

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039989.D
 Acq On : 12 Dec 2022 23:44
 Operator : SY/MD
 Sample : N5971-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 07:11:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.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

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

Internal Standards						
1) Bromochloromethane	5.166	49	1077457	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2760373	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.446	117	2519261	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2068539	10.750	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.706	85	47313	0.307	ppbv	95
3) Chlorodifluoromethane	2.652	51	69106	0.465	ppbv	98
4) Chloromethane	2.790	50	38976	0.410	ppbv	93
9) Propene	2.677	41	121441	1.734	ppbv	88
11) Trichlorofluoromethane	3.539	101	46152	0.245	ppbv	91
13) Ethanol	3.211	45	3269091	611.379	ppbv	100
15) Acetone	3.446	43	826136	5.781	ppbv	97
20) Methylene Chloride	3.909	84	70236	1.014	ppbv	88
26) Hexane	5.192	57	134123	1.170	ppbv #	41
35) Carbon Tetrachloride	6.465	117	12781m	0.082	ppbv	
36) Benzene	6.343	78	51239	0.218	ppbv	94
52) Tetrachloroethene	10.587	164	3350m	0.038	ppbv	
53) Toluene	9.201	91	235542	0.881	ppbv	96
59) m/p-Xylene	12.323	91	52253m	0.183	ppbv	

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

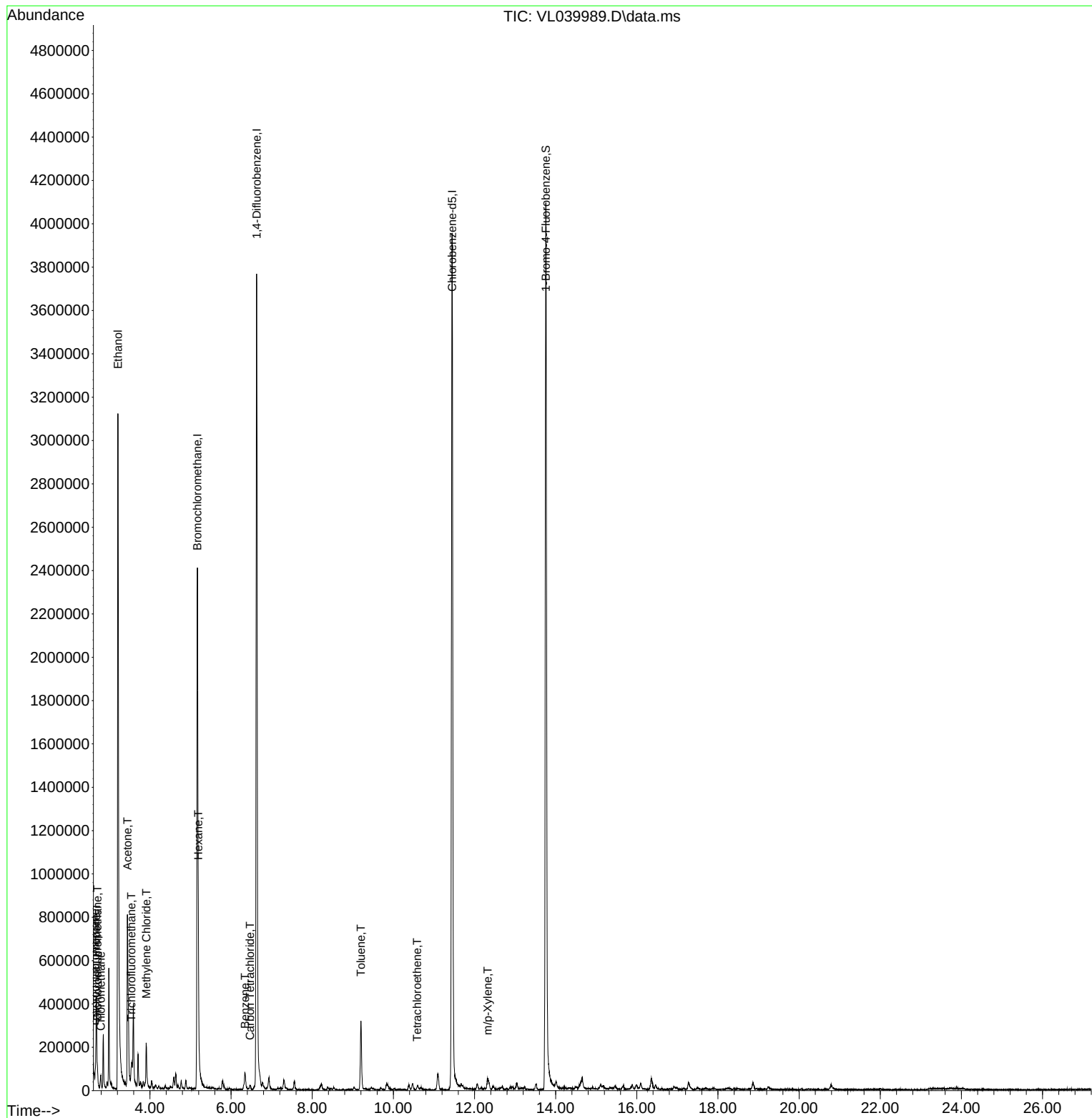
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039989.D
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Operator : SY/MD
Sample : N5971-09
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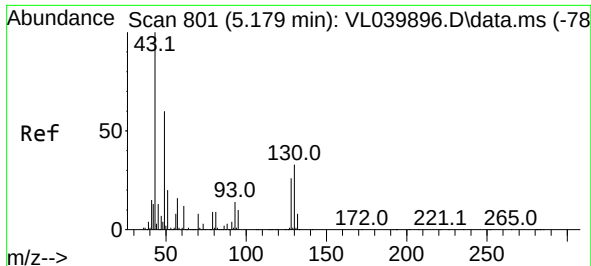
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Dec 13 07:11:17 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
APPROVED

