

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040034.D
 Acq On : 19 Dec 2022 18:52
 Operator : SY/MD
 Sample : N6059-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 05:14:41 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1023738	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2774583	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2367747	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1775048	9.814	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	50918	0.266	ppbv	95
3) Chlorodifluoromethane	2.655	51	40260	0.267	ppbv #	90
4) Chloromethane	2.790	50	32942	0.348	ppbv	91
9) Propene	2.681	41	30464	0.475	ppbv #	80
11) Trichlorofluoromethane	3.539	101	35424	0.170	ppbv	99
13) Ethanol	3.221	45	151368	25.090	ppbv	96
15) Acetone	3.452	43	219427	1.386	ppbv	95
19) Isopropyl Alcohol	3.562	45	346808	4.444	ppbv #	97
20) Methylene Chloride	3.912	84	169063	2.511	ppbv	98
26) Hexane	5.195	57	105992	0.920	ppbv #	42
34) 2-Butanone	4.777	43	19123m	0.127	ppbv	
35) Carbon Tetrachloride	6.472	117	9726m	0.056	ppbv	
36) Benzene	6.346	78	42778m	0.173	ppbv	
53) Toluene	9.198	91	61836	0.225	ppbv	96

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

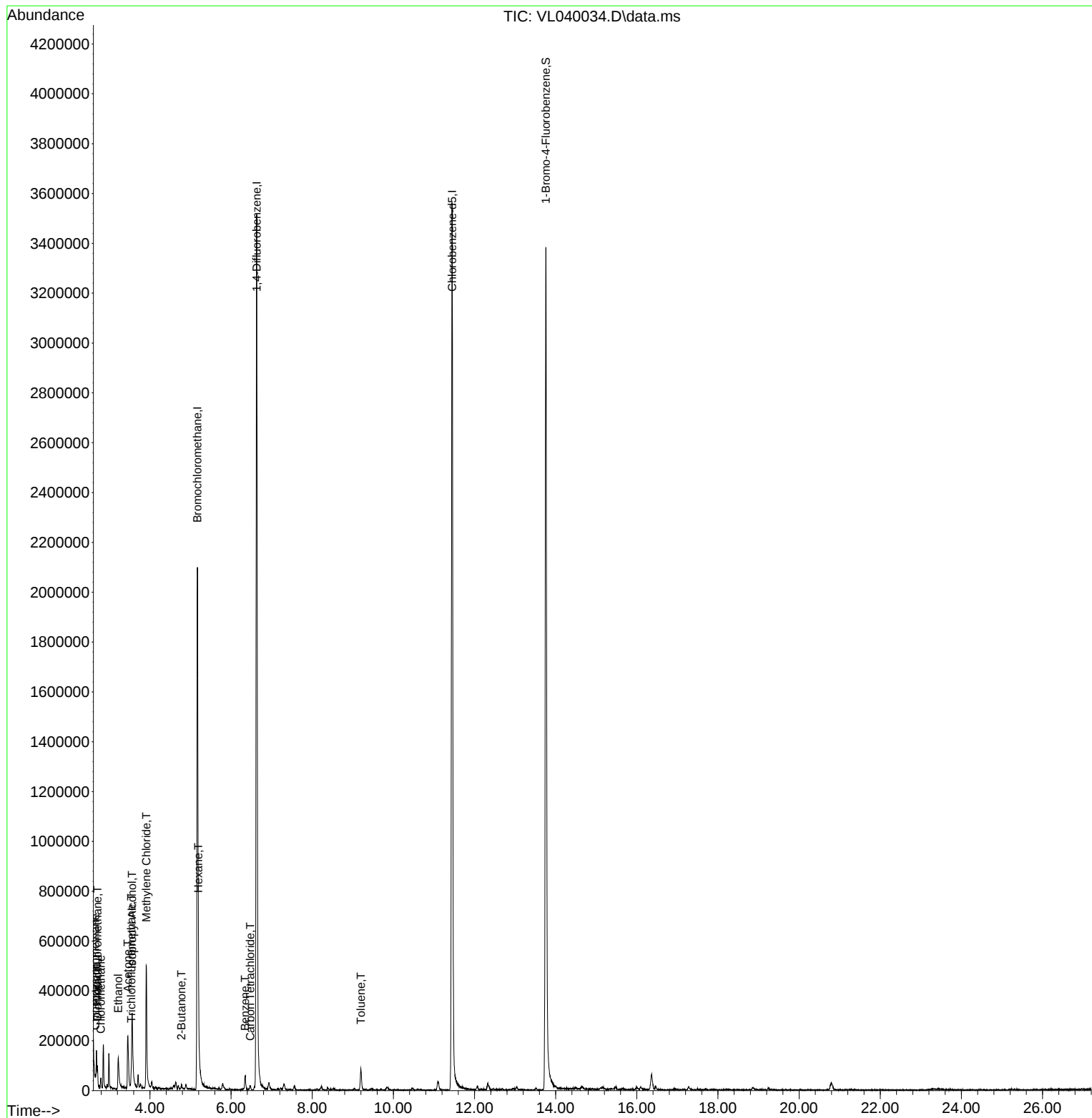
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
Data File : VL040034.D
Acq On : 19 Dec 2022 18:52
Operator : SY/MD
Sample : N6059-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

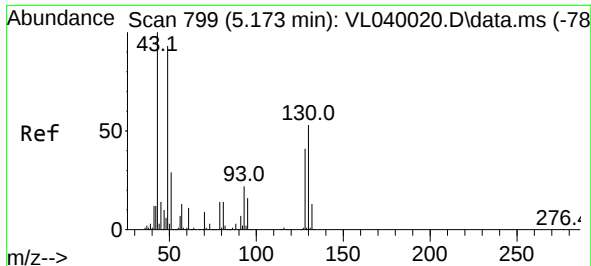
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Dec 20 05:14:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

