

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040387.D
 Acq On : 19 Apr 2023 19:49
 Operator : SY/MD
 Sample : 02368-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP2-ADL

Quant Time: Apr 20 05:13:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

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

Internal Standards						
1) Bromochloromethane	5.179	49	1076331	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2837905	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2568941	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2029061	9.551	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
13) Ethanol	3.218	45	560076	120.744	ppbv	95
15) Acetone	3.452	43	786539	5.159	ppbv	96
29) Chloroform	5.256	83	60420m	0.314	ppbv	
34) 2-Butanone	4.774	43	208749	1.364	ppbv	98
41) Tetrahydrofuran	5.562	42	33843m	0.404	ppbv	
52) Tetrachloroethene	10.606	164	59701	0.824	ppbv #	83
53) Toluene	9.211	91	28111m	0.115	ppbv	

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

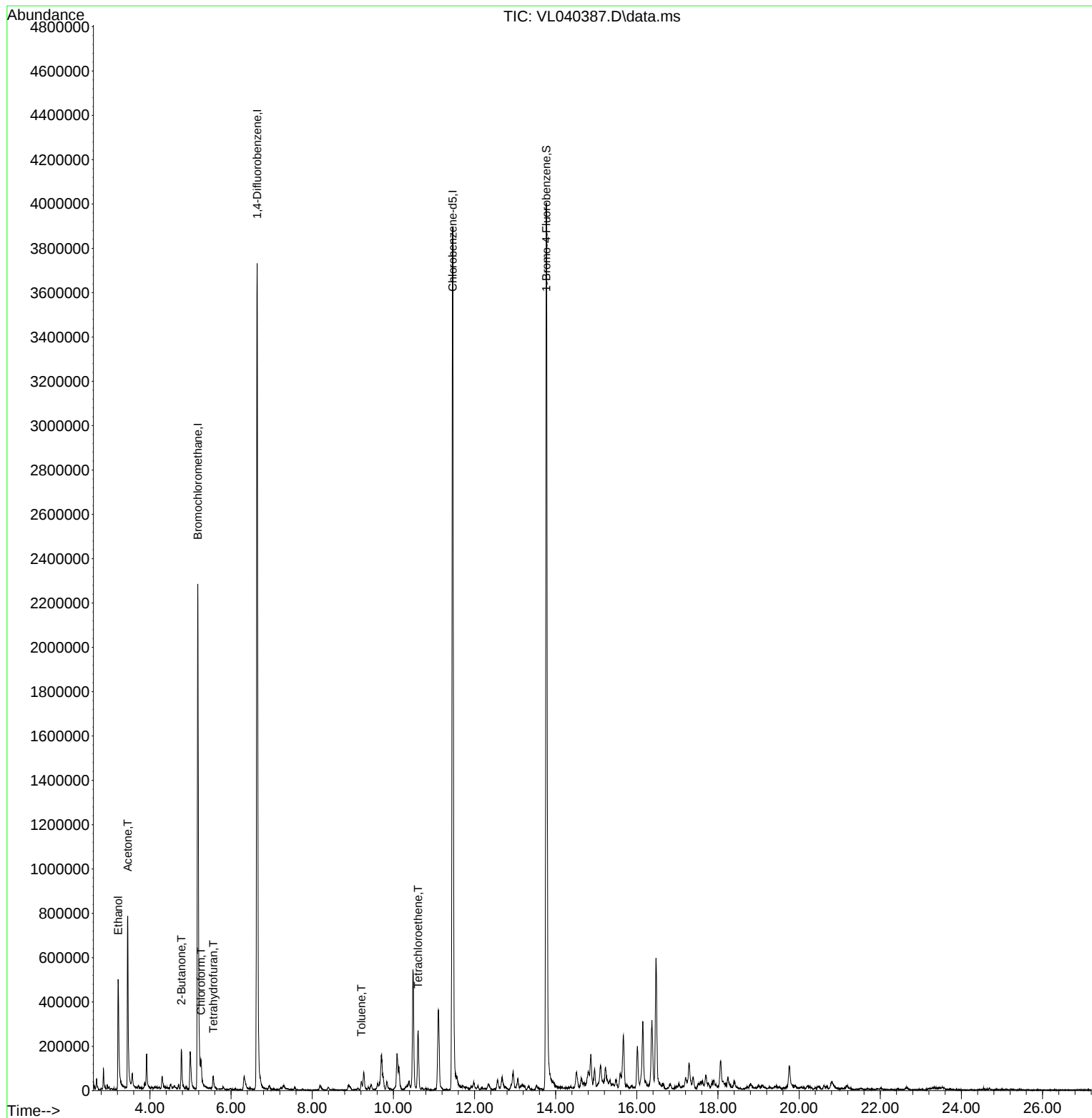
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
Data File : VL040387.D
Acq On : 19 Apr 2023 19:49
Operator : SY/MD
Sample : 02368-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

