

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039942.D
 Acq On : 1 Dec 2022 15:05
 Operator : SY/MD
 Sample : N5824-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-1A

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022
 Supervised By :Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:32:36 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 05:29:35 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1033205	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2861146	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2687837	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2156726	10.505	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.100%
Target Compounds						
2) Dichlorodifluoromethane	2.706	85	84020	0.568	ppbv	96
4) Chloromethane	2.790	50	37076	0.407	ppbv #	86
9) Propene	2.681	41	97140m	1.446	ppbv	
10) Heptane	7.558	43	43902m	0.271	ppbv	
11) Trichlorofluoromethane	3.536	101	98232	0.544	ppbv	94
13) Ethanol	3.227	45	12211332	2381.550	ppbv	92
15) Acetone	3.439	43	3435484	25.069	ppbv	100
17) tert-Butyl alcohol	3.877	59	59691m	0.379	ppbv	
19) Isopropyl Alcohol	3.565	45	9033521	121.746	ppbv #	30
20) Methylene Chloride	3.909	84	513734	7.738	ppbv	94
26) Hexane	5.185	57	923153	8.399	ppbv #	60
30) Cyclohexane	6.578	84	24836m	0.230	ppbv	
34) 2-Butanone	4.767	43	57517m	0.420	ppbv	
35) Carbon Tetrachloride	6.478	117	13125m	0.081	ppbv	
36) Benzene	6.349	78	96269m	0.396	ppbv	
52) Tetrachloroethene	10.587	164	16872m	0.185	ppbv	
53) Toluene	9.198	91	832968	3.007	ppbv	99
59) m/p-Xylene	12.320	91	57757m	0.189	ppbv	

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

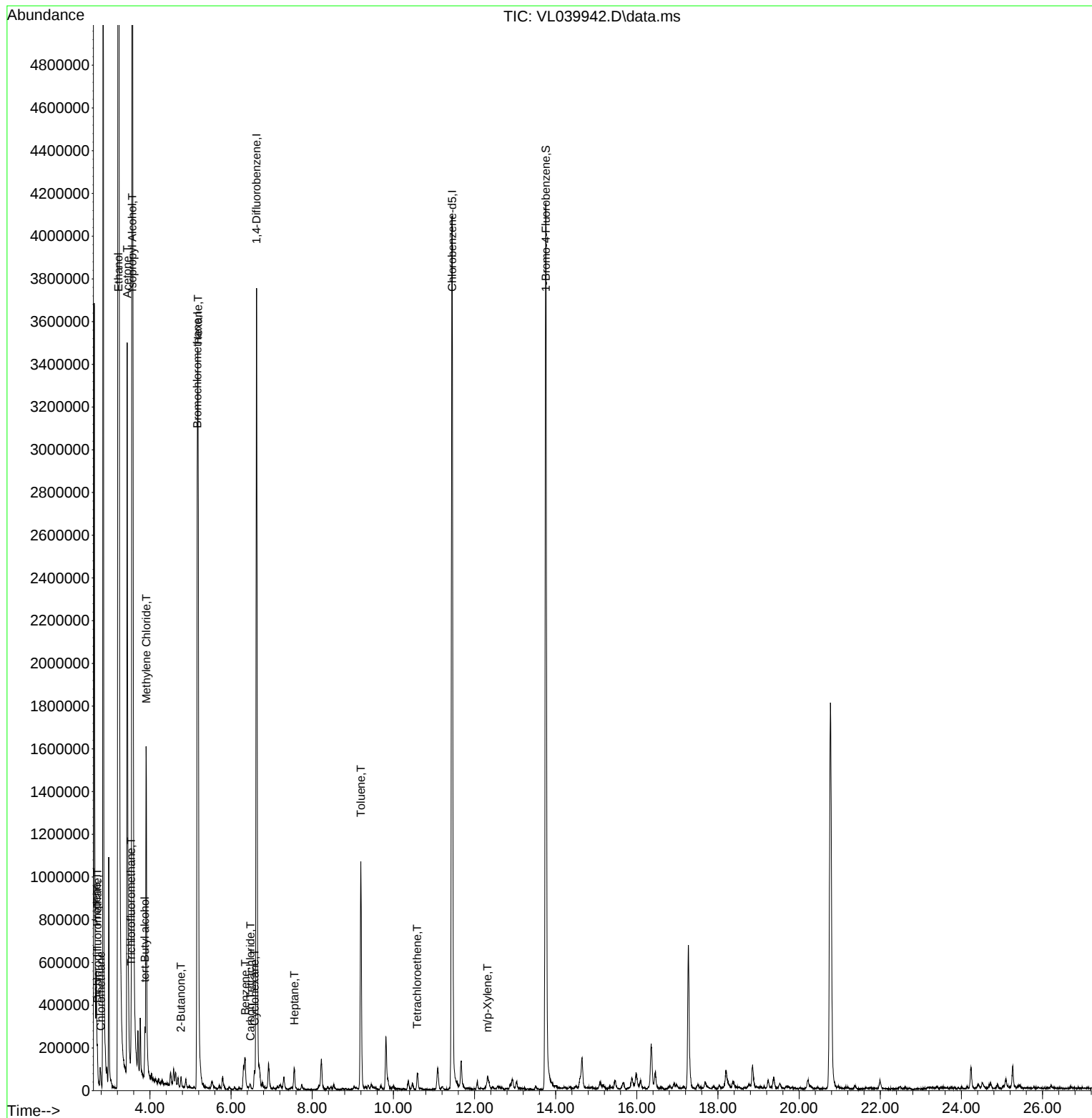
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
Data File : VL039942.D
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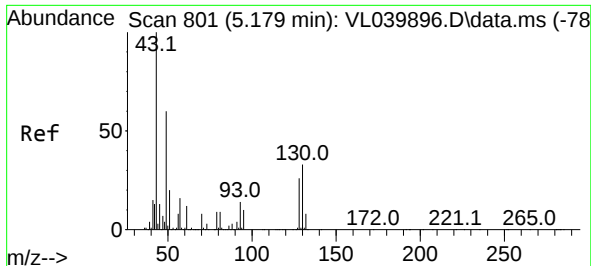
Instrument :
MSVOA_L
ClientSampleId :
TPC-1A

