

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041327.D
 Acq On : 5 Jun 2024 14:50
 Operator : SY/MD
 Sample : P2716-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2024
 Supervised By : Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:39:38 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.214	49	802536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2122089	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	1983419	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1526553	9.968	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.764	85	43588	0.340	ppbv	99
3) Chlorodifluoromethane	2.710	51	49844m	0.393	ppbv	
4) Chloromethane	2.848	50	35639	0.747	ppbv	96
9) Propene	2.742	41	75916	1.681	ppbv #	78
10) Heptane	7.594	43	46989	0.439	ppbv	99
11) Trichlorofluoromethane	3.587	101	29275	0.248	ppbv	84
13) Ethanol	3.276	45	211750m	18.018	ppbv	
15) Acetone	3.494	43	1330897	14.525	ppbv	99
19) Isopropyl Alcohol	3.610	45	146632m	2.547	ppbv	
20) Methylene Chloride	3.960	84	191668	5.755	ppbv	95
26) Hexane	5.230	57	219997	2.699	ppbv #	47
30) Cyclohexane	6.616	84	85902	1.300	ppbv	91
34) 2-Butanone	4.812	43	109728	1.079	ppbv	98
35) Carbon Tetrachloride	6.507	117	9769m	0.081	ppbv	
36) Benzene	6.385	78	74822m	0.455	ppbv	
41) Tetrahydrofuran	5.591	42	21499m	0.325	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	105371m	0.372	ppbv	
52) Tetrachloroethene	10.635	164	4085m	0.068	ppbv	
53) Toluene	9.237	91	385434	2.037	ppbv	100
58) Ethyl Benzene	12.098	91	58302	0.229	ppbv #	80
59) m/p-Xylene	12.356	91	192960	0.886	ppbv	97
60) o-Xylene	13.069	91	79982	0.385	ppbv	98
74) 1,2,4-Trimethylbenzene	16.111	105	50480m	0.213	ppbv	