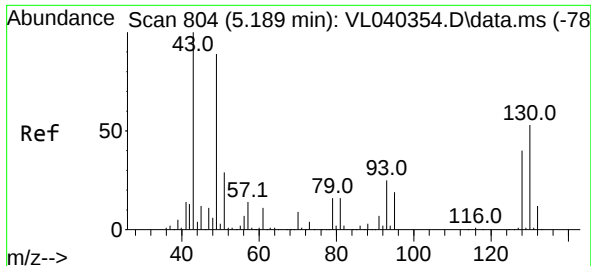
Instrument :
MSVOA_L
ClientSampleId :
VP2-ADL

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Quant Time: Apr 20 05:13:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration





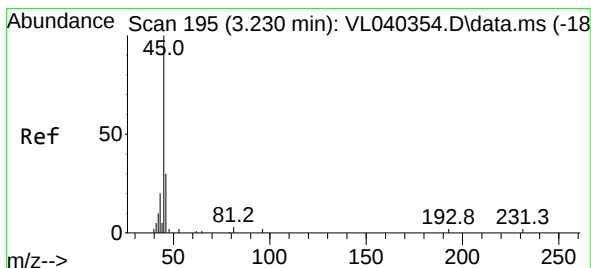
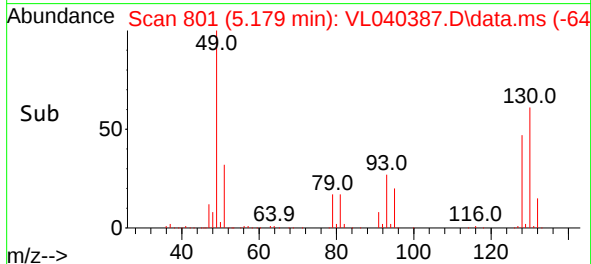
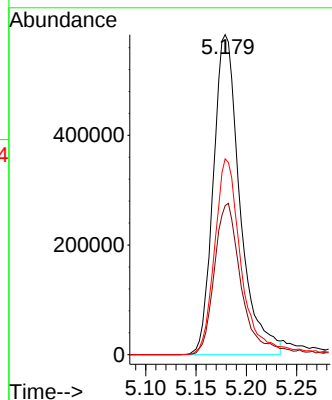
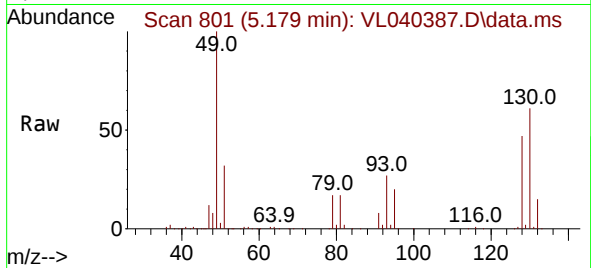
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_L
ClientSampleId :
VP2-ADL

Tgt Ion: 49 Resp: 107633
Ion Ratio Lower Upper
49 100
128 49.4 23.7 71.1
130 63.2 29.9 89.8