Quant Time: Dec 02 05:32:36 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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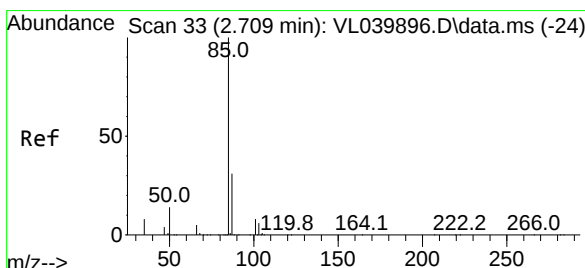
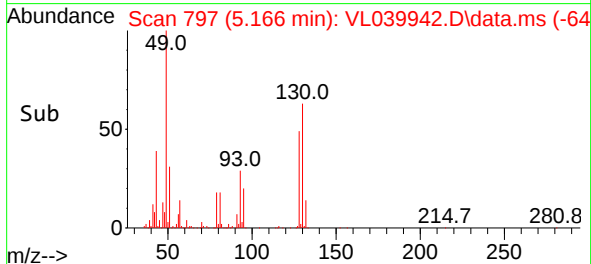
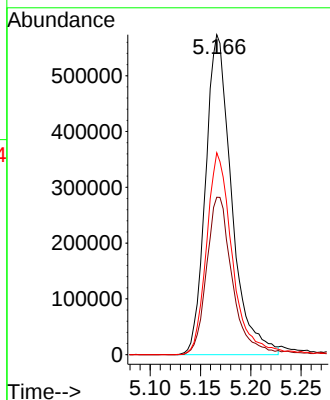
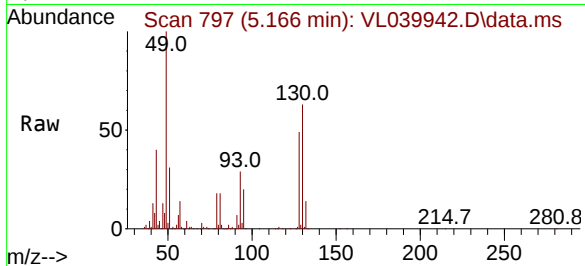
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Instrument :
MSVOA_L
ClientSampleId :
TPC-1A

Tgt Ion: 49 Resp: 103320
Ion Ratio Lower Upper
49 100
128 49.9 22.1 66.3
130 63.7 27.7 83.1

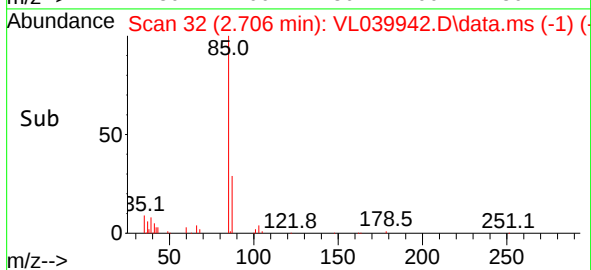
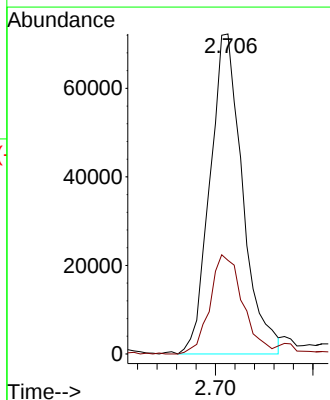
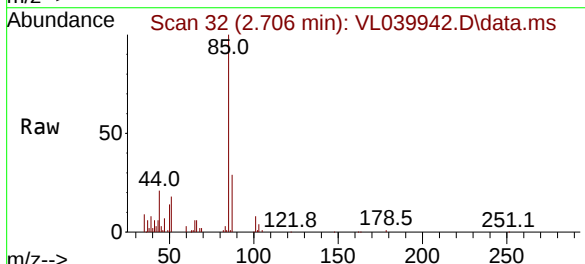
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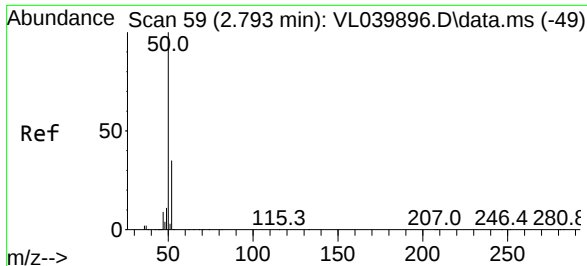
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#2
Dichlorodifluoromethane
Concen: 0.568 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Tgt Ion: 85 Resp: 84020
Ion Ratio Lower Upper
85 100
87 29.2 25.0 37.4





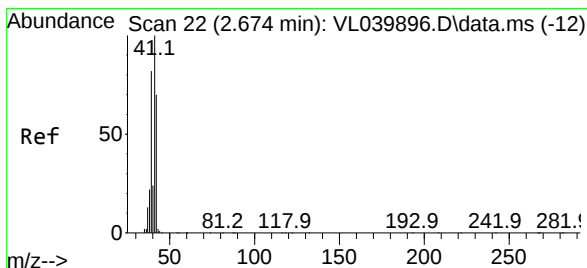
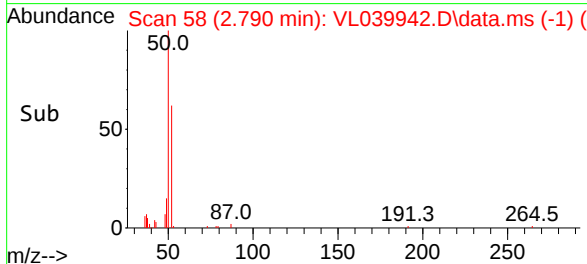
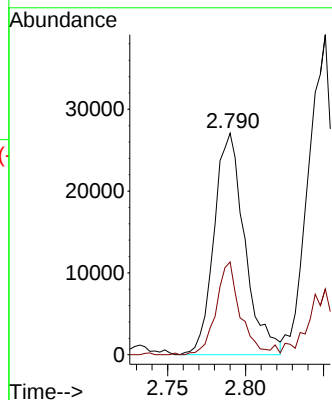
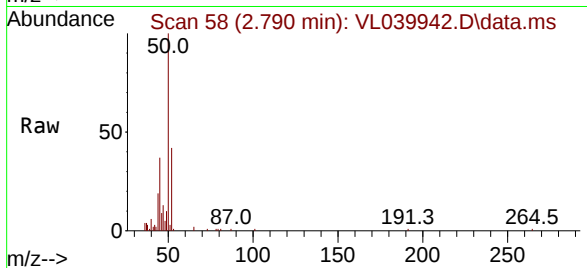
#4
Chloromethane
Concen: 0.407 ppbv
RT: 2.790 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Instrument :
MSVOA_L
ClientSampleId :
TPC-1A

