

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039953.D
 Acq On : 1 Dec 2022 22:16
 Operator : SY/MD
 Sample : N5826-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 H302022-EFFLUENTDUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2022
 Supervised By :Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:36:01 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2022

QLast Update : Fri Dec 02 05:29:35 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1000621	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.623	114	2854427	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.436	117	2662140	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2013473	9.902	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.697	85	39859	0.278	ppbv	96
4) Chloromethane	2.784	50	12364m	0.140	ppbv	
9) Propene	2.671	41	30035m	0.462	ppbv	
11) Trichlorofluoromethane	3.529	101	61170	0.350	ppbv	91
13) Ethanol	3.214	45	67440m	13.581	ppbv	
15) Acetone	3.439	43	322006	2.426	ppbv	96
19) Isopropyl Alcohol	3.555	45	71018	0.988	ppbv #	36
20) Methylene Chloride	3.902	84	484957	7.542	ppbv	97
22) trans-1,2-Dichloroethene	4.417	96	7407m	0.121	ppbv	
25) Ethyl Acetate	5.172	43	1268486	5.206	ppbv #	97
26) Hexane	5.179	57	391643m	3.679	ppbv	
29) Chloroform	5.237	83	66026	0.467	ppbv	96
30) Cyclohexane	6.578	84	13230m	0.127	ppbv	
31) cis-1,2-Dichloroethene	5.047	61	324238	3.297	ppbv	98
32) 1,1,1-Trichloroethane	5.970	97	222430	1.259	ppbv	96
34) 2-Butanone	4.767	43	51860	0.380	ppbv #	87
35) Carbon Tetrachloride	6.455	117	6989m	0.043	ppbv	
36) Benzene	6.336	78	65465	0.270	ppbv	97
38) Trichloroethene	7.259	130	738294	5.444	ppbv	99
44) 2,2,4-Trimethylpentane	7.295	57	64752m	0.160	ppbv	
52) Tetrachloroethene	10.587	164	824981	9.089	ppbv	97
53) Toluene	9.182	91	158879m	0.575	ppbv	
59) m/p-Xylene	12.320	91	50776m	0.168	ppbv	

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

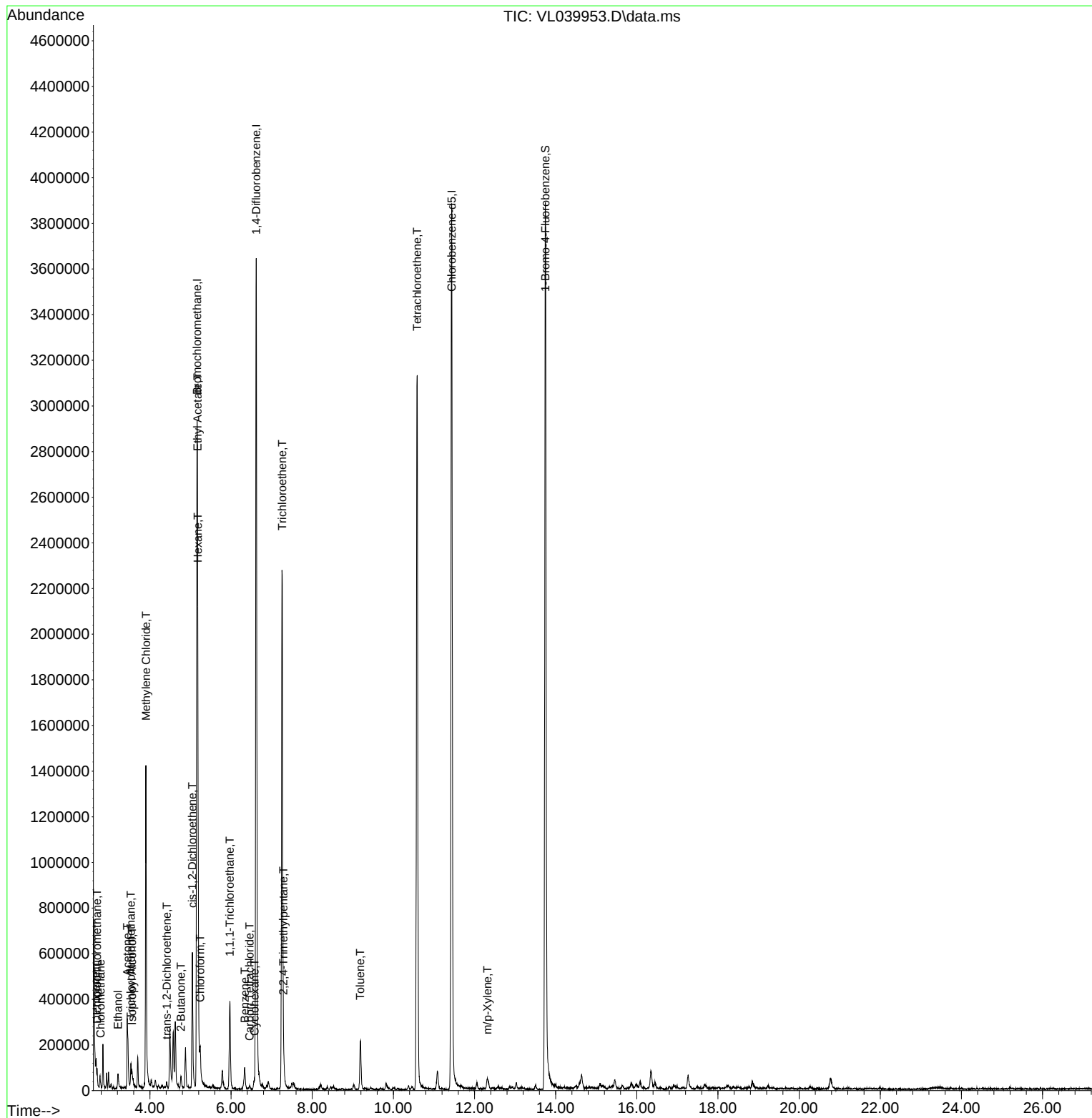
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
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Quant Time: Dec 02 05:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

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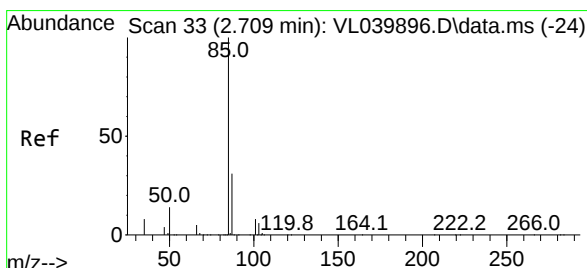
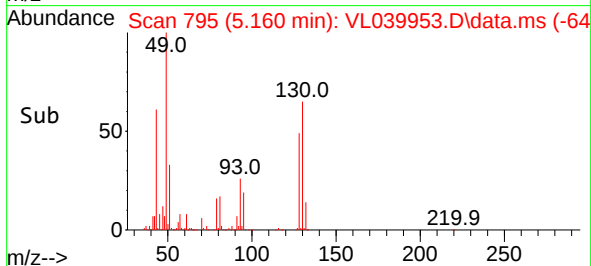
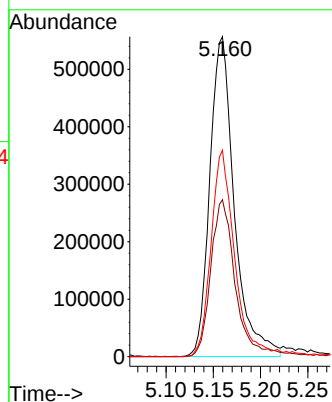
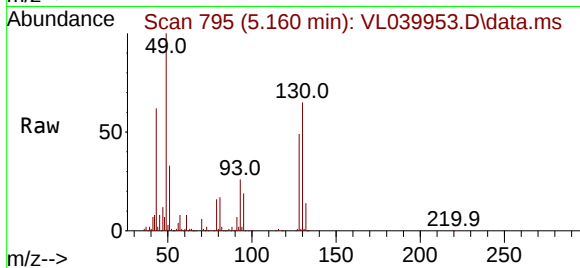
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 79
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument : MSVOA_L
ClientSampleId : H302022-EFFLUENTDUP

Tgt Ion: 49 Resp: 100062
Ion Ratio Lower Upper
49 100
128 51.0 22.1 66.3
130 64.6 27.7 83.1

