

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039979.D
 Acq On : 12 Dec 2022 17:08
 Operator : SY/MD
 Sample : N5969-06
 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 06:11:54 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

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	5.173	49	1152013	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	2960369	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2761062	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2251495	10.676	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	72095	0.437	ppbv	97
3) Chlorodifluoromethane	2.652	51	54571	0.343	ppbv	97
4) Chloromethane	2.790	50	46004	0.453	ppbv	97
10) Heptane	7.565	43	50830	0.281	ppbv	95
11) Trichlorofluoromethane	3.539	101	92902	0.462	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.044	101	10907m	0.072	ppbv	
13) Ethanol	3.211	45	2186864	382.514	ppbv	100
15) Acetone	3.446	43	1172484	7.673	ppbv	97
20) Methylene Chloride	3.912	84	768773	10.385	ppbv	96
26) Hexane	5.192	57	504128	4.113	ppbv #	48
29) Chloroform	5.250	83	67924	0.417	ppbv	89
35) Carbon Tetrachloride	6.475	117	13912m	0.083	ppbv	
36) Benzene	6.349	78	74265	0.295	ppbv #	95
44) 2,2,4-Trimethylpentane	7.307	57	521327	1.241	ppbv	94
52) Tetrachloroethene	10.590	164	8382m	0.089	ppbv	
53) Toluene	9.208	91	198456m	0.692	ppbv	
58) Ethyl Benzene	12.073	91	39988m	0.107	ppbv	
59) m/p-Xylene	12.336	91	114392m	0.365	ppbv	

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

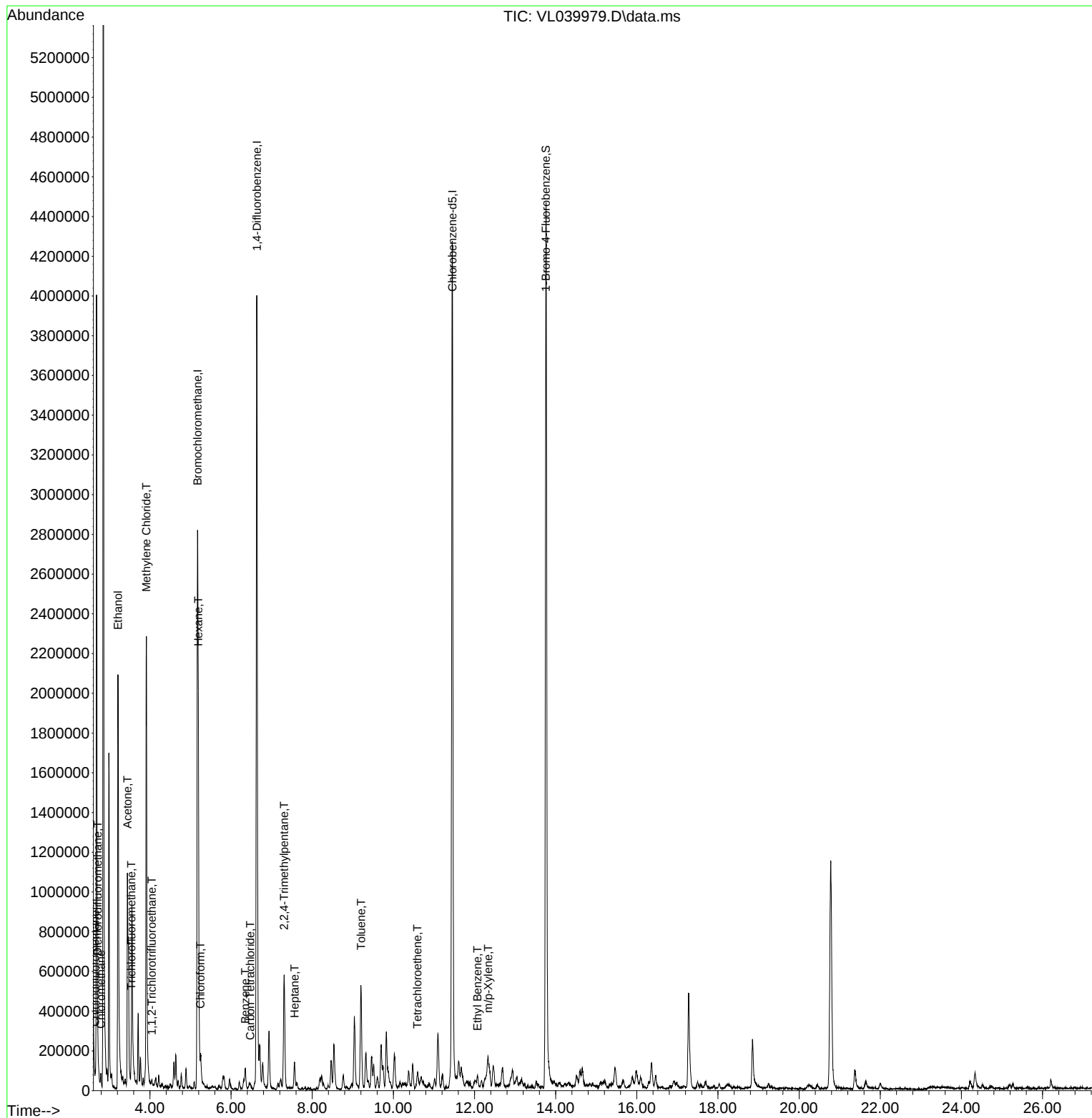
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039979.D
Acq On : 12 Dec 2022 17:08
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Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Dec 13 06:11:54 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





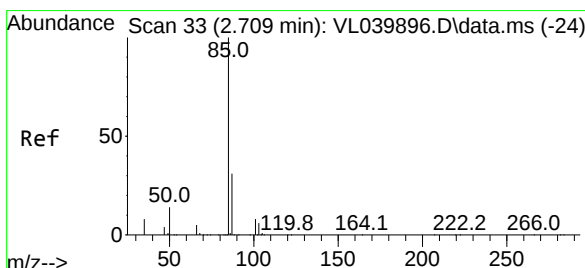
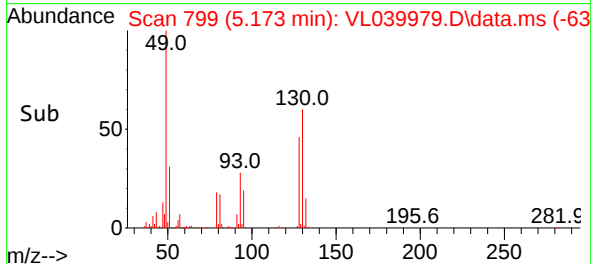
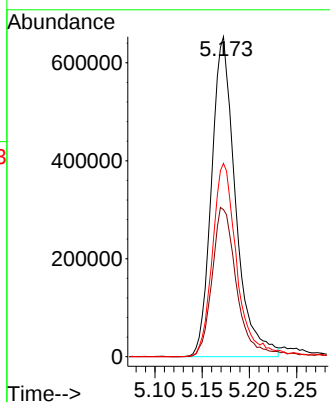
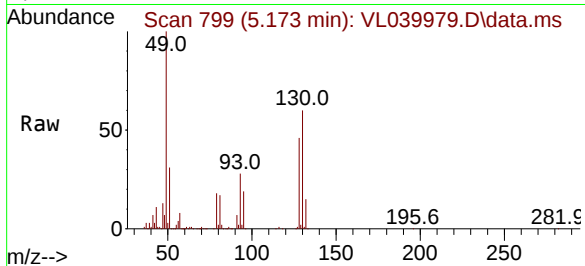
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. 0.017 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 115201
Ion Ratio Lower Upper
49 100
128 49.4 22.1 66.3
130 62.8 27.7 83.1