Tgt Ion: 50 Resp: 37070
Ion Ratio Lower Upper
50 100
52 42.8 27.8 41.8

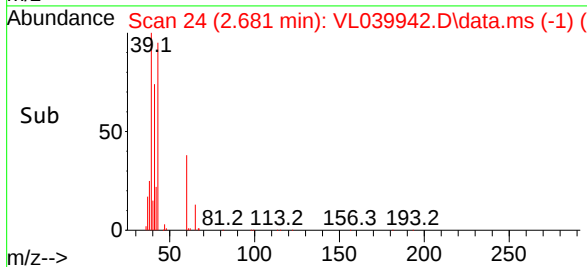
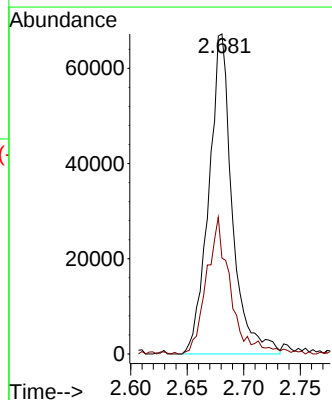
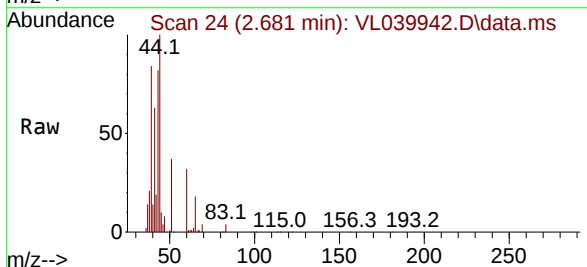
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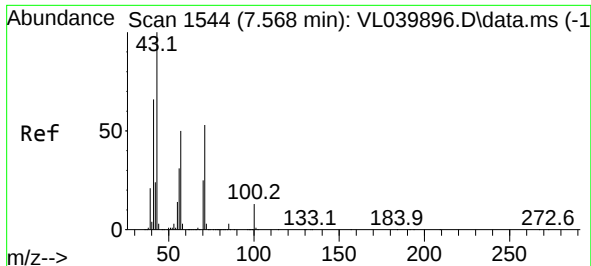
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#9
Propene
Concen: 1.446 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

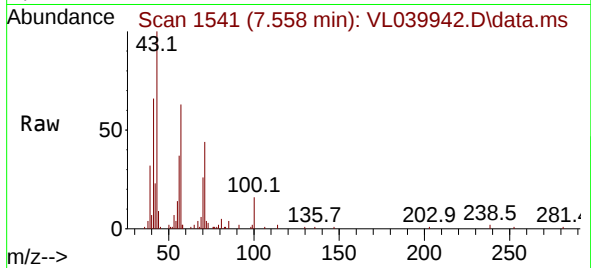
Tgt Ion: 41 Resp: 97140
Ion Ratio Lower Upper
41 100
42 1289.8 55.8 83.6





#10
Heptane
Concen: 0.271 ppbv m
RT: 7.558 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

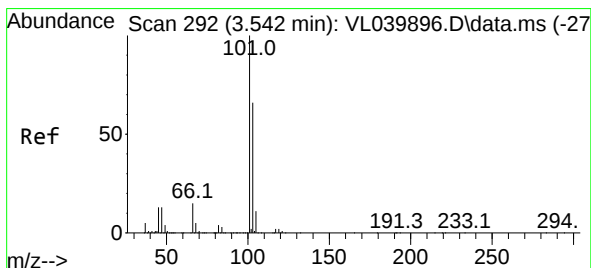
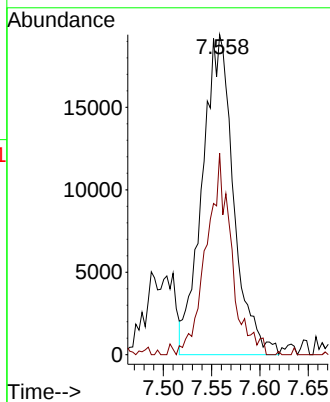
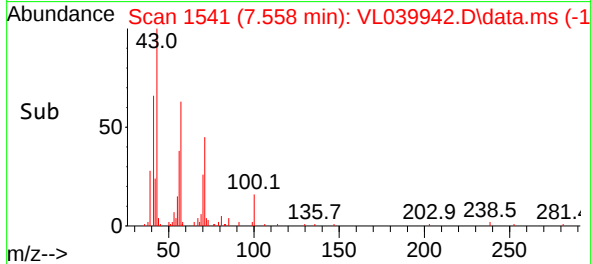
Instrument :
MSVOA_L
ClientSampleId :
TPC-1A



Tgt Ion: 43 Resp: 43902
Ion Ratio Lower Upper
43 100
57 0.0 40.7 61.1

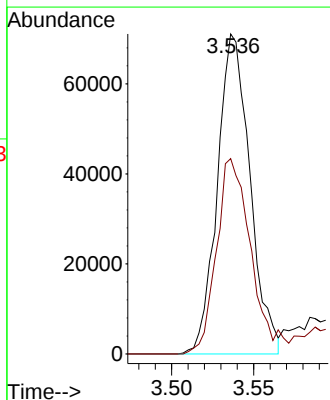
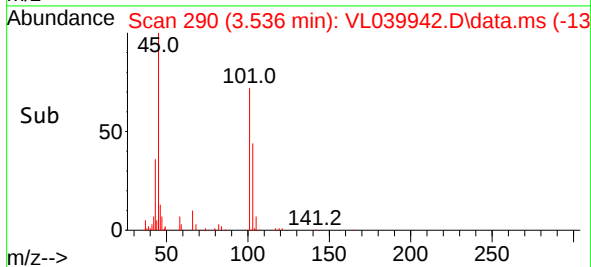
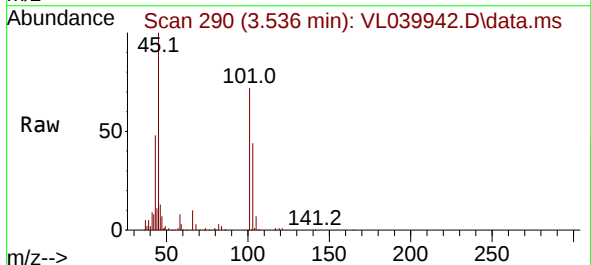
Manual Integrations
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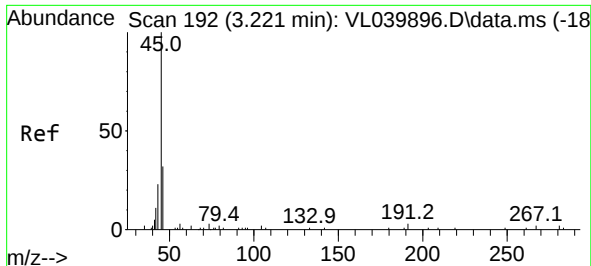
Reviewed By :Semsettin Yesilyurt 12/02/2022
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#11
Trichlorofluoromethane
Concen: 0.544 ppbv
RT: 3.536 min Scan# 290
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

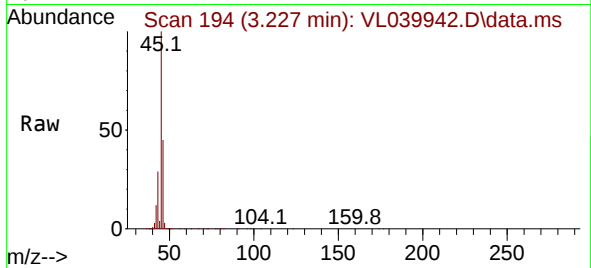
Tgt Ion:101 Resp: 98232
Ion Ratio Lower Upper
101 100
103 61.1 52.6 78.8





#13
Ethanol
Concen: 2381.550 ppbv
RT: 3.227 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

