

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039880.D
 Acq On : 11 Nov 2022 1:47
 Operator : SY/AP
 Sample : N5584-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 05:04:58 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	5.195	49	925432	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2376372	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2075624	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1665587	10.721	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.200%
Target Compounds						Qvalue
9) Propene	2.716	41	19127m	0.333	ppbv	
10) Heptane	7.574	43	25136m	0.183	ppbv	
11) Trichlorofluoromethane	3.578	101	29426m	0.231	ppbv	
13) Ethanol	3.266	45	9960m	2.452	ppbv	
15) Acetone	3.491	43	177592	1.577	ppbv	97
19) Isopropyl Alcohol	3.610	45	6846m	0.123	ppbv	
20) Methylene Chloride	3.944	84	138762	3.443	ppbv	96
26) Hexane	5.217	57	206599	1.997	ppbv #	35
34) 2-Butanone	4.809	43	27087m	0.276	ppbv	
38) Trichloroethene	7.275	130	4411m	0.041	ppbv	
44) 2,2,4-Trimethylpentane	7.323	57	34987m	0.103	ppbv	
52) Tetrachloroethene	10.613	164	3198585	42.590	ppbv	94
53) Toluene	9.214	91	142739m	0.621	ppbv	
58) Ethyl Benzene	12.085	91	52561m	0.187	ppbv	
59) m/p-Xylene	12.339	91	170813m	0.729	ppbv	
60) o-Xylene	13.056	91	91444m	0.412	ppbv	
72) 4-Ethyltoluene	15.185	105	42145m	0.169	ppbv	
73) 1,3,5-Trimethylbenzene	15.352	105	47945m	0.216	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	191223	0.812	ppbv #	70

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

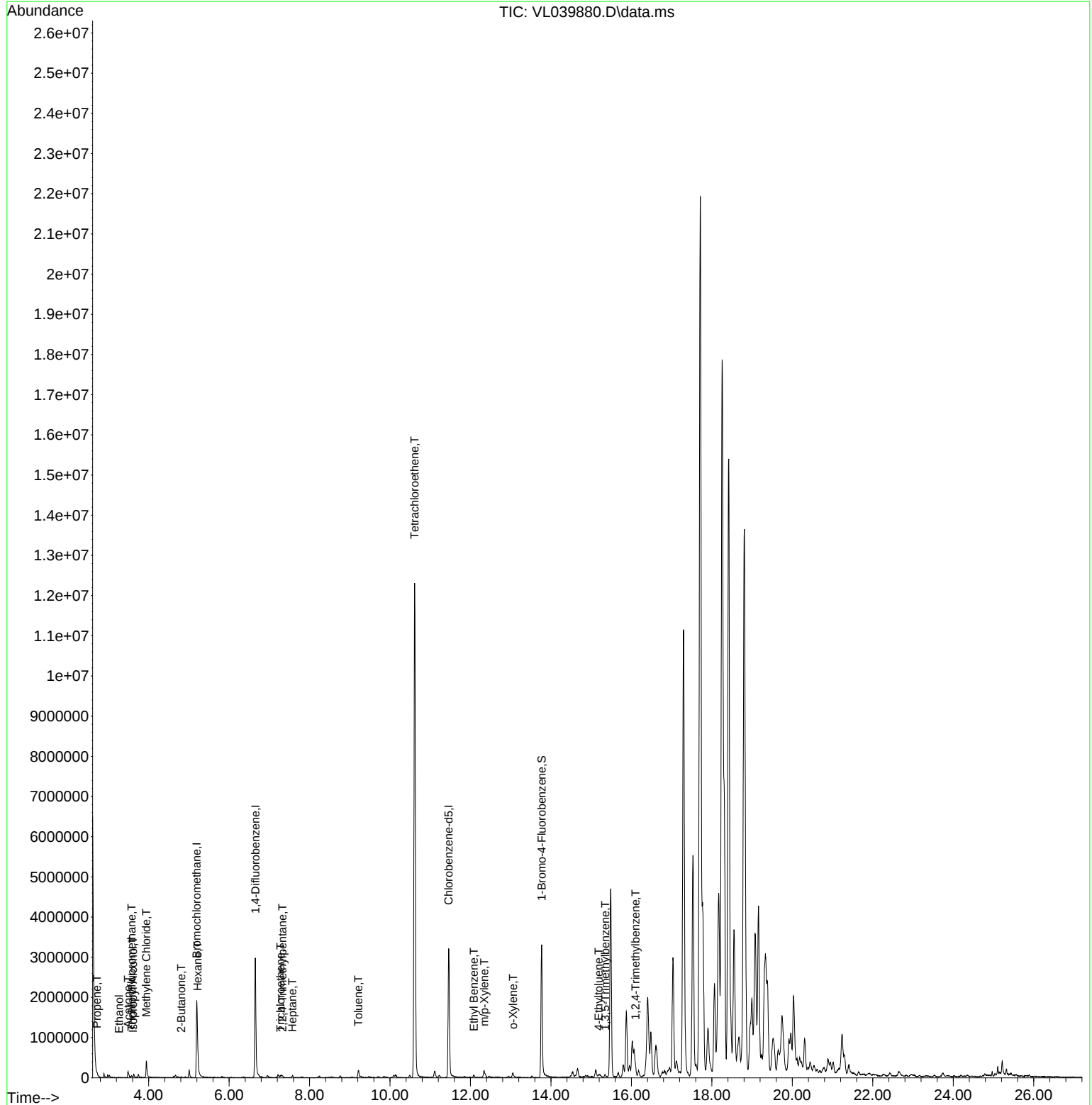
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
Data File : VL039880.D
Acq On : 11 Nov 2022 1:47
Operator : SY/AP
Sample : N5584-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

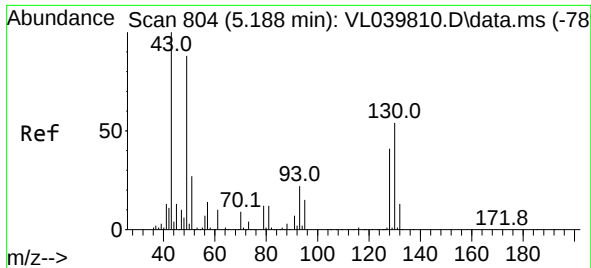
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Nov 11 05:04:58 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

Manual Integrations
APPROVED

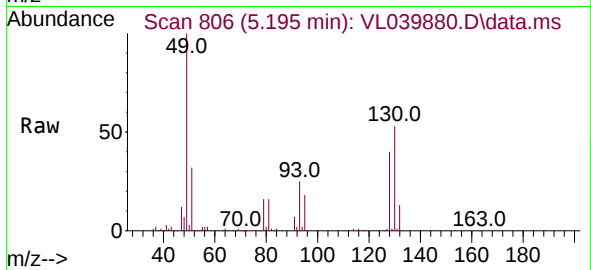
Reviewed By : Semsettin Yesilyurt 11/11/2022
Supervised By : Mahesh Dadoda 11/11/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