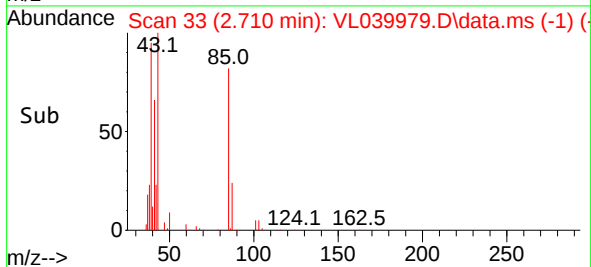
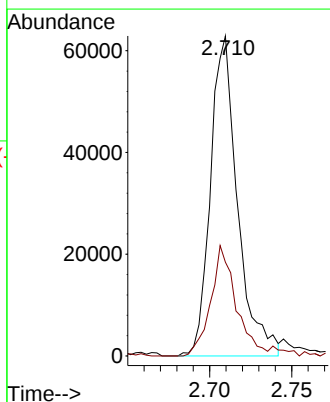
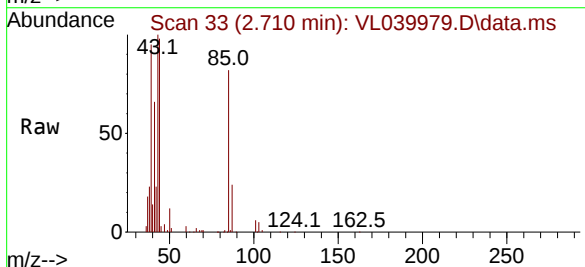
Manual Integrations
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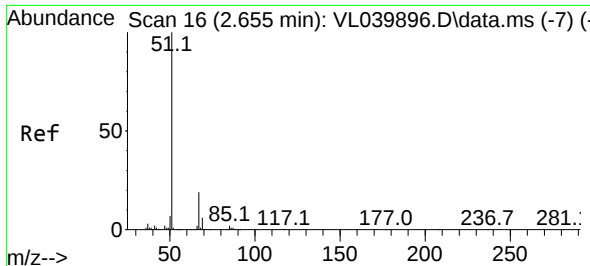
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#2
Dichlorodifluoromethane
Concen: 0.437 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

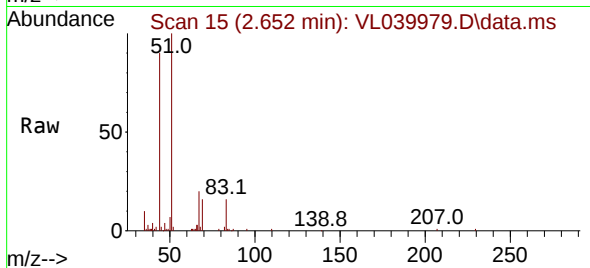
Tgt Ion: 85 Resp: 72095
Ion Ratio Lower Upper
85 100
87 29.3 25.0 37.4





#3
Chlorodifluoromethane
Concen: 0.343 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

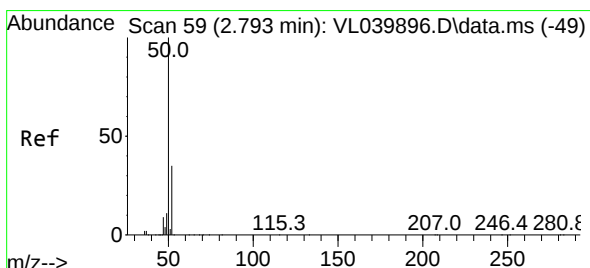
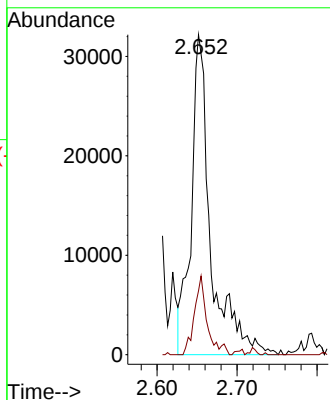
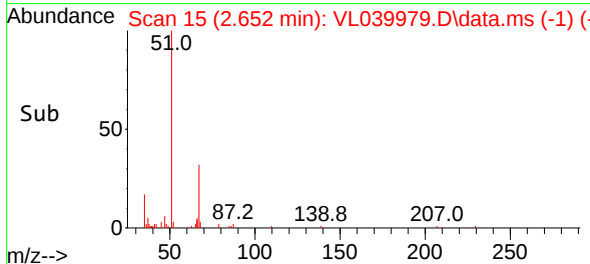
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 51 Resp: 5457
Ion Ratio Lower Upper
51 100
67 16.7 14.2 21.4

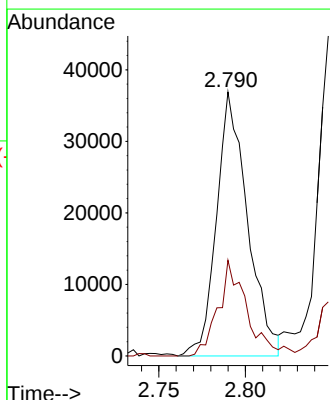
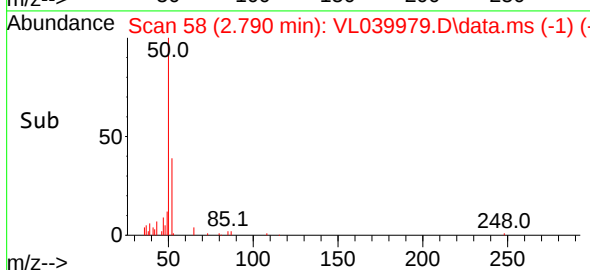
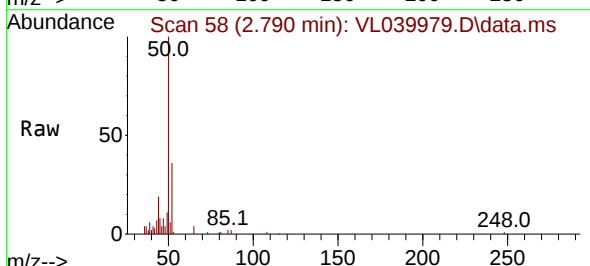
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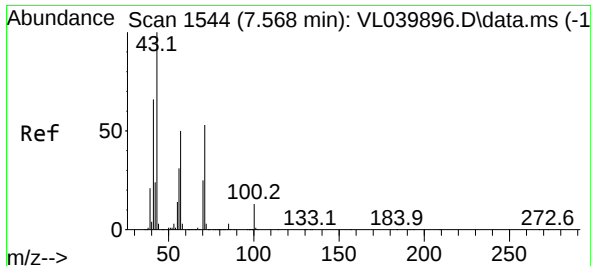
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 0.453 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