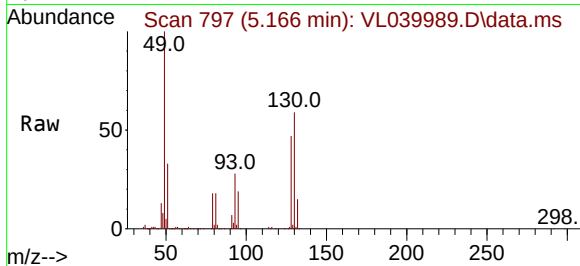
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

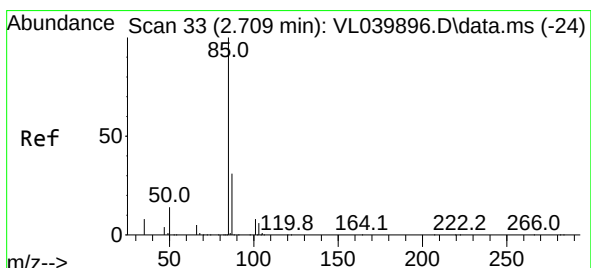
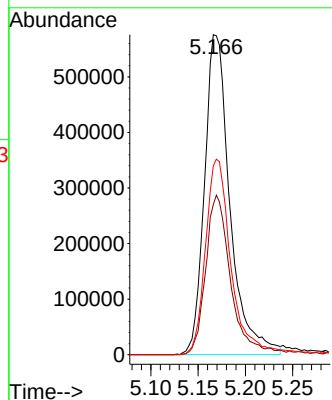
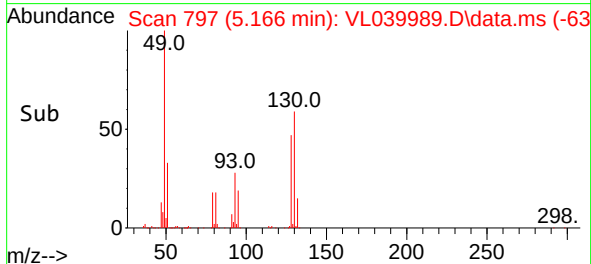
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 107745
Ion Ratio Lower Upper
49 100
128 50.5 22.1 66.3
130 62.5 27.7 83.1

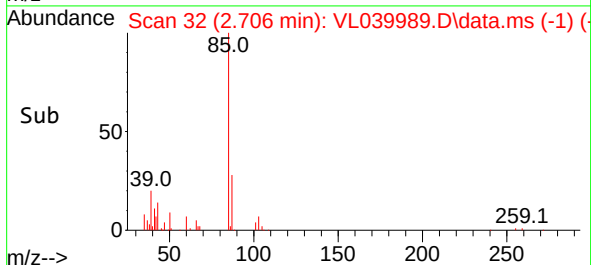
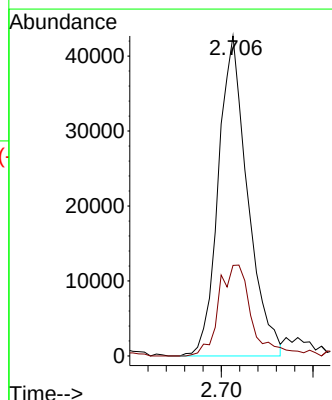
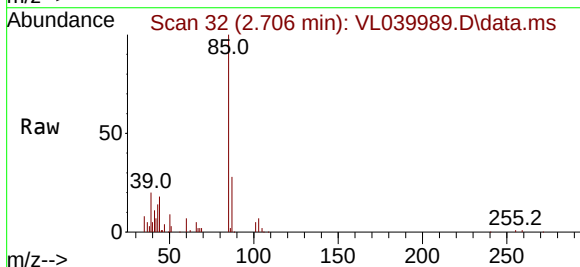
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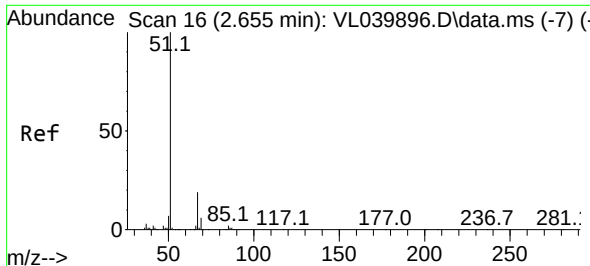
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.307 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Tgt Ion: 85 Resp: 47313
Ion Ratio Lower Upper
85 100
87 28.3 25.0 37.4