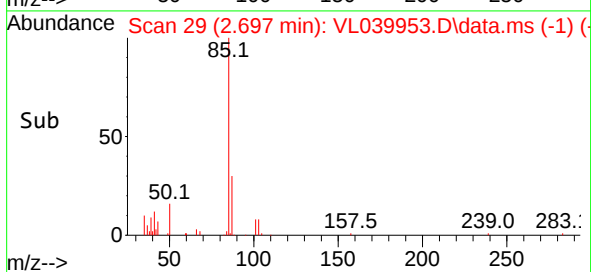
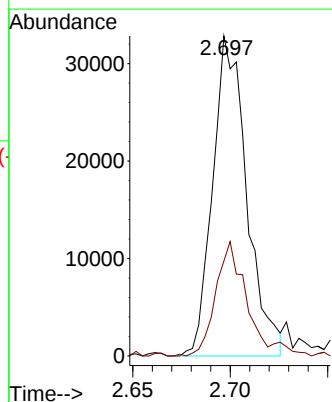
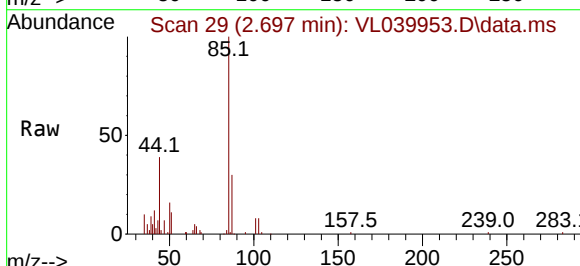
Manual Integrations
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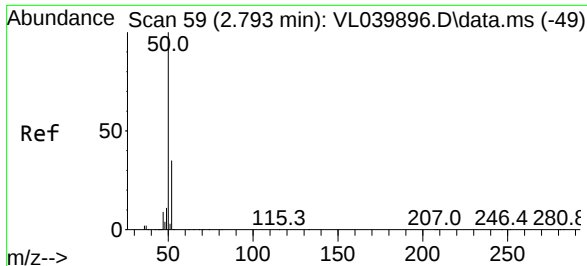
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#2
Dichlorodifluoromethane
Concen: 0.278 ppbv
RT: 2.697 min Scan# 29
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

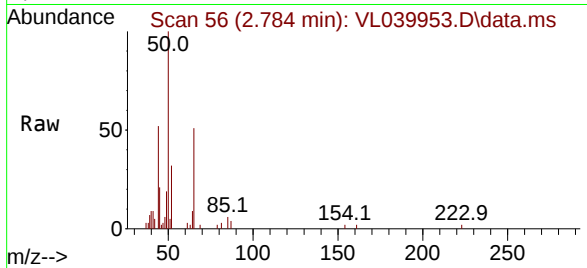
Tgt Ion: 85 Resp: 39859
Ion Ratio Lower Upper
85 100
87 29.1 25.0 37.4





#4
Chloromethane
Concen: 0.140 ppbv m
RT: 2.784 min Scan# 50
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

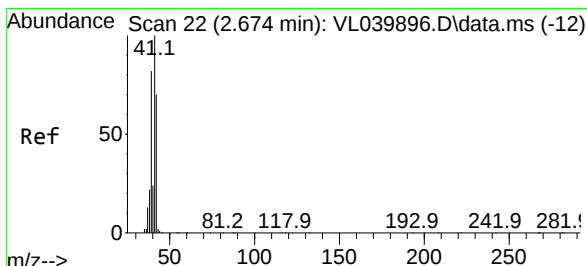
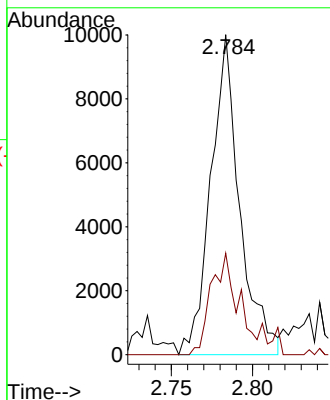
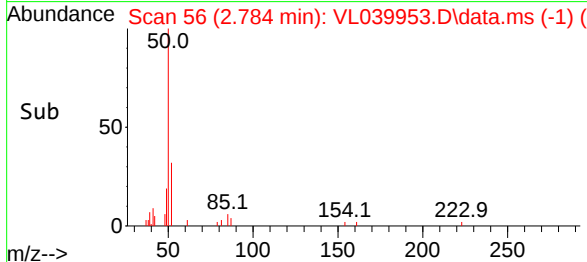
Instrument :
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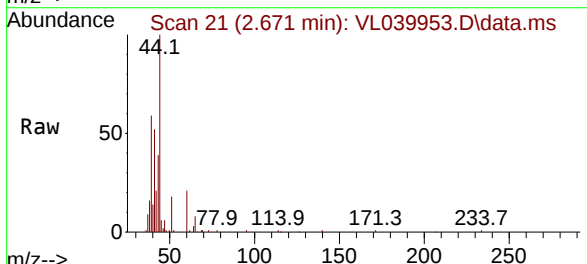
Tgt Ion: 50 Resp: 12364
Ion Ratio Lower Upper
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52 31.7 27.8 41.8

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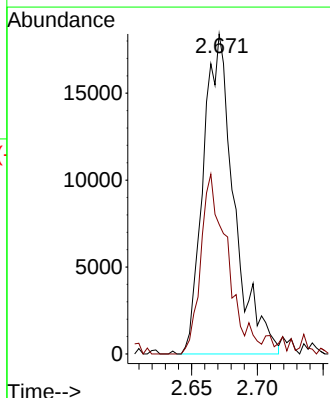
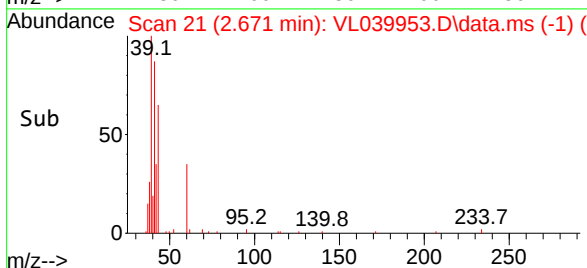
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

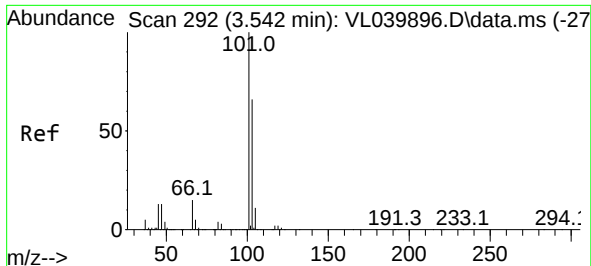


#9
Propene
Concen: 0.462 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16



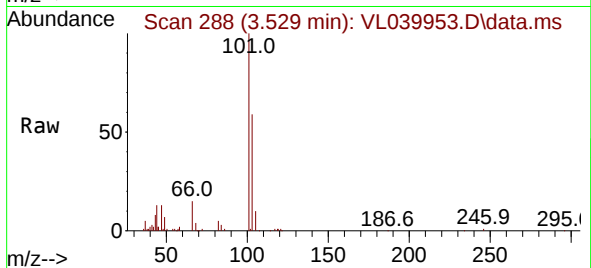
Tgt Ion: 41 Resp: 30035
Ion Ratio Lower Upper
41 100
42 51.4 55.8 83.6#





#11
Trichlorofluoromethane
Concen: 0.350 ppbv
RT: 3.529 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

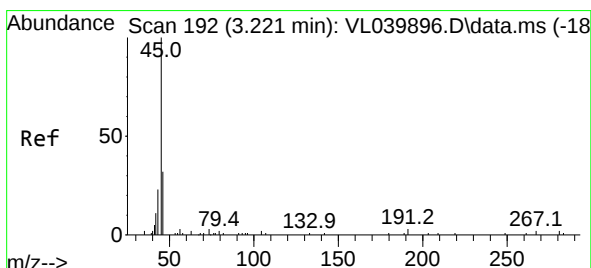
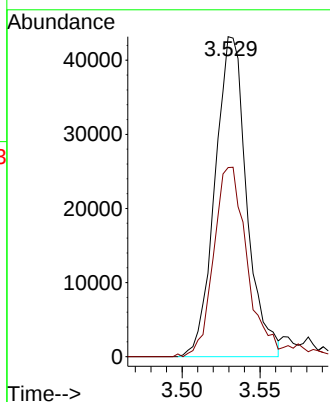
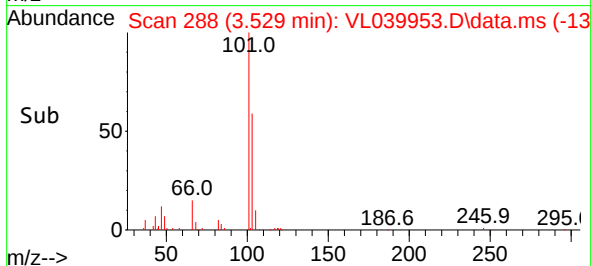
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP