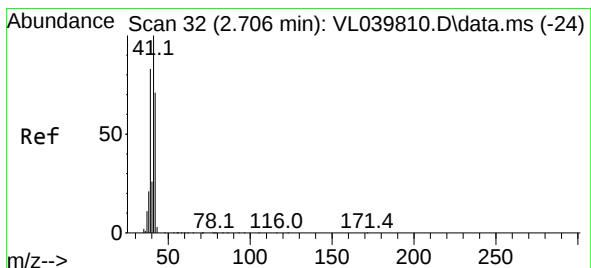
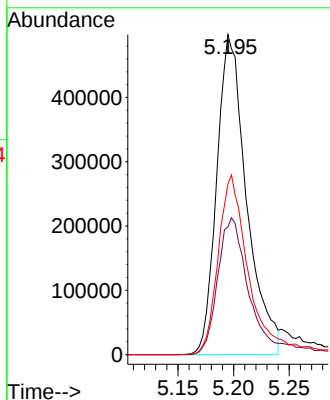
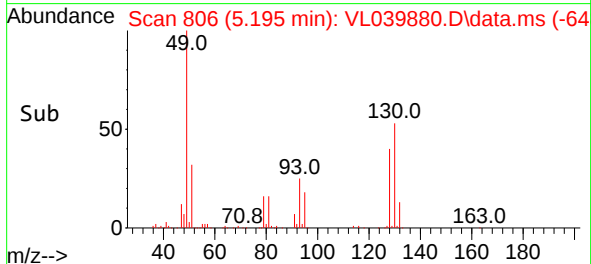
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 925432
Ion Ratio Lower Upper
49 100
128 48.4 24.6 73.6
130 60.7 31.1 93.2

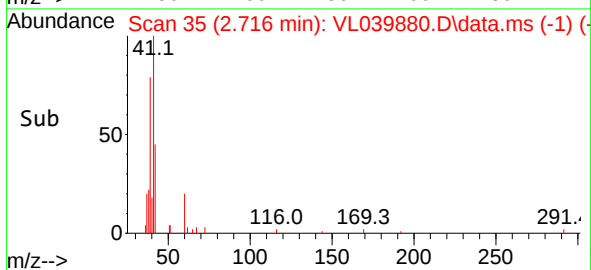
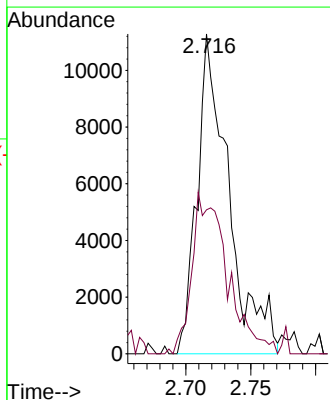
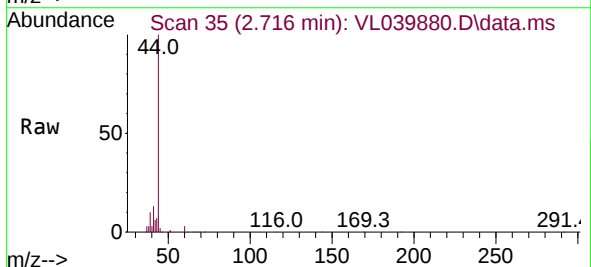
Manual Integrations
APPROVED

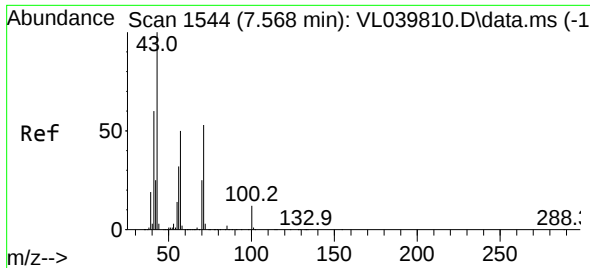
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#9
Propene
Concen: 0.333 ppbv m
RT: 2.716 min Scan# 35
Delta R.T. 0.010 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Tgt Ion: 41 Resp: 19127
Ion Ratio Lower Upper
41 100
42 57.4 56.3 84.5





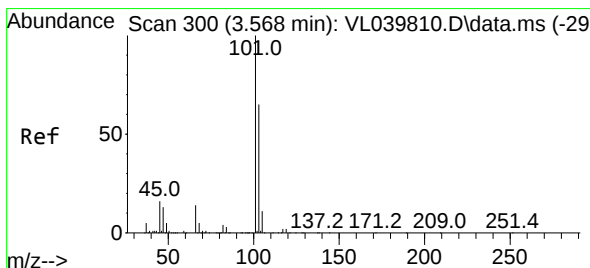
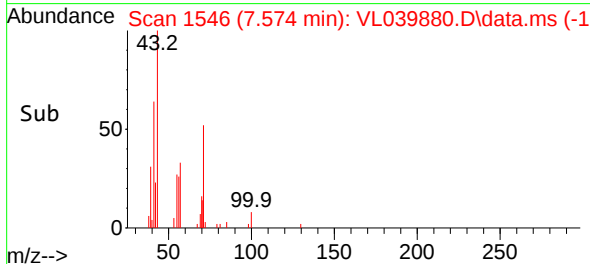
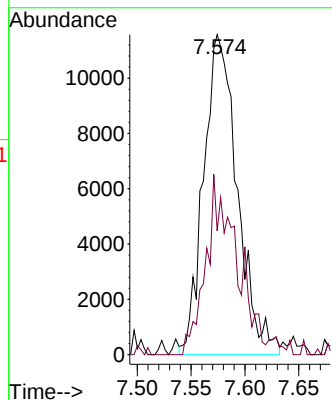
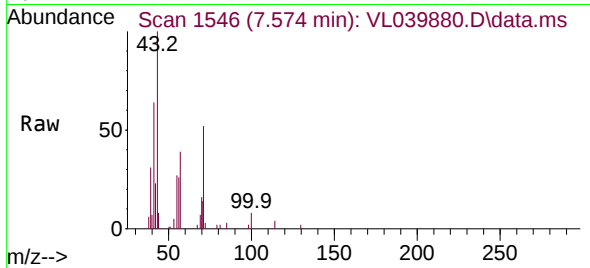
#10
Heptane
Concen: 0.183 ppbv m
RT: 7.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 25136
Ion Ratio Lower Upper
43 100
57 53.2 40.5 60.7

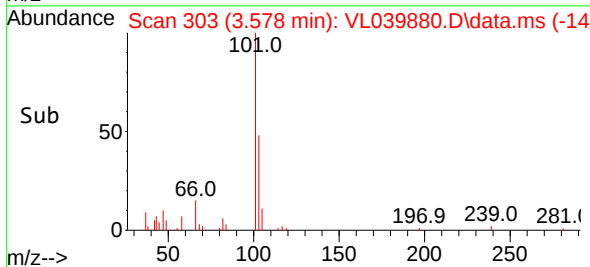
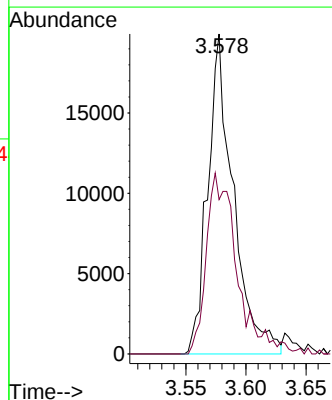
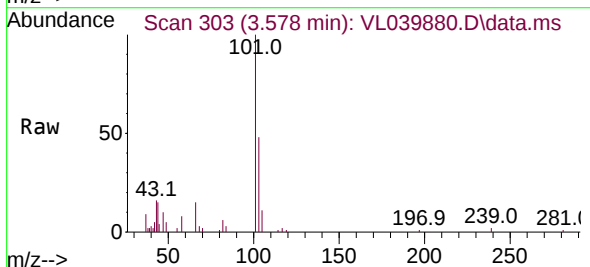
Manual Integrations
APPROVED