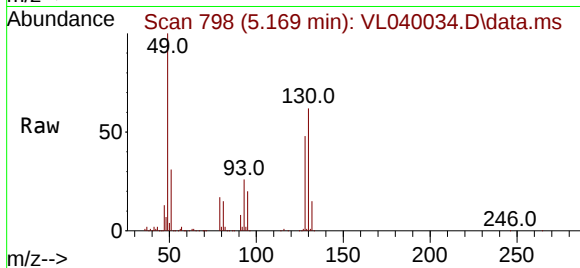
Reviewed By : Semsettin Yesilyurt 12/20/2022
Supervised By : Mahesh Dadoda 12/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

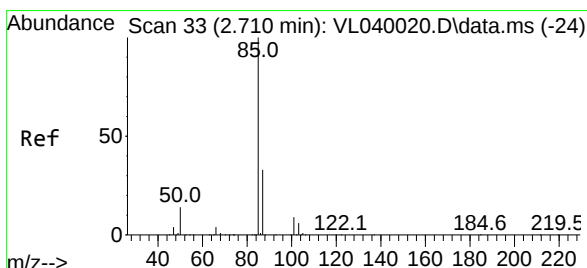
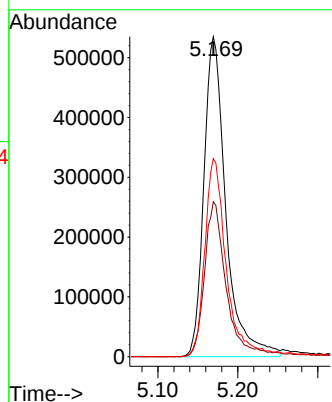
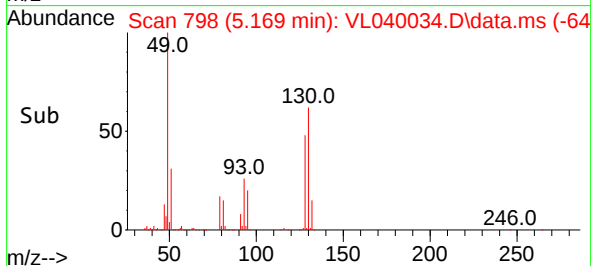
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1023738
Ion Ratio Lower Upper
49 100
128 49.2 22.4 67.3
130 62.5 28.9 86.8

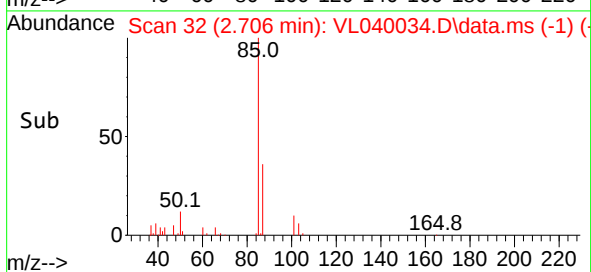
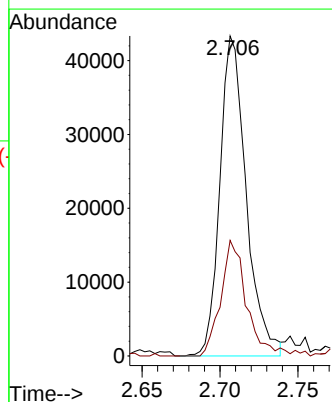
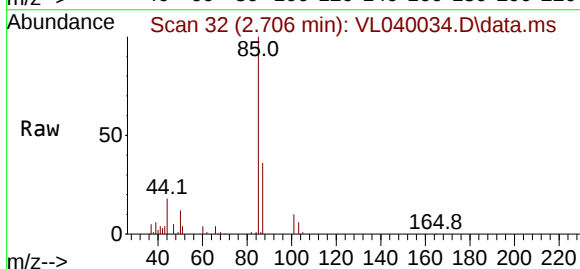
Manual Integrations
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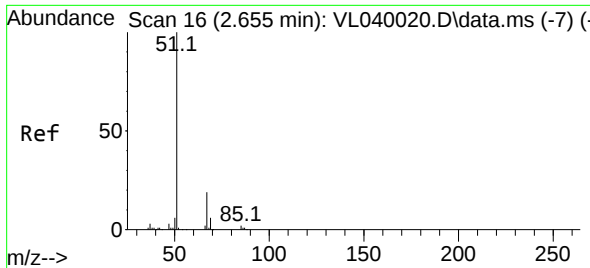
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#2
Dichlorodifluoromethane
Concen: 0.266 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

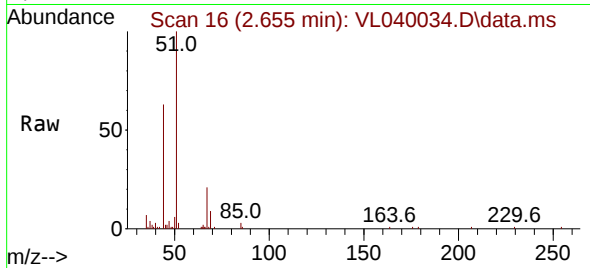
Tgt Ion: 85 Resp: 50918
Ion Ratio Lower Upper
85 100
87 36.1 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.267 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.000 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