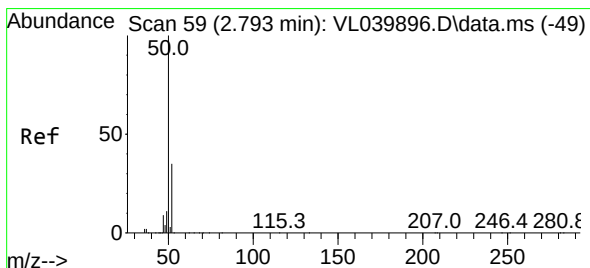
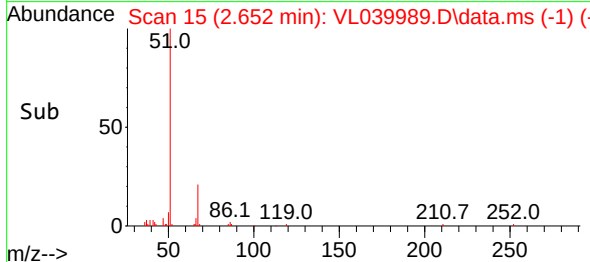
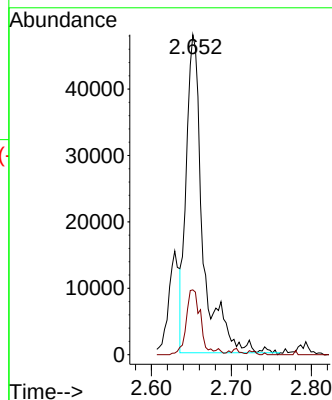
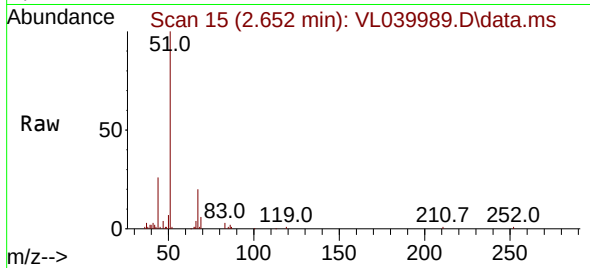
#3
Chlorodifluoromethane
Concen: 0.465 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 69100
Ion Ratio Lower Upper
51 100
67 16.9 14.2 21.4

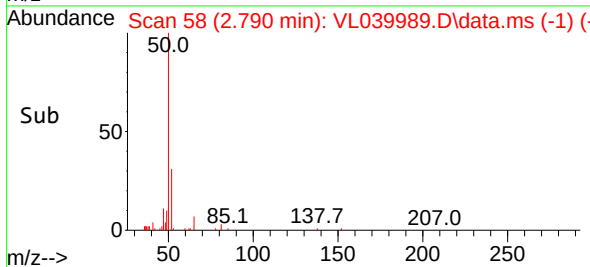
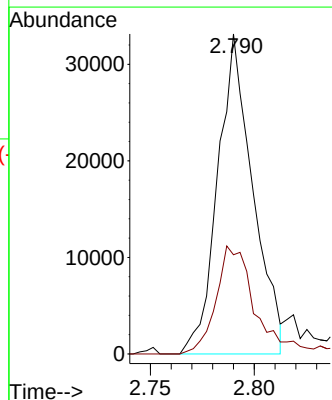
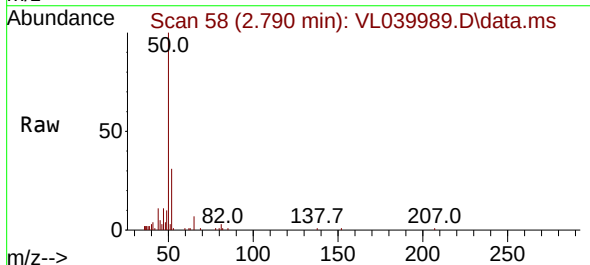
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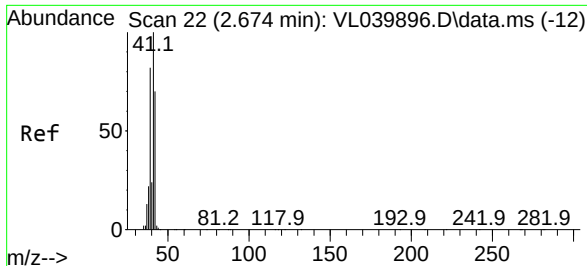
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 0.410 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Tgt Ion: 50 Resp: 38976
Ion Ratio Lower Upper
50 100
52 31.0 27.8 41.8





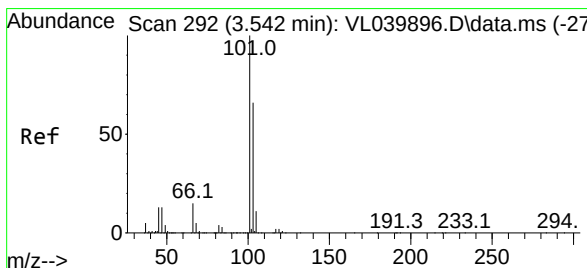
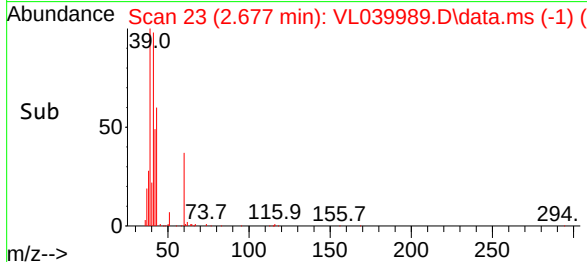
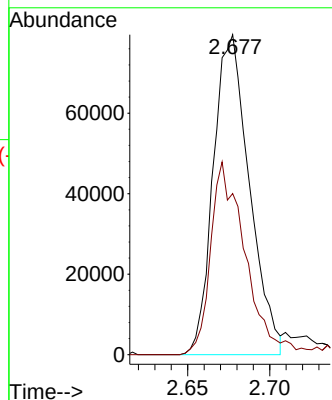
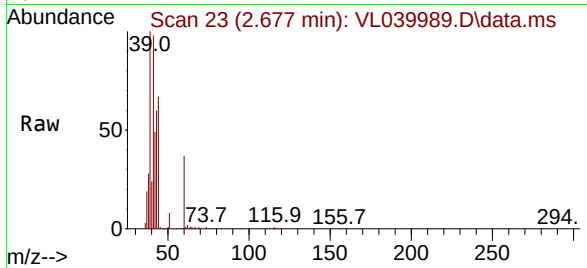
#9
Propene
Concen: 1.734 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 12144
Ion Ratio Lower Upper
41 100
42 59.6 55.8 83.6