Tgt Ion:101 Resp: 61170
Ion Ratio Lower Upper
101 100
103 58.2 52.6 78.8

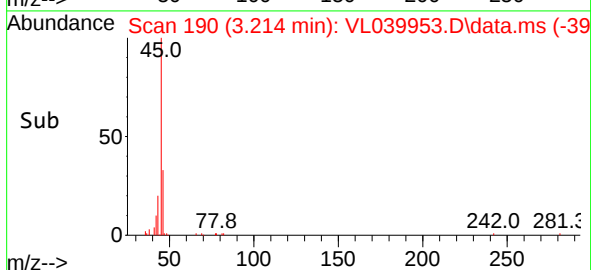
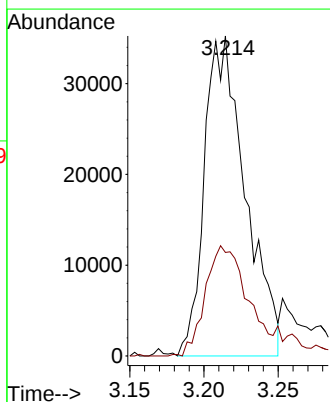
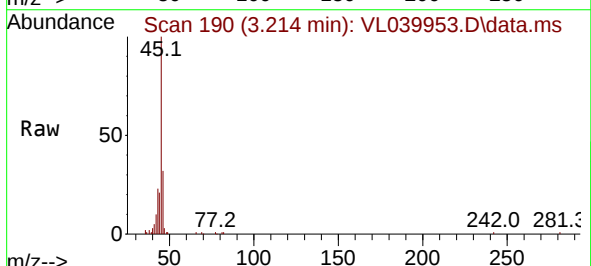
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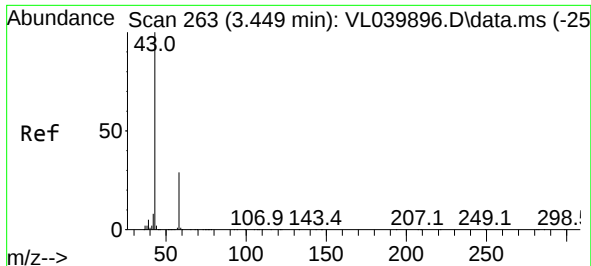
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#13
Ethanol
Concen: 13.581 ppbv m
RT: 3.214 min Scan# 190
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 45 Resp: 67440
Ion Ratio Lower Upper
45 100
46 40.3 14.6 58.2





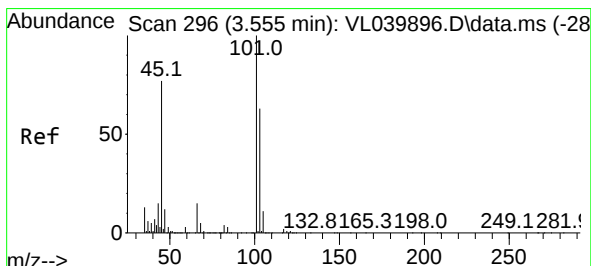
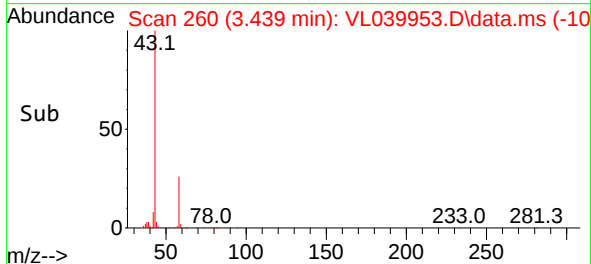
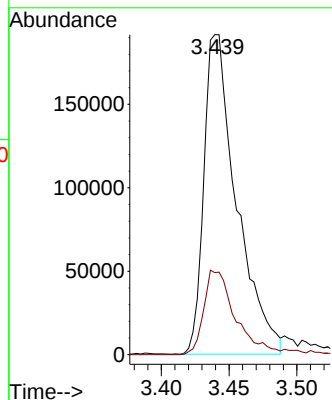
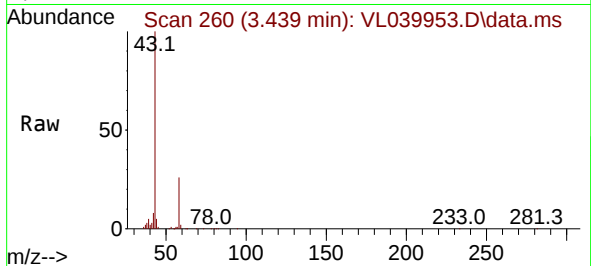
#15
Acetone
Concen: 2.426 ppbv
RT: 3.439 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP

Tgt Ion: 43 Resp: 322000
Ion Ratio Lower Upper
43 100
58 26.6 22.9 34.3

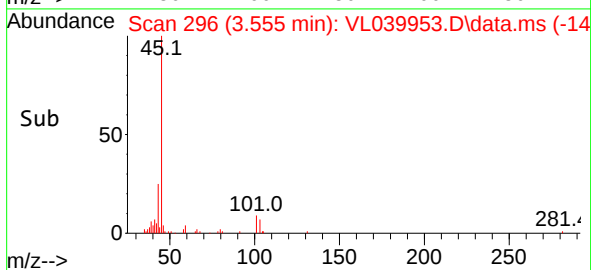
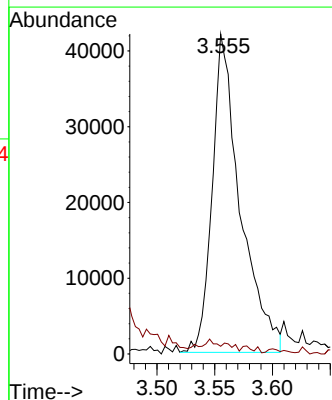
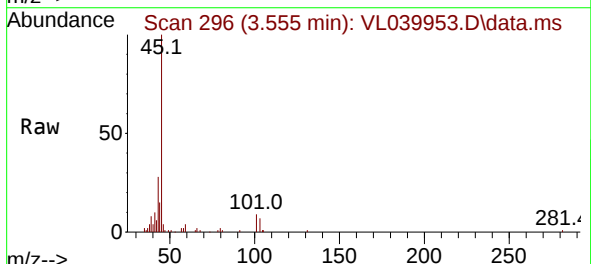
Manual Integrations
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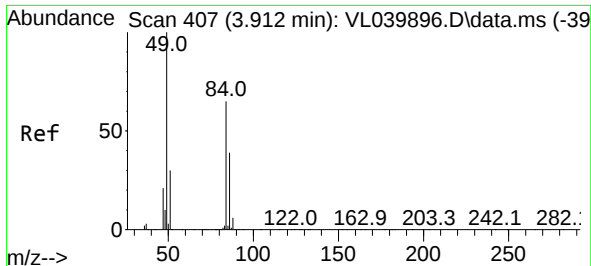
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#19
Isopropyl Alcohol
Concen: 0.988 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.000 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

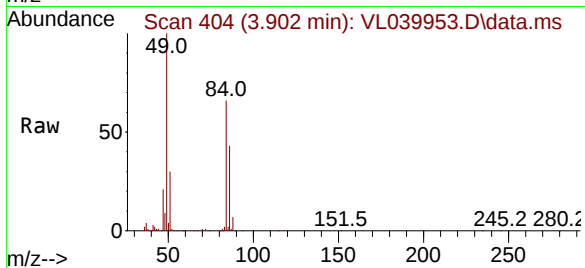
Tgt Ion: 45 Resp: 71018
Ion Ratio Lower Upper
45 100
58 4.9 38.7 58.1#





#20
Methylene Chloride
Concen: 7.542 ppbv
RT: 3.902 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