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

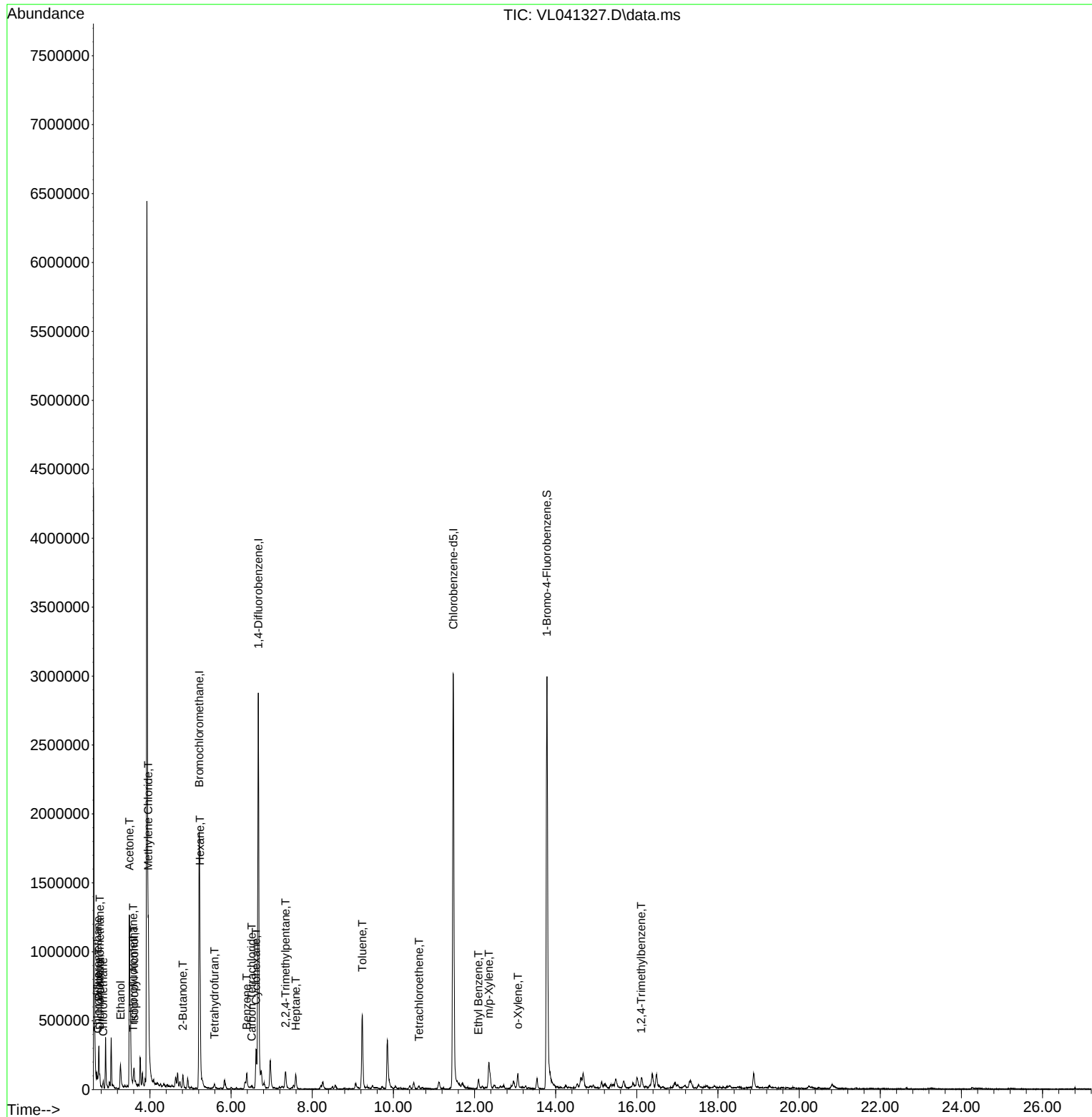
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
Data File : VL041327.D
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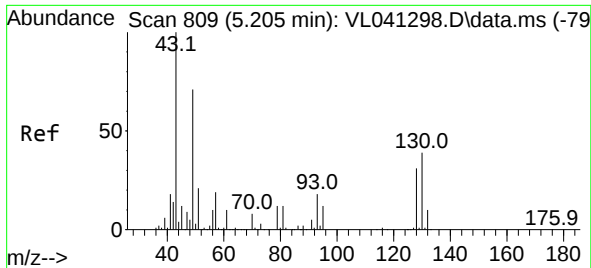
Instrument :
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Quant Time: Jun 06 04:39:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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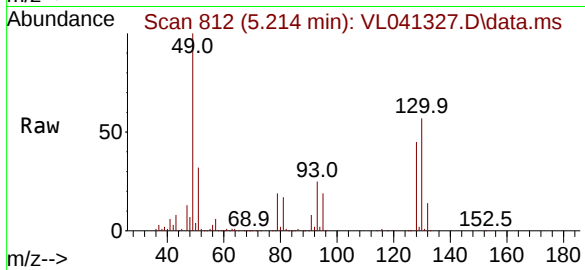
Reviewed By : Semsettin Yesilyurt 06/06/2024
Supervised By : Mahesh Dadoda 06/06/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