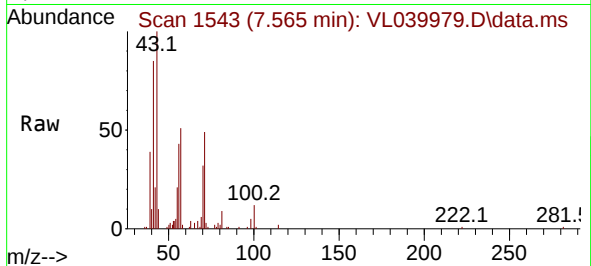
Tgt Ion: 50 Resp: 46004
Ion Ratio Lower Upper
50 100
52 36.3 27.8 41.8





#10
Heptane
Concen: 0.281 ppbv
RT: 7.565 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

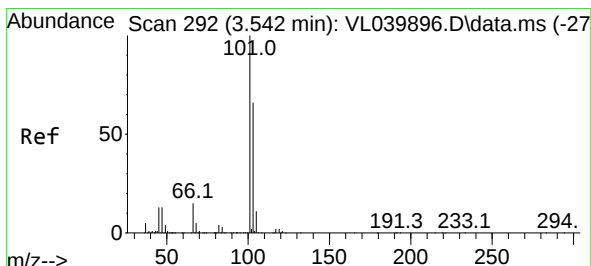
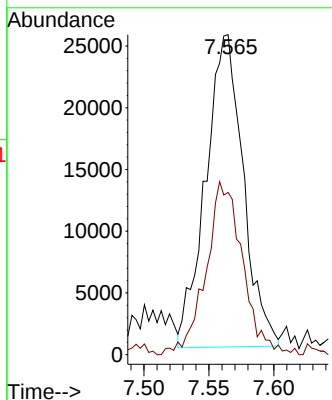
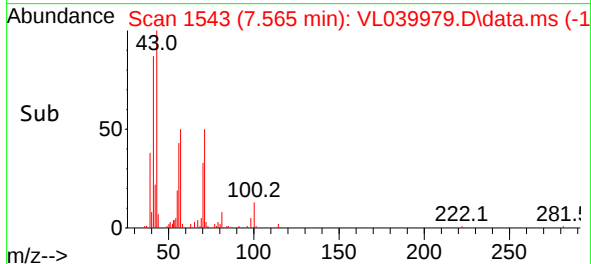
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp: 50830
Ion Ratio Lower Upper
43 100
57 54.1 40.7 61.1

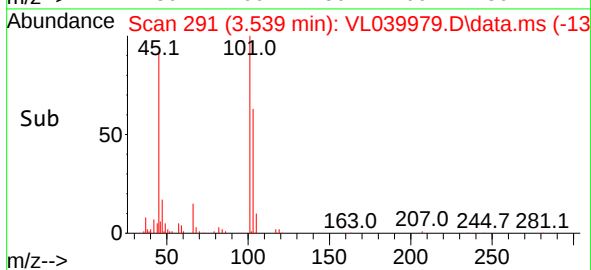
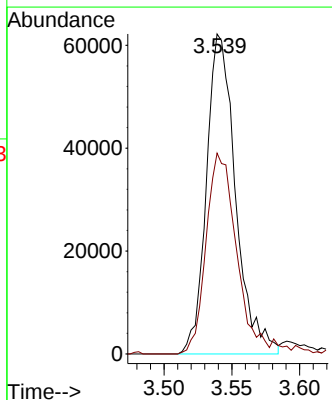
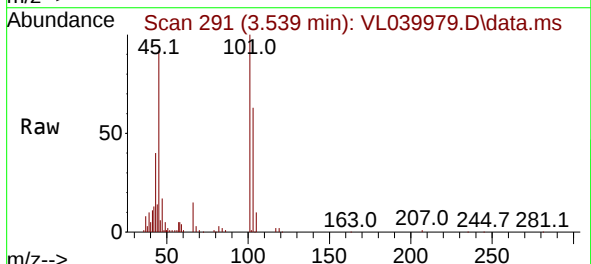
Manual Integrations
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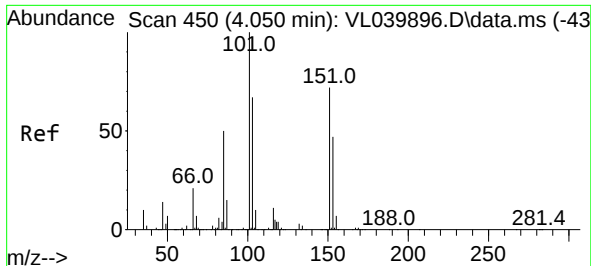
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#11
Trichlorofluoromethane
Concen: 0.462 ppbv
RT: 3.539 min Scan# 291
Delta R.T. 0.010 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

Tgt Ion:101 Resp: 92902
Ion Ratio Lower Upper
101 100
103 62.7 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.072 ppbv m

RT: 4.044 min Scan# 44

Delta R.T. 0.013 min

Lab File: VL039979.D

Acq: 12 Dec 2022 17:08

Instrument :

MSVOA_L

ClientSampleId :

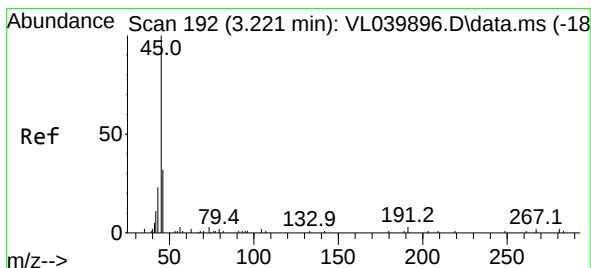
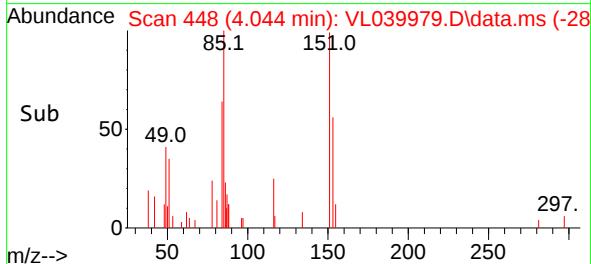
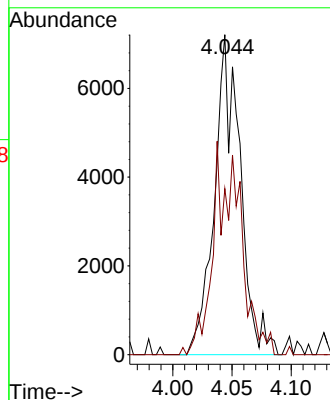
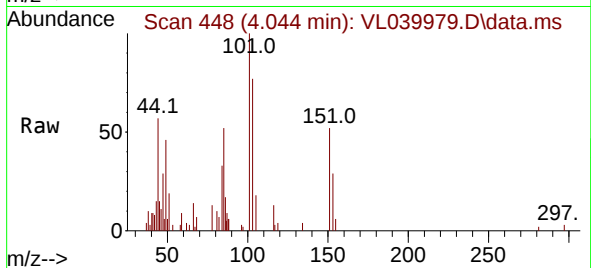
IA-1