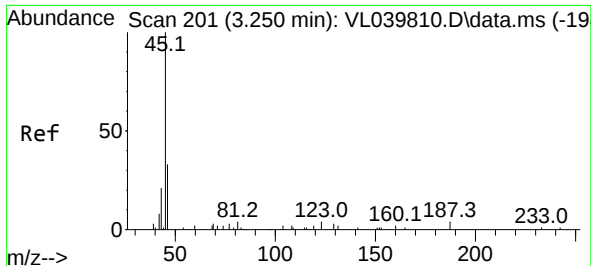
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#11
Trichlorofluoromethane
Concen: 0.231 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.010 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

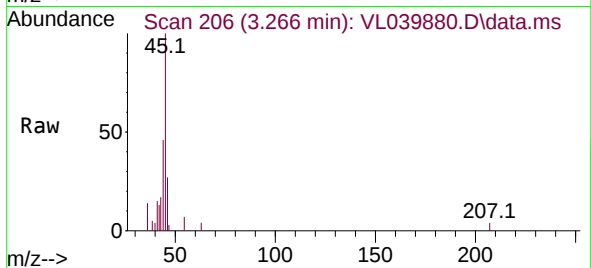
Tgt Ion:101 Resp: 29426
Ion Ratio Lower Upper
101 100
103 48.2 52.2 78.2#





#13
Ethanol
Concen: 2.452 ppbv m
RT: 3.266 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

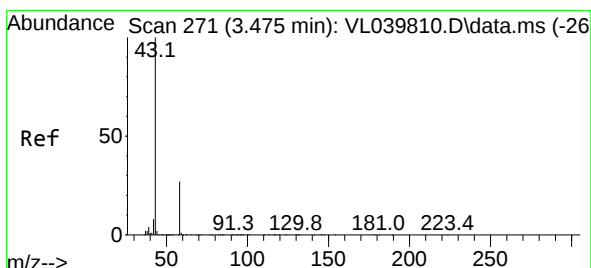
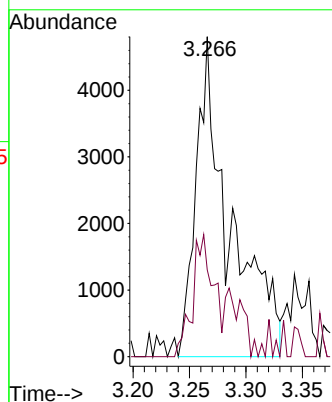
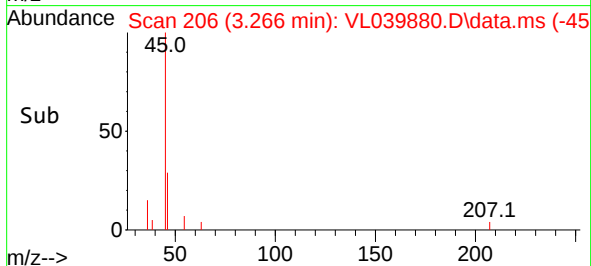
Instrument :
MSVOA_L
ClientSampleId :
SV2



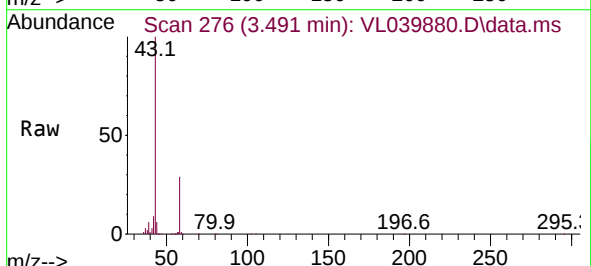
Tgt Ion: 45 Resp: 9960
Ion Ratio Lower Upper
45 100
46 36.0 16.5 65.9

Manual Integrations
APPROVED

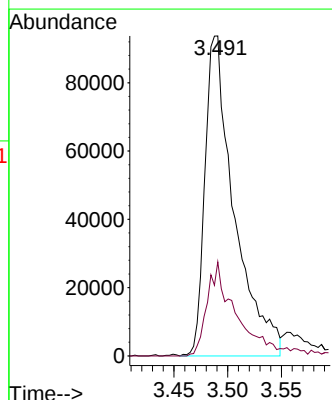
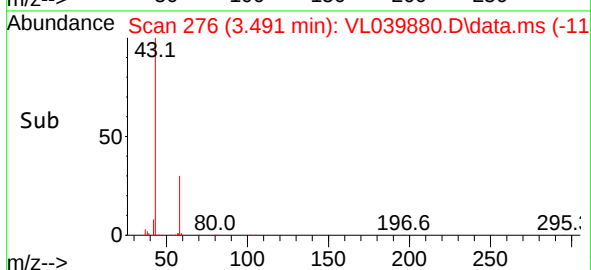
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

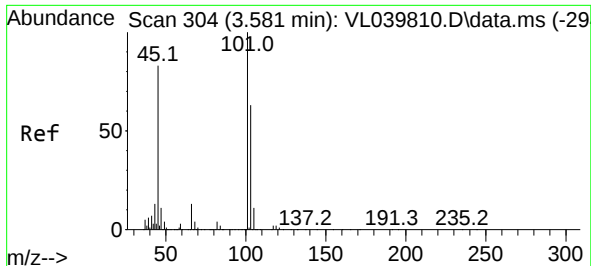


#15
Acetone
Concen: 1.577 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.016 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47



Tgt Ion: 43 Resp: 177592
Ion Ratio Lower Upper
43 100
58 30.5 23.2 34.8





#19

Isopropyl Alcohol

Concen: 0.123 ppbv m

RT: 3.610 min Scan# 313

Delta R.T. 0.029 min

Lab File: VL039880.D

Acq: 11 Nov 2022 1:47

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 45 Resp: 6846

Ion Ratio Lower Upper

45 100

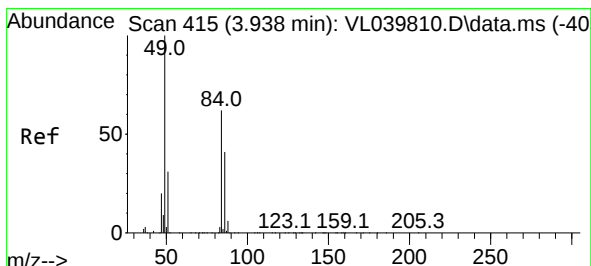
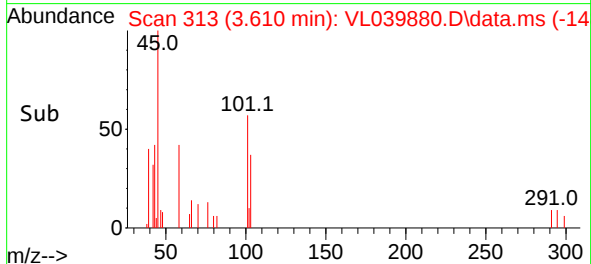
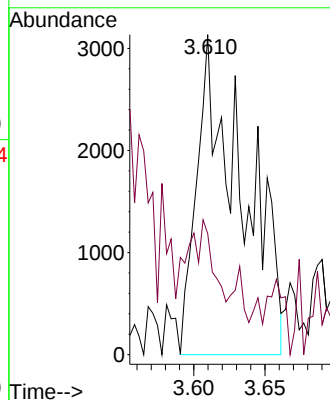
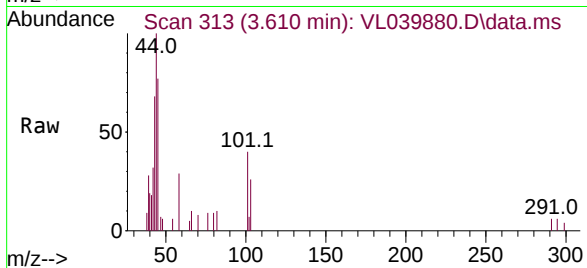
58 0.0 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022