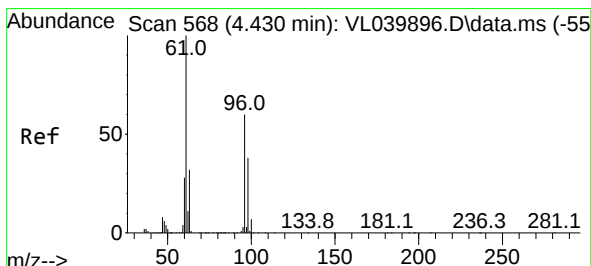
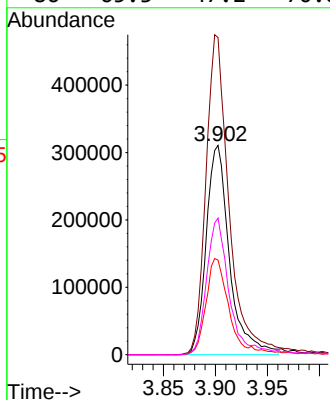
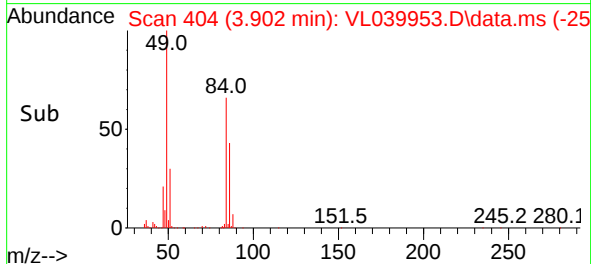
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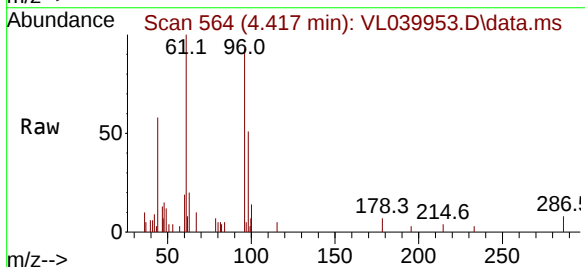
Tgt Ion: 84 Resp: 48495
Ion Ratio Lower Upper
84 100
49 151.5 122.2 183.4
51 45.2 36.3 54.5
86 65.3 47.2 70.8

Manual Integrations
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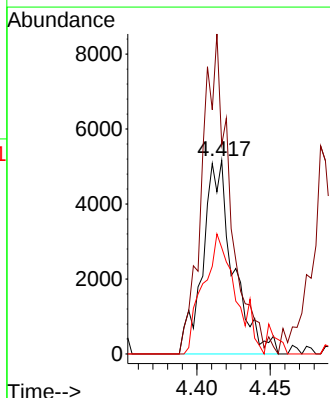
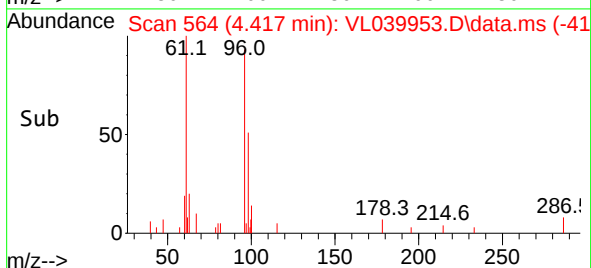
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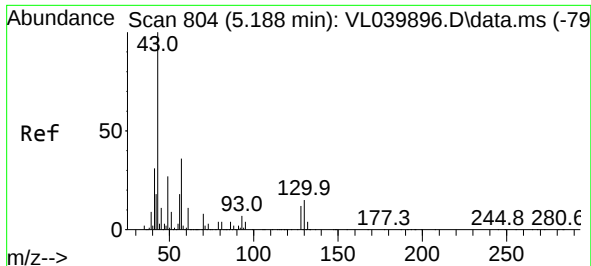


#22
trans-1,2-Dichloroethene
Concen: 0.121 ppbv m
RT: 4.417 min Scan# 564
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16



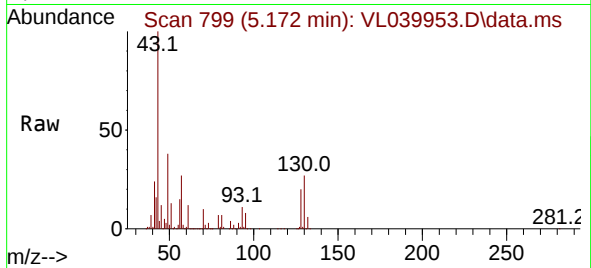
Tgt Ion: 96 Resp: 7407
Ion Ratio Lower Upper
96 100
61 107.9 134.1 201.1#
98 54.9 50.4 75.6





#25
Ethyl Acetate
Concen: 5.206 ppbv
RT: 5.172 min Scan# 799
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

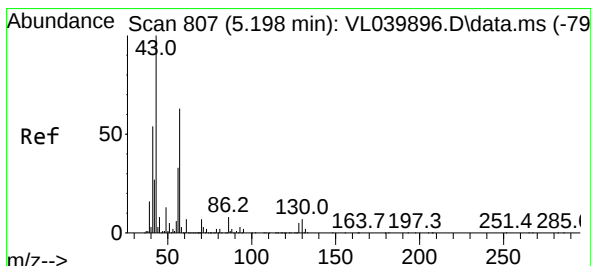
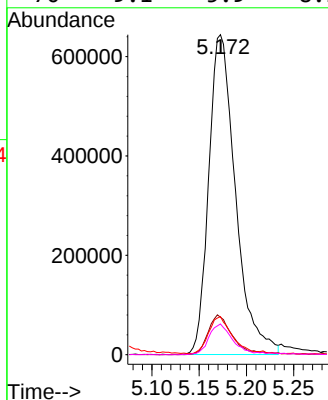
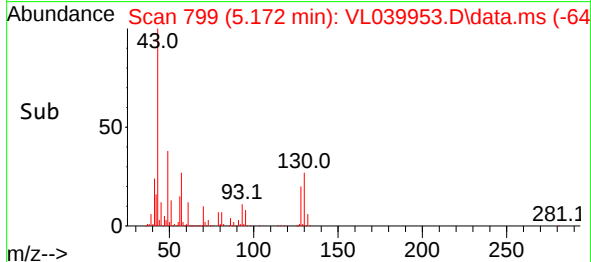
Instrument : MSVOA_L
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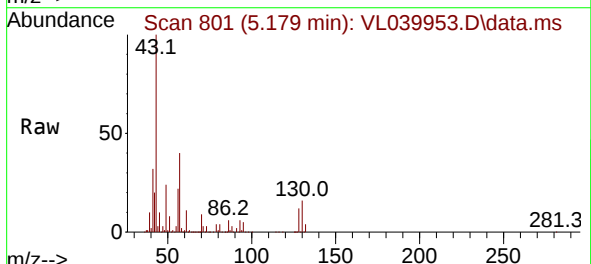
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Ion Ratio Lower Upper
43 100
45 11.9 8.4 12.6
61 11.0 8.5 12.7
70 9.1 5.9 8.9#

Manual Integrations
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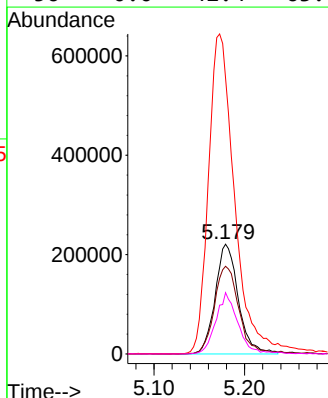
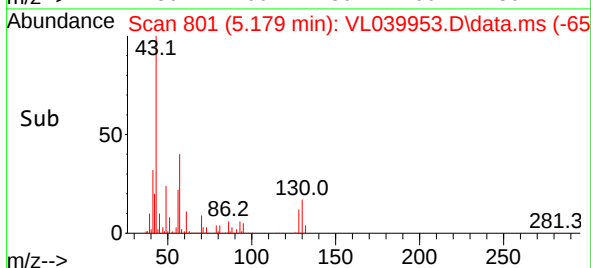
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

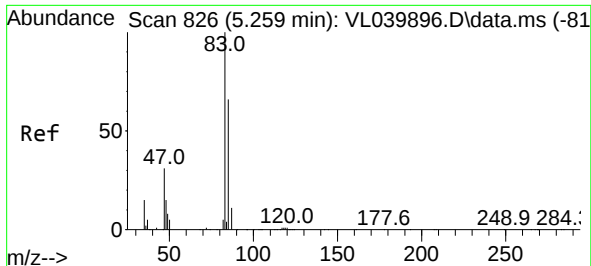


#26
Hexane
Concen: 3.679 ppbv m
RT: 5.179 min Scan# 801
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16



Tgt Ion: 57 Resp: 391643
Ion Ratio Lower Upper
57 100
41 0.0 72.3 108.5#
43 0.0 188.7 283.1#
56 0.0 42.4 63.6#





#29

Chloroform

Concen: 0.467 ppbv

RT: 5.237 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL039953.D

Acq: 1 Dec 2022 22:16

Instrument :

MSVOA_L

ClientSampleId :