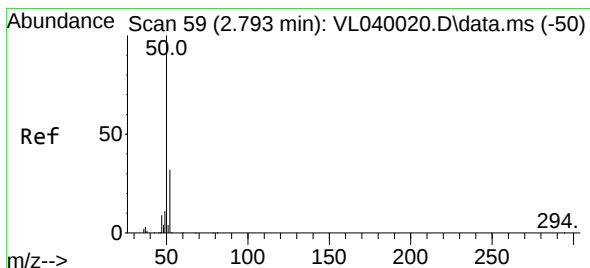
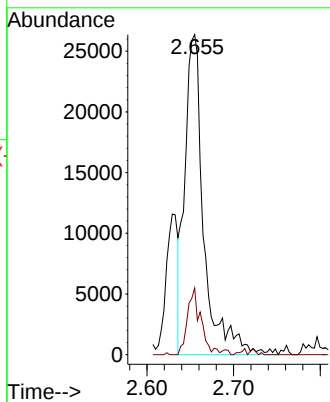
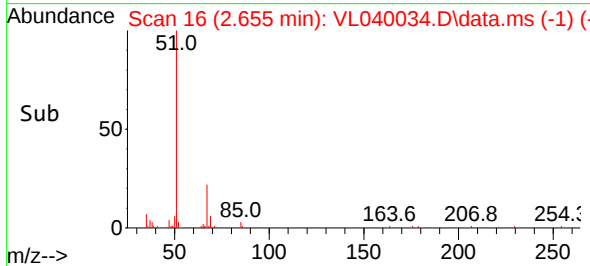
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 40260
Ion Ratio Lower Upper
51 100
67 14.6 15.3 22.9

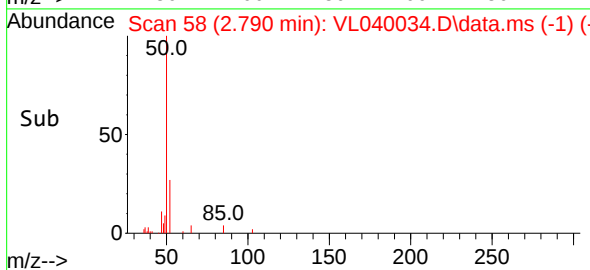
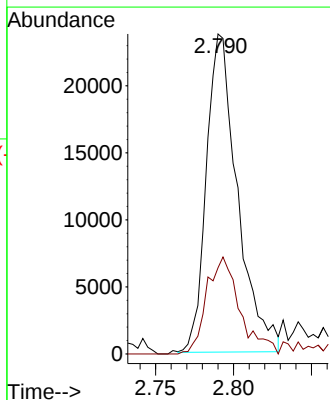
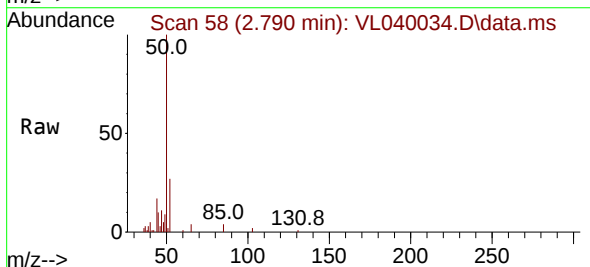
Manual Integrations
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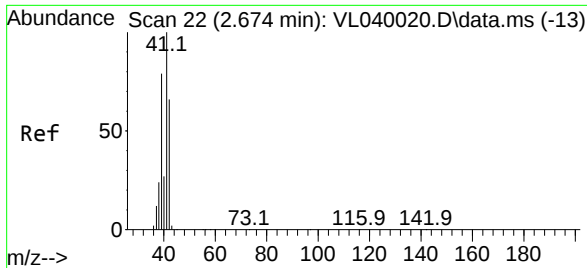
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#4
Chloromethane
Concen: 0.348 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Tgt Ion: 50 Resp: 32942
Ion Ratio Lower Upper
50 100
52 27.1 25.5 38.3





#9

Propene

Concen: 0.475 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.006 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 3046

Ion Ratio Lower Upper

41 100

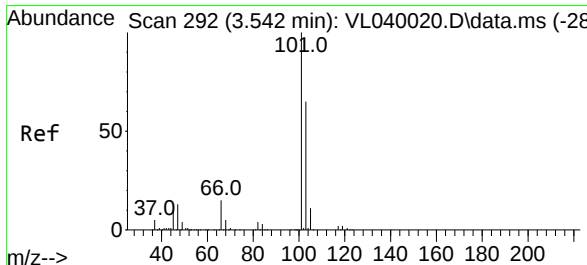
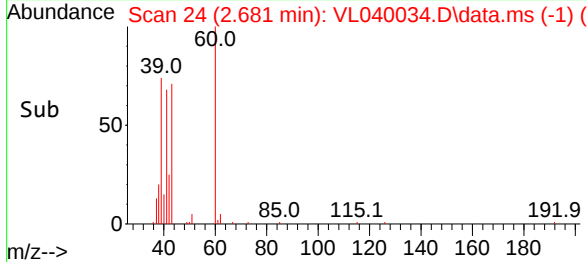
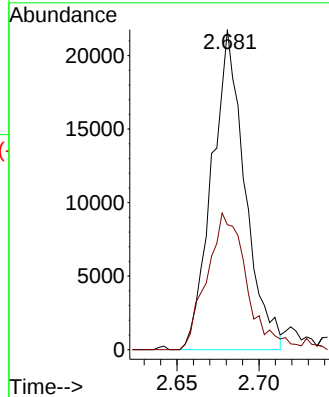
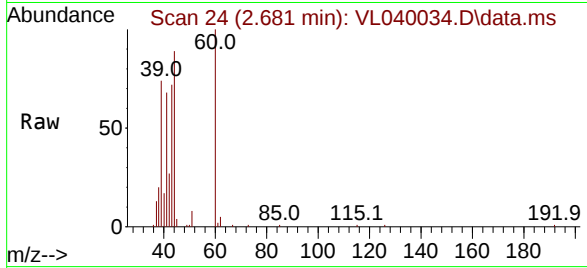
42 52.2 54.8 82.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#11