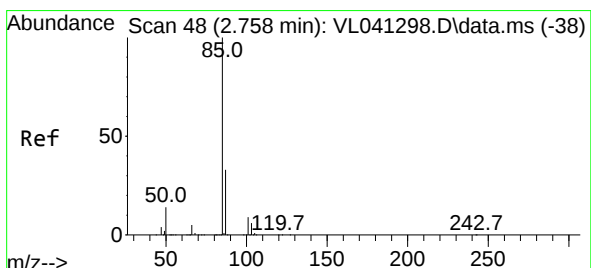
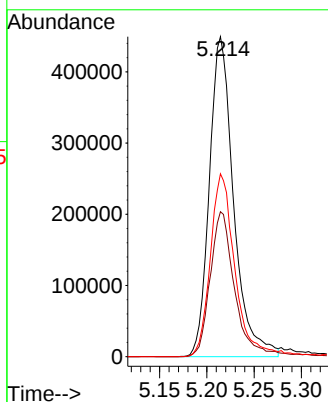
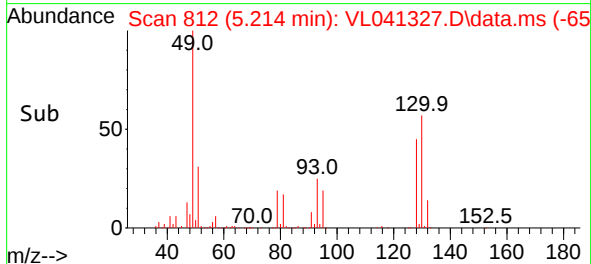
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 802530
Ion Ratio Lower Upper
49 100
128 46.3 22.8 68.3
130 59.0 28.4 85.3

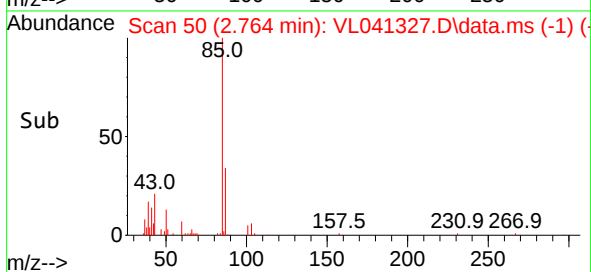
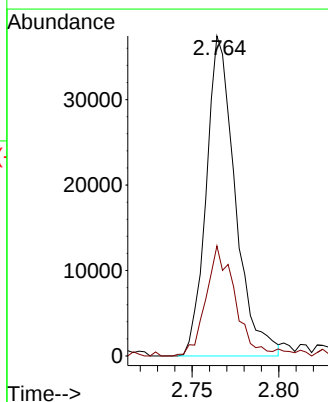
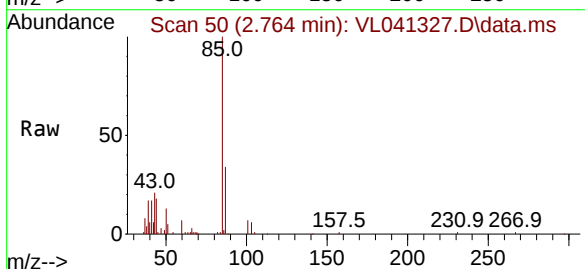
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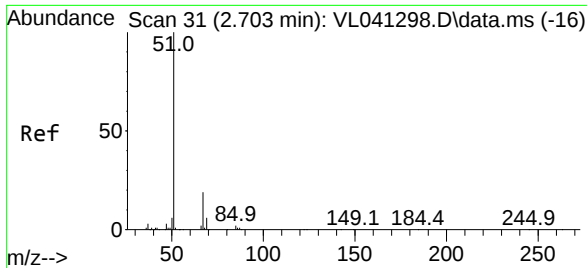
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#2
Dichlorodifluoromethane
Concen: 0.340 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