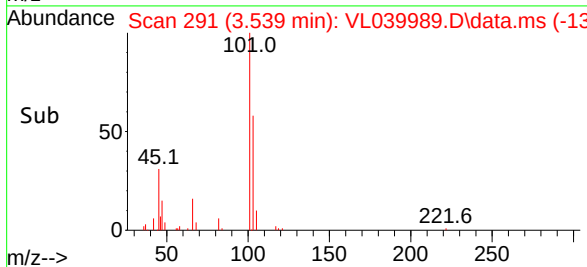
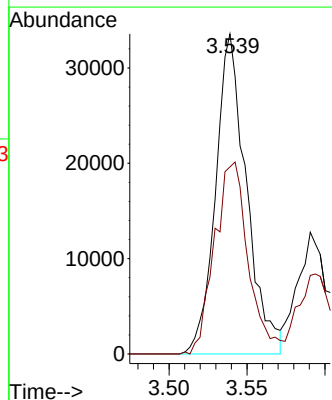
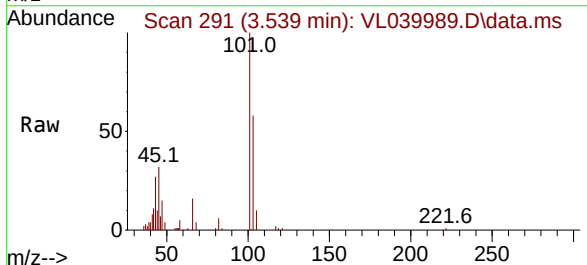
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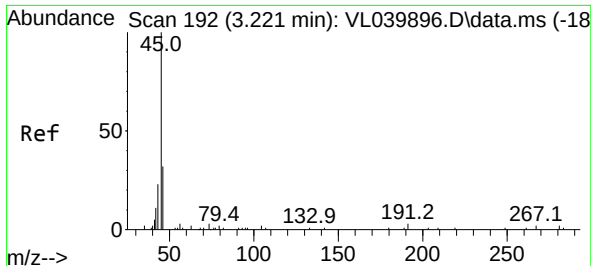
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 3.539 min Scan# 291
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

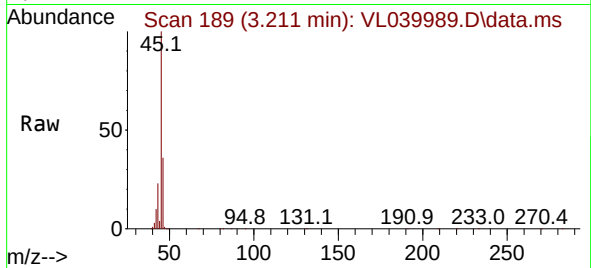
Tgt Ion:101 Resp: 46152
Ion Ratio Lower Upper
101 100
103 58.4 52.6 78.8





#13
Ethanol
Concen: 611.379 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

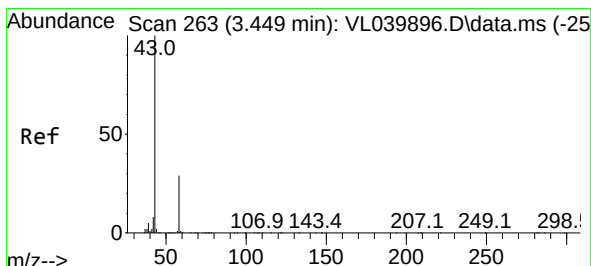
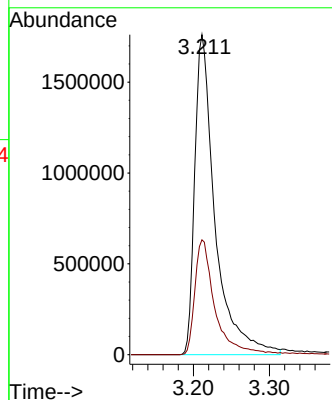
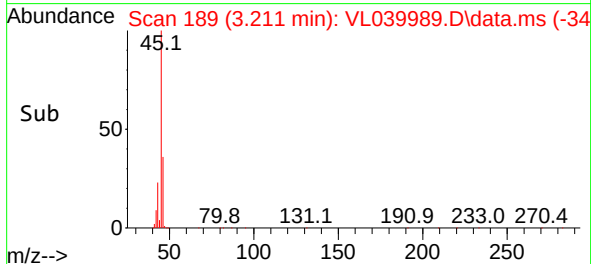
Instrument :
MSVOA_L
ClientSampleId :
IA-1



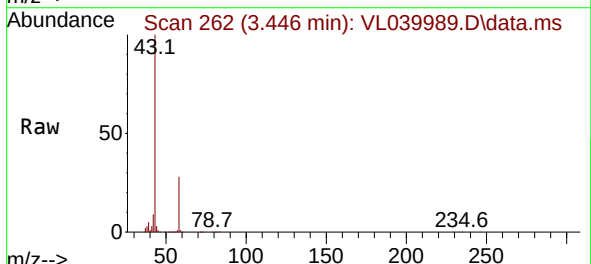
Tgt Ion: 45 Resp: 326909
Ion Ratio Lower Upper
45 100
46 36.4 14.6 58.2

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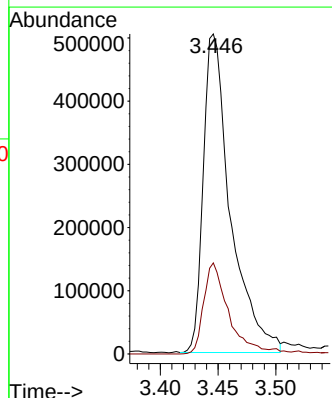
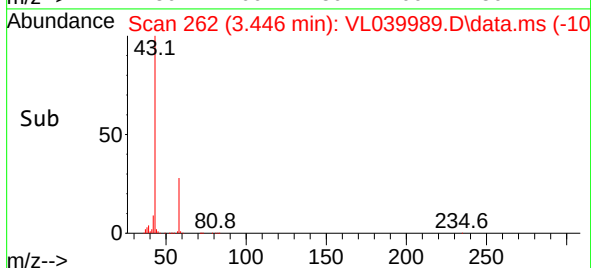
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