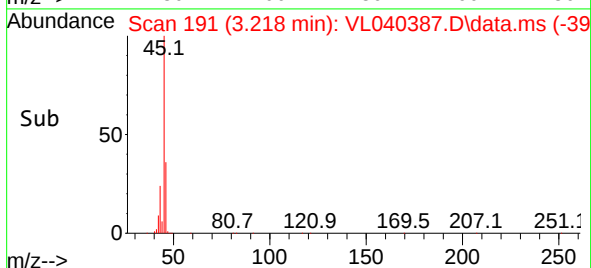
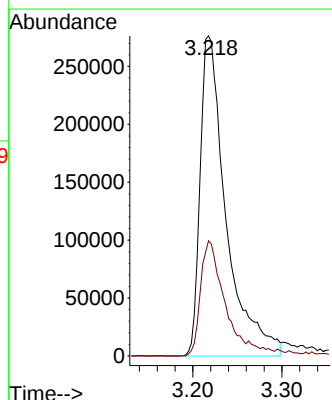
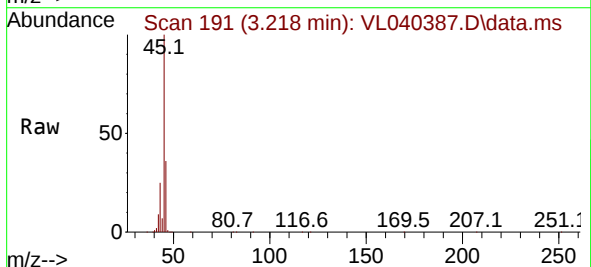
Manual Integrations
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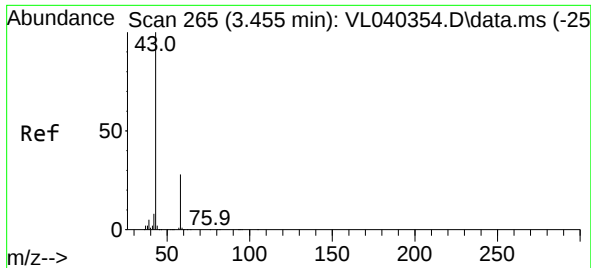
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#13
Ethanol
Concen: 120.744 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.012 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

Tgt Ion: 45 Resp: 560076
Ion Ratio Lower Upper
45 100
46 35.5 15.3 61.3





#15

Acetone

Concen: 5.159 ppbv

RT: 3.452 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL040387.D

Acq: 19 Apr 2023 19:49

Instrument :

MSVOA_L

ClientSampleId :

VP2-ADL

Tgt Ion: 43 Resp: 786539

Ion Ratio Lower Upper

43 100

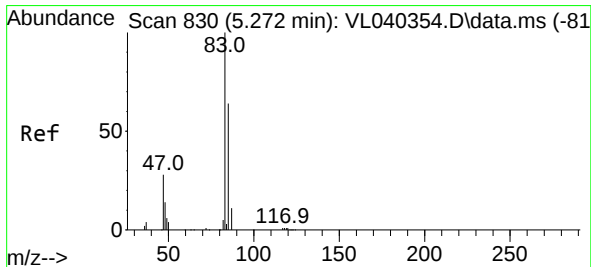
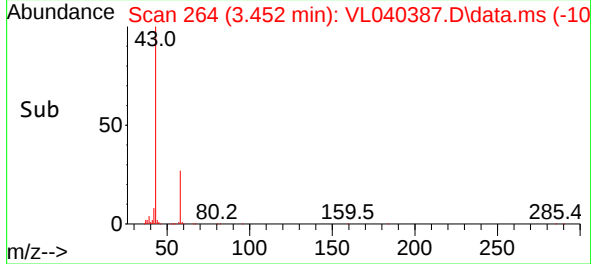
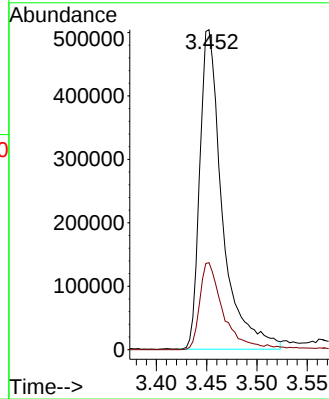
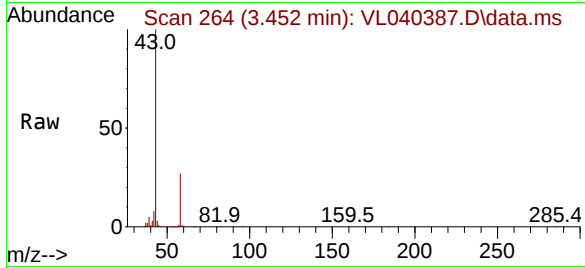
58 29.6 22.2 33.2