Tgt Ion: 85 Resp: 43588
Ion Ratio Lower Upper
85 100
87 33.9 26.5 39.7





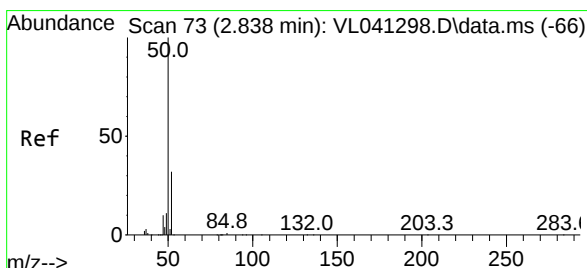
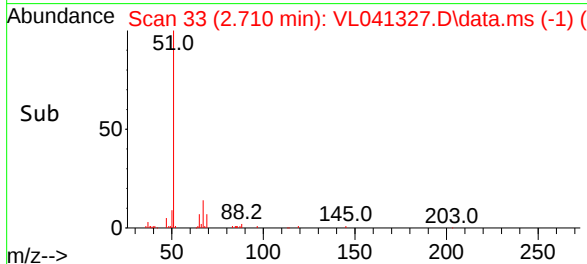
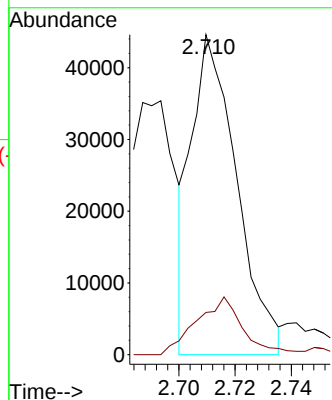
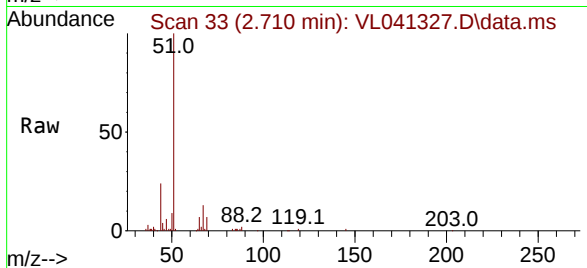
#3
Chlorodifluoromethane
Concen: 0.393 ppbv m
RT: 2.710 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 4984
Ion Ratio Lower Upper
51 100
67 20.0 14.7 22.1

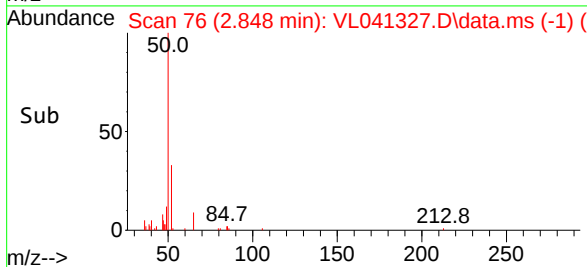
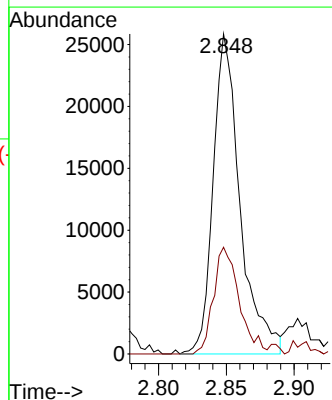
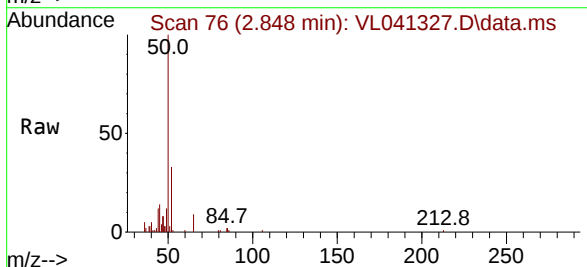
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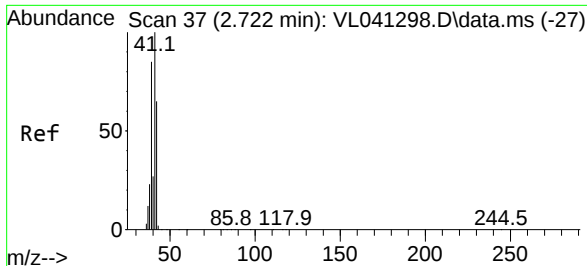
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#4
Chloromethane
Concen: 0.747 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.010 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

