

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039981.D
 Acq On : 12 Dec 2022 18:27
 Operator : SY/MD
 Sample : N5971-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 06:12:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug :
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1103712	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2868111	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2631422	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2137650	10.636	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.706	85	48755	0.308	ppbv	97
3) Chlorodifluoromethane	2.652	51	73311	0.481	ppbv	98
4) Chloromethane	2.790	50	68252	0.701	ppbv	96
9) Propene	2.677	41	111835	1.559	ppbv	87
11) Trichlorofluoromethane	3.539	101	48989	0.254	ppbv #	83
13) Ethanol	3.211	45	3351495	611.880	ppbv	99
15) Acetone	3.446	43	1211001	8.272	ppbv	98
20) Methylene Chloride	3.912	84	243288	3.430	ppbv	93
26) Hexane	5.192	57	196419	1.673	ppbv #	42
29) Chloroform	5.247	83	20623m	0.132	ppbv	
35) Carbon Tetrachloride	6.475	117	13933m	0.086	ppbv	
36) Benzene	6.343	78	64703m	0.265	ppbv	
52) Tetrachloroethene	10.610	164	2855m	0.031	ppbv	
53) Toluene	9.208	91	210734	0.759	ppbv	97
59) m/p-Xylene	12.320	91	62896m	0.211	ppbv	

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

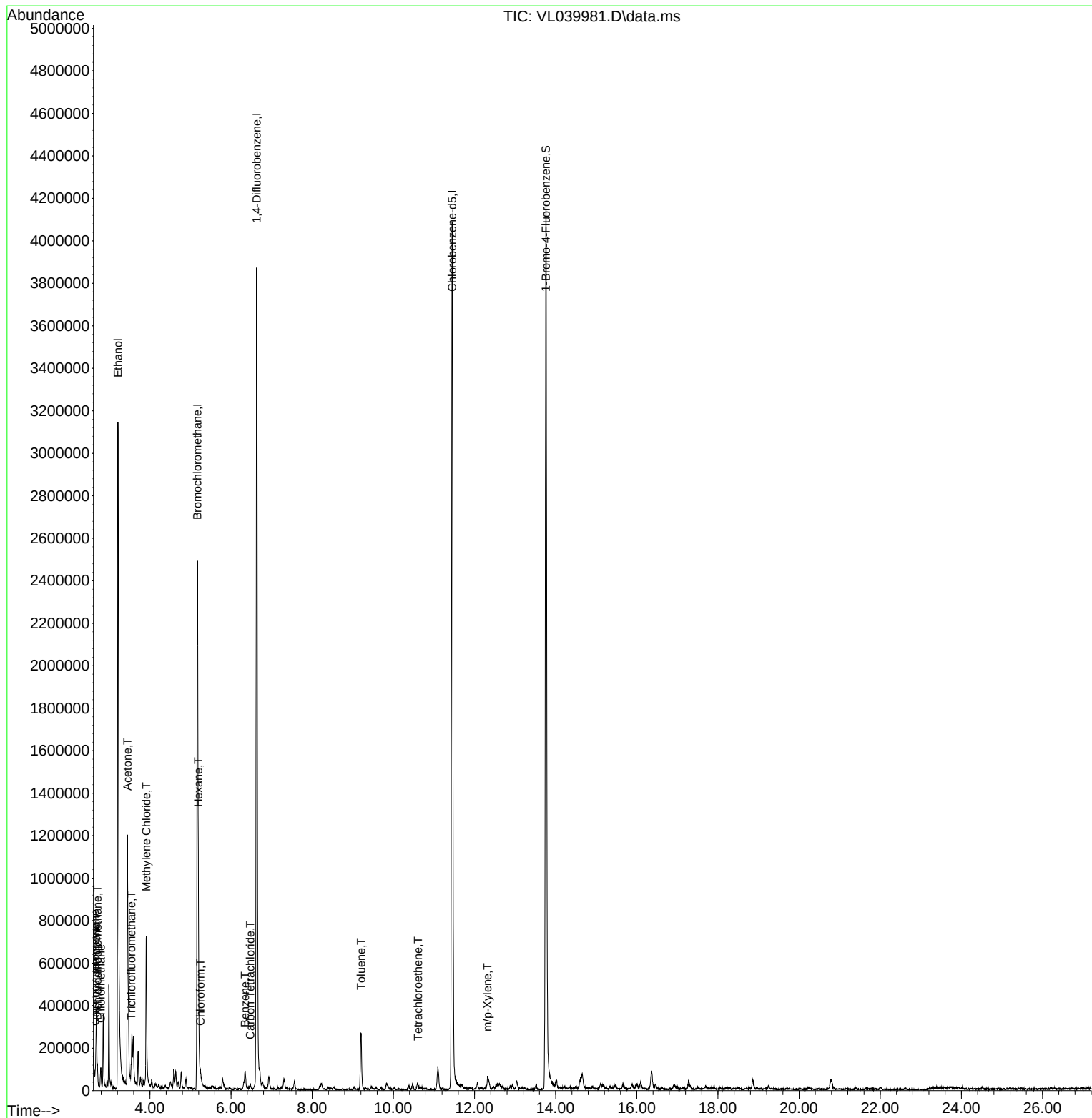
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039981.D
Acq On : 12 Dec 2022 18:27
Operator : SY/MD
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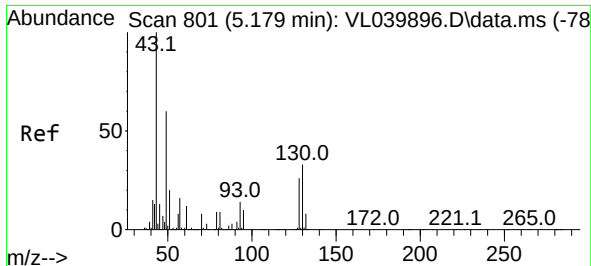
Instrument :
MSVOA_L
ClientSampleId :
IA-4