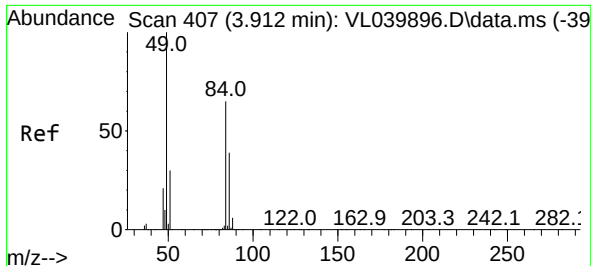


#15
Acetone
Concen: 5.781 ppbv
RT: 3.446 min Scan# 262
Delta R.T. 0.013 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44



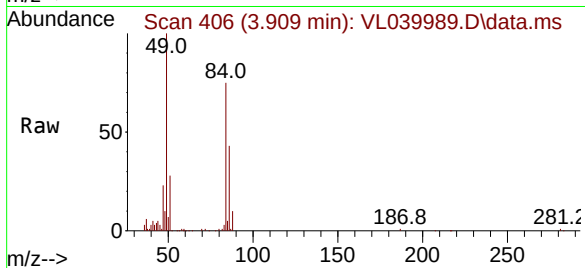
Tgt Ion: 43 Resp: 826136
Ion Ratio Lower Upper
43 100
58 27.1 22.9 34.3





#20
Methylene Chloride
Concen: 1.014 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.013 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

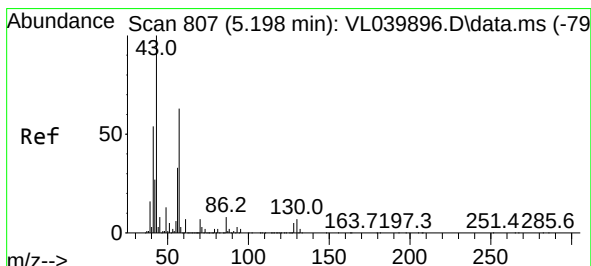
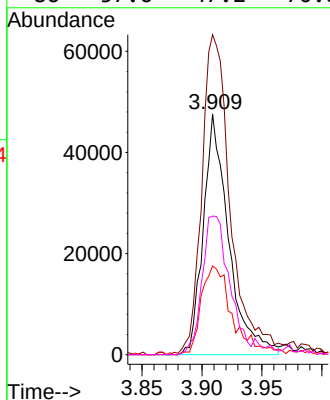
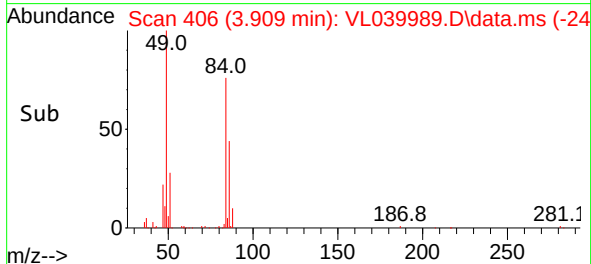
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 84 Resp: 70236
Ion Ratio Lower Upper
84 100
49 132.3 122.2 183.4
51 36.9 36.3 54.5
86 57.6 47.2 70.8

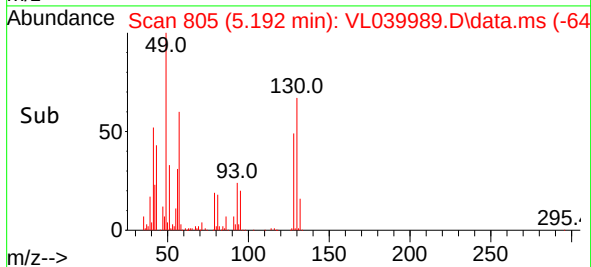
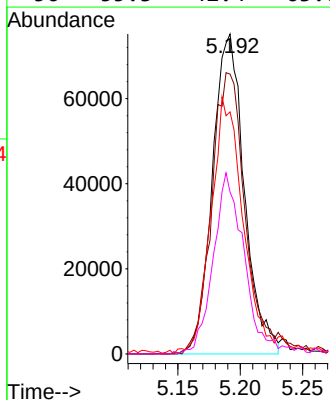
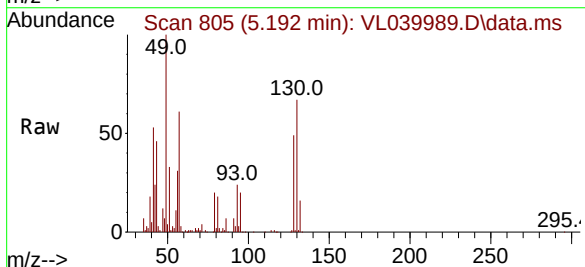
Manual Integrations
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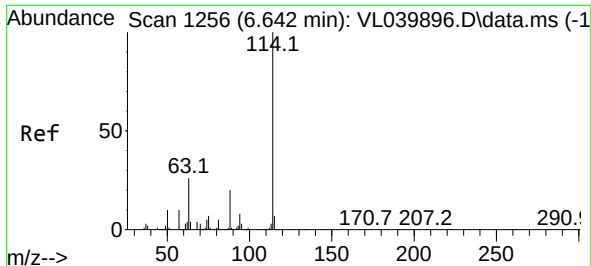
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#26
Hexane
Concen: 1.170 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Tgt Ion: 57 Resp: 134123
Ion Ratio Lower Upper
57 100
41 97.2 72.3 108.5
43 82.8 188.7 283.1#
56 55.3 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.013 min

