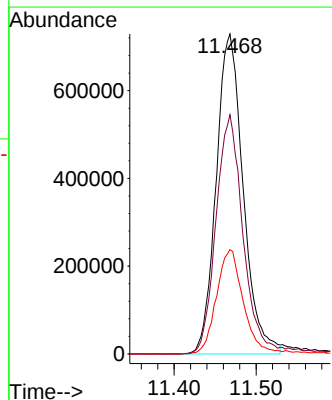
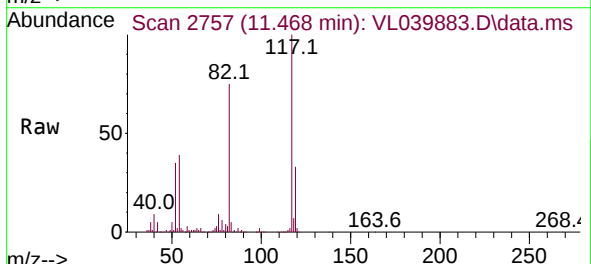
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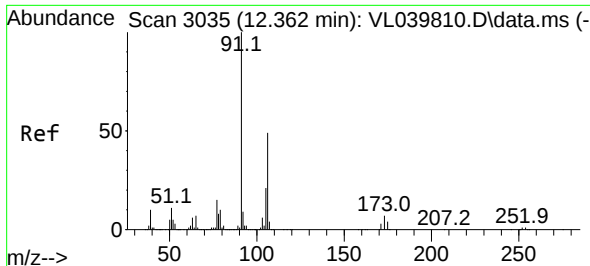
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.016 min
Lab File: VL039883.D
Acq: 11 Nov 2022 9:41

Tgt Ion:117 Resp: 1667681
Ion Ratio Lower Upper
117 100
82 77.2 51.0 76.6#
119 33.2 24.7 37.1





#59

m/p-Xylene

Concen: 0.240 ppbv m

RT: 12.346 min Scan# 3035

Delta R.T. -0.016 min

Lab File: VL039883.D

Acq: 11 Nov 2022 9:41

Instrument :

MSVOA_L

ClientSampleId :

SS-ET1

Tgt Ion: 91 Resp: 45180

Ion Ratio Lower Upper

91 100

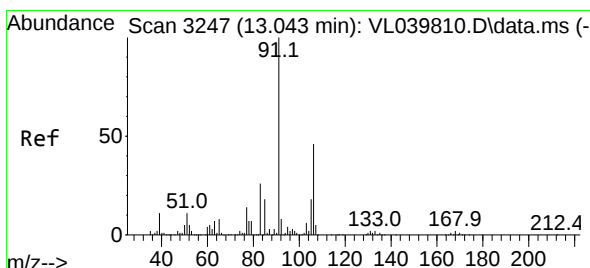
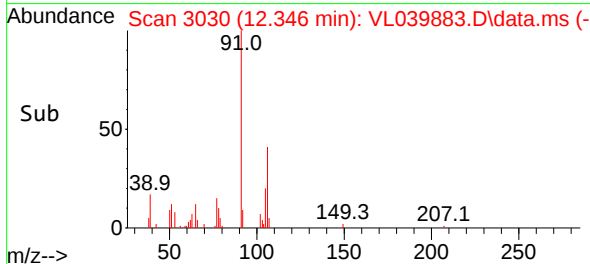
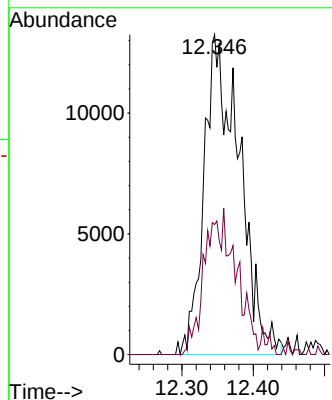
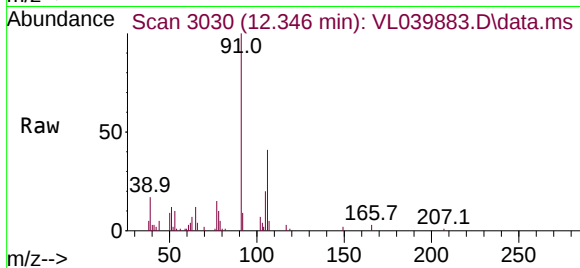
106 0.0 37.6 56.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#60