Quant Time: Dec 13 06:12:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
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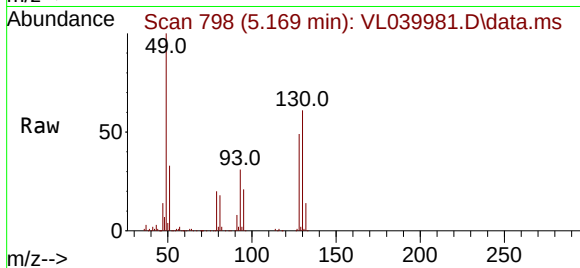
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

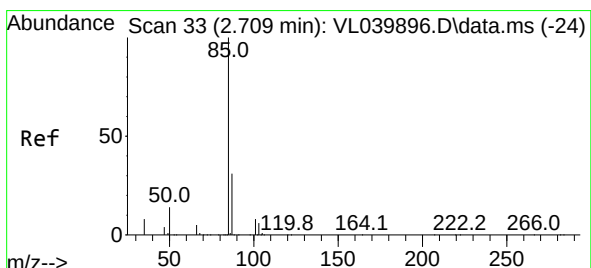
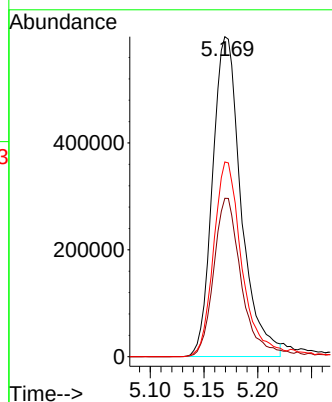
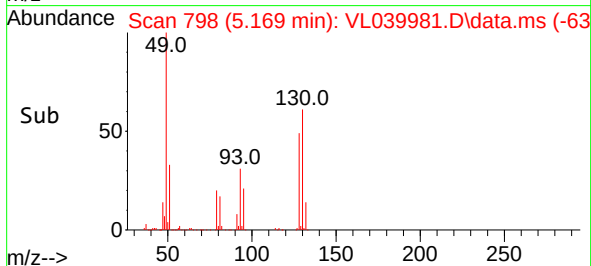
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion: 49 Resp: 110371
Ion Ratio Lower Upper
49 100
128 48.8 22.1 66.3
130 62.8 27.7 83.1

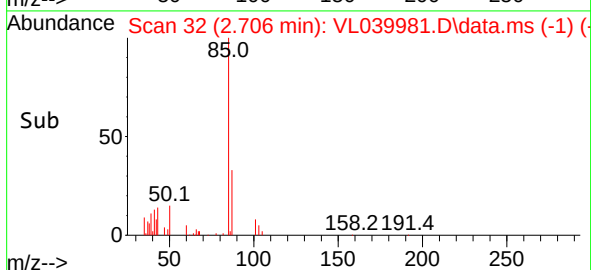
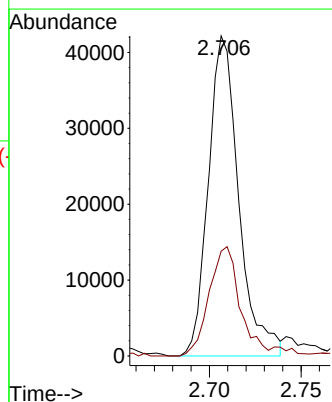
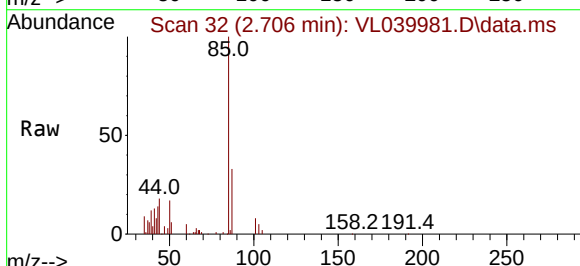
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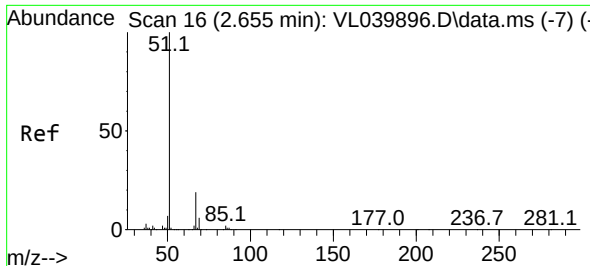
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.308 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

Tgt Ion: 85 Resp: 48755
Ion Ratio Lower Upper
85 100
87 32.8 25.0 37.4





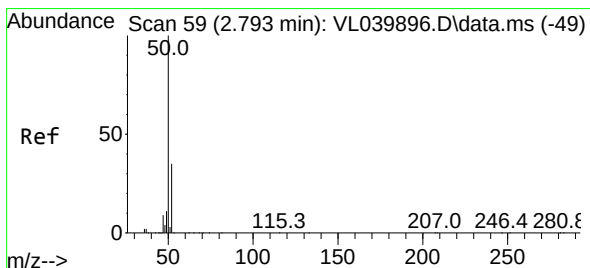
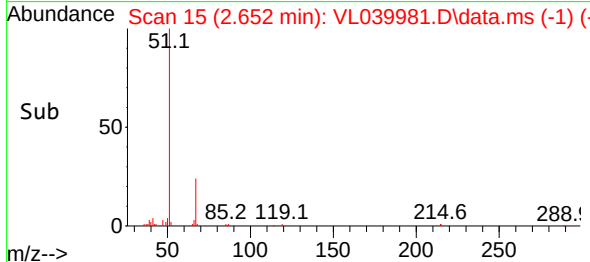
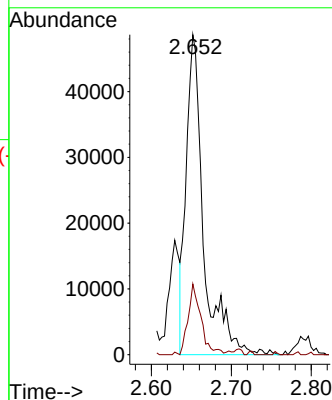
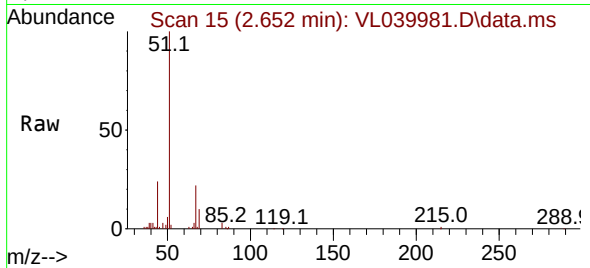
#3
Chlorodifluoromethane
Concen: 0.481 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 51 Resp: 7331
Ion Ratio Lower Upper
51 100
67 16.9 14.2 21.4