Lab File: VL039989.D

Acq: 12 Dec 2022 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion:114 Resp: 276037

Ion Ratio Lower Upper

114 100

63 26.4 21.4 32.0

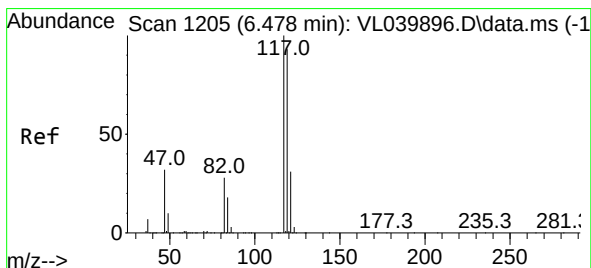
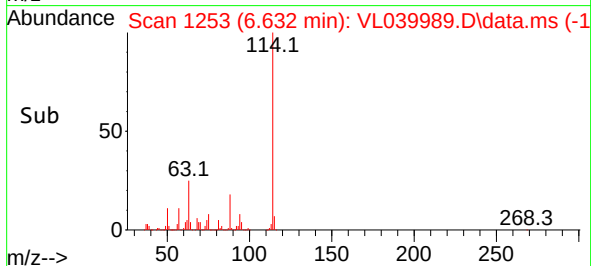
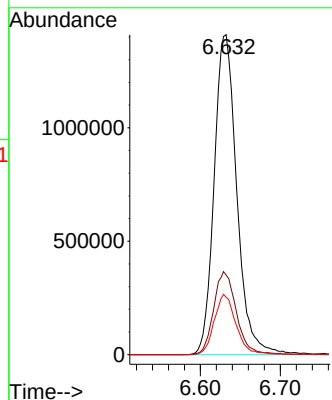
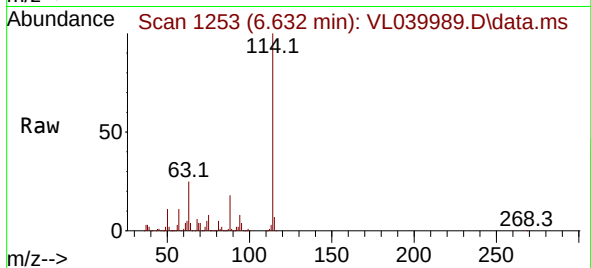
88 18.3 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#35

Carbon Tetrachloride

Concen: 0.082 ppbv m

RT: 6.465 min Scan# 1201

Delta R.T. 0.010 min

Lab File: VL039989.D

Acq: 12 Dec 2022 23:44

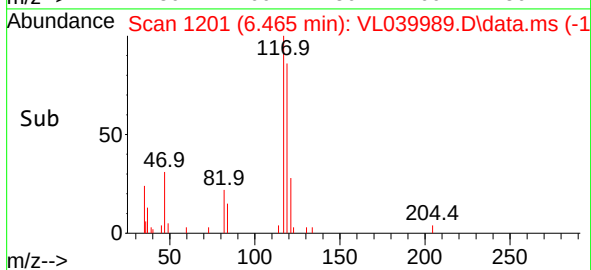
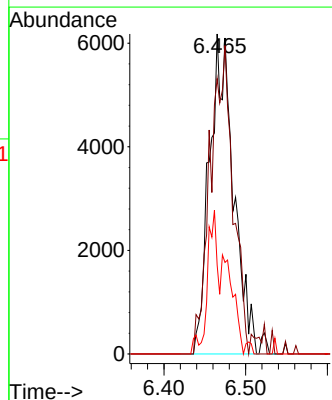
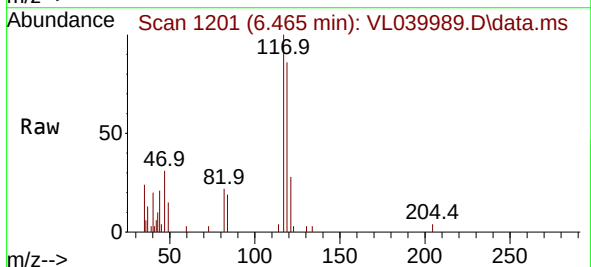
Tgt Ion:117 Resp: 12781

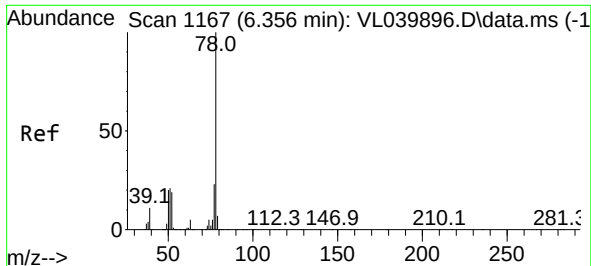
Ion Ratio Lower Upper

117 100

119 86.1 74.7 112.1

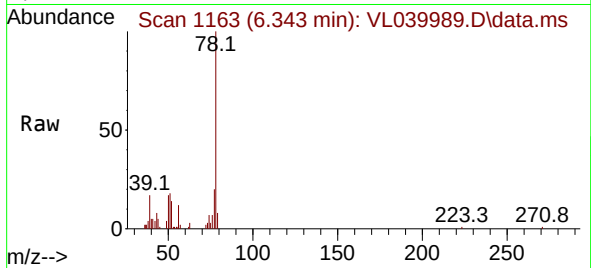
121 27.8 24.5 36.7





#36
Benzene
Concen: 0.218 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. 0.010 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