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#29

Chloroform

Concen: 0.314 ppbv m

RT: 5.256 min Scan# 825

Delta R.T. -0.016 min

Lab File: VL040387.D

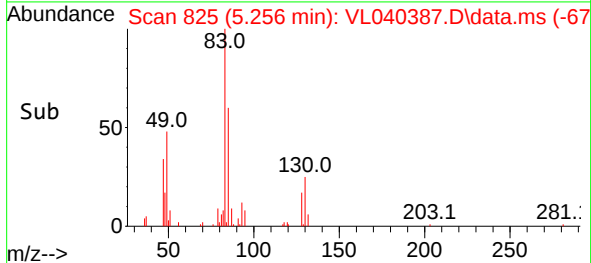
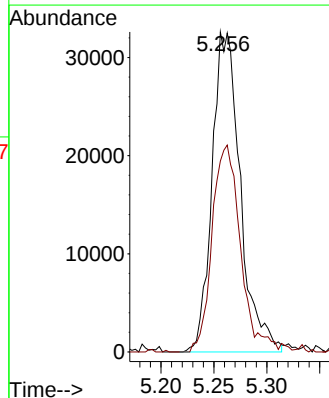
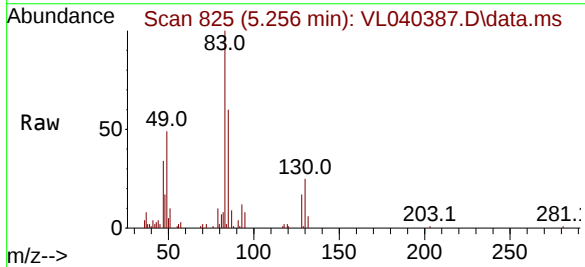
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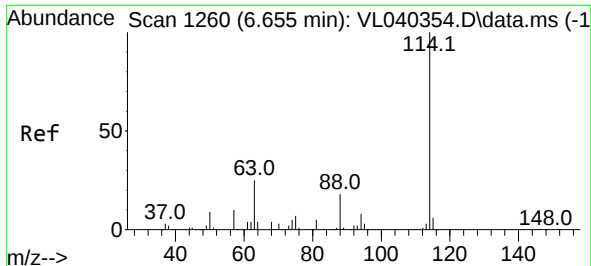
Tgt Ion: 83 Resp: 60420

Ion Ratio Lower Upper

83 100

85 59.6 51.0 76.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040387.D

Acq: 19 Apr 2023 19:49

Instrument :

MSVOA_L

ClientSampleId :

VP2-ADL

Tgt Ion:114 Resp: 283790

Ion Ratio Lower Upper

114 100

63 25.1 21.4 32.0

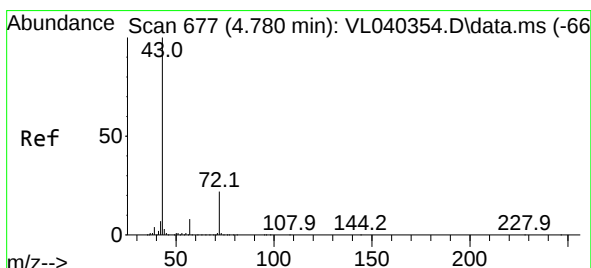
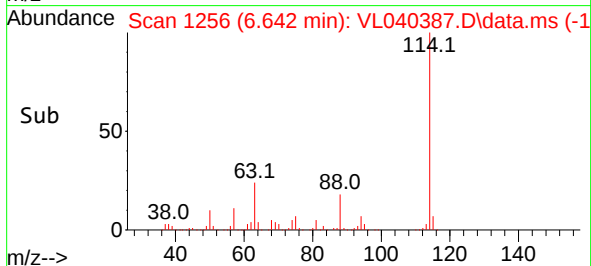
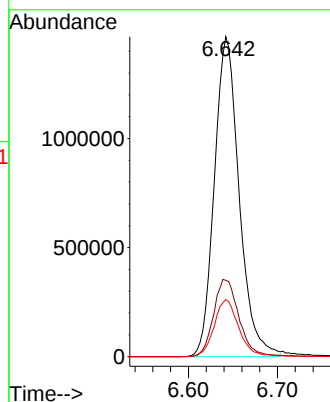
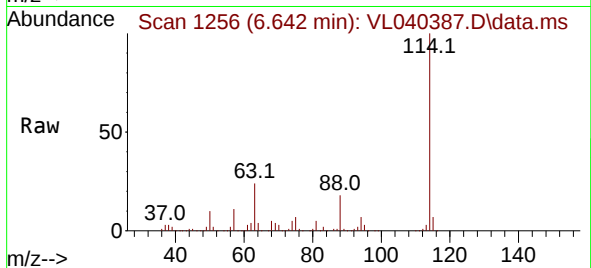
88 18.0 14.6 22.0