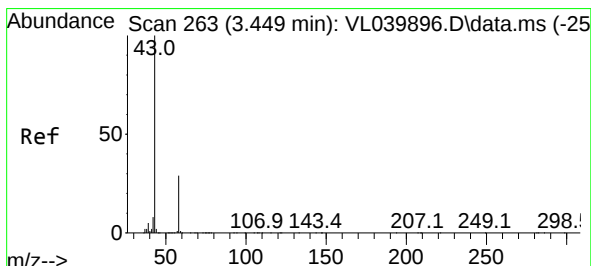
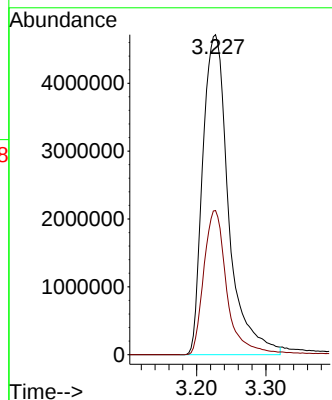
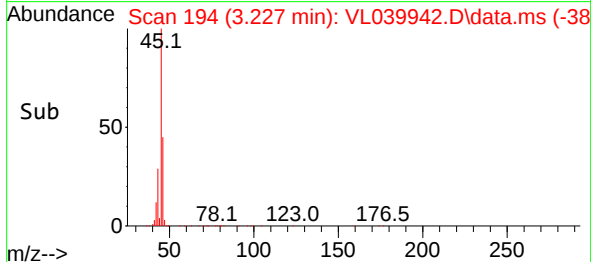
Instrument :
MSVOA_L
ClientSampleId :
TPC-1A



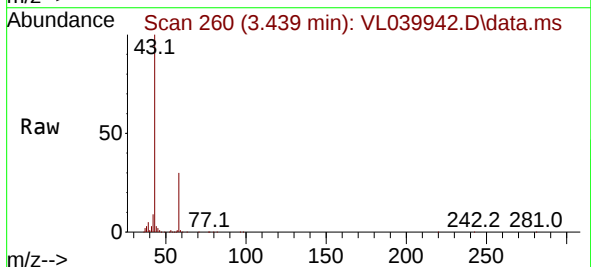
Tgt Ion: 45 Resp:1221133
Ion Ratio Lower Upper
45 100
46 41.2 14.6 58.2

Manual Integrations
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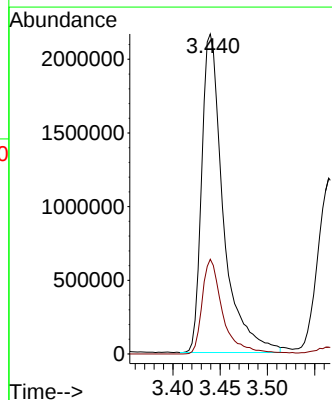
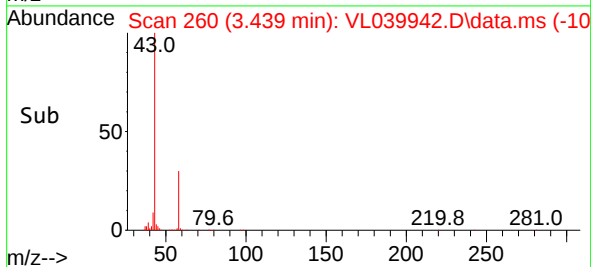
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

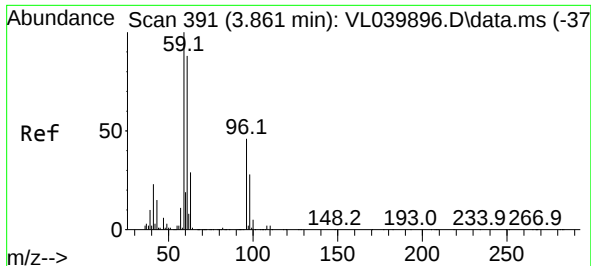


#15
Acetone
Concen: 25.069 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05



Tgt Ion: 43 Resp: 3435484
Ion Ratio Lower Upper
43 100
58 28.5 22.9 34.3





#17

tert-Butyl alcohol

Concen: 0.379 ppbv m

RT: 3.877 min Scan# 391

Delta R.T. 0.019 min

Lab File: VL039942.D

Acq: 1 Dec 2022 15:05

Instrument :

MSVOA_L

ClientSampleId :

TPC-1A

Tgt Ion: 59 Resp: 5969

Ion Ratio Lower Upper

59 100

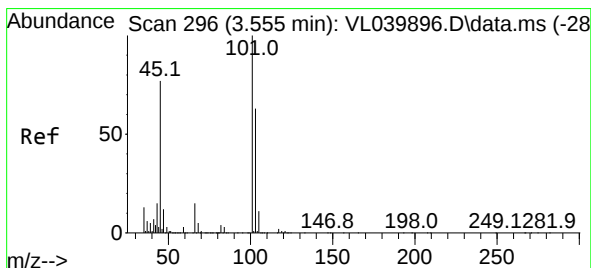
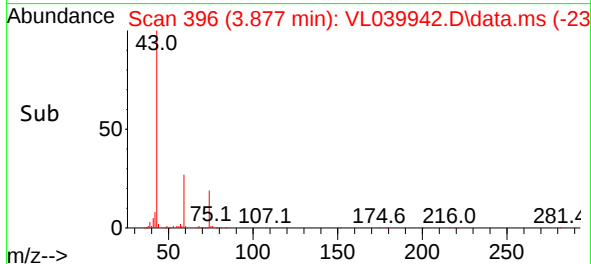
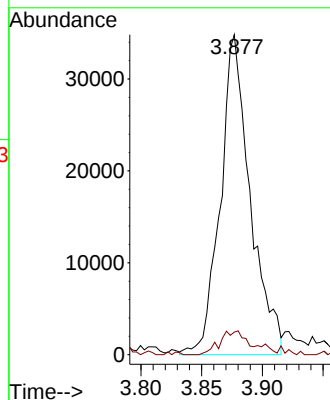
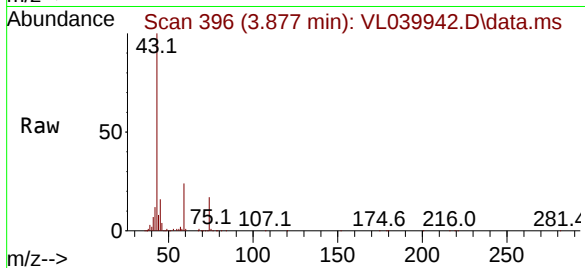
57 8.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2022