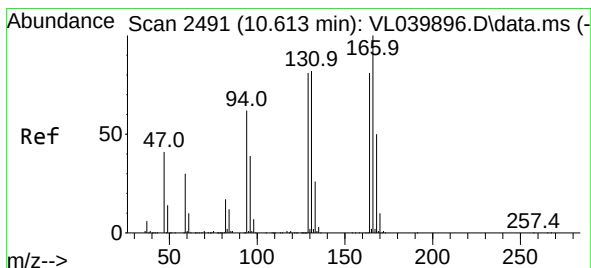
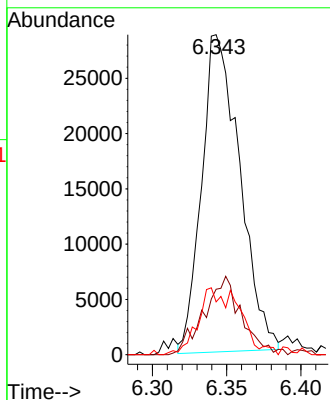
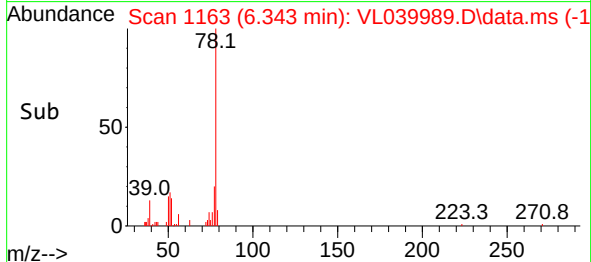
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 78 Resp: 51239
Ion Ratio Lower Upper
78 100
77 19.9 18.2 27.2
50 17.1 15.8 23.8

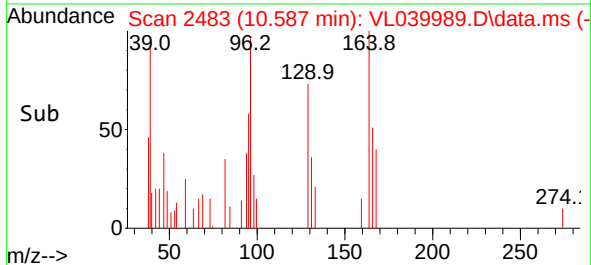
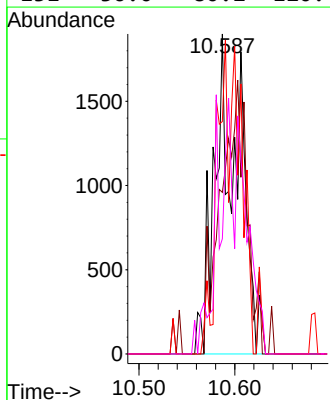
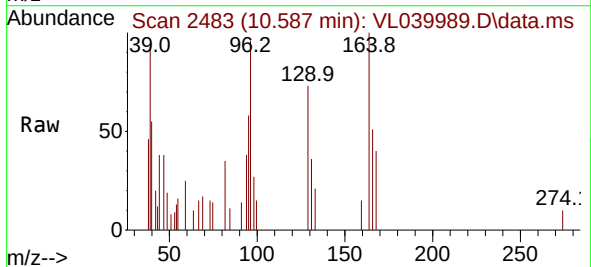
Manual Integrations
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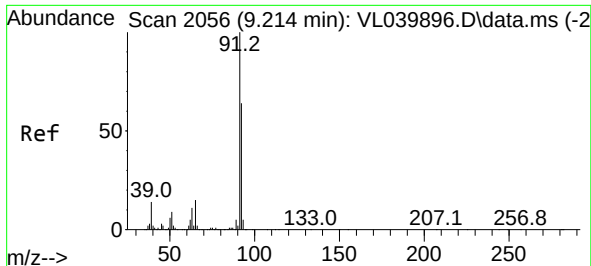
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. 0.007 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

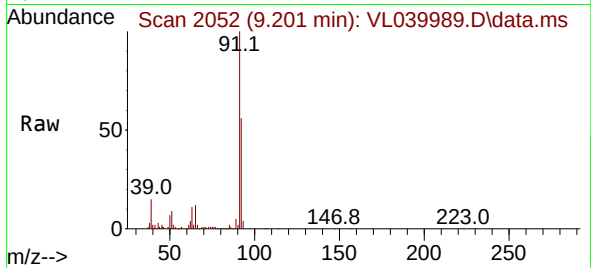
Tgt Ion:164 Resp: 3350
Ion Ratio Lower Upper
164 100
166 50.5 98.3 147.5#
129 72.6 79.7 119.5#
131 36.0 80.2 120.4#





#53
Toluene
Concen: 0.881 ppbv
RT: 9.201 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

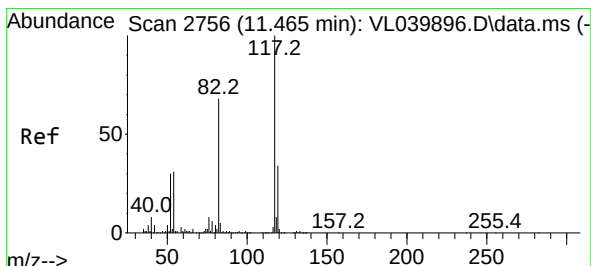
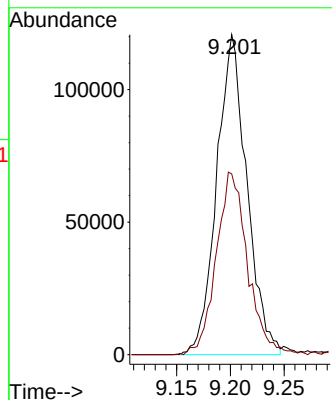
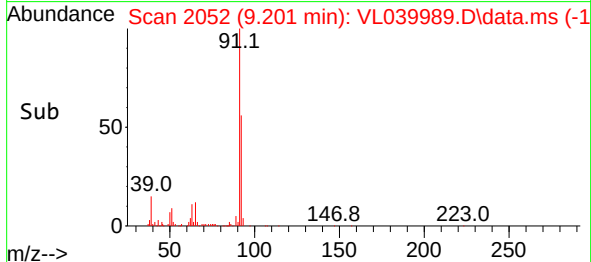
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 91 Resp: 23554
Ion Ratio Lower Upper
91 100
92 59.3 49.8 74.6