Manual Integrations

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Supervised By :Mahesh Dadoda 04/22/2023



#34

2-Butanone

Concen: 1.364 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.006 min

Lab File: VL040387.D

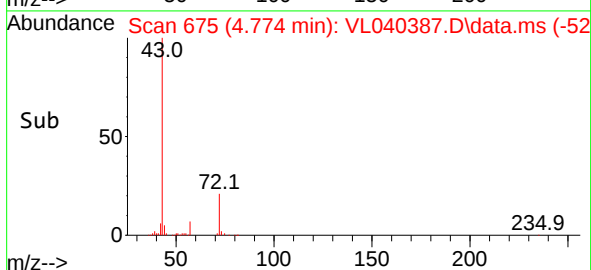
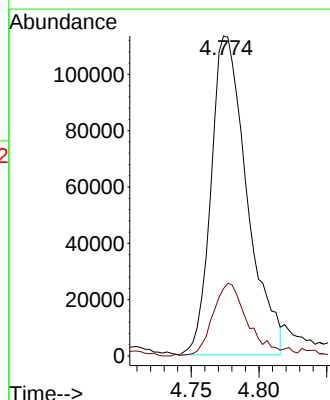
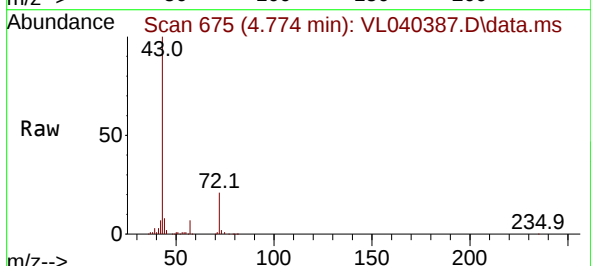
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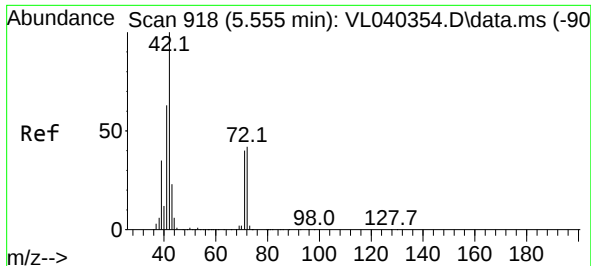
Tgt Ion: 43 Resp: 208749

Ion Ratio Lower Upper

43 100

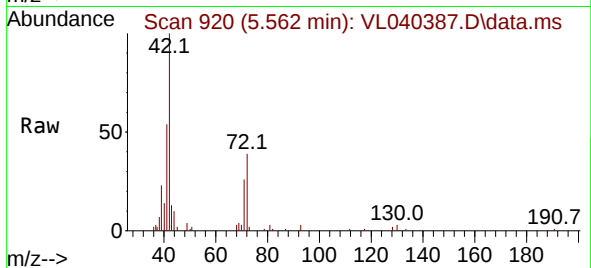
72 23.8 18.4 27.6





#41
Tetrahydrofuran
Concen: 0.404 ppbv m
RT: 5.562 min Scan# 918
Delta R.T. 0.007 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

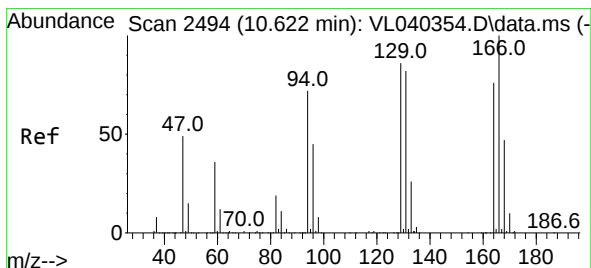
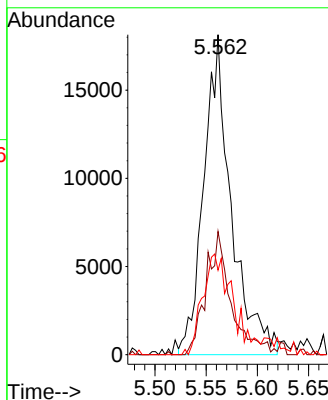
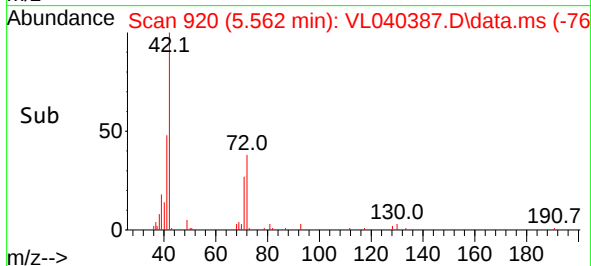
Instrument :
MSVOA_L
ClientSampleId :
VP2-ADL