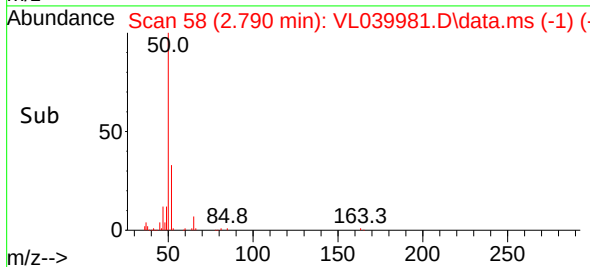
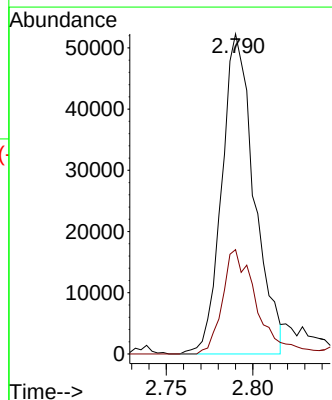
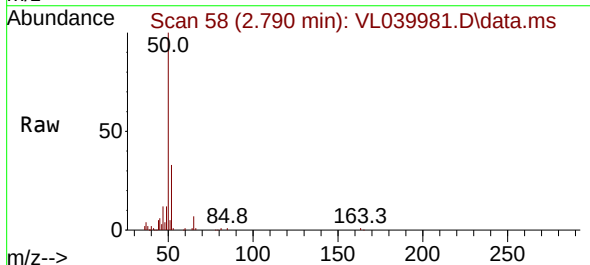
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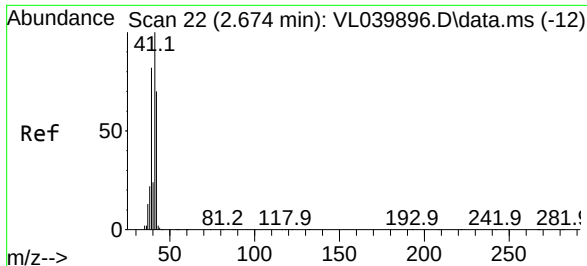
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 0.701 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

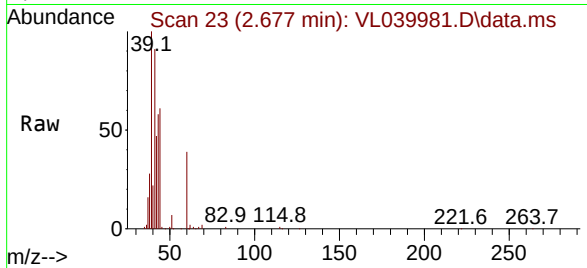
Tgt Ion: 50 Resp: 68252
Ion Ratio Lower Upper
50 100
52 32.6 27.8 41.8





#9
 Propene
 Concen: 1.559 ppbv
 RT: 2.677 min Scan# 211
 Delta R.T. 0.016 min
 Lab File: VL039981.D
 Acq: 12 Dec 2022 18:27

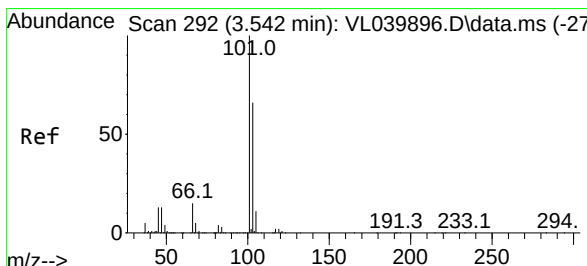
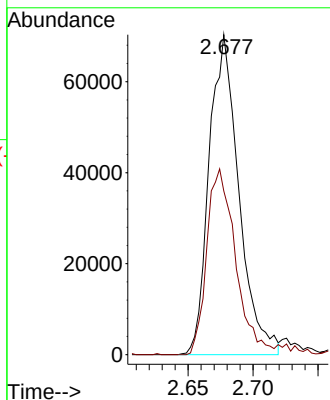
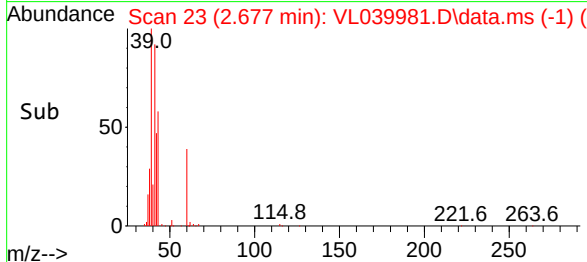
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4



Tgt Ion: 41 Resp: 111835
 Ion Ratio Lower Upper
 41 100
 42 58.8 55.8 83.6

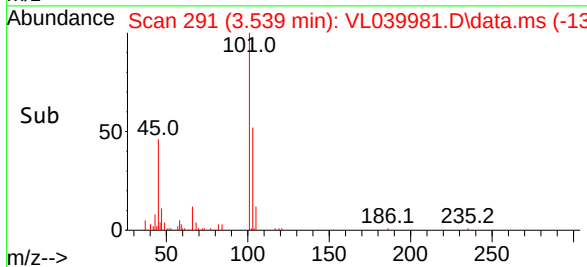
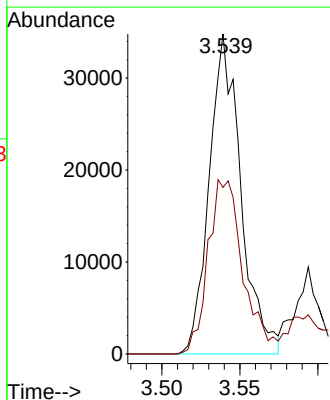
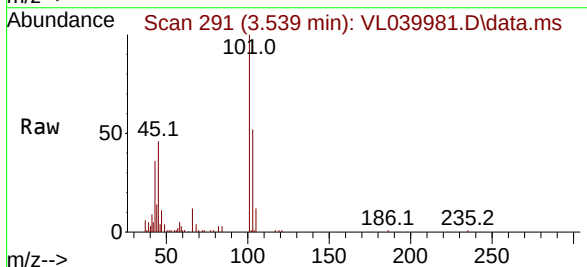
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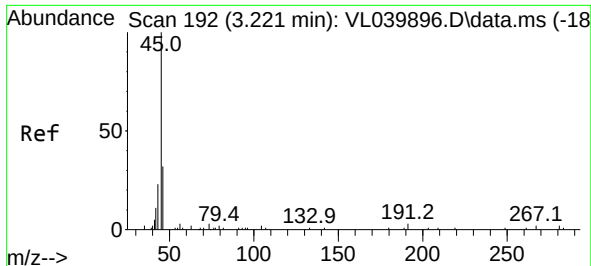
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022