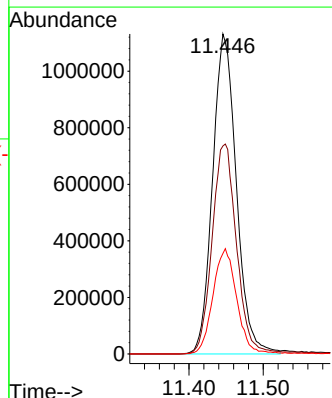
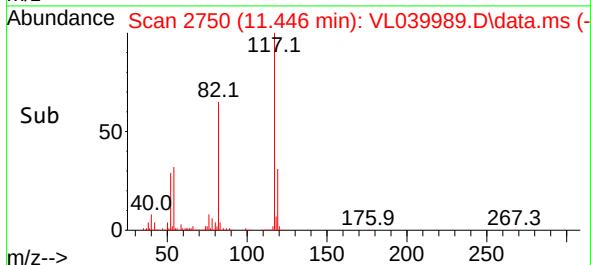
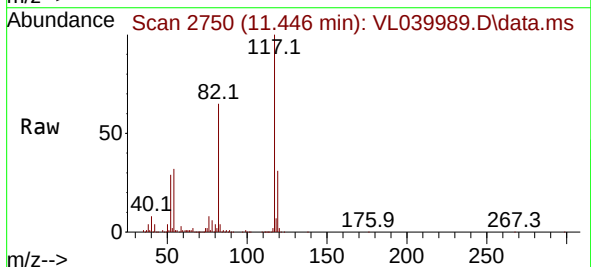
Manual Integrations
APPROVED

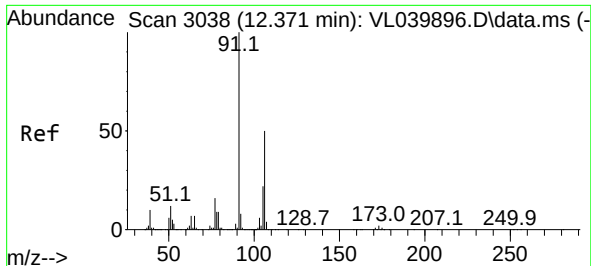
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. 0.013 min
Lab File: VL039989.D
Acq: 12 Dec 2022 23:44

Tgt Ion:117 Resp: 2519261
Ion Ratio Lower Upper
117 100
82 68.1 52.3 78.5
119 33.2 25.7 38.5





#59

m/p-Xylene

Concen: 0.183 ppbv m

RT: 12.323 min Scan# 3038

Delta R.T. -0.016 min

Lab File: VL039989.D

Acq: 12 Dec 2022 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion: 91 Resp: 5225

Ion Ratio Lower Upper

91 100

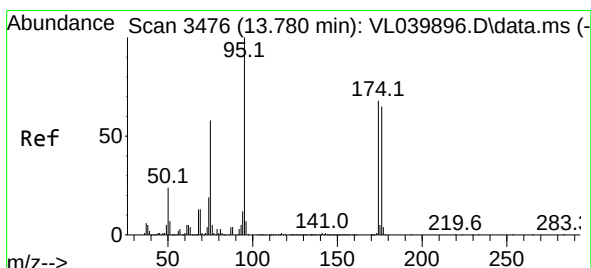
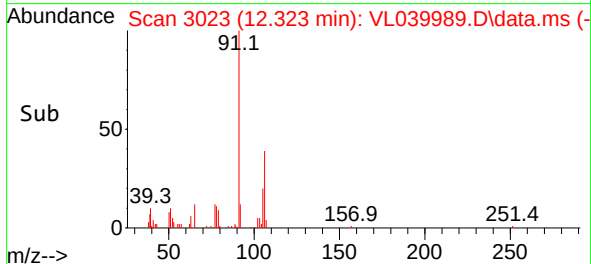
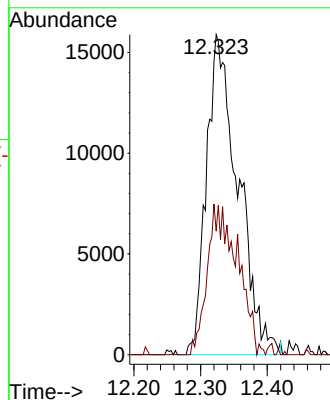
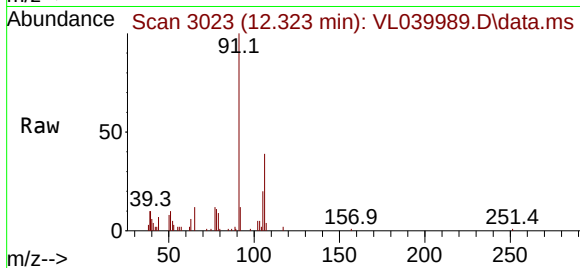
106 0.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.750 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. 0.016 min

Lab File: VL039989.D

Acq: 12 Dec 2022 23:44

Tgt Ion: 95 Resp: 2068539

Ion Ratio Lower Upper

95 100

174 59.5 53.7 80.5

175 4.4 4.0 6.0