Tgt Ion: 42 Resp: 3384
Ion Ratio Lower Upper
42 100
72 36.5 33.7 50.5
71 38.4 32.2 48.2

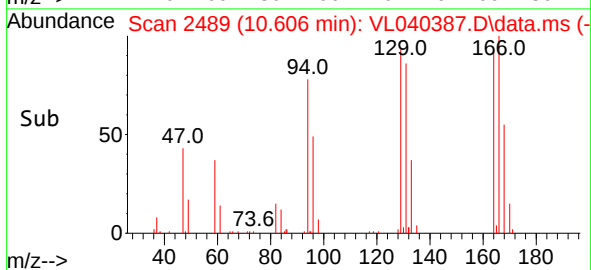
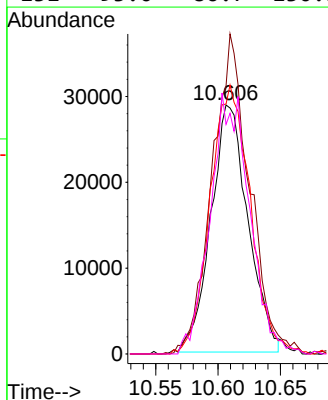
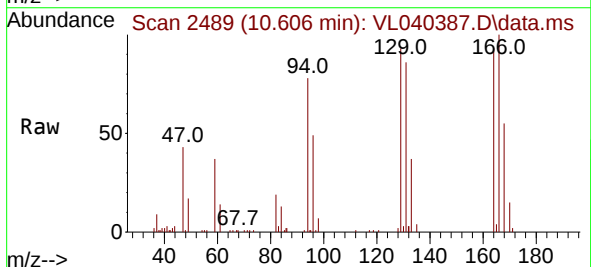
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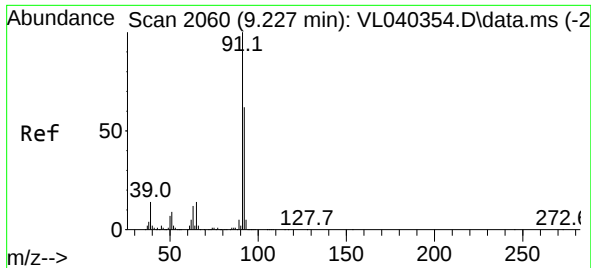
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#52
Tetrachloroethene
Concen: 0.824 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.016 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

Tgt Ion:164 Resp: 59701
Ion Ratio Lower Upper
164 100
166 105.0 105.2 157.8#
129 100.2 90.3 135.5
131 93.0 86.7 130.1





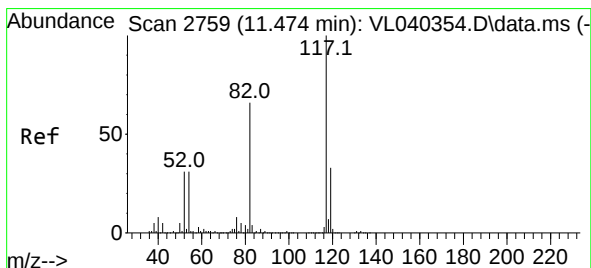
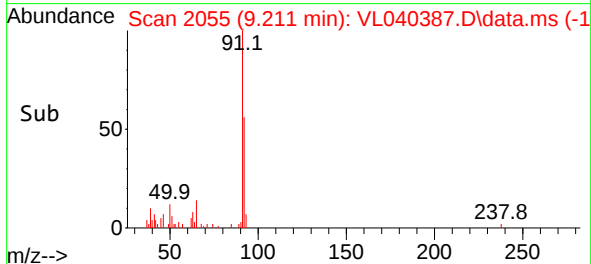
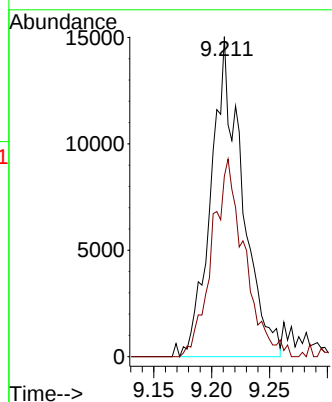
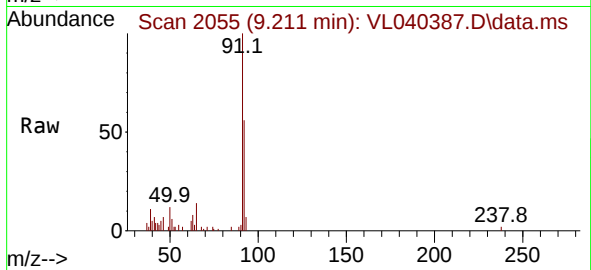
#53
Toluene
Concen: 0.115 ppbv m
RT: 9.211 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