o-Xylene

Concen: 0.103 ppbv m

RT: 13.053 min Scan# 3250

Delta R.T. 0.010 min

Lab File: VL039883.D

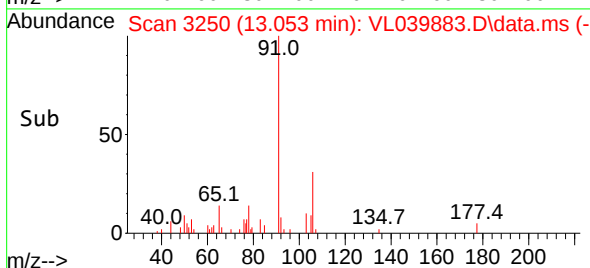
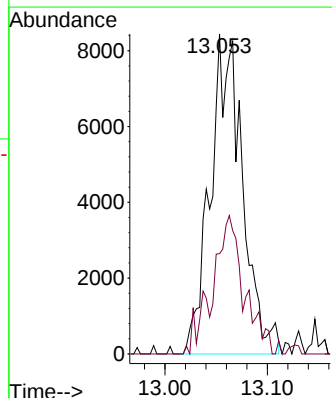
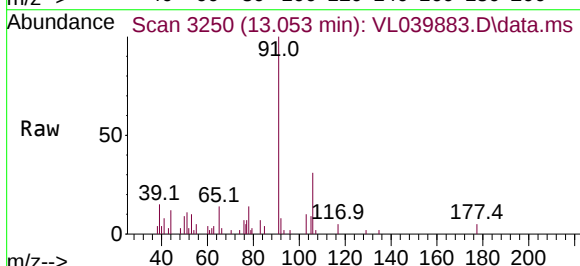
Acq: 11 Nov 2022 9:41

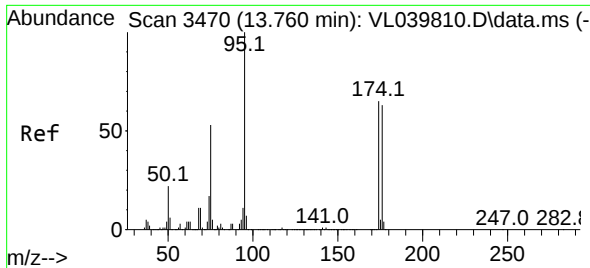
Tgt Ion: 91 Resp: 18369

Ion Ratio Lower Upper

91 100

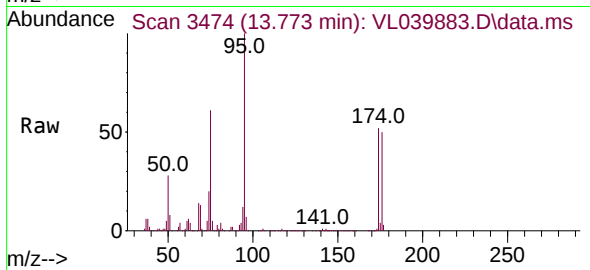
106 43.8 23.6 70.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.909 ppbv
 RT: 13.773 min Scan# 3470
 Delta R.T. 0.013 min
 Lab File: VL039883.D
 Acq: 11 Nov 2022 9:41

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-ET1



Tgt Ion: 95 Resp: 1361672
 Ion Ratio Lower Upper
 95 100
 174 57.4 53.4 80.0
 175 4.0 4.1 6.1

Manual Integrations
 APPROVED

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