#11
 Trichlorofluoromethane
 Concen: 0.254 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039981.D
 Acq: 12 Dec 2022 18:27

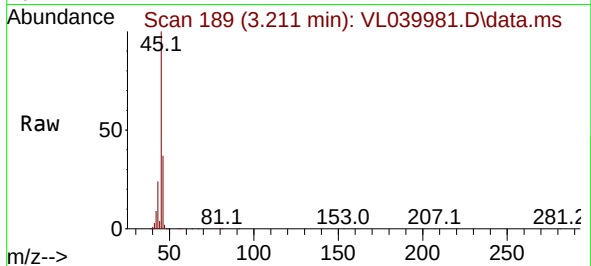
Tgt Ion:101 Resp: 48989
 Ion Ratio Lower Upper
 101 100
 103 52.1 52.6 78.8





#13
Ethanol
Concen: 611.880 ppbv
RT: 3.211 min Scan# 192
Delta R.T. -0.003 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

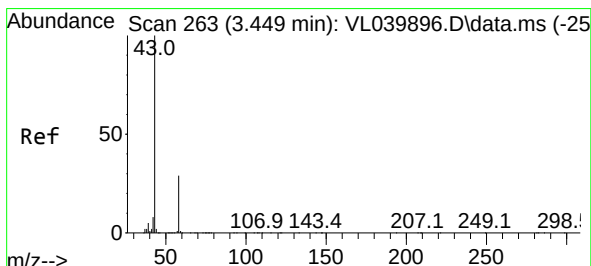
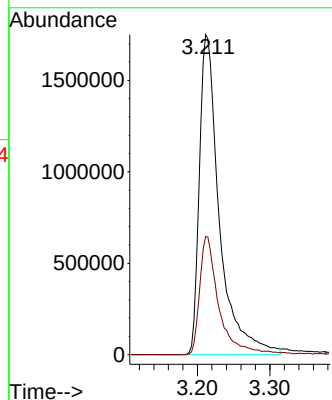
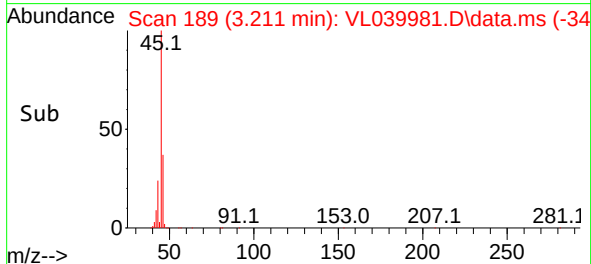
Instrument :
MSVOA_L
ClientSampleId :
IA-4



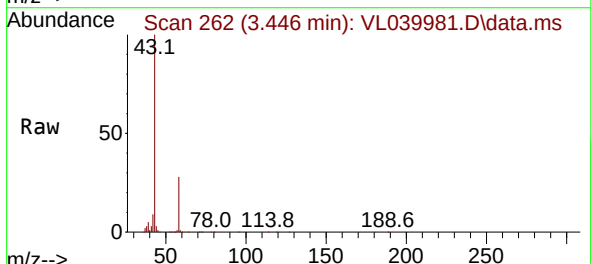
Tgt Ion: 45 Resp: 335149
Ion Ratio Lower Upper
45 100
46 36.0 14.6 58.2

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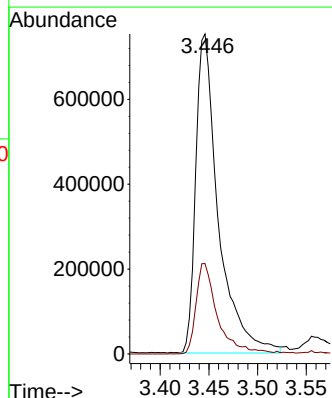
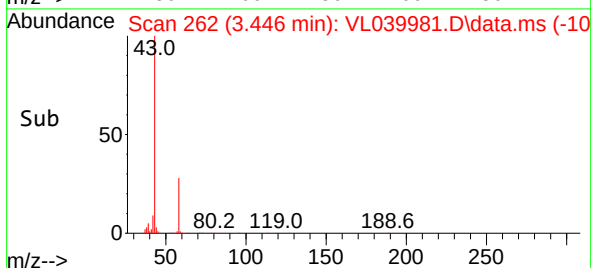
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

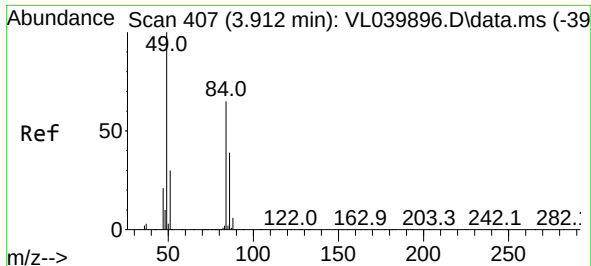


#15
Acetone
Concen: 8.272 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.013 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27