Instrument :
MSVOA_L
ClientSampleId :
VP2-ADL

Tgt Ion: 91 Resp: 2811
Ion Ratio Lower Upper
91 100
92 65.5 48.9 73.3

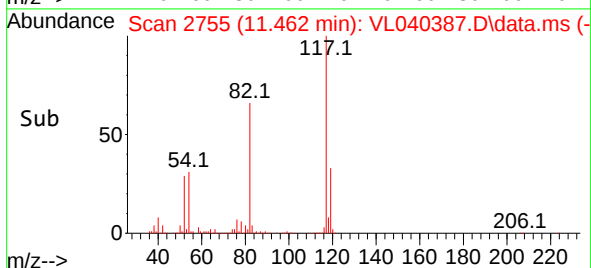
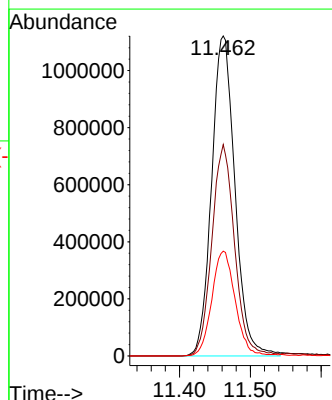
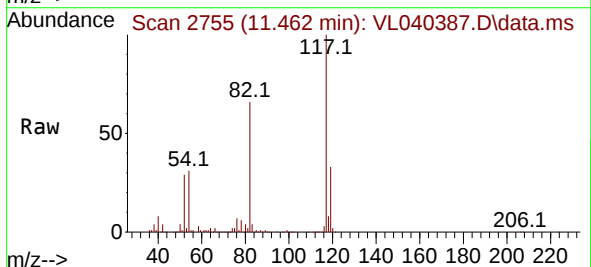
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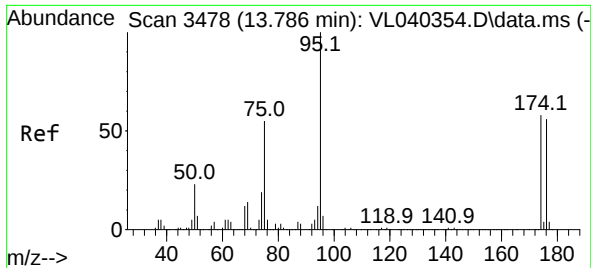
Reviewed By :Semsettin Yesilyurt 04/20/2023
Supervised By :Mahesh Dadoda 04/22/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.012 min
Lab File: VL040387.D
Acq: 19 Apr 2023 19:49

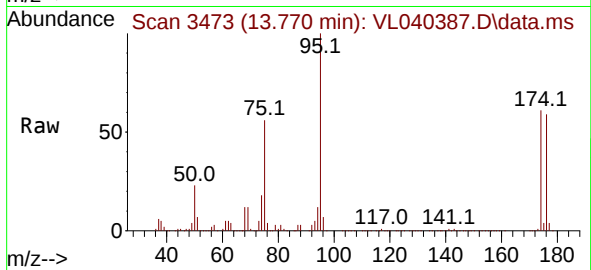
Tgt Ion:117 Resp: 2568941
Ion Ratio Lower Upper
117 100
82 64.5 52.5 78.7
119 33.3 24.3 36.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.551 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. -0.016 min
 Lab File: VL040387.D
 Acq: 19 Apr 2023 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VP2-ADL



Tgt Ion: 95 Resp: 202906
 Ion Ratio Lower Upper
 95 100
 174 62.1 47.2 70.8
 175 4.3 3.5 5.3

Manual Integrations
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