Trichlorofluoromethane

Concen: 0.170 ppbv

RT: 3.539 min Scan# 291

Delta R.T. -0.003 min

Lab File: VL040034.D

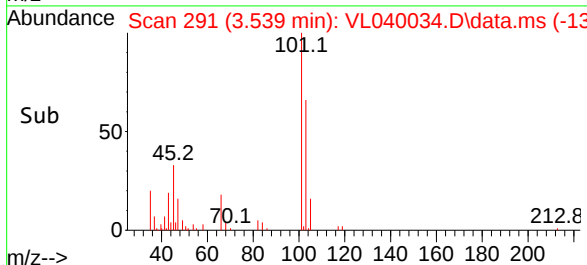
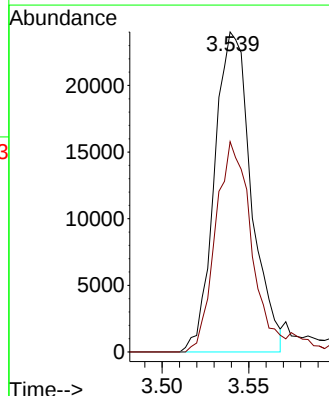
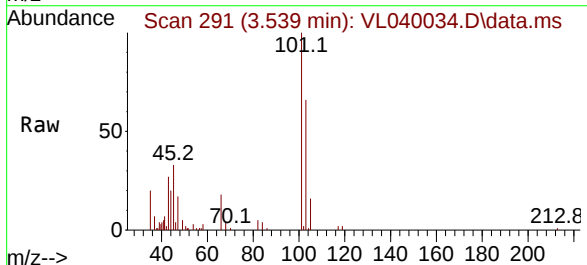
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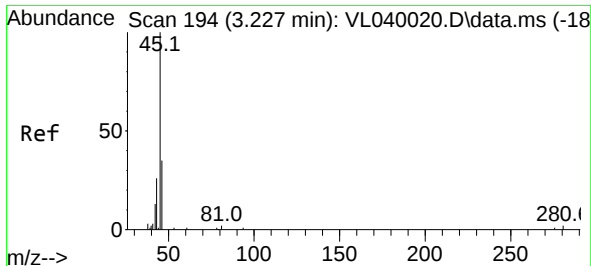
Tgt Ion:101 Resp: 35424

Ion Ratio Lower Upper

101 100

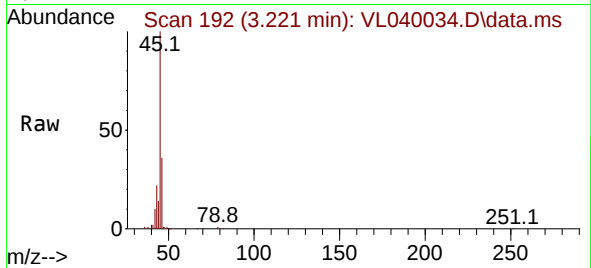
103 65.7 51.7 77.5





#13
Ethanol
Concen: 25.090 ppbv
RT: 3.221 min Scan# 194
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

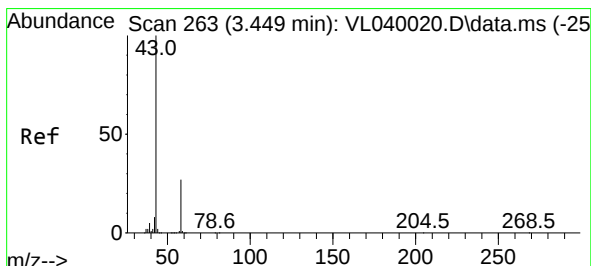
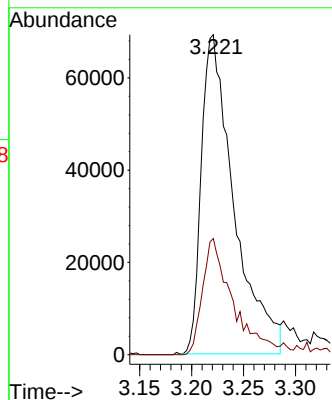
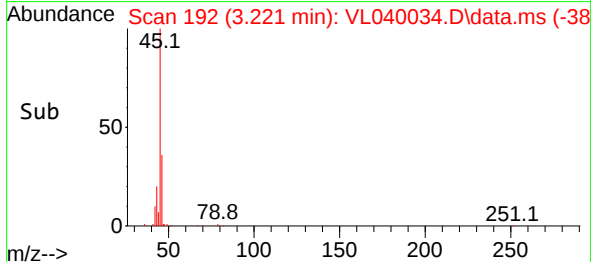
Instrument :
MSVOA_L
ClientSampleId :
OA1



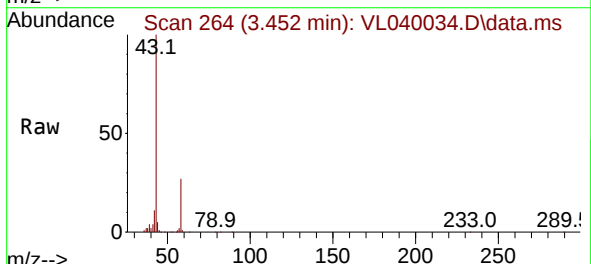
Tgt Ion: 45 Resp: 151368
Ion Ratio Lower Upper
45 100
46 36.7 13.7 54.7