Supervised By :Mahesh Dadoda 12/05/2022



#19

Isopropyl Alcohol

Concen: 121.746 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.010 min

Lab File: VL039942.D

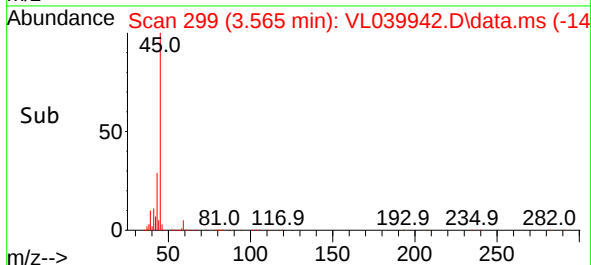
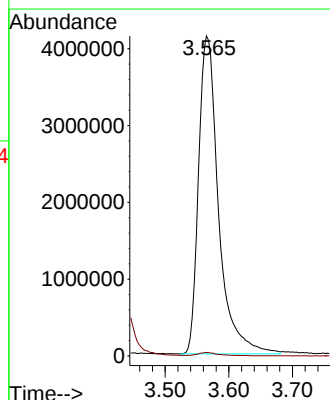
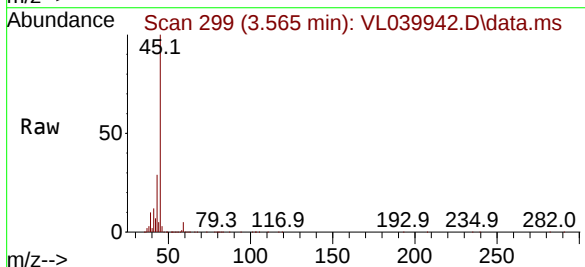
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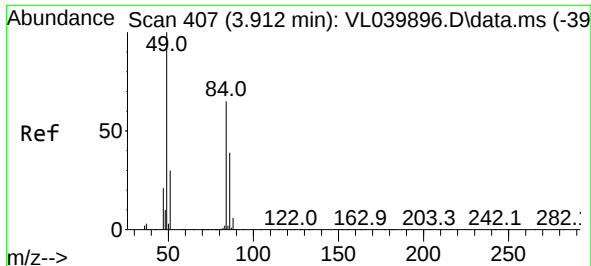
Tgt Ion: 45 Resp: 9033521

Ion Ratio Lower Upper

45 100

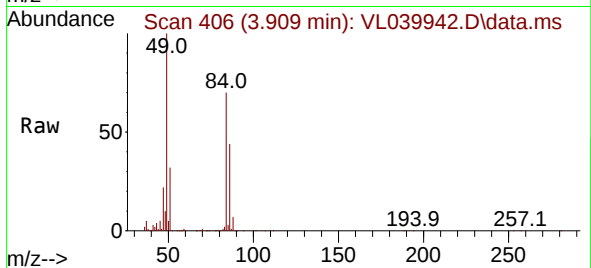
58 1.2 38.7 58.1#





#20
Methylene Chloride
Concen: 7.738 ppbv
RT: 3.909 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

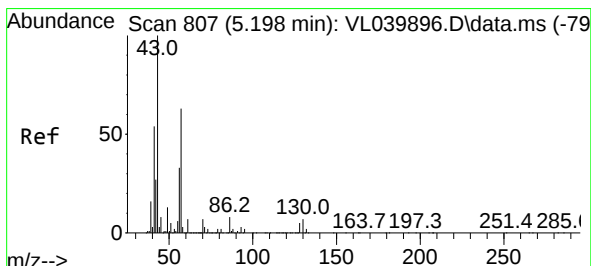
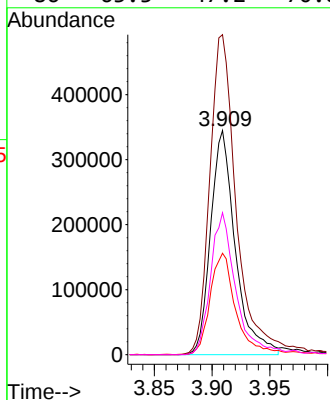
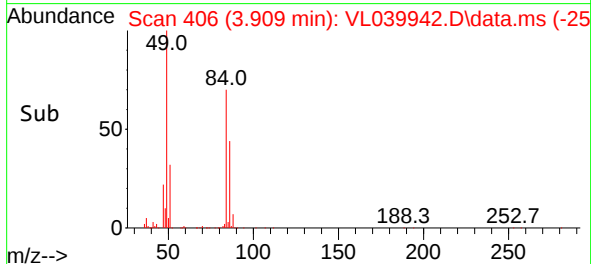
Instrument :
MSVOA_L
ClientSampleId :
TPC-1A



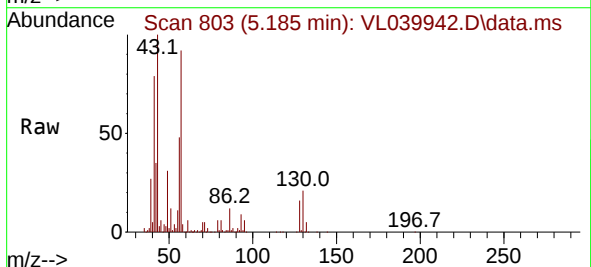
Tgt Ion: 84 Resp: 513734
Ion Ratio Lower Upper
84 100
49 142.8 122.2 183.4
51 45.2 36.3 54.5
86 63.3 47.2 70.8

Manual Integrations
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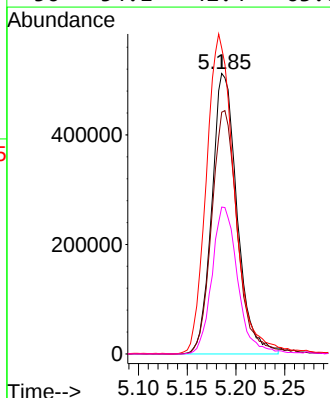
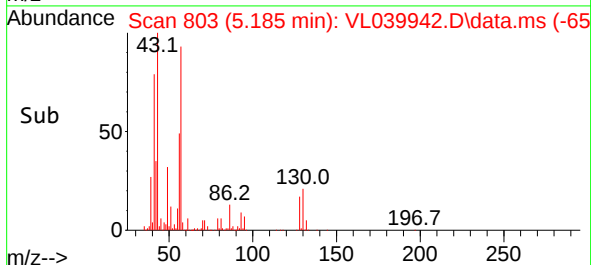
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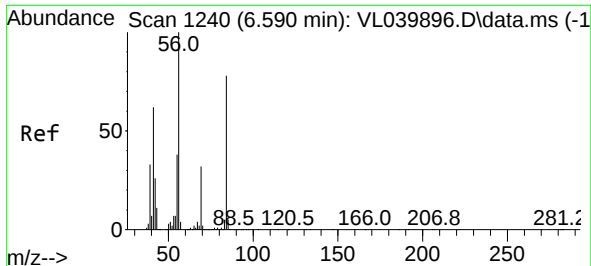


#26
Hexane
Concen: 8.399 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05



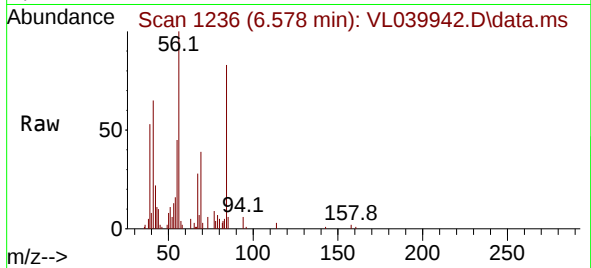
Tgt Ion: 57 Resp: 923153
Ion Ratio Lower Upper
57 100
41 89.9 72.3 108.5
43 128.2 188.7 283.1#
56 54.1 42.4 63.6





#30
Cyclohexane
Concen: 0.230 ppbv m
RT: 6.578 min Scan# 1236
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