#20

Methylene Chloride

Concen: 3.443 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.006 min

Lab File: VL039880.D

Acq: 11 Nov 2022 1:47

Tgt Ion: 84 Resp: 138762

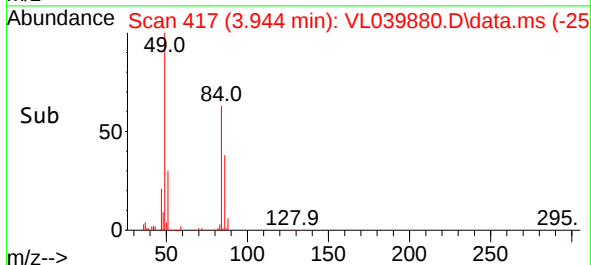
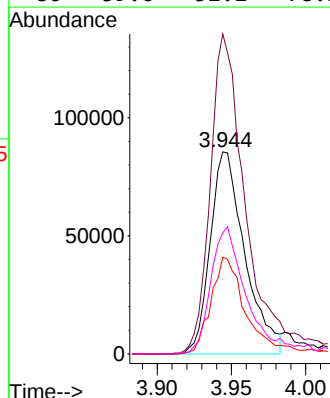
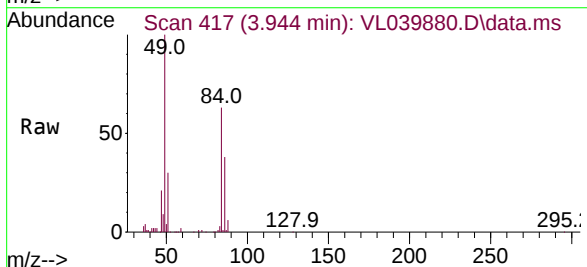
Ion Ratio Lower Upper

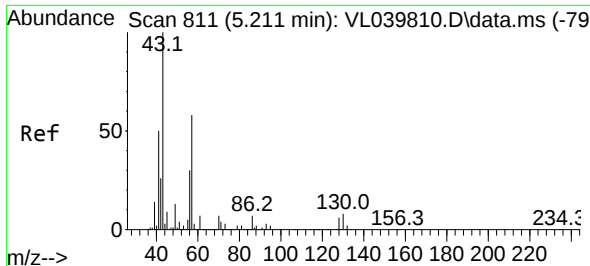
84 100

49 158.0 128.6 192.8

51 47.6 40.2 60.4

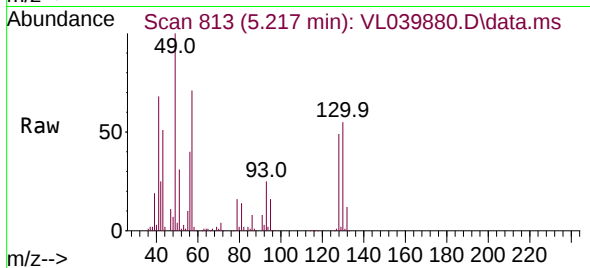
86 59.6 52.2 78.2





#26
Hexane
Concen: 1.997 ppbv
RT: 5.217 min Scan# 811
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

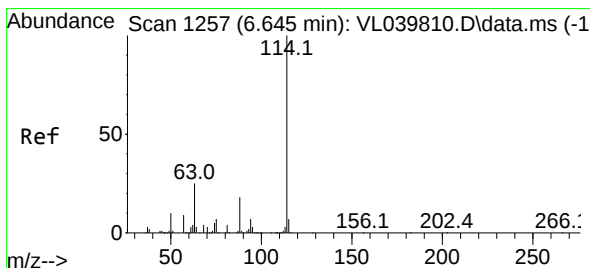
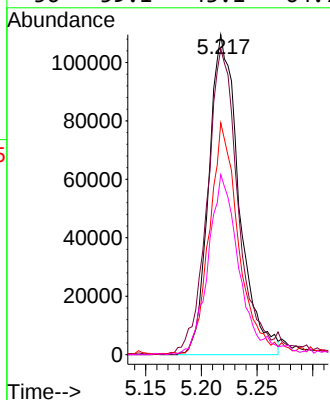
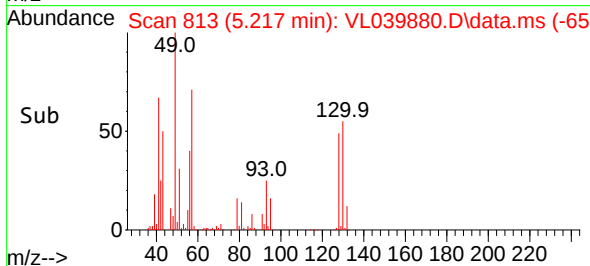
Instrument :
MSVOA_L
ClientSampleId :
SV2



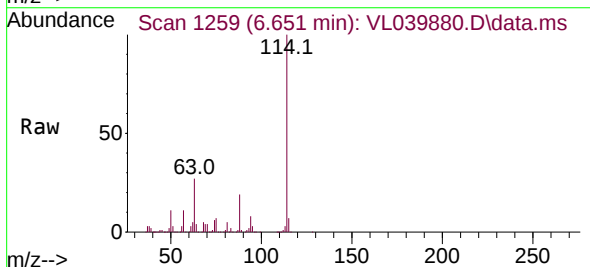
Tgt Ion: 57 Resp: 206599
Ion Ratio Lower Upper
57 100
41 102.2 73.7 110.5
43 70.4 189.8 284.8
56 59.1 43.1 64.7

Manual Integrations
APPROVED

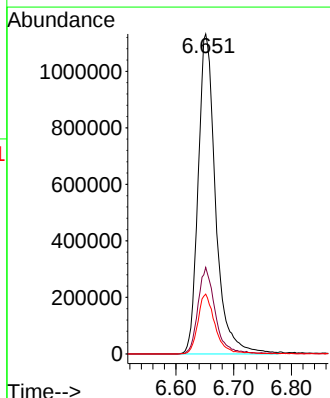
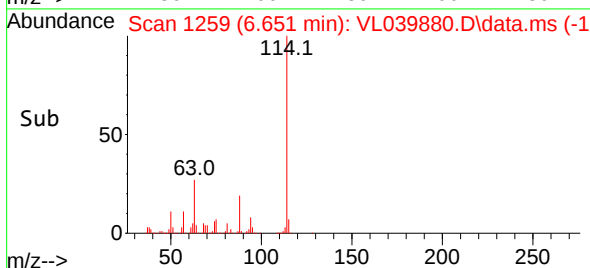
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