Tgt Ion:101 Resp: 1090
 Ion Ratio Lower Upper
 101 100
 151 70.1 59.6 89.4

Manual Integrations

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



#13

Ethanol

Concen: 382.514 ppbv

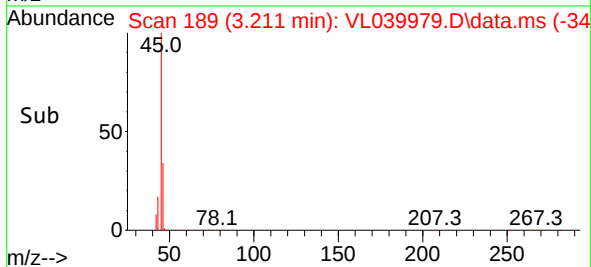
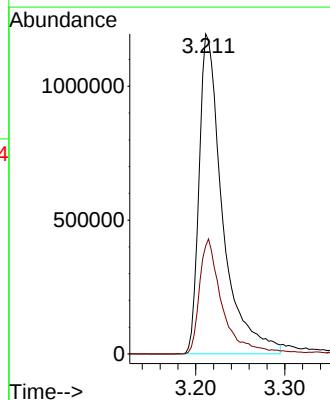
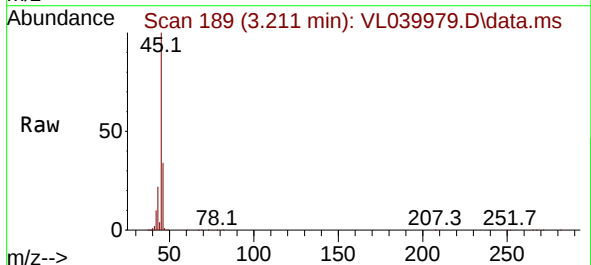
RT: 3.211 min Scan# 189

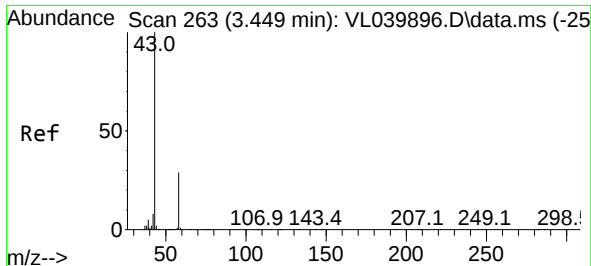
Delta R.T. -0.003 min

Lab File: VL039979.D

Acq: 12 Dec 2022 17:08

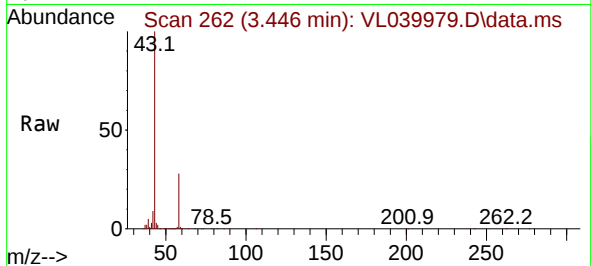
Tgt Ion: 45 Resp: 2186864
 Ion Ratio Lower Upper
 45 100
 46 36.3 14.6 58.2





#15
Acetone
Concen: 7.673 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

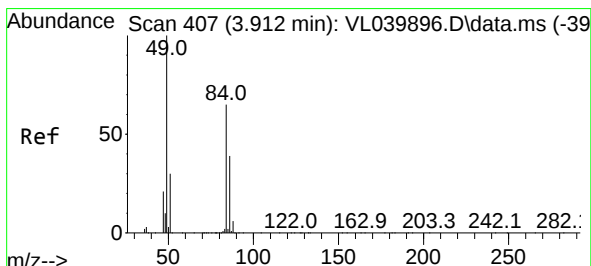
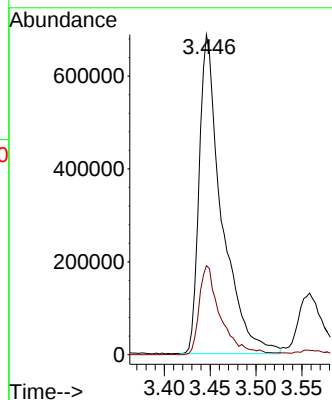
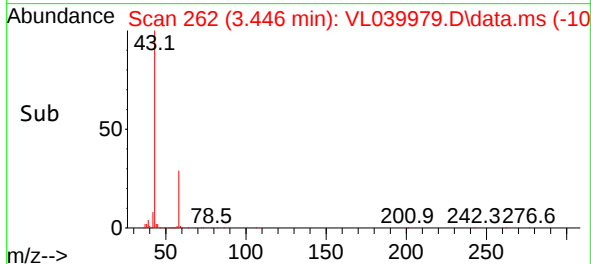
Instrument :
MSVOA_L
ClientSampleId :
IA-1



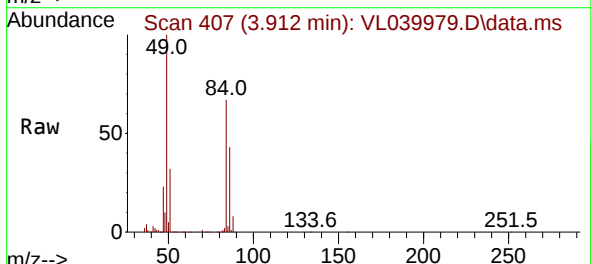
Tgt Ion: 43 Resp: 1172484
Ion Ratio Lower Upper
43 100
58 26.8 22.9 34.3

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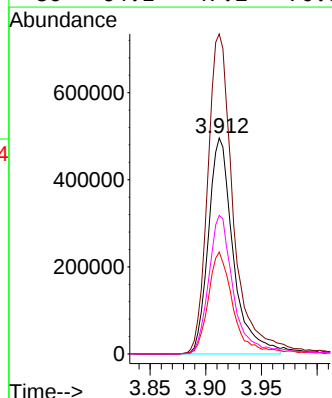
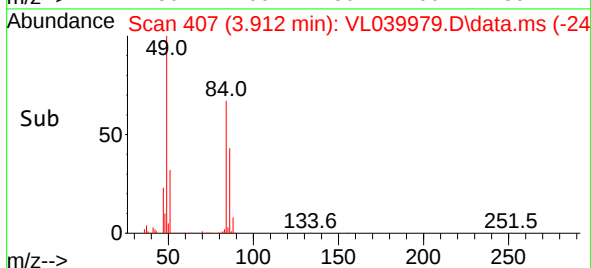
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