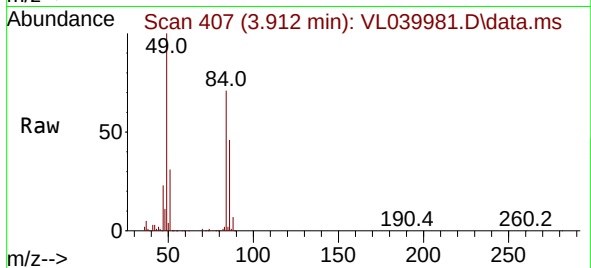
Tgt Ion: 43 Resp: 1211001
Ion Ratio Lower Upper
43 100
58 27.3 22.9 34.3





#20
Methylene Chloride
Concen: 3.430 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

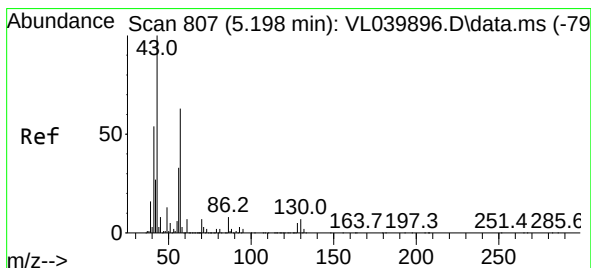
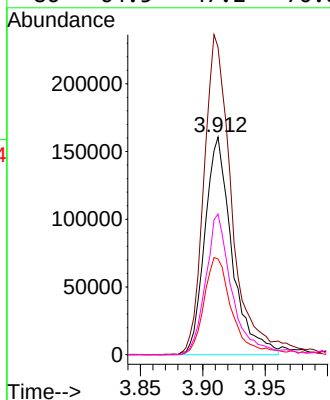
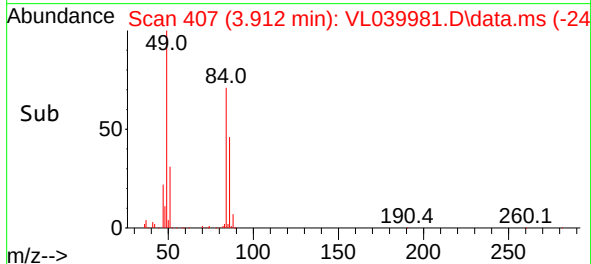
Instrument :
MSVOA_L
ClientSampleId :
IA-4



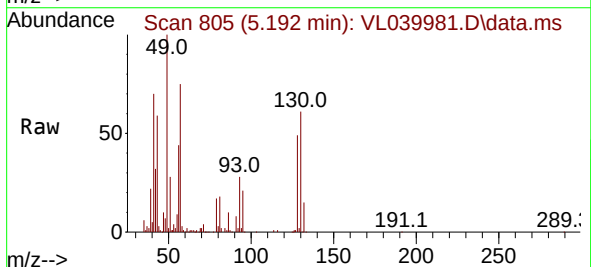
Tgt Ion: 84 Resp: 24328
Ion Ratio Lower Upper
84 100
49 141.1 122.2 183.4
51 43.8 36.3 54.5
86 64.5 47.2 70.8

Manual Integrations
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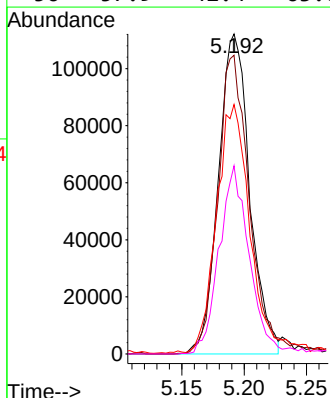
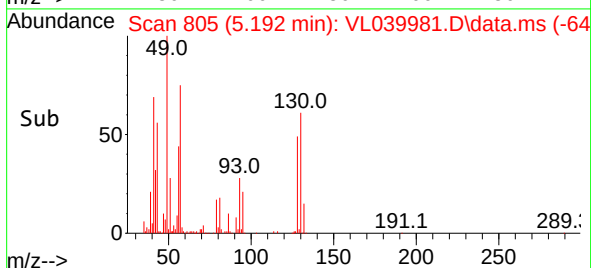
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

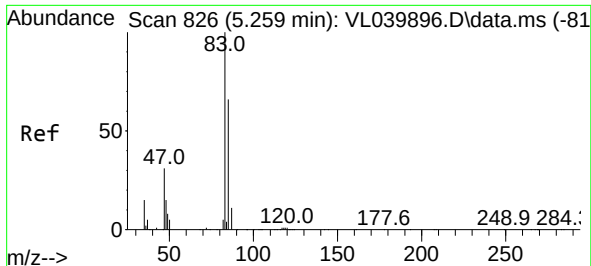


#26
Hexane
Concen: 1.673 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27



Tgt Ion: 57 Resp: 196419
Ion Ratio Lower Upper
57 100
41 97.1 72.3 108.5
43 85.8 188.7 283.1#
56 57.9 42.4 63.6





#29

Chloroform

Concen: 0.132 ppbv m

RT: 5.247 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL039981.D

Acq: 12 Dec 2022 18:27

Instrument :

MSVOA_L

ClientSampleId :

IA-4

Tgt Ion: 83 Resp: 2062

Ion Ratio Lower Upper

83 100

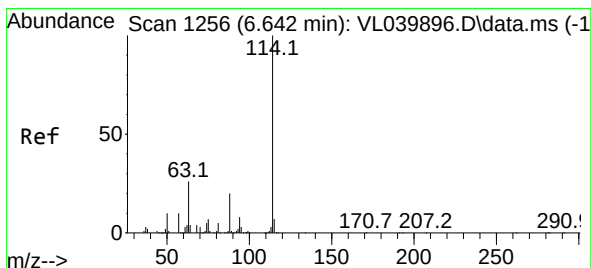
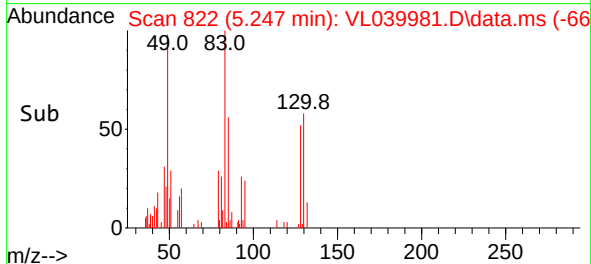
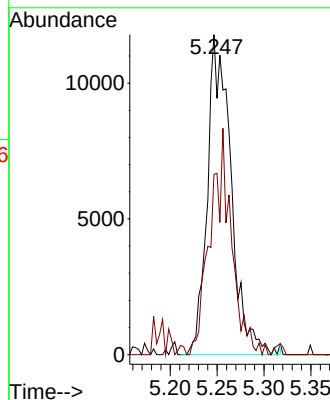
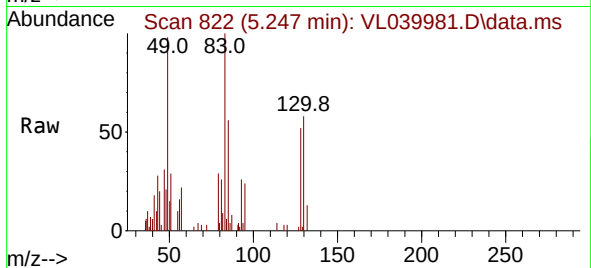
85 56.4 52.4 78.6