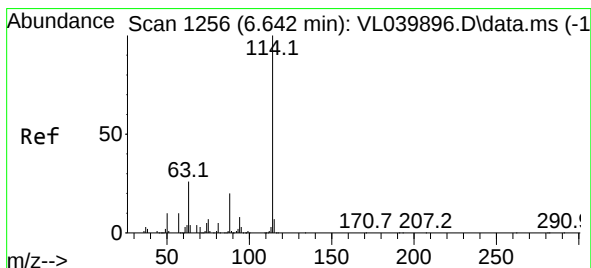
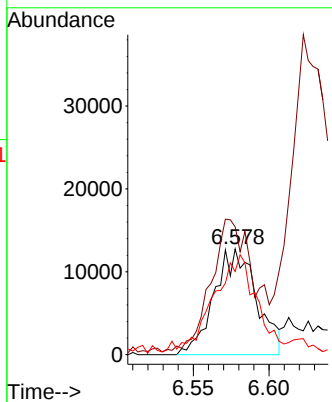
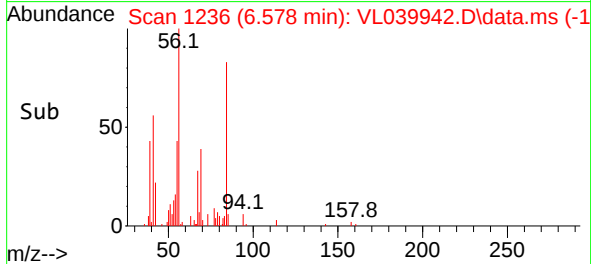
Instrument :
MSVOA_L
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TPC-1A



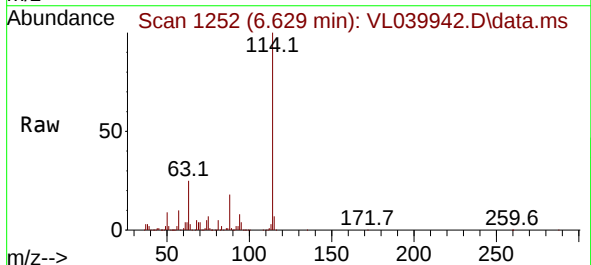
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Ion Ratio Lower Upper
84 100
56 0.0 112.5 168.7
41 0.0 67.8 101.8

Manual Integrations
APPROVED

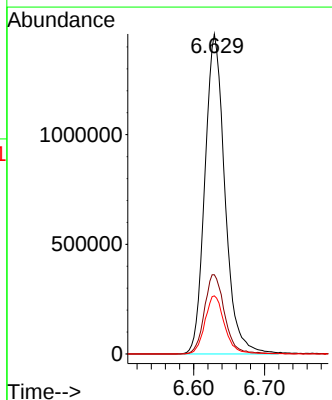
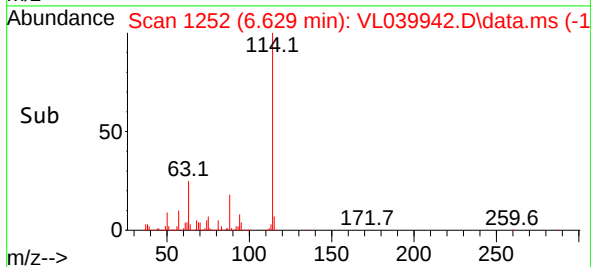
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

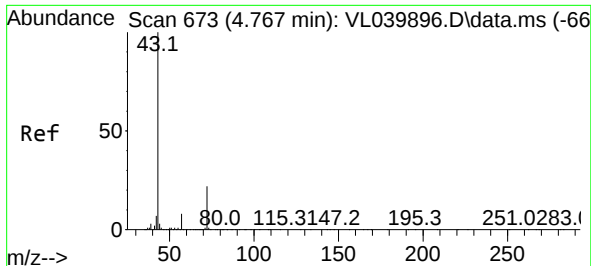


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05



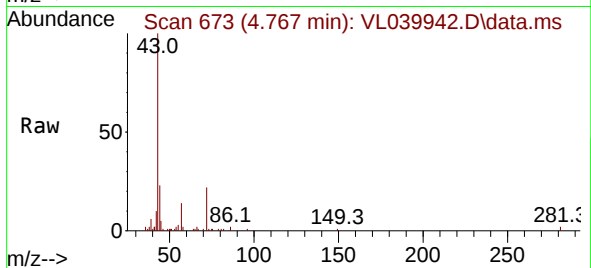
Tgt Ion:114 Resp: 2861146
Ion Ratio Lower Upper
114 100
63 25.2 21.4 32.0
88 18.0 15.3 22.9





#34
2-Butanone
Concen: 0.420 ppbv m
RT: 4.767 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

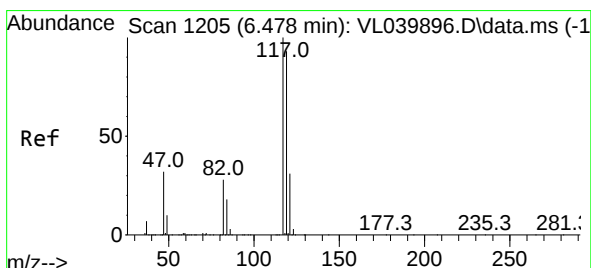
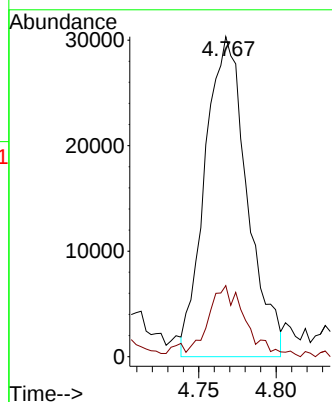
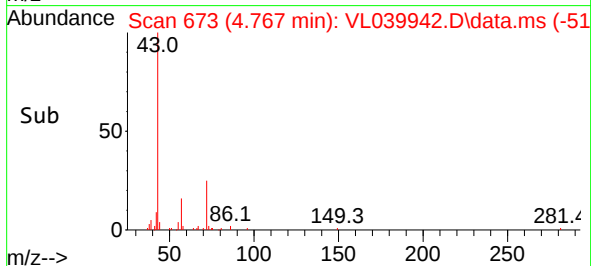
Instrument :
MSVOA_L
ClientSampleId :
TPC-1A



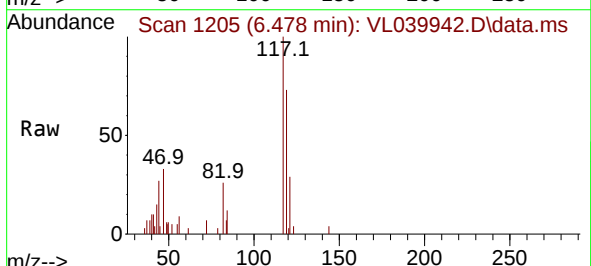
Tgt Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
72 21.0 17.4 26.2