H302022-EFFLUENTDUP

Tgt Ion: 83 Resp: 66020

Ion Ratio Lower Upper

83 100

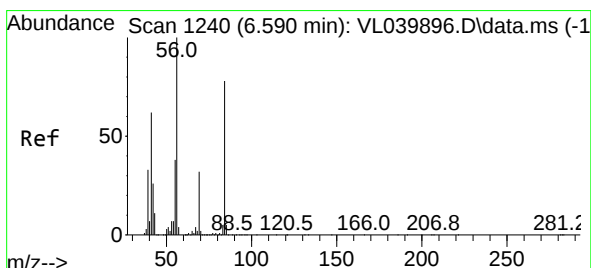
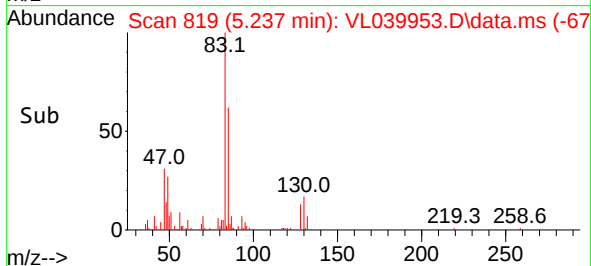
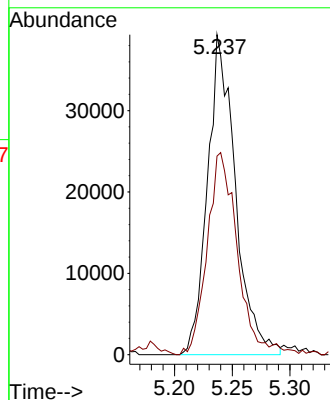
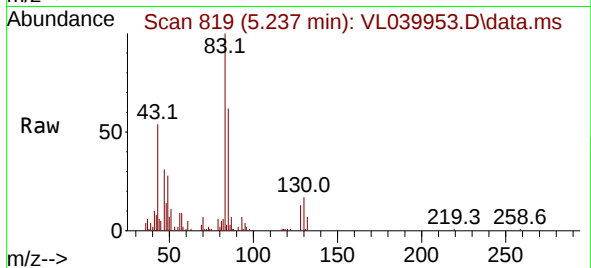
85 62.0 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2022

Supervised By :Mahesh Dadoda 12/05/2022



#30

Cyclohexane

Concen: 0.127 ppbv m

RT: 6.578 min Scan# 1236

Delta R.T. -0.006 min

Lab File: VL039953.D

Acq: 1 Dec 2022 22:16

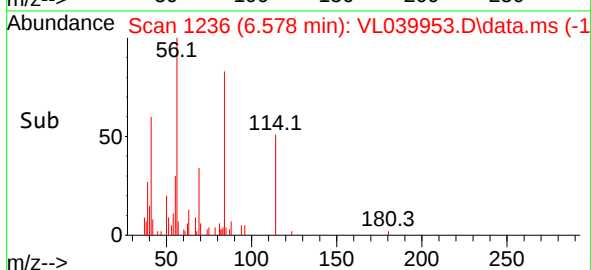
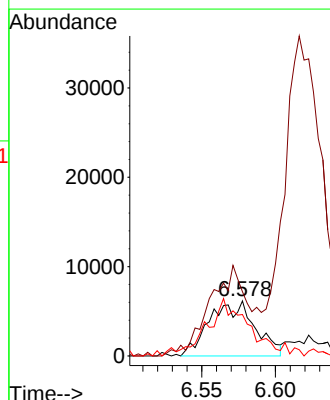
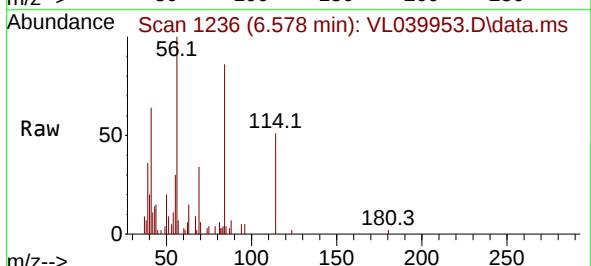
Tgt Ion: 84 Resp: 13230

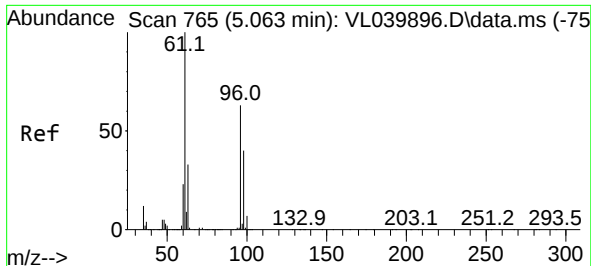
Ion Ratio Lower Upper

84 100

56 145.8 112.5 168.7

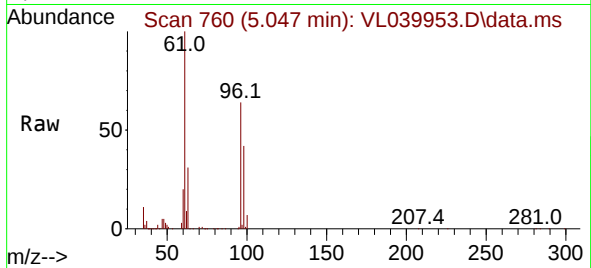
41 99.7 67.8 101.8





#31
cis-1,2-Dichloroethene
Concen: 3.297 ppbv
RT: 5.047 min Scan# 760
Delta R.T. -0.010 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

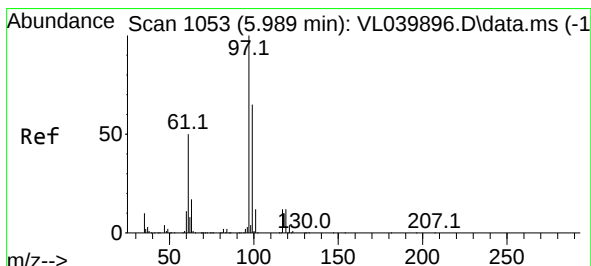
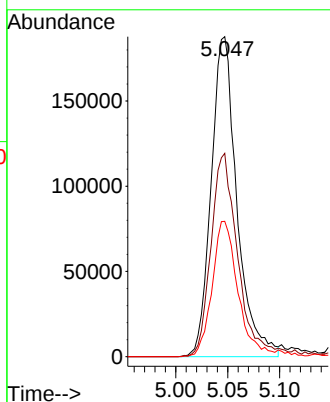
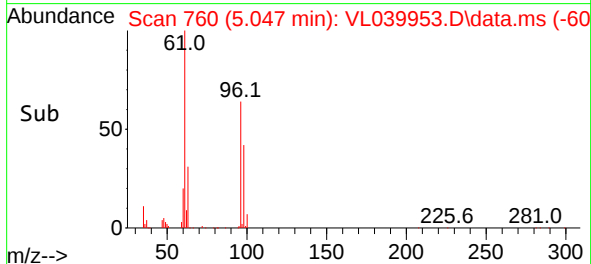
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP



Tgt Ion: 61 Resp: 324238
Ion Ratio Lower Upper
61 100
96 63.6 50.3 75.5
98 42.3 32.2 48.2

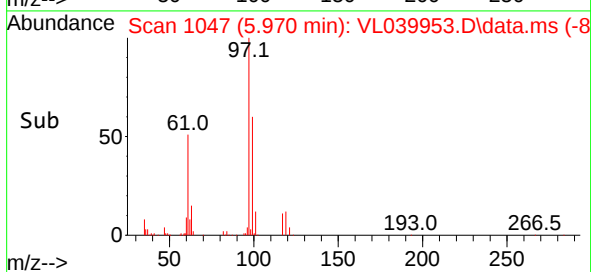
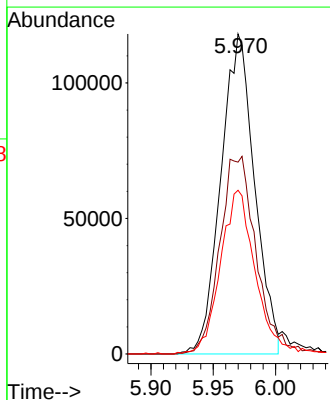
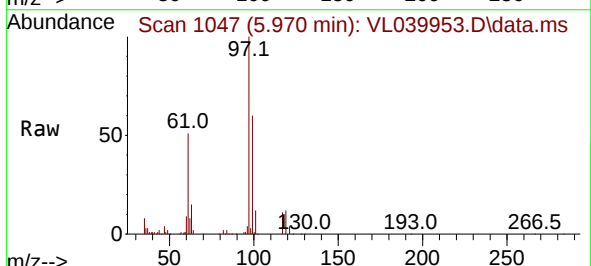
Manual Integrations
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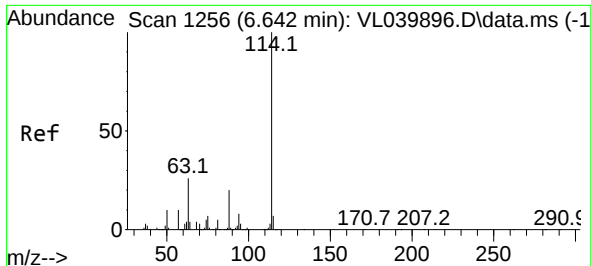
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#32
1,1,1-Trichloroethane
Concen: 1.259 ppbv
RT: 5.970 min Scan# 1047
Delta R.T. -0.013 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 97 Resp: 222430
Ion Ratio Lower Upper
97 100
99 67.4 51.4 77.0
61 53.4 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL039953.D