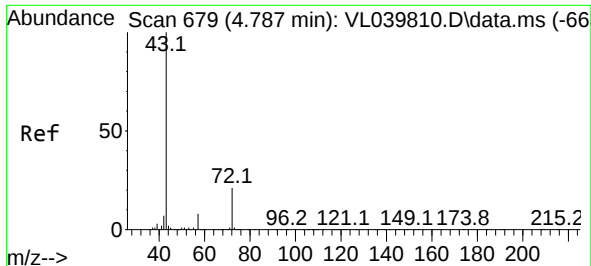


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47



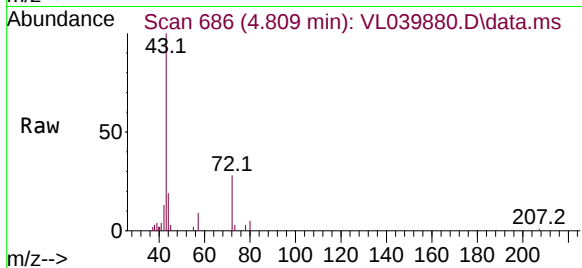
Tgt Ion:114 Resp: 2376372
Ion Ratio Lower Upper
114 100
63 26.8 19.8 29.6
88 18.4 14.4 21.6





#34
2-Butanone
Concen: 0.276 ppbv m
RT: 4.809 min Scan# 686
Delta R.T. 0.023 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

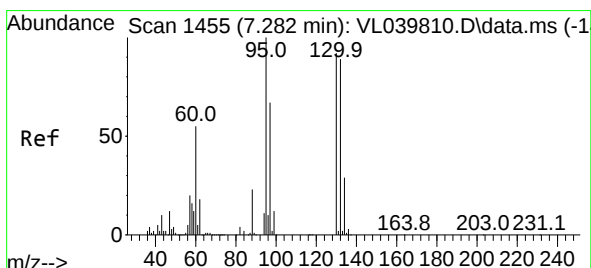
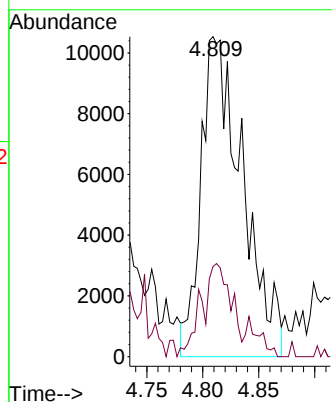
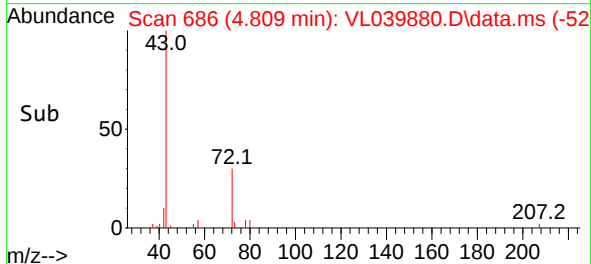
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#

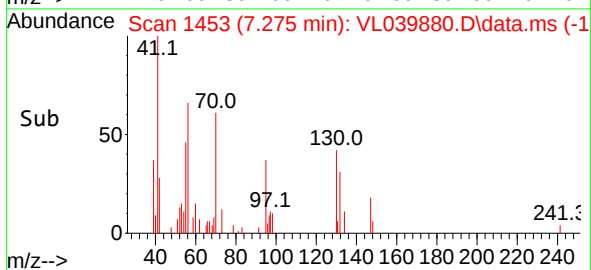
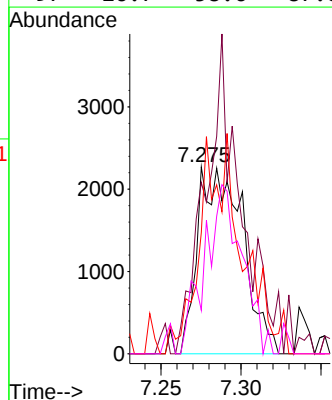
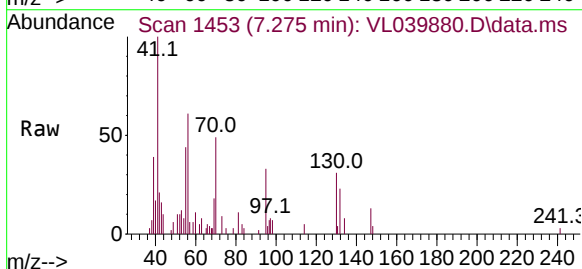
Manual Integrations
APPROVED

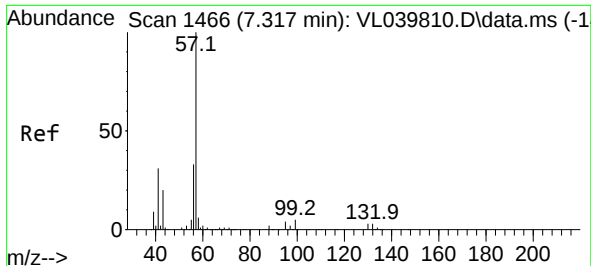
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#38
Trichloroethene
Concen: 0.041 ppbv m
RT: 7.275 min Scan# 1453
Delta R.T. -0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Tgt Ion:130 Resp: 4411
Ion Ratio Lower Upper
130 100
95 104.6 87.4 131.2
132 74.2 77.7 116.5#
97 26.7 58.6 87.8#





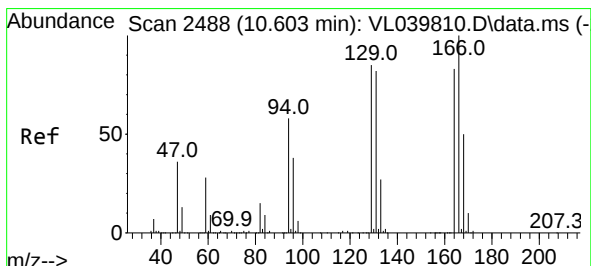
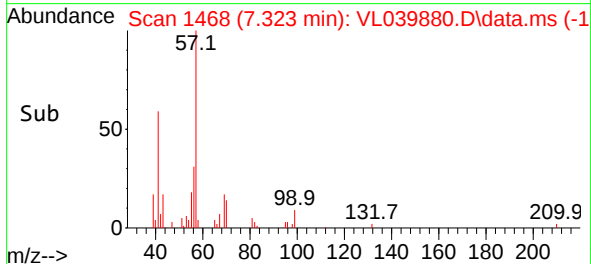
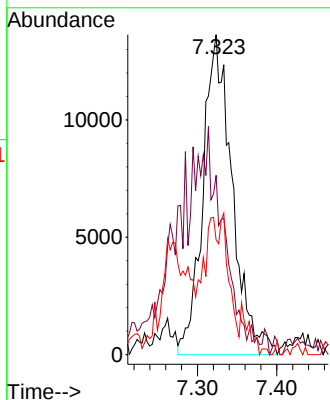
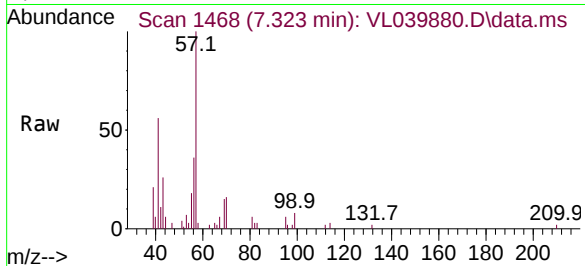
#44
2,2,4-Trimethylpentane
Concen: 0.103 ppbv m
RT: 7.323 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 57 Resp: 3498
Ion Ratio Lower Upper
57 100
41 116.3 24.6 36.8
56 0.0 25.4 38.0