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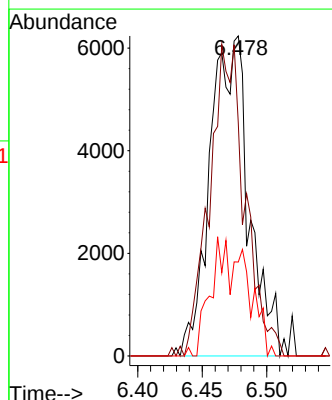
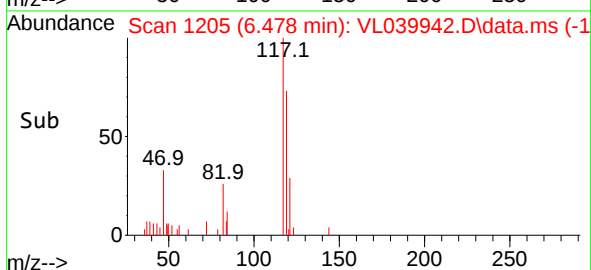
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022

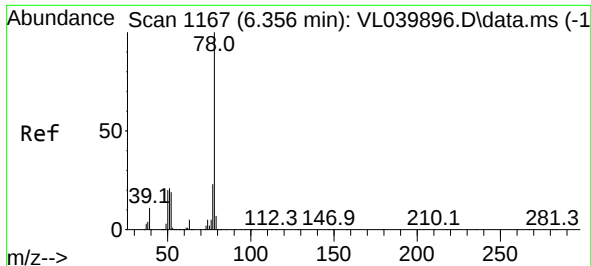


#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 6.478 min Scan# 1205
Delta R.T. 0.000 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05



Tgt Ion:117 Resp: 13125
Ion Ratio Lower Upper
117 100
119 72.9 74.7 112.1#
121 29.4 24.5 36.7





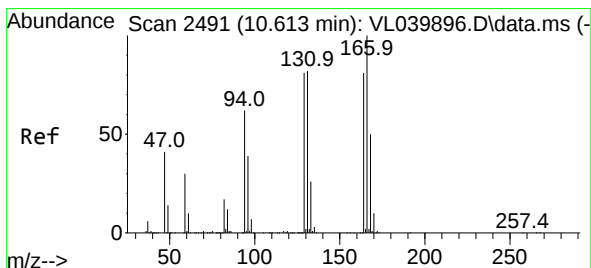
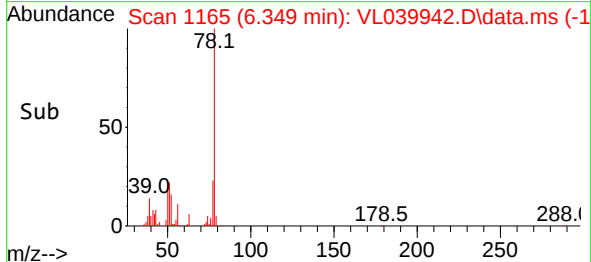
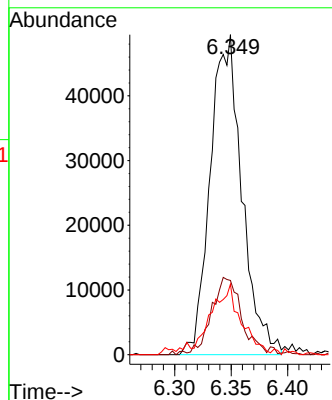
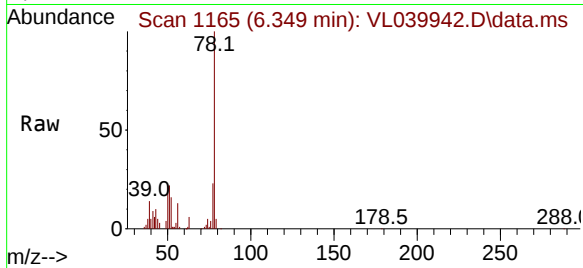
#36
Benzene
Concen: 0.396 ppbv m
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Instrument :
MSVOA_L
ClientSampleId :
TPC-1A

Tgt Ion: 78 Resp: 96269
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2
50 22.0 15.8 23.8

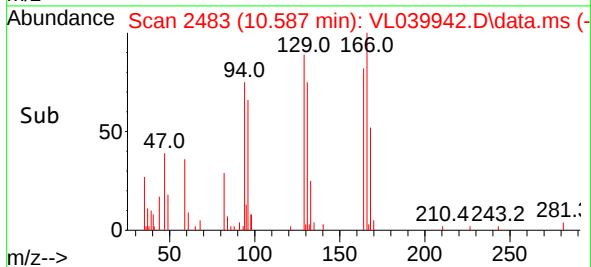
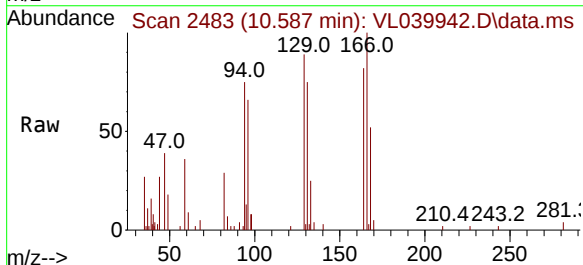
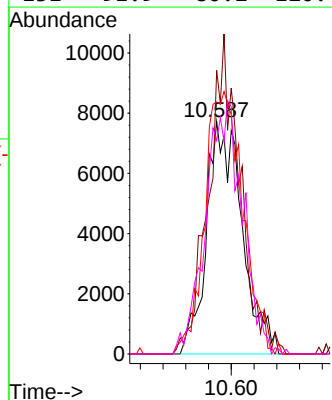
Manual Integrations
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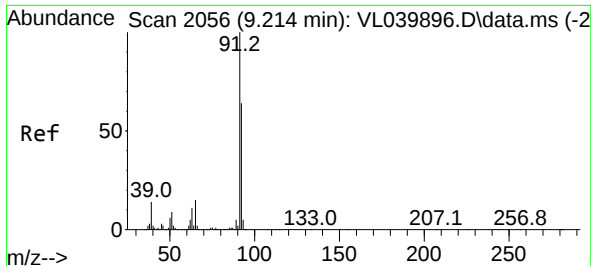
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#52
Tetrachloroethene
Concen: 0.185 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. -0.016 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Tgt Ion:164 Resp: 16872
Ion Ratio Lower Upper
164 100
166 122.0 98.3 147.5
129 108.4 79.7 119.5
131 91.9 80.2 120.4