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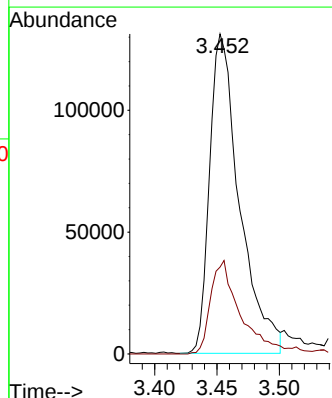
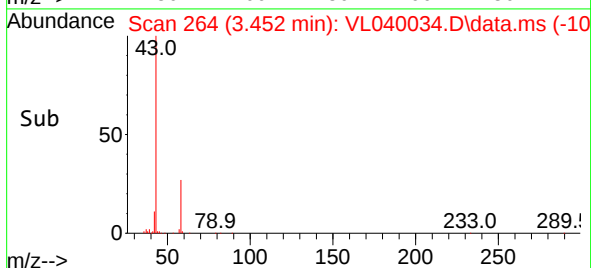
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

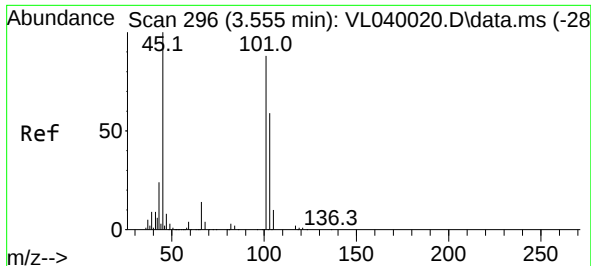


#15
Acetone
Concen: 1.386 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52



Tgt Ion: 43 Resp: 219427
Ion Ratio Lower Upper
43 100
58 29.8 21.8 32.8





#19

Isopropyl Alcohol

Concen: 4.444 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.006 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 45 Resp: 346808

Ion Ratio Lower Upper

45 100

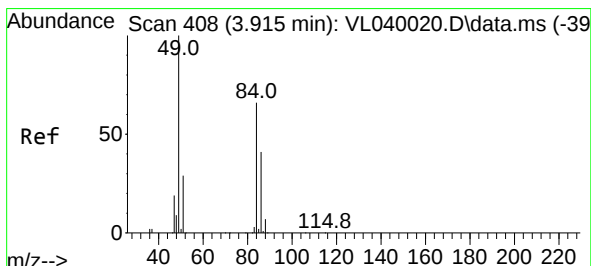
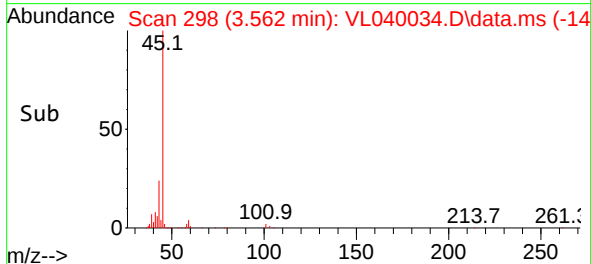
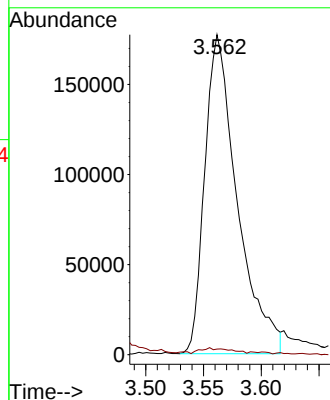
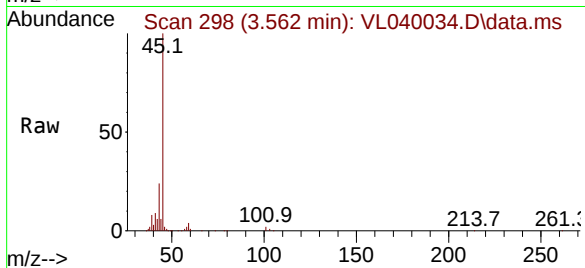
58 3.3 1.7 2.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#20

Methylene Chloride

Concen: 2.511 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Tgt Ion: 84 Resp: 169063

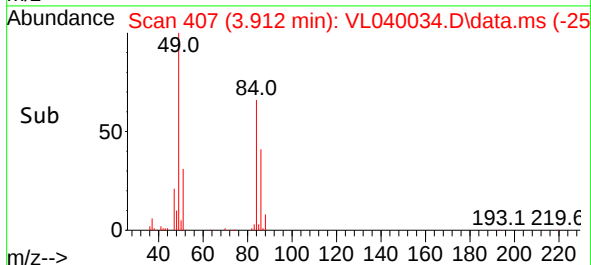
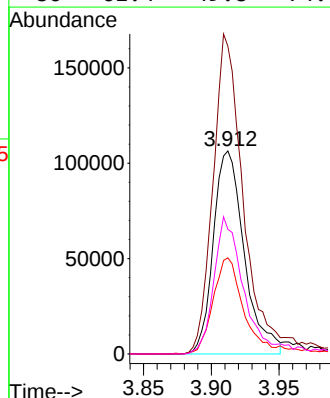
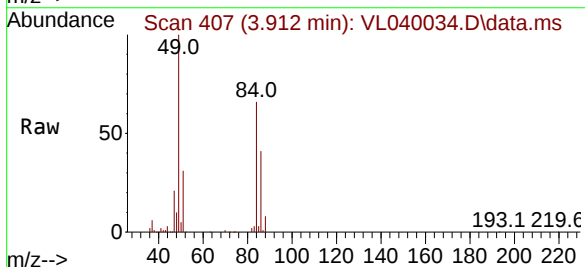
Ion Ratio Lower Upper