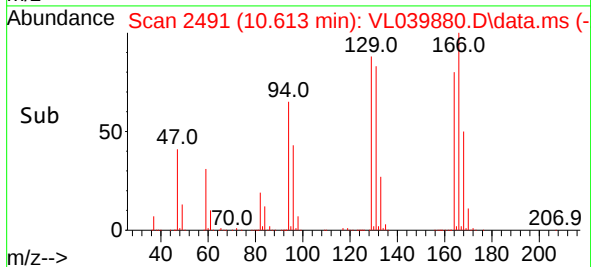
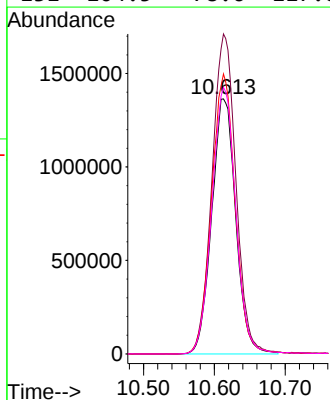
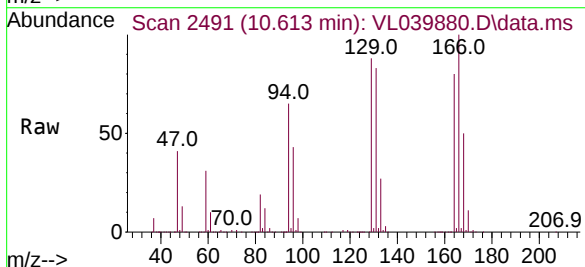
Manual Integrations
APPROVED

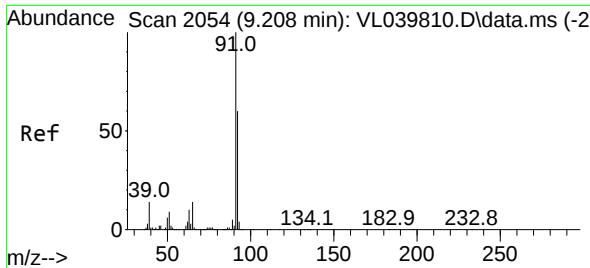
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#52
Tetrachloroethene
Concen: 42.590 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Tgt Ion:164 Resp: 3198585
Ion Ratio Lower Upper
164 100
166 125.5 96.0 144.0
129 109.8 81.4 122.2
131 104.5 78.6 117.8





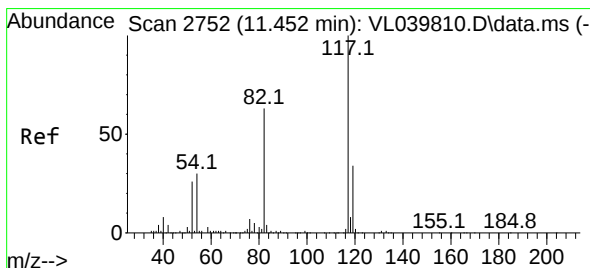
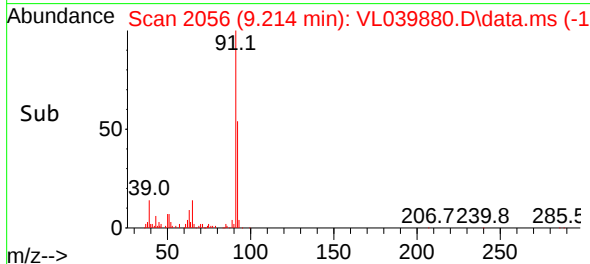
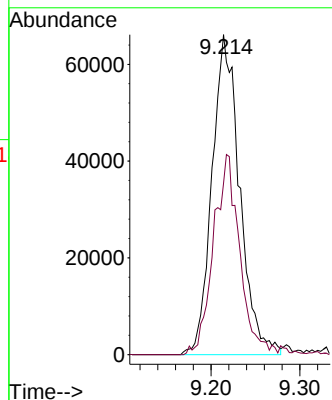
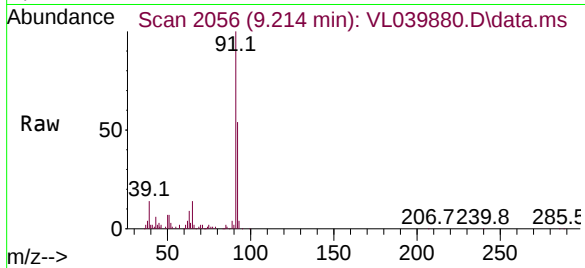
#53
Toluene
Concen: 0.621 ppbv m
RT: 9.214 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 142739
Ion Ratio Lower Upper
91 100
92 59.2 49.6 74.4

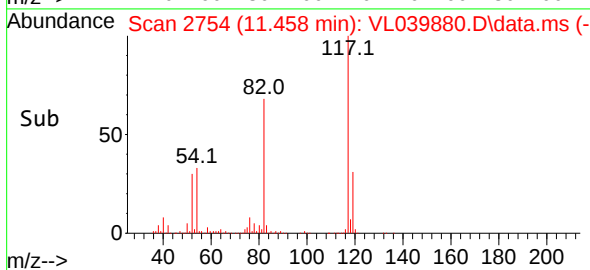
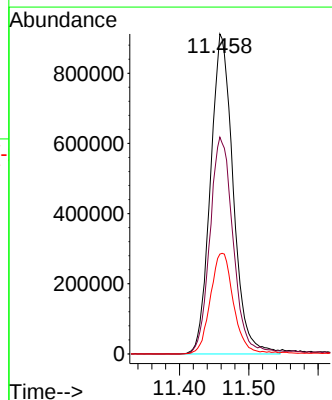
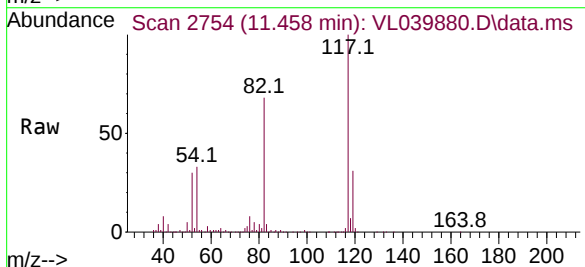
Manual Integrations
APPROVED

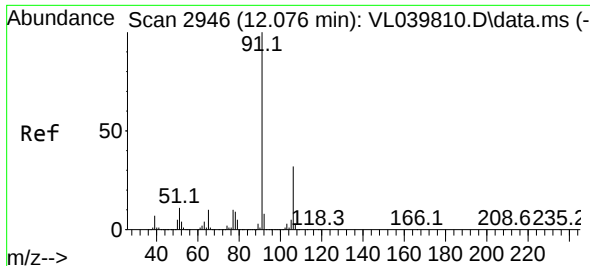
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Tgt Ion:117 Resp: 2075624
Ion Ratio Lower Upper
117 100
82 70.3 51.0 76.6
119 32.6 24.7 37.1