Manual Integrations

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Supervised By :Mahesh Dadoda 12/14/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.013 min

Lab File: VL039981.D

Acq: 12 Dec 2022 18:27

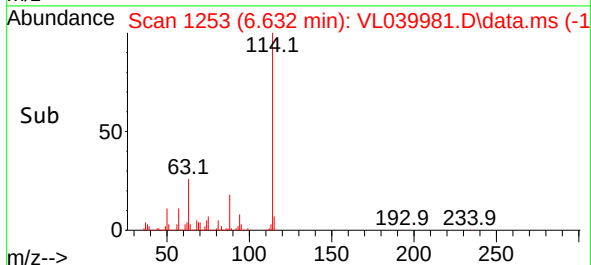
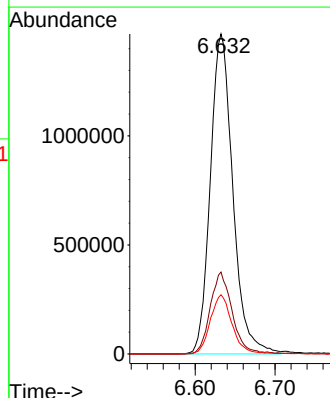
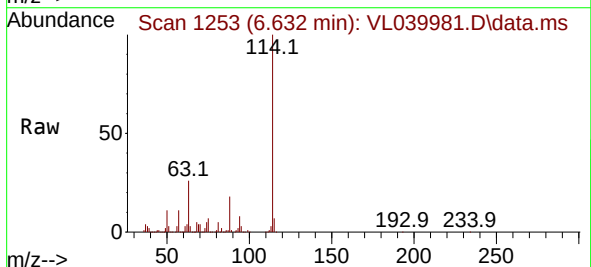
Tgt Ion:114 Resp: 2868111

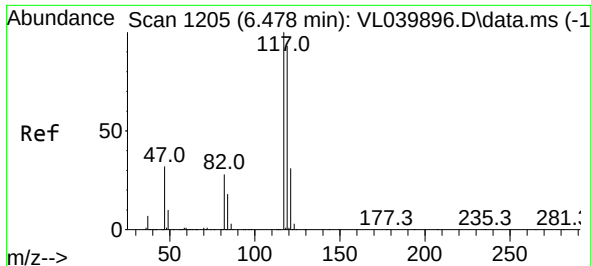
Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

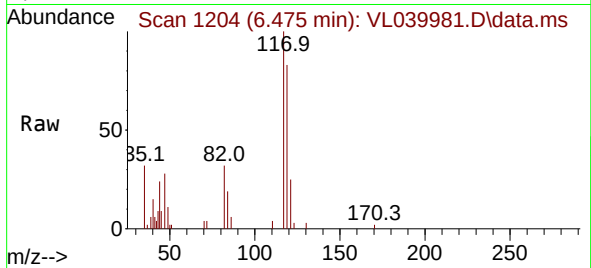
88 18.0 15.3 22.9





#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 6.475 min Scan# 1163
Delta R.T. 0.019 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

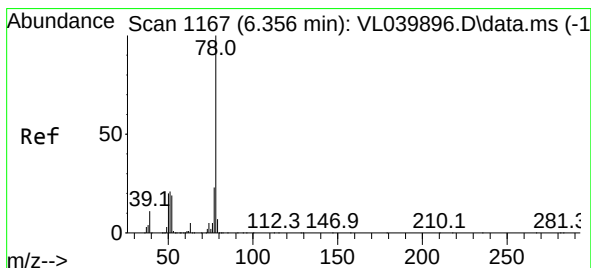
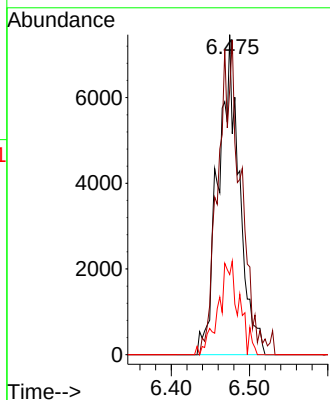
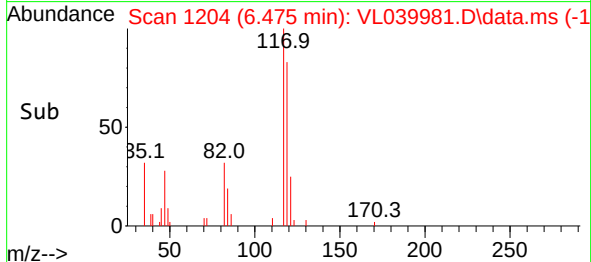
Instrument :
MSVOA_L
ClientSampleId :
IA-4



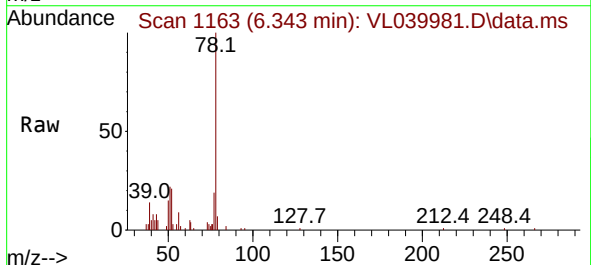
Tgt Ion:117 Resp: 1393
Ion Ratio Lower Upper
117 100
119 83.0 74.7 112.1
121 25.1 24.5 36.7