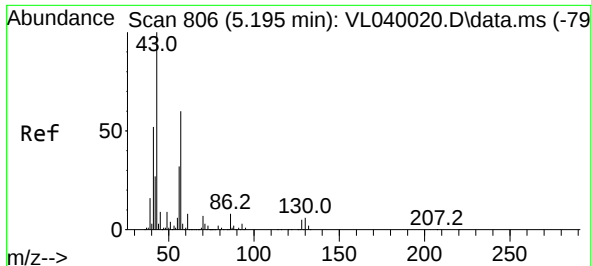
84 100

49 151.5 120.5 180.7

51 47.2 35.2 52.8

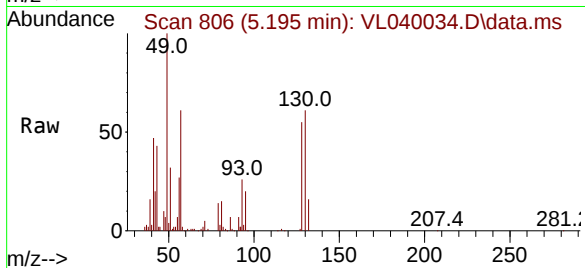
86 61.4 49.8 74.6





#26
Hexane
Concen: 0.920 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

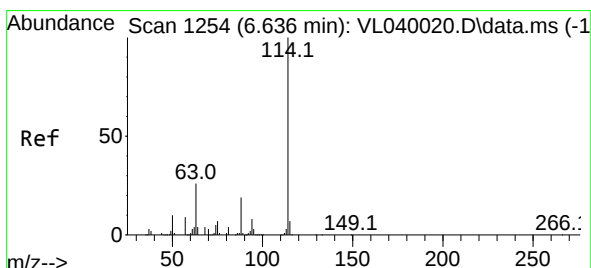
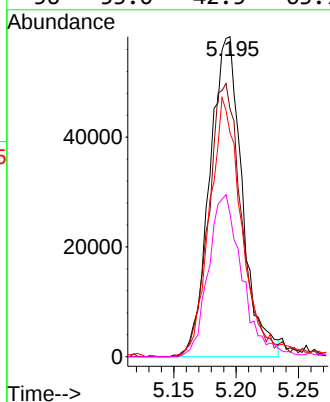
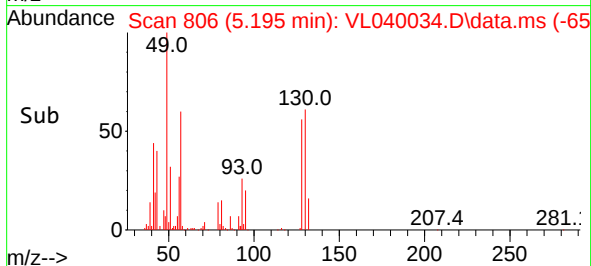
Instrument :
MSVOA_L
ClientSampleId :
OA1



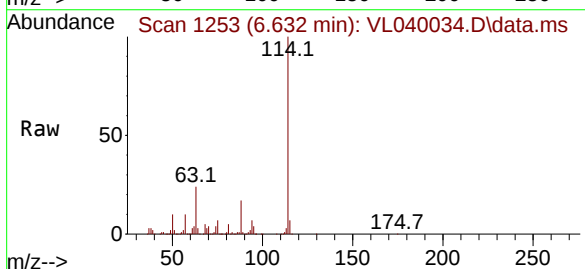
Tgt Ion: 57 Resp: 105992
Ion Ratio Lower Upper
57 100
41 89.4 72.1 108.1
43 82.0 192.1 288.1
56 53.0 42.5 63.7

Manual Integrations
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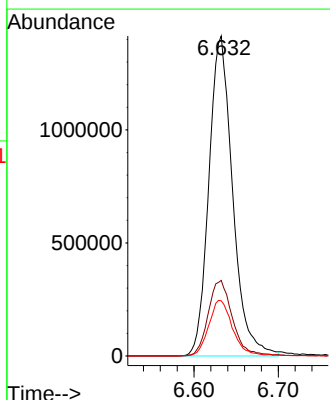
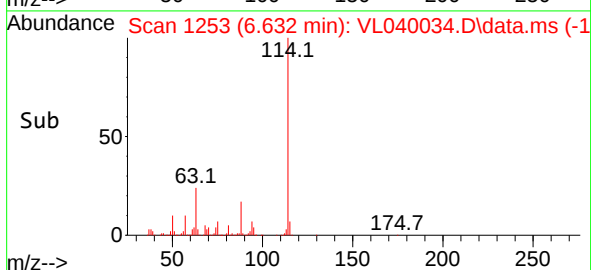
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

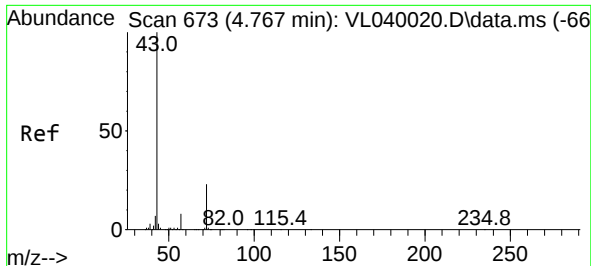


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52



Tgt Ion:114 Resp: 2774583
Ion Ratio Lower Upper
114 100
63 24.4 20.2 30.2
88 17.7 14.6 21.8