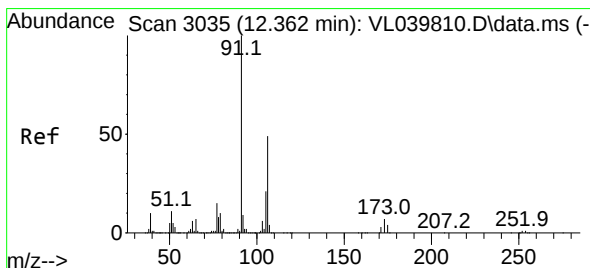
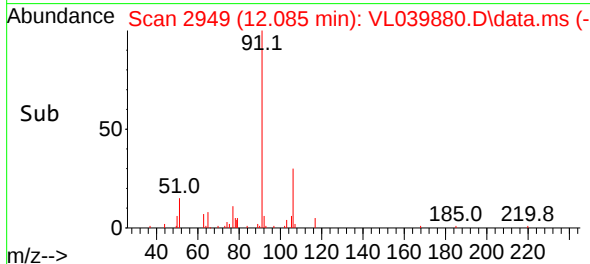
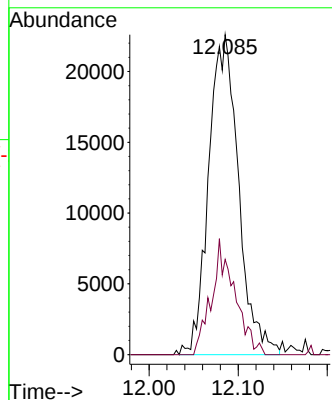
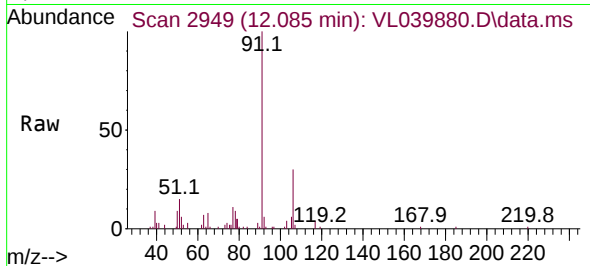
#58
Ethyl Benzene
Concen: 0.187 ppbv m
RT: 12.085 min Scan# 2946
Delta R.T. 0.010 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 5256
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9

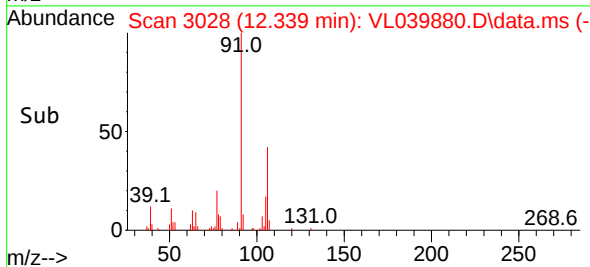
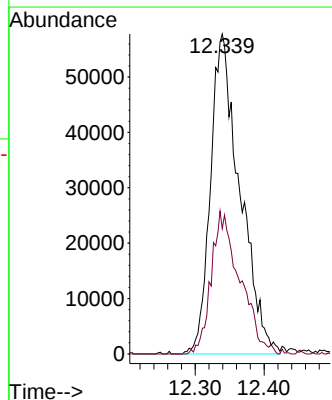
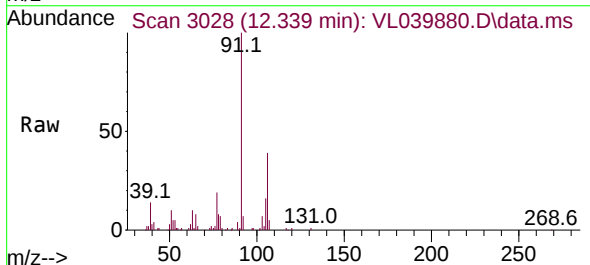
Manual Integrations
APPROVED

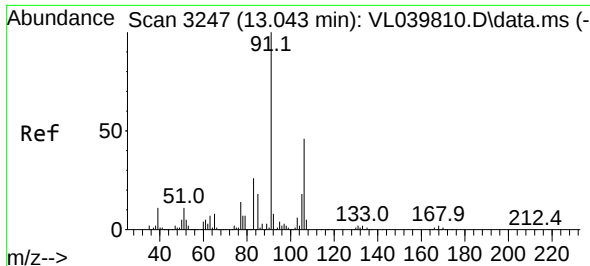
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#59
m/p-Xylene
Concen: 0.729 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.022 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

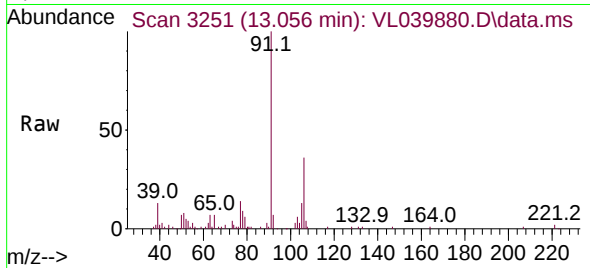
Tgt Ion: 91 Resp: 170813
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#





#60
o-Xylene
Concen: 0.412 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

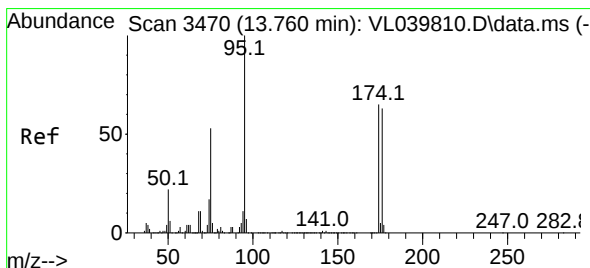
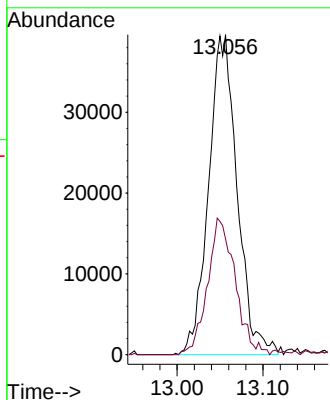
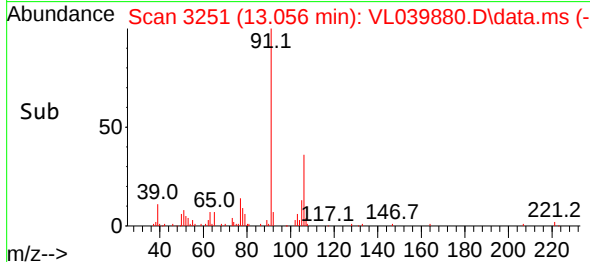
Instrument :
MSVOA_L
ClientSampleId :
SV2



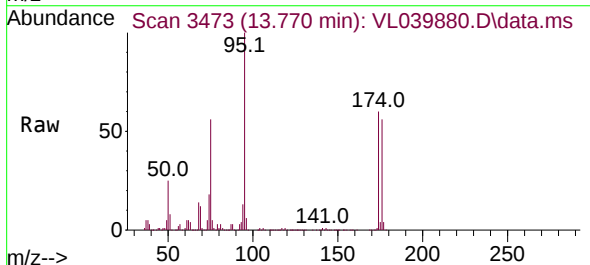
Tgt Ion: 91 Resp: 91444
Ion Ratio Lower Upper
91 100
106 41.8 23.6 70.8