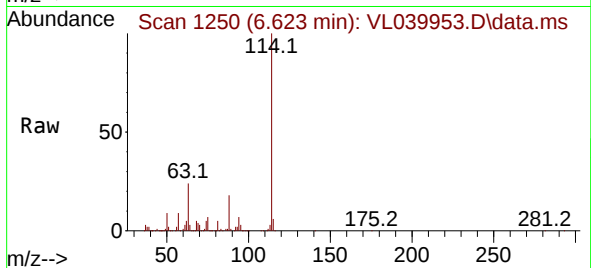
Acq: 1 Dec 2022 22:16

Instrument :

MSVOA_L

ClientSampleId :

H302022-EFFLUENTDUP



Tgt Ion:114 Resp: 285442

Ion Ratio Lower Upper

114 100

63 24.6 21.4 32.0

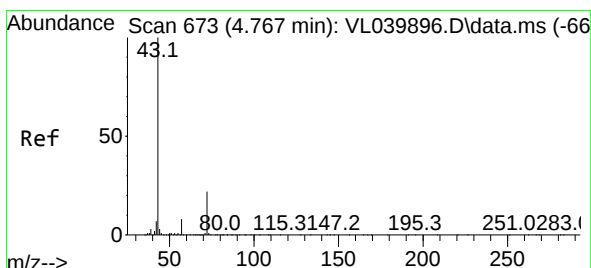
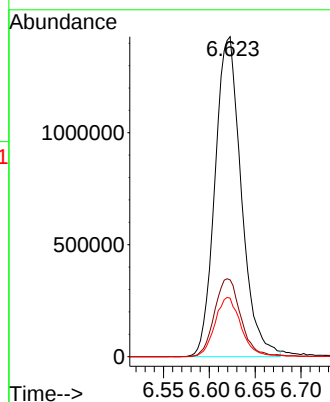
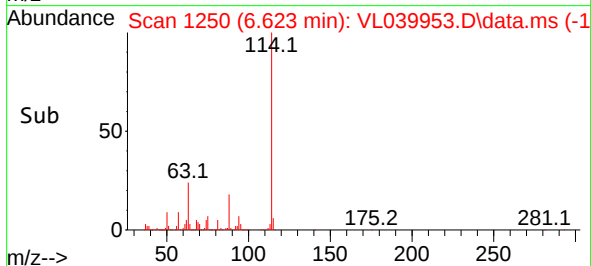
88 18.6 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/05/2022

Supervised By :Mahesh Dadoda 12/05/2022



#34

2-Butanone

Concen: 0.380 ppbv

RT: 4.767 min Scan# 673

Delta R.T. -0.000 min

Lab File: VL039953.D

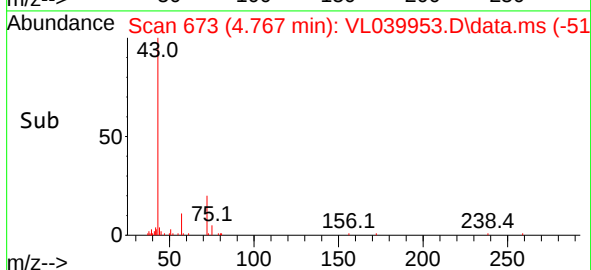
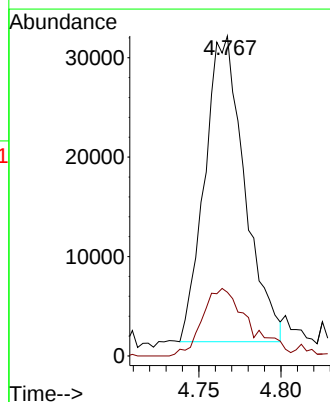
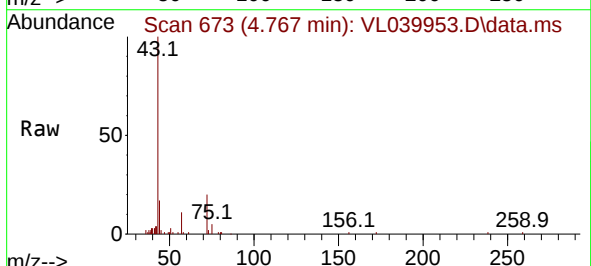
Acq: 1 Dec 2022 22:16

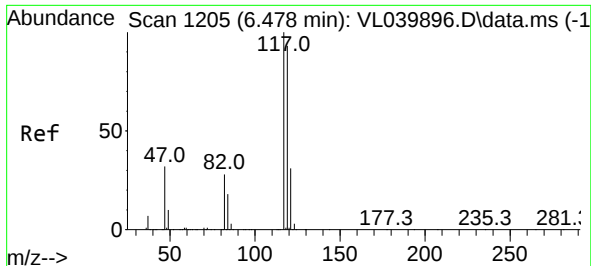
Tgt Ion: 43 Resp: 51860

Ion Ratio Lower Upper

43 100

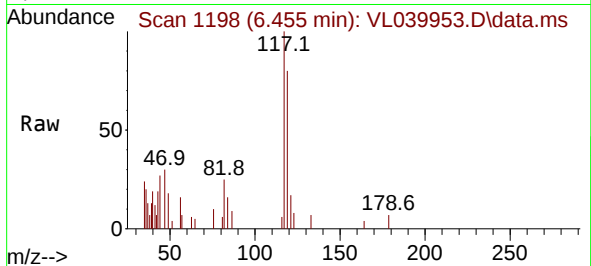
72 28.1 17.4 26.2#





#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 6.455 min Scan# 1198
Delta R.T. -0.023 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

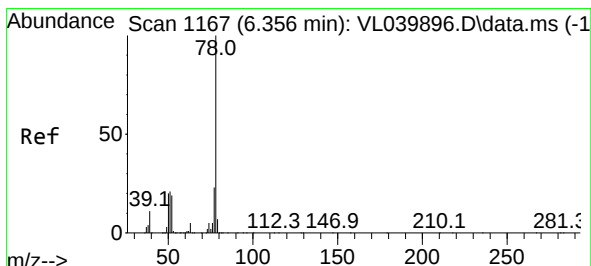
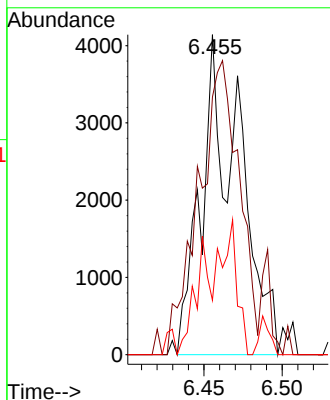
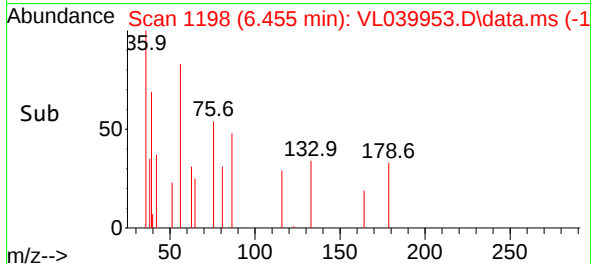
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP



Tgt Ion:117 Resp: 6989
Ion Ratio Lower Upper
117 100
119 80.5 74.7 112.1
121 17.0 24.5 36.7