Manual Integrations
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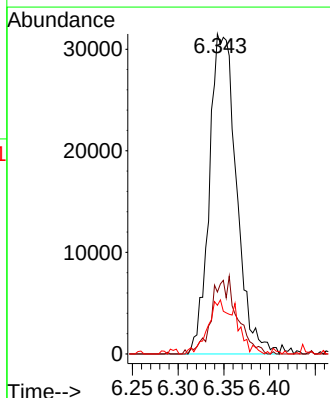
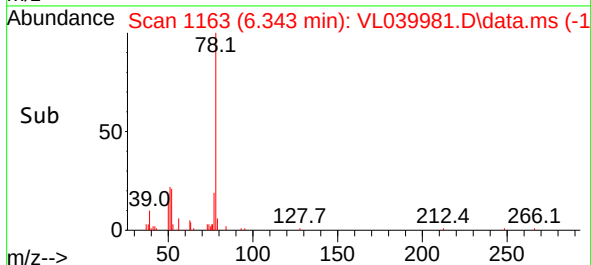
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

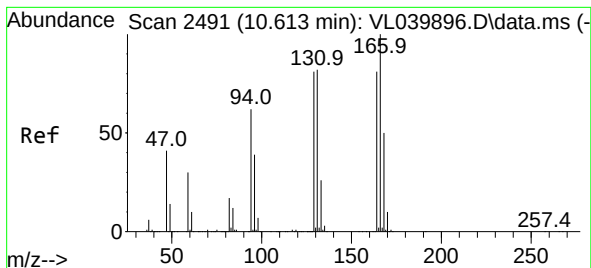


#36
Benzene
Concen: 0.265 ppbv m
RT: 6.343 min Scan# 1163
Delta R.T. 0.010 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27



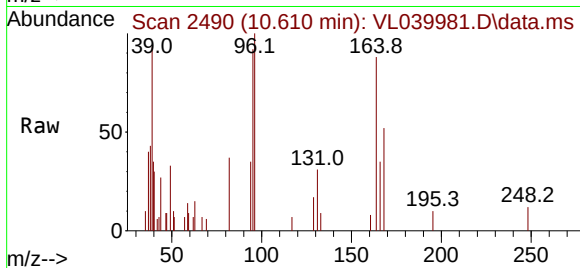
Tgt Ion: 78 Resp: 64703
Ion Ratio Lower Upper
78 100
77 19.3 18.2 27.2
50 15.2 15.8 23.8#





#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 10.610 min Scan# 2491
Delta R.T. 0.029 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

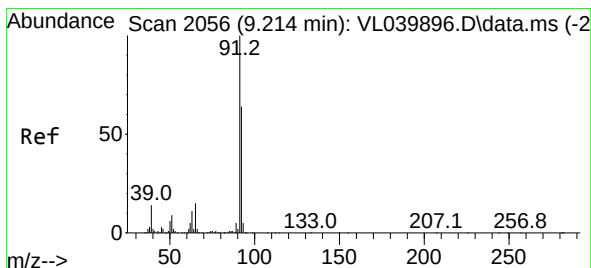
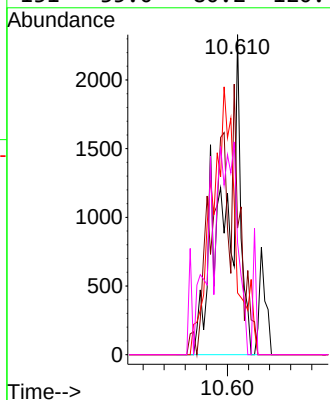
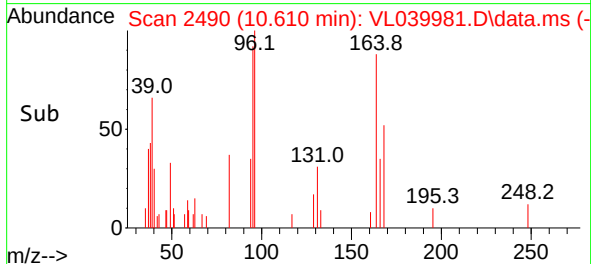
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion:164 Resp: 285
Ion Ratio Lower Upper
164 100
166 39.5 98.3 147.5
129 19.3 79.7 119.5
131 35.0 80.2 120.4

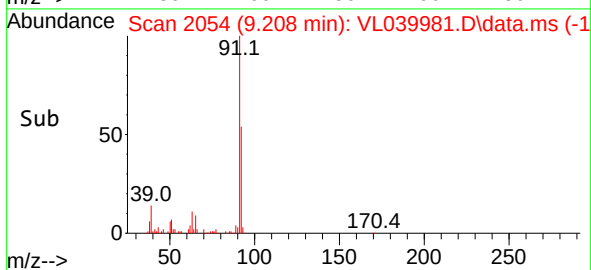
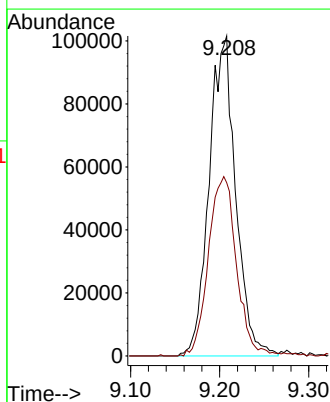
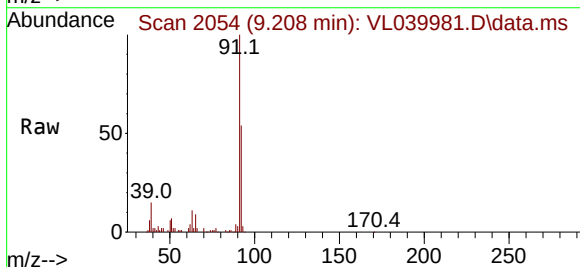
Manual Integrations
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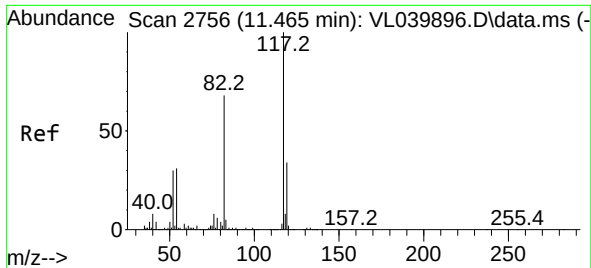
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.759 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.023 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