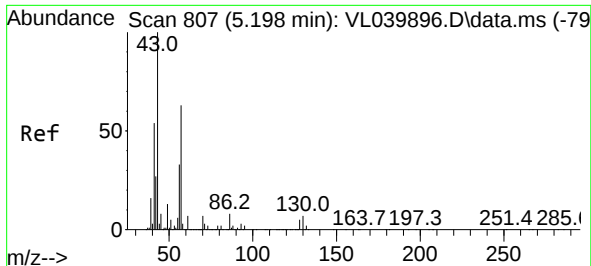


#20
Methylene Chloride
Concen: 10.385 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08



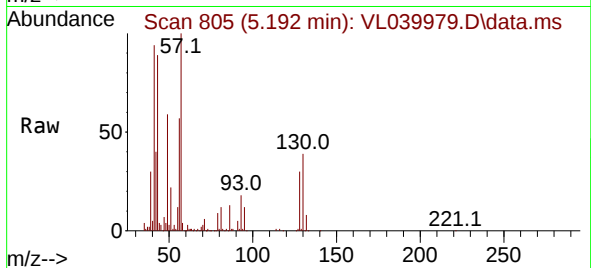
Tgt Ion: 84 Resp: 768773
Ion Ratio Lower Upper
84 100
49 148.0 122.2 183.4
51 47.2 36.3 54.5
86 64.1 47.2 70.8





#26
Hexane
Concen: 4.113 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

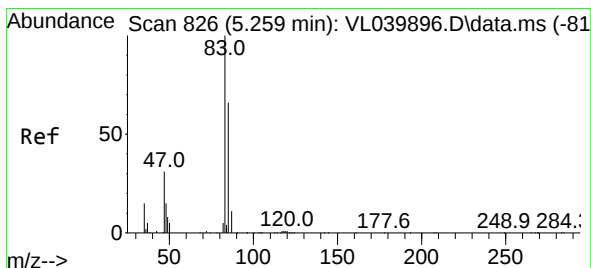
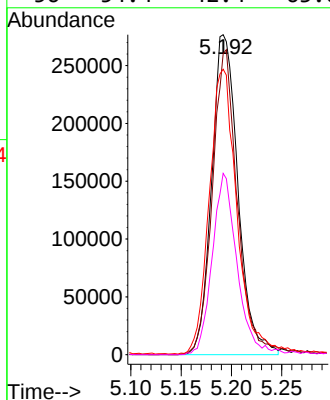
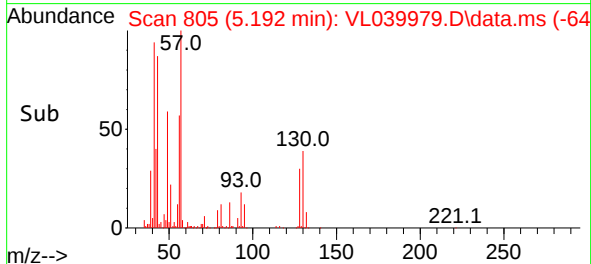
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 57 Resp: 504128
Ion Ratio Lower Upper
57 100
41 92.5 72.3 108.5
43 97.2 188.7 283.1
56 54.4 42.4 63.6

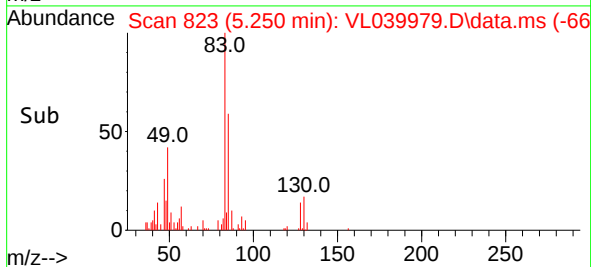
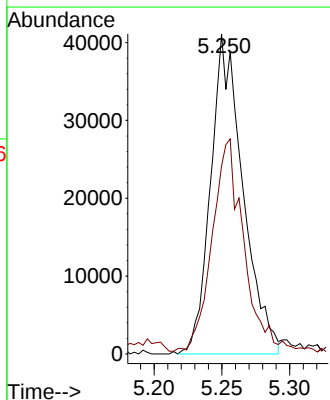
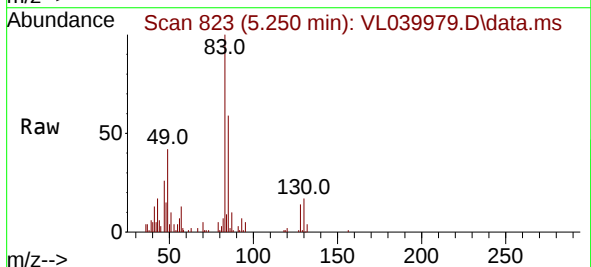
Manual Integrations
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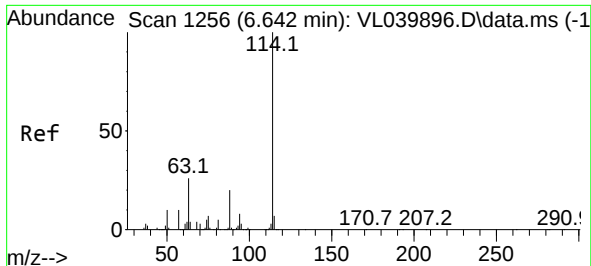
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#29
Chloroform
Concen: 0.417 ppbv
RT: 5.250 min Scan# 823
Delta R.T. 0.013 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

Tgt Ion: 83 Resp: 67924
Ion Ratio Lower Upper
83 100
85 57.1 52.4 78.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL039979.D

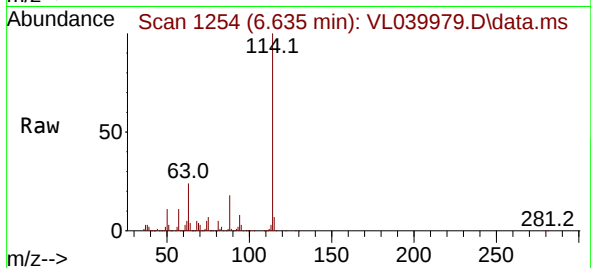
Acq: 12 Dec 2022 17:08

Instrument :

MSVOA_L

ClientSampleId :