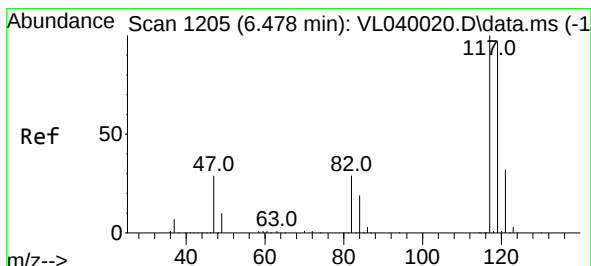
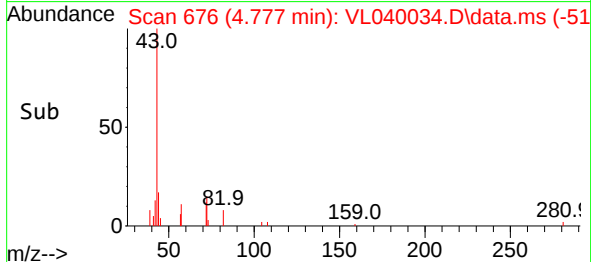
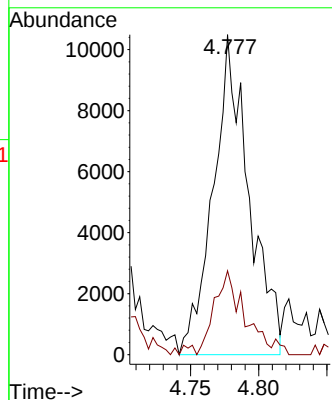
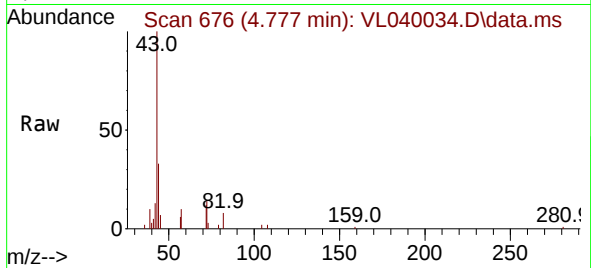
#34
2-Butanone
Concen: 0.127 ppbv m
RT: 4.777 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
72 23.4 18.0 27.0

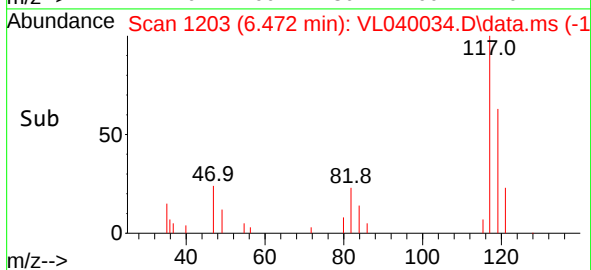
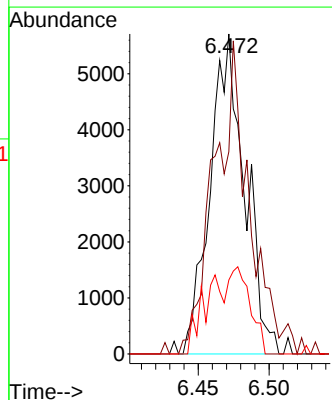
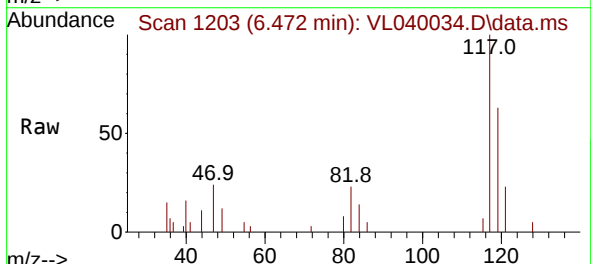
Manual Integrations
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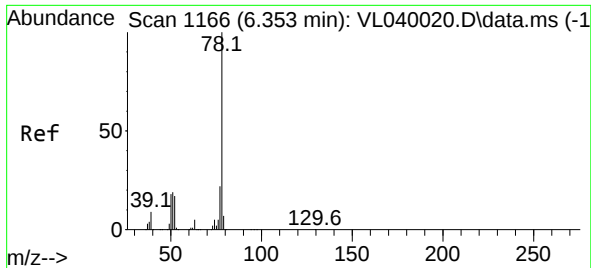
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 6.472 min Scan# 1203
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

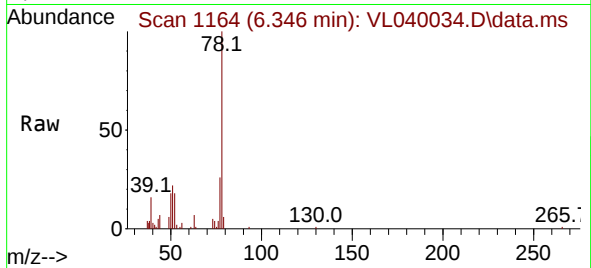
Tgt Ion:117 Resp: 9726
Ion Ratio Lower Upper
117 100
119 63.2 77.3 115.9#
121 23.1 25.4 38.0#





#36
Benzene
Concen: 0.173 ppbv m
RT: 6.346 min Scan# 1164
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

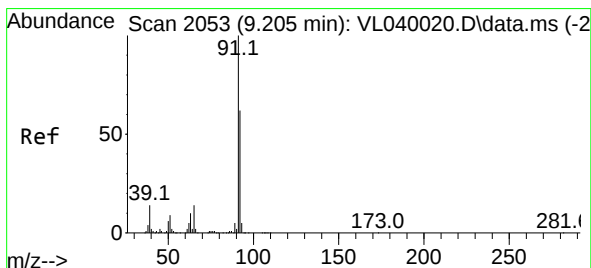
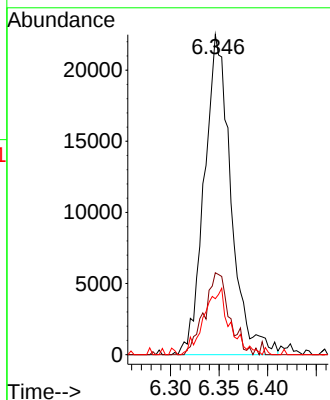
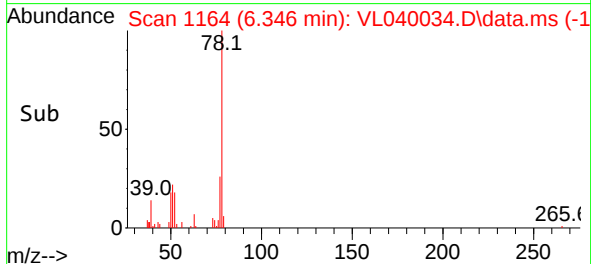
Instrument :
MSVOA_L
ClientSampleId :
OA1