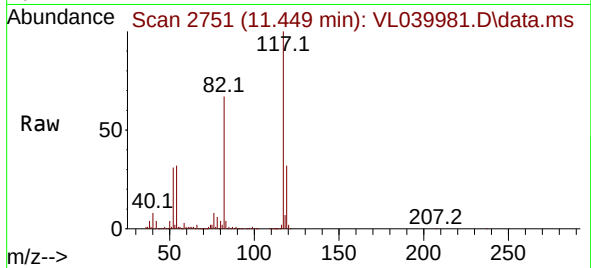
Tgt Ion: 91 Resp: 210734
Ion Ratio Lower Upper
91 100
92 59.6 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

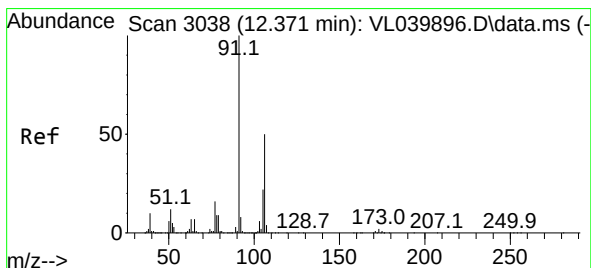
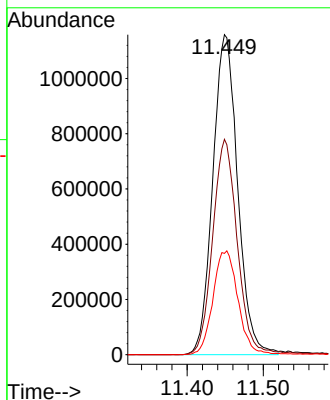
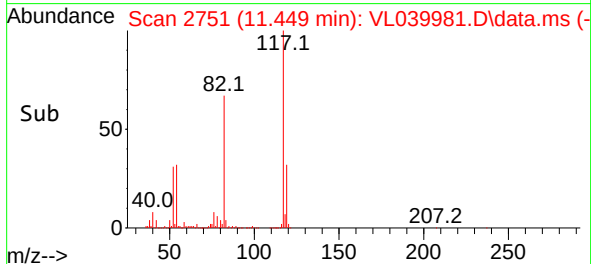
Instrument :
MSVOA_L
ClientSampleId :
IA-4



Tgt Ion:117 Resp: 263142
Ion Ratio Lower Upper
117 100
82 67.3 52.3 78.5
119 32.8 25.7 38.5

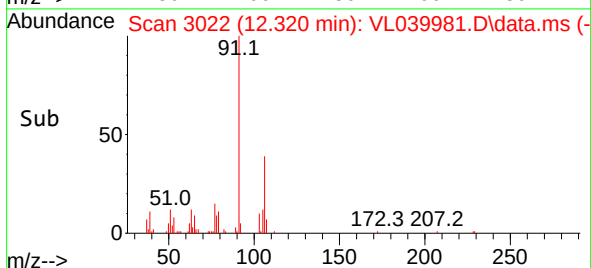
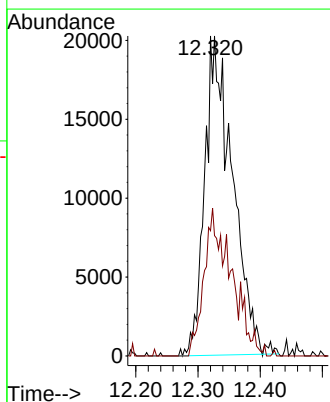
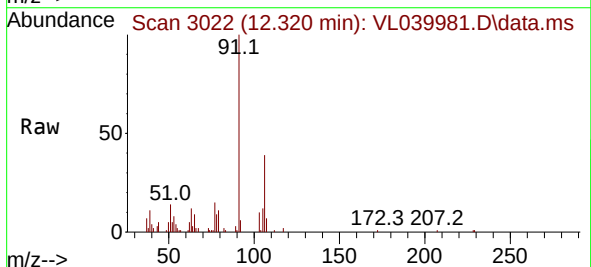
Manual Integrations
APPROVED

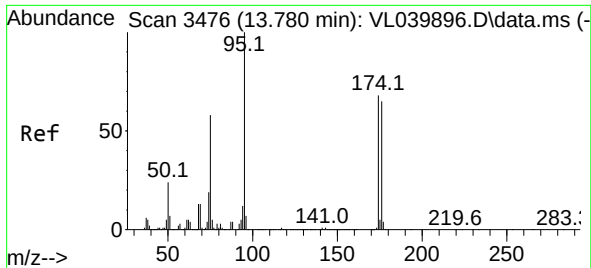
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#59
m/p-Xylene
Concen: 0.211 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.019 min
Lab File: VL039981.D
Acq: 12 Dec 2022 18:27

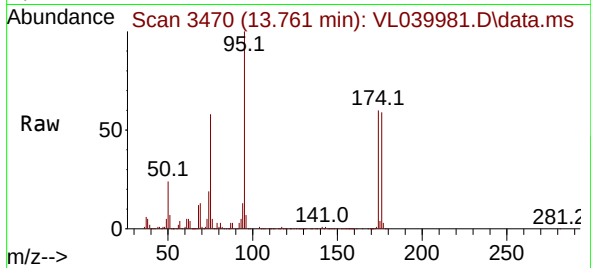
Tgt Ion: 91 Resp: 62896
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.636 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. 0.020 min
 Lab File: VL039981.D
 Acq: 12 Dec 2022 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4



Tgt Ion: 95 Resp: 2137650
 Ion Ratio Lower Upper
 95 100
 174 60.5 53.7 80.5
 175 4.4 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