IA-1



Tgt Ion:114 Resp: 2960369

Ion Ratio Lower Upper

114 100

63 25.3 21.4 32.0

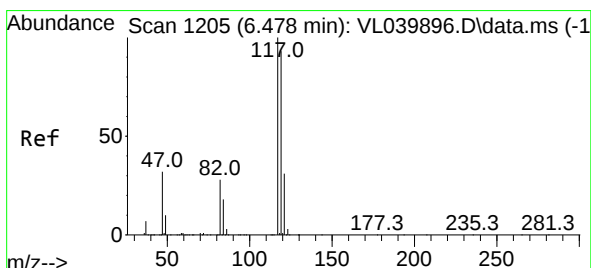
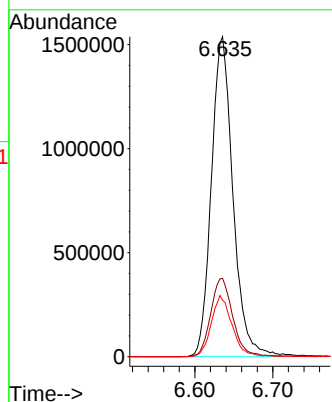
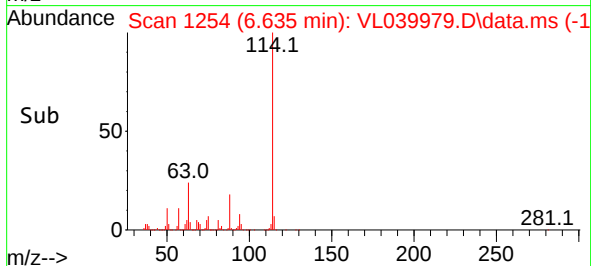
88 18.6 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#35

Carbon Tetrachloride

Concen: 0.083 ppbv m

RT: 6.475 min Scan# 1204

Delta R.T. 0.019 min

Lab File: VL039979.D

Acq: 12 Dec 2022 17:08

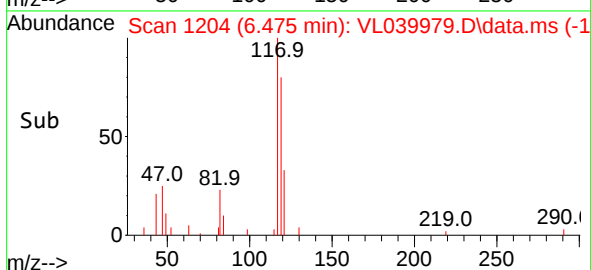
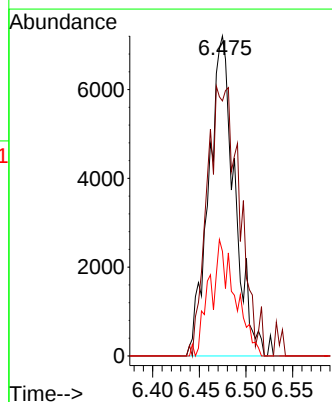
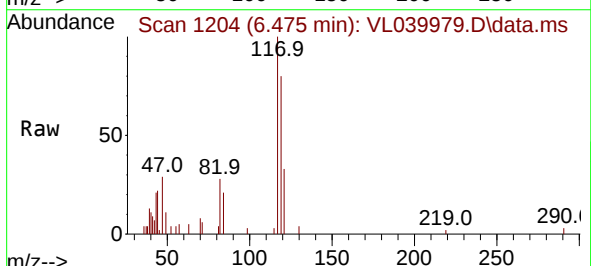
Tgt Ion:117 Resp: 13912

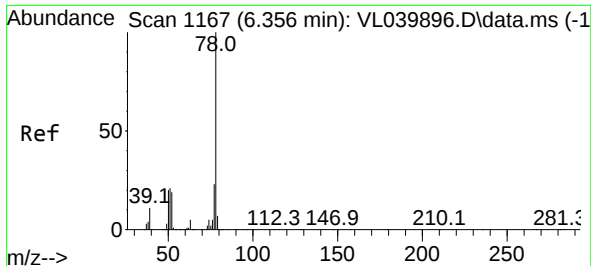
Ion Ratio Lower Upper

117 100

119 79.7 74.7 112.1

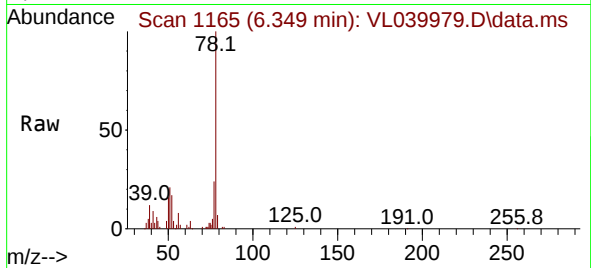
121 32.7 24.5 36.7





#36
Benzene
Concen: 0.295 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

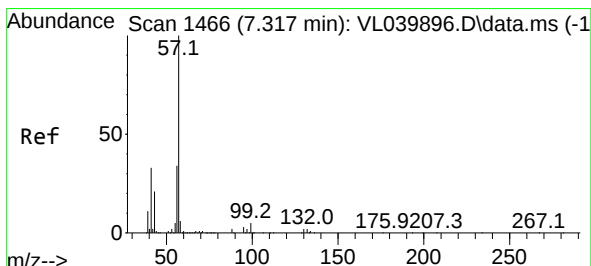
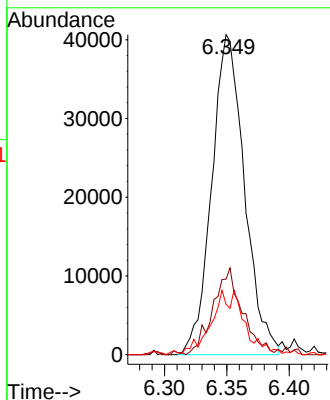
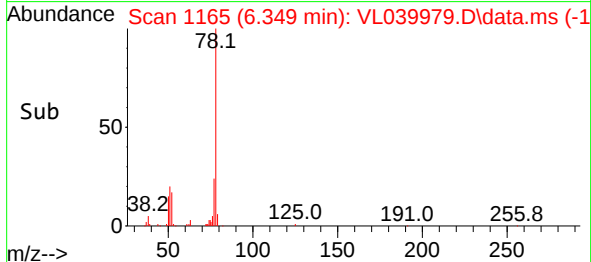
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 78 Resp: 7426
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.2
50 15.2 15.8 23.8