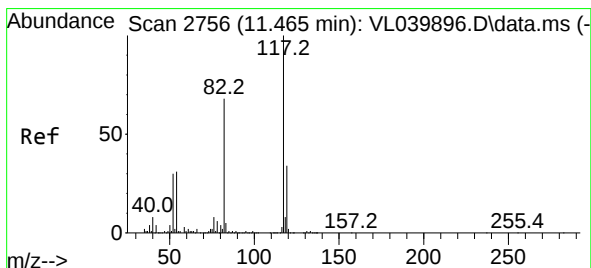
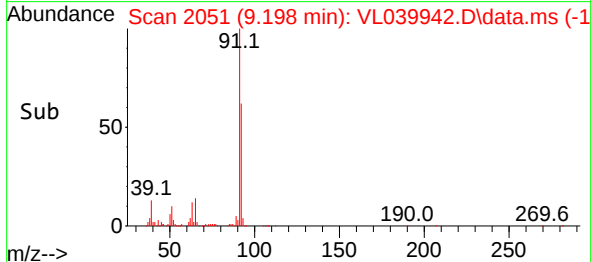
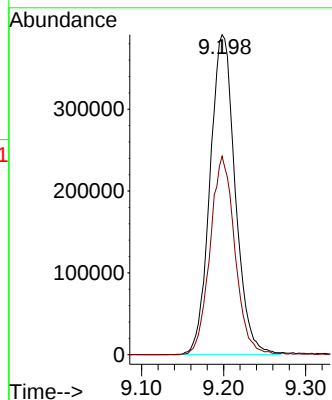
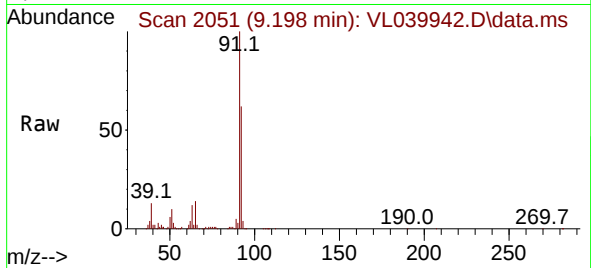
#53
Toluene
Concen: 3.007 ppbv
RT: 9.198 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Instrument :
MSVOA_L
ClientSampleId :
TPC-1A

Tgt Ion: 91 Resp: 832968
Ion Ratio Lower Upper
91 100
92 61.5 49.8 74.6

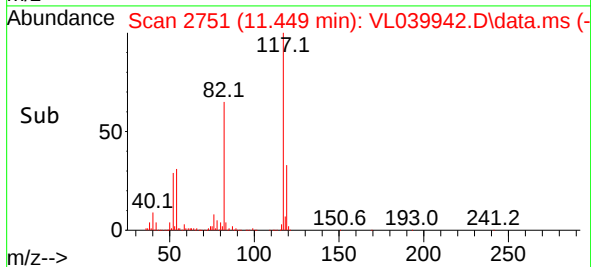
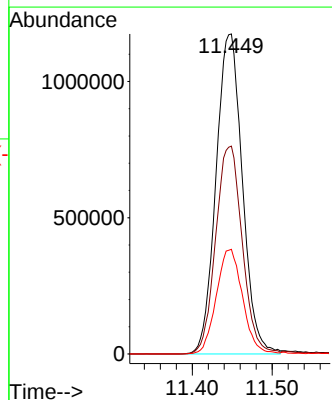
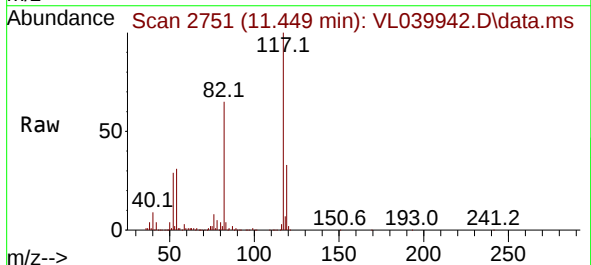
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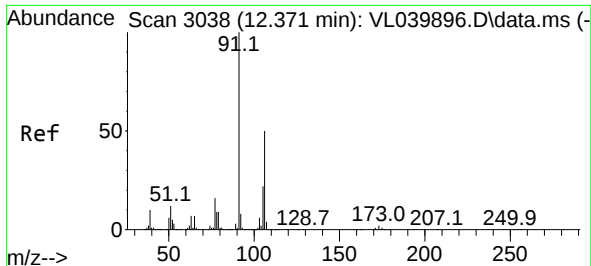
Reviewed By :Semsettin Yesilyurt 12/02/2022
Supervised By :Mahesh Dadoda 12/05/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.003 min
Lab File: VL039942.D
Acq: 1 Dec 2022 15:05

Tgt Ion:117 Resp: 2687837
Ion Ratio Lower Upper
117 100
82 66.1 52.3 78.5
119 32.8 25.7 38.5





#59

m/p-Xylene

Concen: 0.189 ppbv m

RT: 12.320 min Scan# 3038

Delta R.T. -0.039 min

Lab File: VL039942.D

Acq: 1 Dec 2022 15:05

Instrument :

MSVOA_L

ClientSampleId :

TPC-1A

Tgt Ion: 91 Resp: 5775

Ion Ratio Lower Upper

91 100

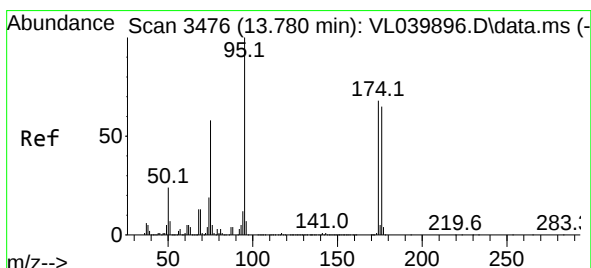
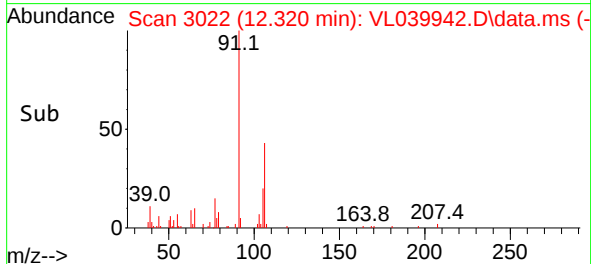
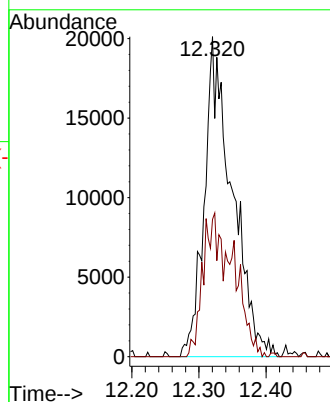
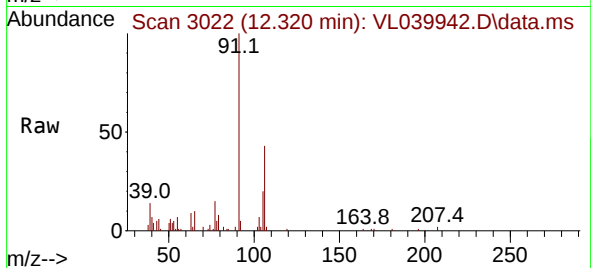
106 0.0 37.0 55.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/02/2022

Supervised By :Mahesh Dadoda 12/05/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.505 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. -0.006 min

Lab File: VL039942.D

Acq: 1 Dec 2022 15:05

Tgt Ion: 95 Resp: 2156726

Ion Ratio Lower Upper

95 100

174 61.5 53.7 80.5

175 4.3 4.0 6.0