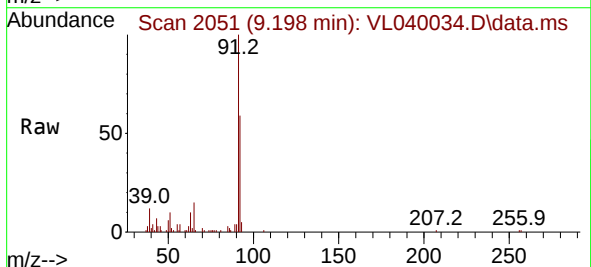
Tgt Ion: 78 Resp: 42778
Ion Ratio Lower Upper
78 100
77 25.6 17.5 26.3
50 17.5 14.2 21.2

Manual Integrations
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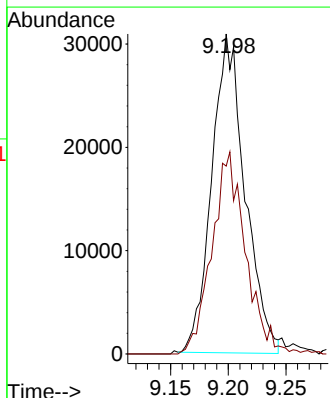
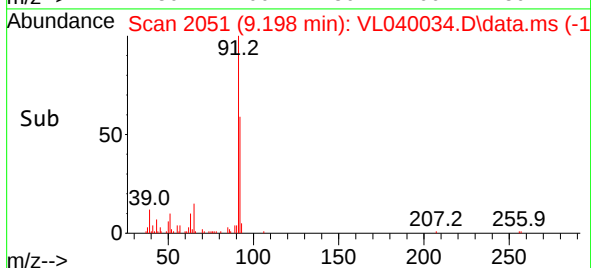
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

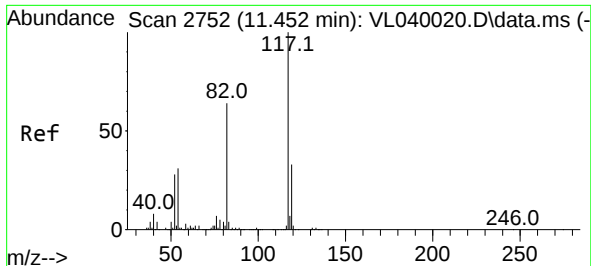


#53
Toluene
Concen: 0.225 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52



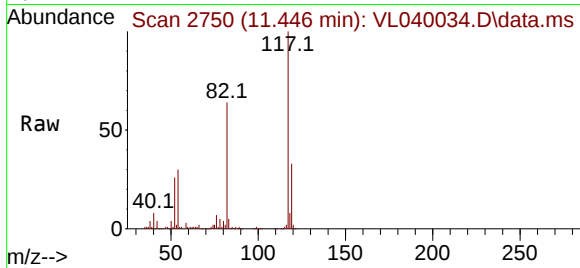
Tgt Ion: 91 Resp: 61836
Ion Ratio Lower Upper
91 100
92 64.3 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

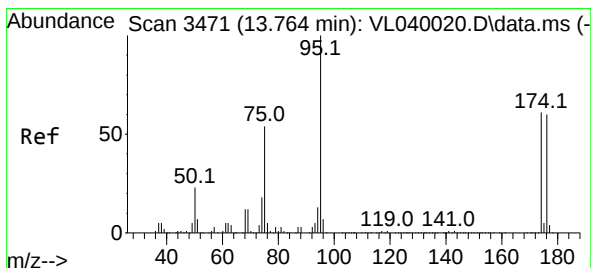
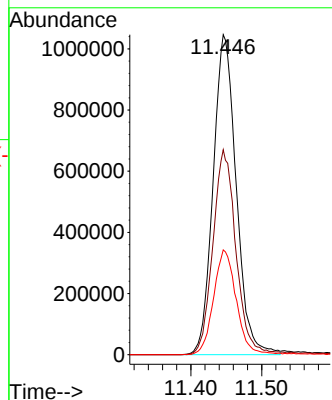
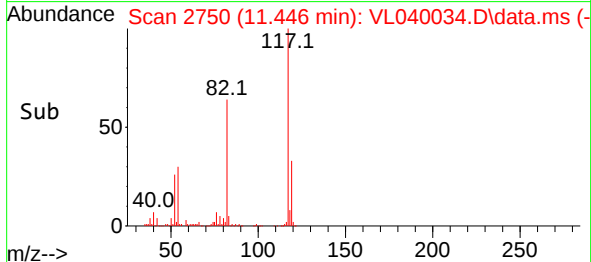
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 236774
Ion Ratio Lower Upper
117 100
82 64.9 51.2 76.8
119 32.7 23.2 34.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Tgt Ion: 95 Resp: 1775048
Ion Ratio Lower Upper
95 100
174 63.8 48.6 73.0
175 4.4 3.4 5.2