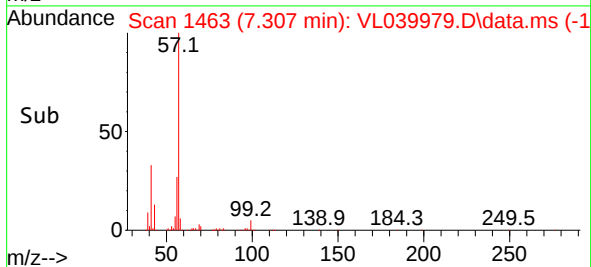
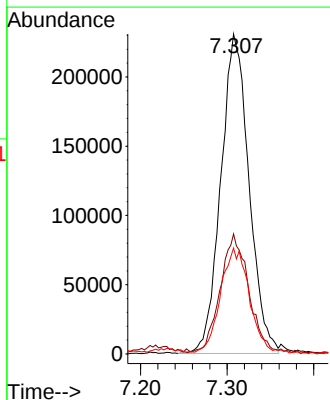
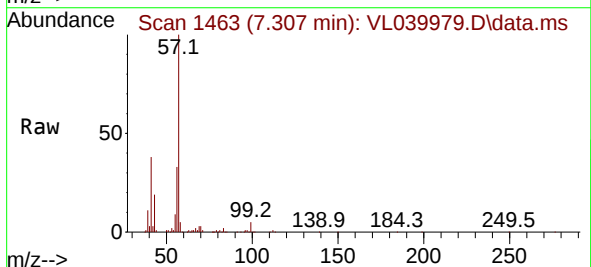
Manual Integrations
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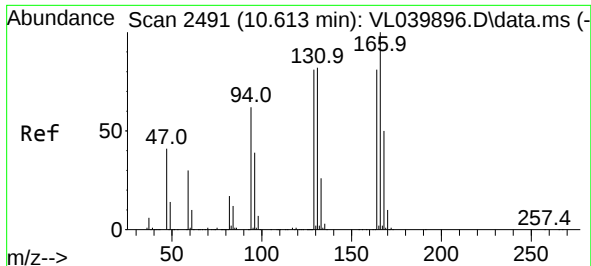
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#44
2,2,4-Trimethylpentane
Concen: 1.241 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.016 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

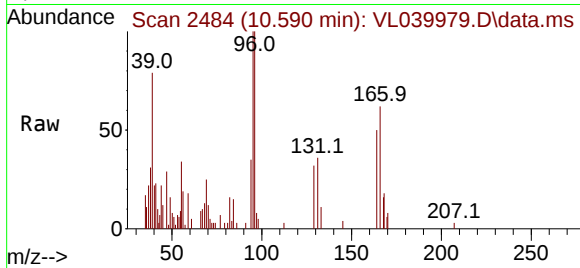
Tgt Ion: 57 Resp: 521327
Ion Ratio Lower Upper
57 100
41 38.3 26.2 39.2
56 33.4 25.5 38.3





#52
Tetrachloroethene
Concen: 0.089 ppbv m
RT: 10.590 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

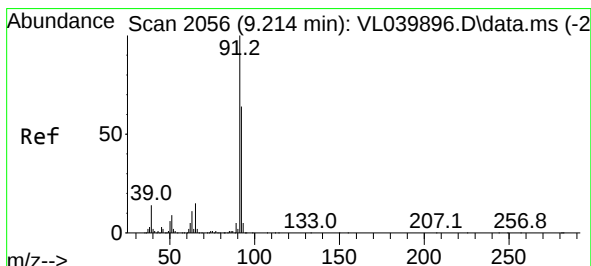
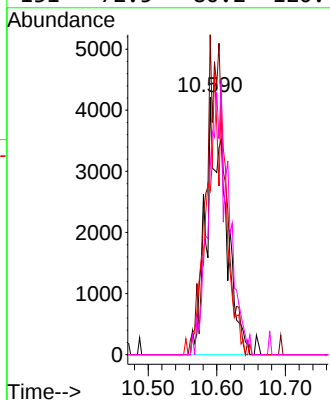
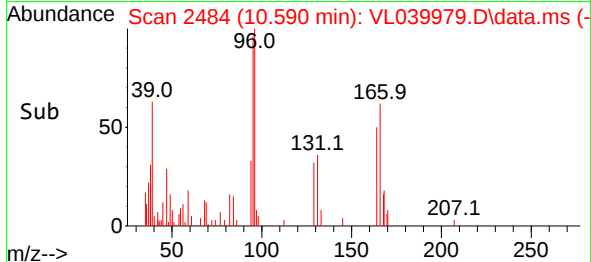
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:164 Resp: 838
Ion Ratio Lower Upper
164 100
166 124.3 98.3 147.5
129 63.5 79.7 119.5
131 72.5 80.2 120.4

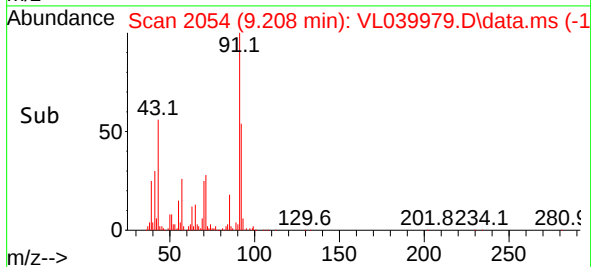
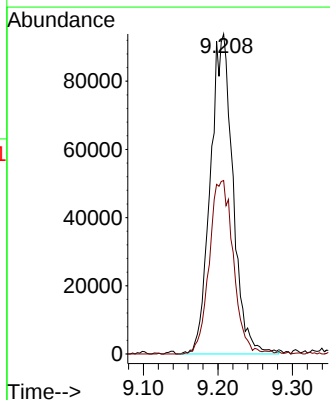
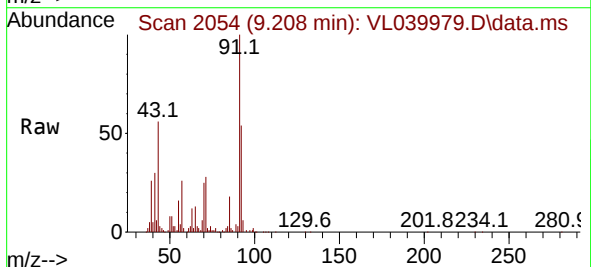
Manual Integrations
APPROVED

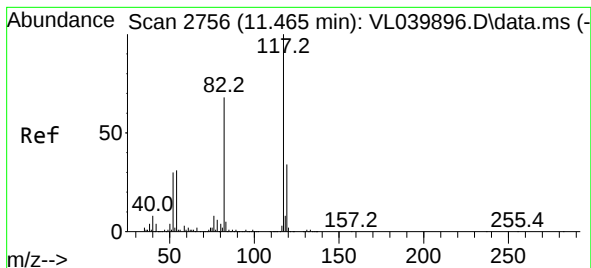
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#53
Toluene
Concen: 0.692 ppbv m
RT: 9.208 min Scan# 2054
Delta R.T. 0.023 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

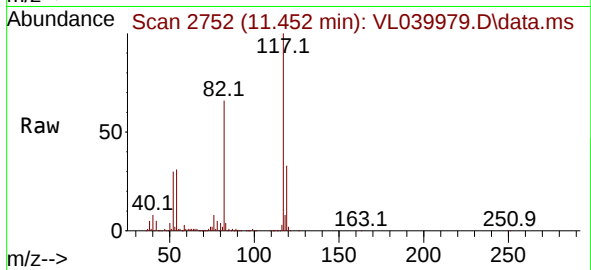
Tgt Ion: 91 Resp: 198456
Ion Ratio Lower Upper
91 100
92 57.9 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