Manual Integrations
APPROVED

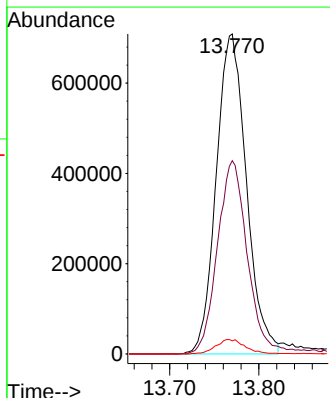
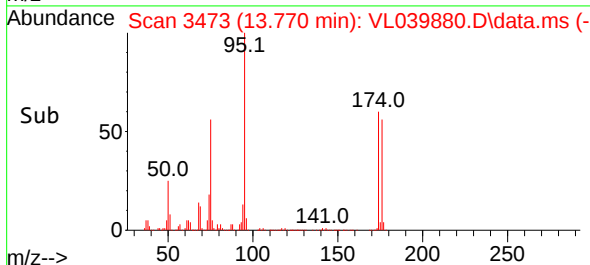
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022

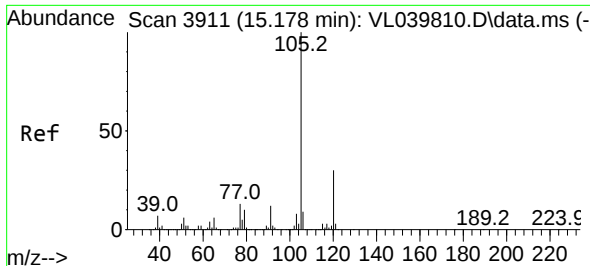


#68
1-Bromo-4-Fluorobenzene
Concen: 10.721 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.010 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47



Tgt Ion: 95 Resp: 1665587
Ion Ratio Lower Upper
95 100
174 62.6 53.4 80.0
175 4.5 4.1 6.1





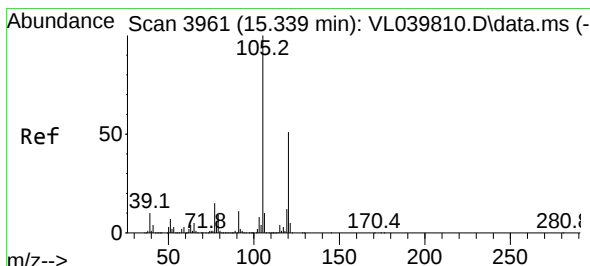
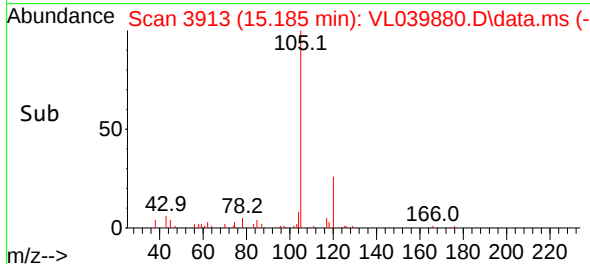
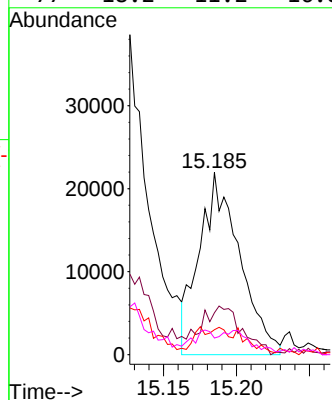
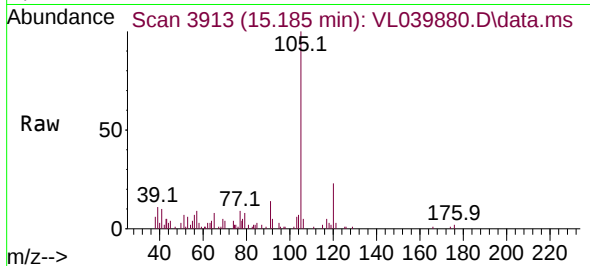
#72
4-Ethyltoluene
Concen: 0.169 ppbv m
RT: 15.185 min Scan# 3911
Delta R.T. 0.006 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105 Resp: 42145
Ion Ratio Lower Upper
105 100
120 0.0 26.0 39.0#
91 18.3 10.5 15.7#
77 18.2 11.2 16.8#

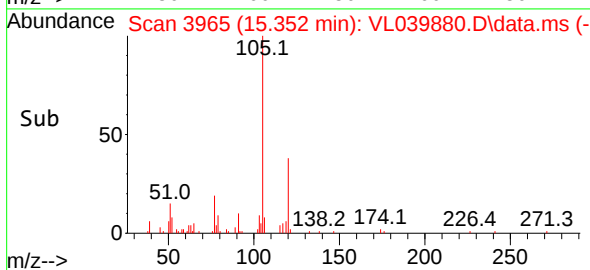
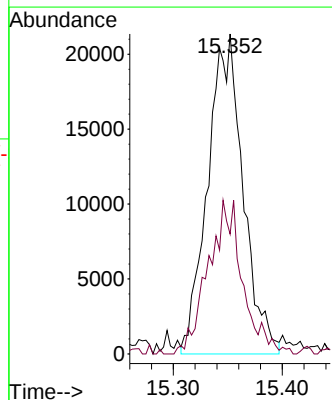
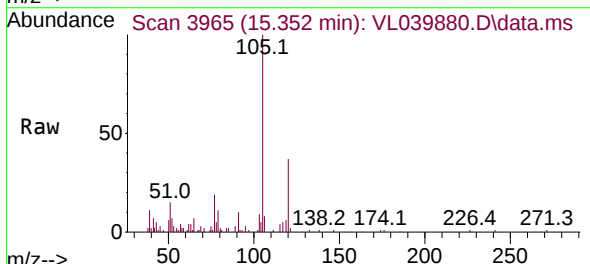
Manual Integrations
APPROVED

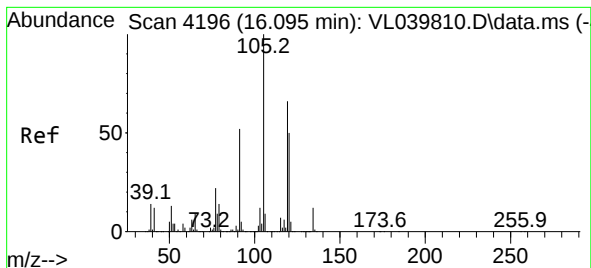
Reviewed By :Semsettin Yesilyurt 11/11/2022
Supervised By :Mahesh Dadoda 11/11/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.216 ppbv m
RT: 15.352 min Scan# 3965
Delta R.T. 0.013 min
Lab File: VL039880.D
Acq: 11 Nov 2022 1:47

Tgt Ion:105 Resp: 47945
Ion Ratio Lower Upper
105 100
120 37.4 41.0 61.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.812 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL039880.D

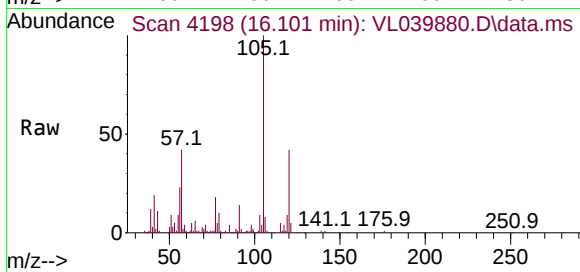
Acq: 11 Nov 2022 1:47

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tgt Ion:105 Resp: 191223

Ion Ratio Lower Upper

105 100

120 41.6 40.2 60.4

91 14.0 42.6 64.0

77 17.1 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2022

Supervised By :Mahesh Dadoda 11/11/2022