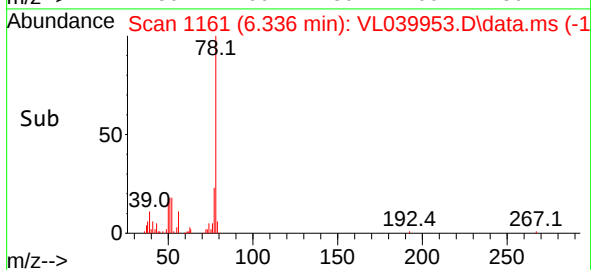
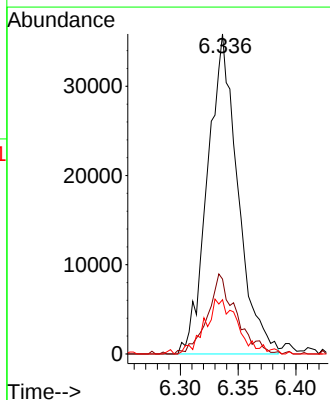
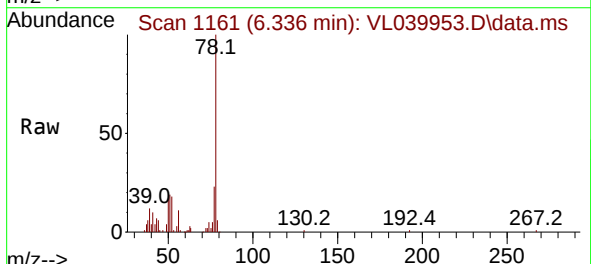
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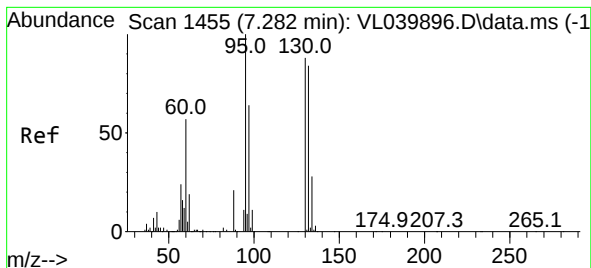
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#36
Benzene
Concen: 0.270 ppbv
RT: 6.336 min Scan# 1161
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

Tgt Ion: 78 Resp: 65465
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2
50 17.0 15.8 23.8





#38

Trichloroethene

Concen: 5.444 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.016 min

Lab File: VL039953.D

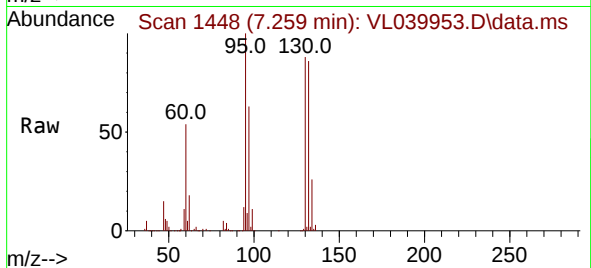
Acq: 1 Dec 2022 22:16

Instrument :

MSVOA_L

ClientSampleId :

H302022-EFFLUENTDUP



Tgt Ion:130 Resp: 738294

Ion Ratio Lower Upper

130 100

95 113.9 90.6 135.8

132 97.8 76.2 114.4

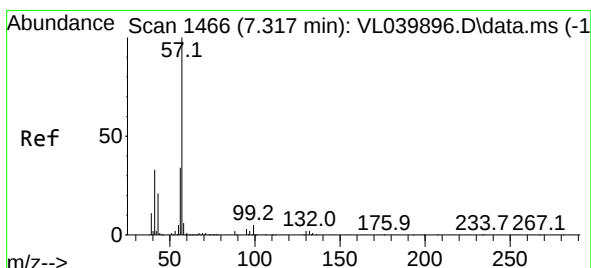
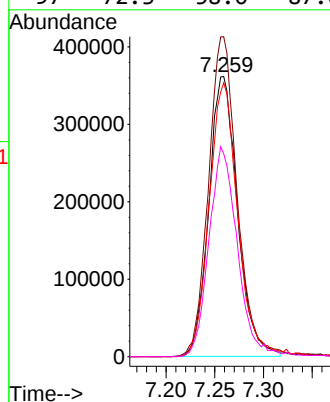
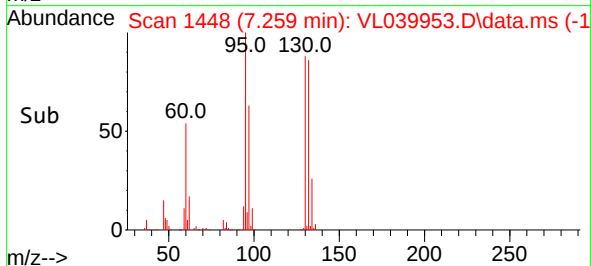
97 72.3 58.0 87.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/05/2022

Supervised By :Mahesh Dadoda 12/05/2022



#44

2,2,4-Trimethylpentane

Concen: 0.160 ppbv m

RT: 7.295 min Scan# 1459

Delta R.T. -0.016 min

Lab File: VL039953.D

Acq: 1 Dec 2022 22:16

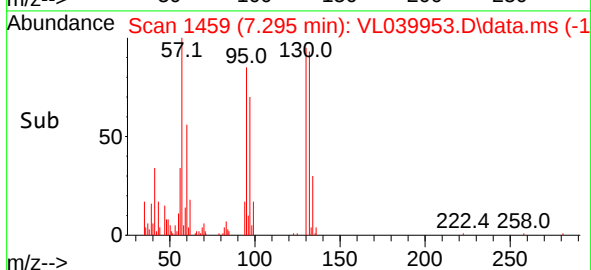
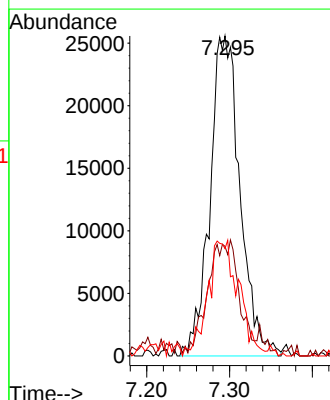
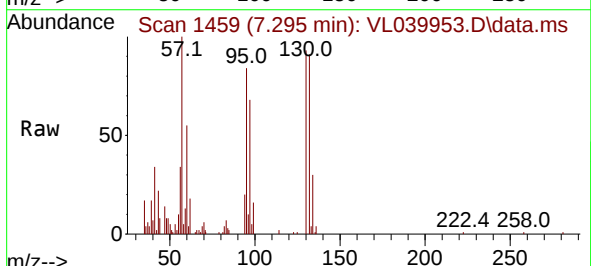
Tgt Ion: 57 Resp: 64752

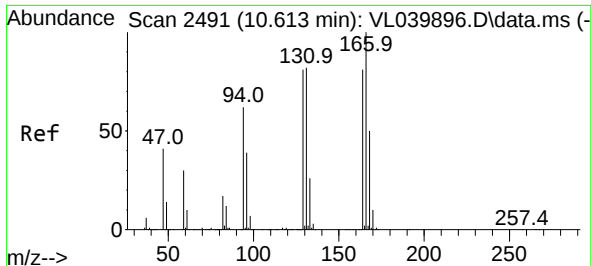
Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.2#

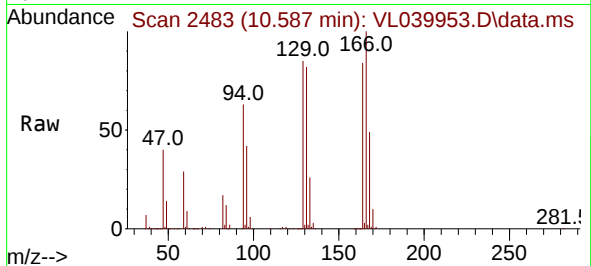
56 0.0 25.5 38.3#





#52
Tetrachloroethene
Concen: 9.089 ppbv
RT: 10.587 min Scan# 2491
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

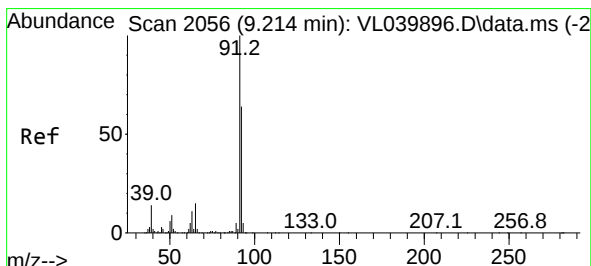
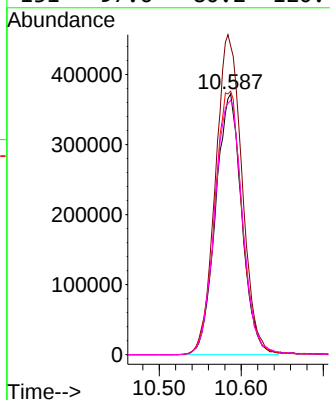
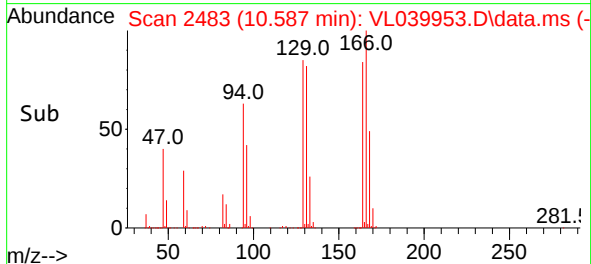
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP



Tgt Ion:164 Resp: 82498
Ion Ratio Lower Upper
164 100
166 118.4 98.3 147.5
129 101.1 79.7 119.5
131 97.6 80.2 120.4

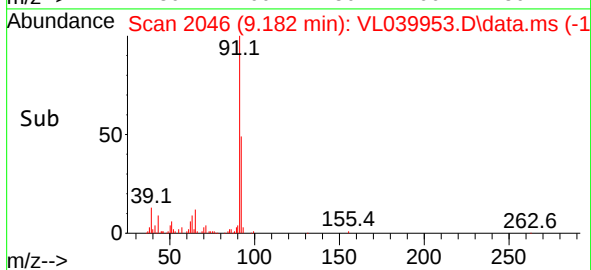
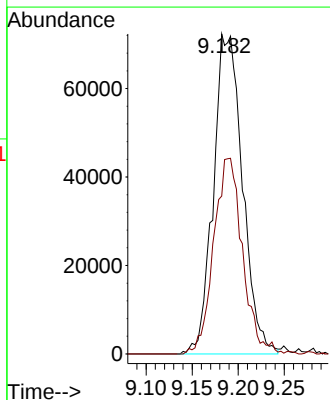
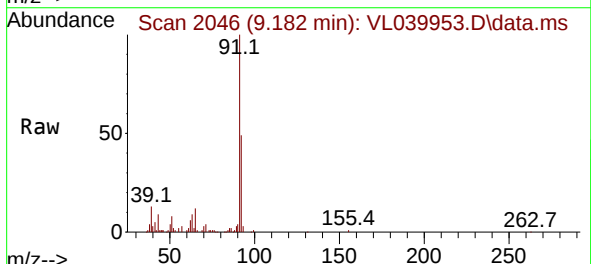
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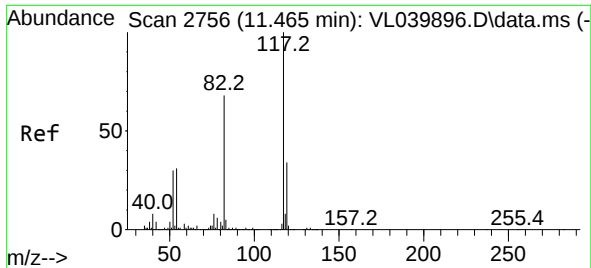
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022



#53
Toluene
Concen: 0.575 ppbv m
RT: 9.182 min Scan# 2046
Delta R.T. -0.023 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

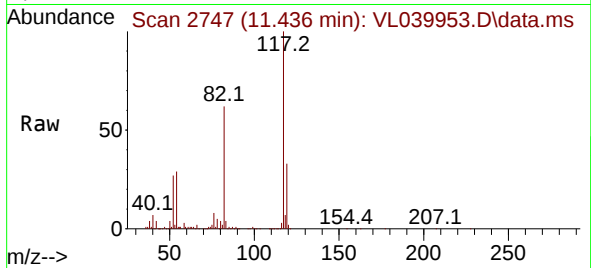
Tgt Ion: 91 Resp: 158879
Ion Ratio Lower Upper
91 100
92 0.0 49.8 74.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16

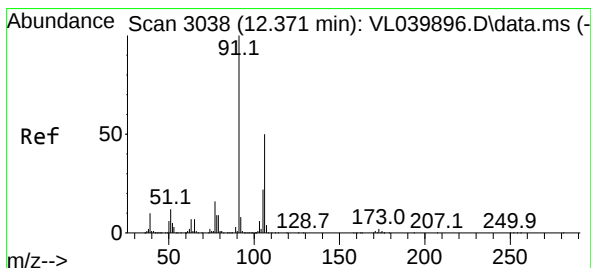
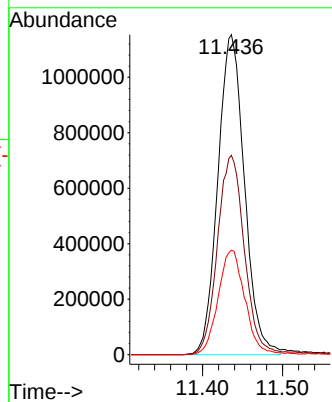
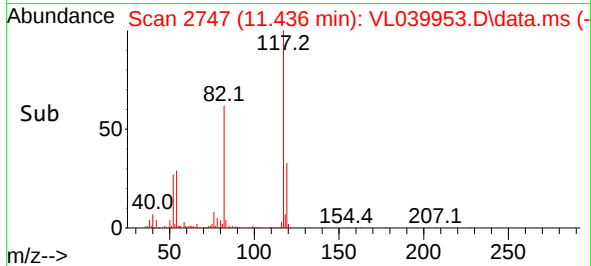
Instrument :
MSVOA_L
ClientSampleId :
H302022-EFFLUENTDUP



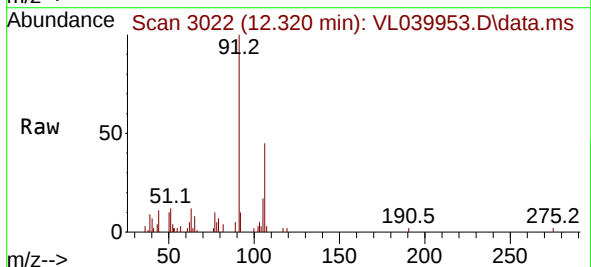
Tgt Ion:117 Resp: 2662140
Ion Ratio Lower Upper
117 100
82 64.1 52.3 78.5
119 33.3 25.7 38.5

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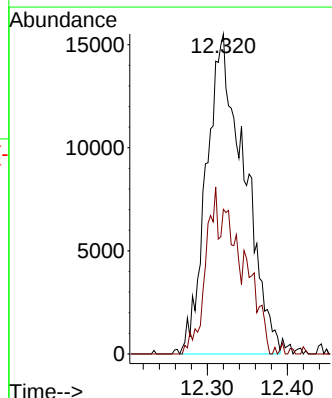
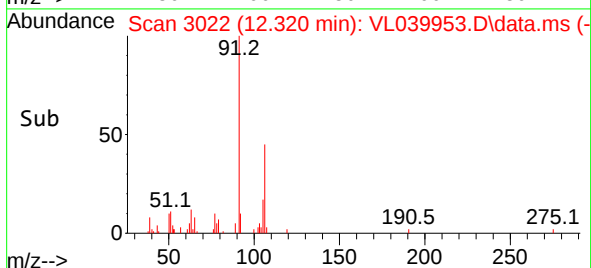
Reviewed By :Semsettin Yesilyurt 12/05/2022
Supervised By :Mahesh Dadoda 12/05/2022

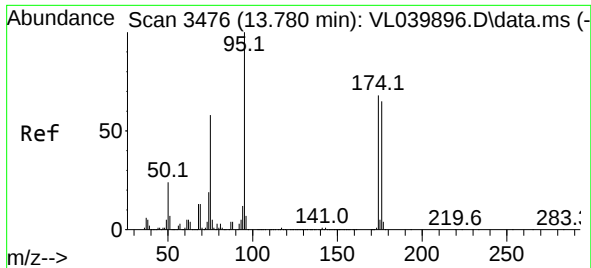


#59
m/p-Xylene
Concen: 0.168 ppbv m
RT: 12.320 min Scan# 3022
Delta R.T. -0.039 min
Lab File: VL039953.D
Acq: 1 Dec 2022 22:16



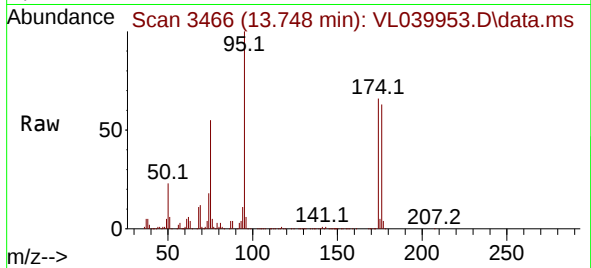
Tgt Ion: 91 Resp: 50776
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.902 ppbv
 RT: 13.748 min Scan# 3476
 Delta R.T. -0.016 min
 Lab File: VL039953.D
 Acq: 1 Dec 2022 22:16

Instrument : MSVOA_L
 ClientSampleId : H302022-EFFLUENTDUP



Tgt Ion: 95 Resp: 201347

Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.7	80.5
175	4.8	4.0	6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/05/2022
 Supervised By :Mahesh Dadoda 12/05/2022