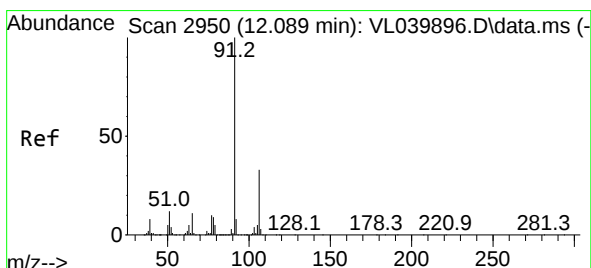
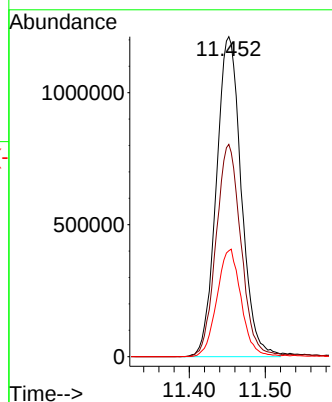
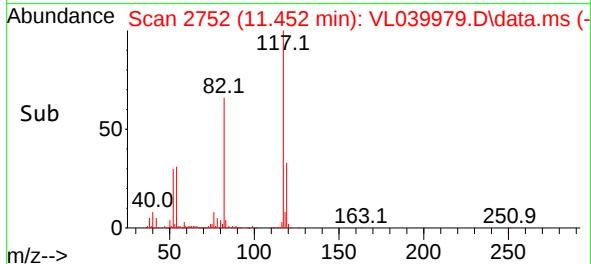
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 117 Resp: 276106
Ion Ratio Lower Upper
117 100
82 67.4 52.3 78.5
119 33.1 25.7 38.5

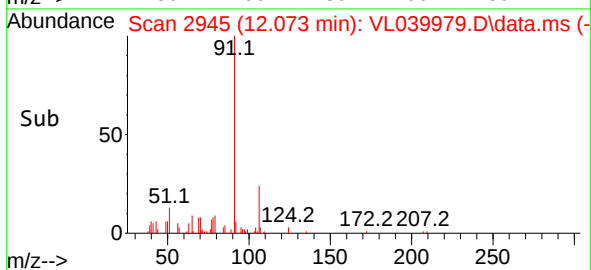
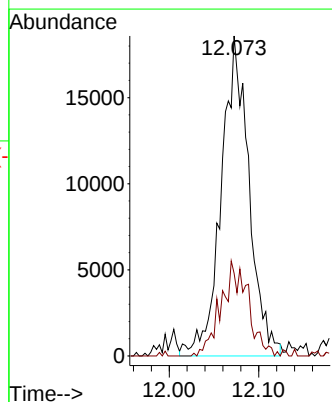
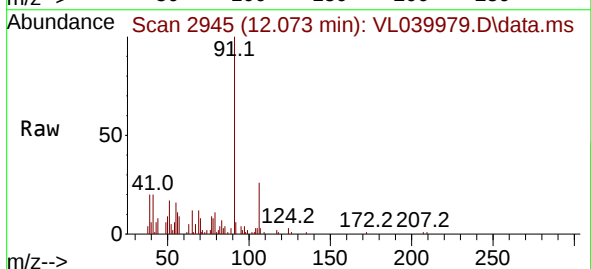
Manual Integrations
APPROVED

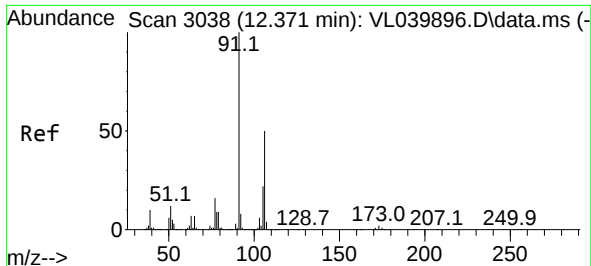
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#58
Ethyl Benzene
Concen: 0.107 ppbv m
RT: 12.073 min Scan# 2945
Delta R.T. 0.016 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

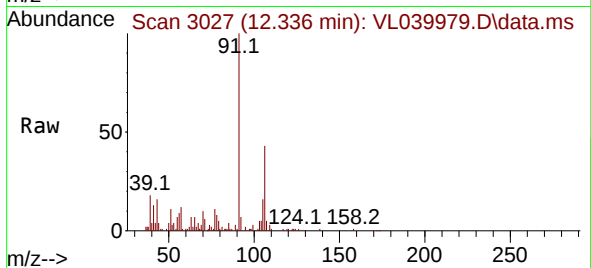
Tgt Ion: 91 Resp: 39988
Ion Ratio Lower Upper
91 100
106 25.8 26.1 39.1#





#59
m/p-Xylene
Concen: 0.365 ppbv m
RT: 12.336 min Scan# 3038
Delta R.T. -0.003 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08

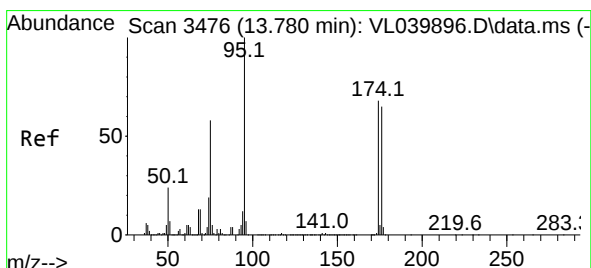
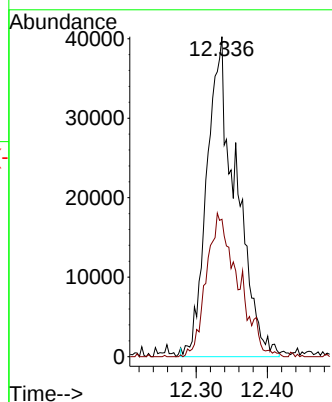
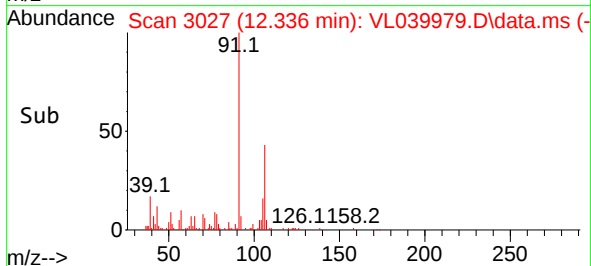
Instrument :
MSVOA_L
ClientSampleId :
IA-1



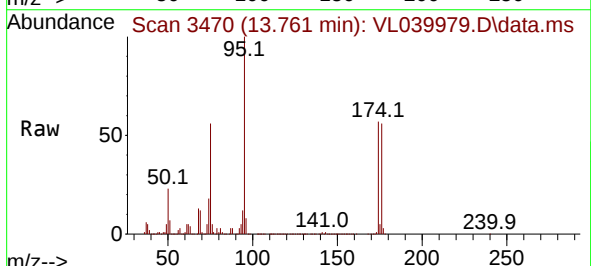
Tgt Ion: 91 Resp: 114392
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.676 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.019 min
Lab File: VL039979.D
Acq: 12 Dec 2022 17:08



Tgt Ion: 95 Resp: 2251495
Ion Ratio Lower Upper
95 100
174 60.6 53.7 80.5
175 4.5 4.0 6.0