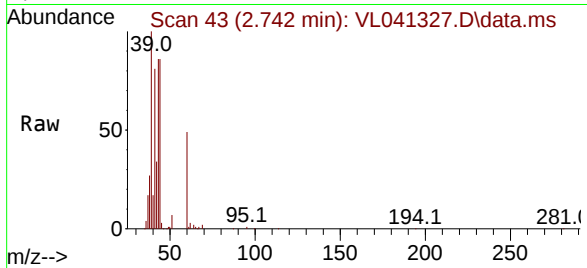
Tgt Ion: 50 Resp: 35639
Ion Ratio Lower Upper
50 100
52 34.5 25.6 38.4





#9
Propene
Concen: 1.681 ppbv
RT: 2.742 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

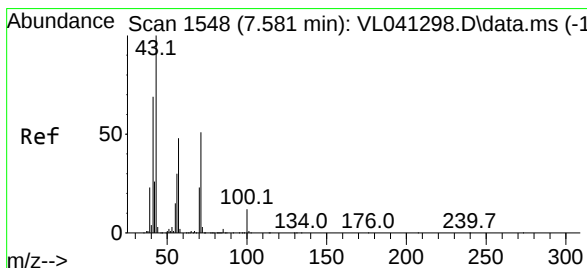
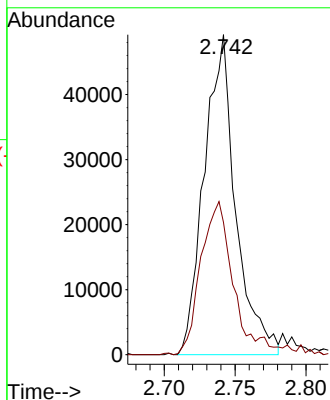
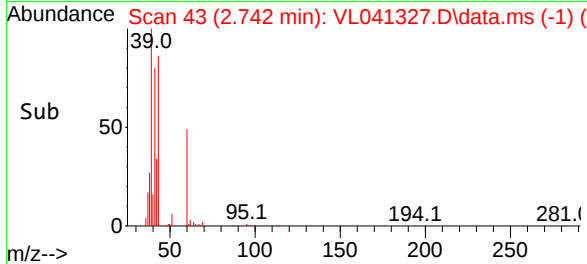
Instrument :
MSVOA_L
ClientSampleId :
IA1



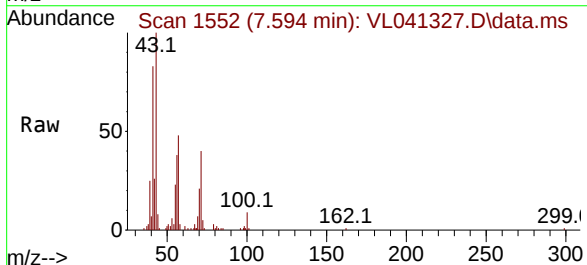
Tgt Ion: 41 Resp: 75910
Ion Ratio Lower Upper
41 100
42 51.4 55.2 82.8

Manual Integrations
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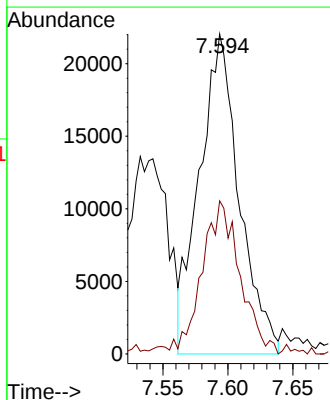
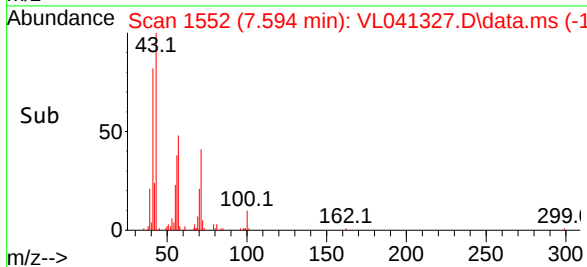
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

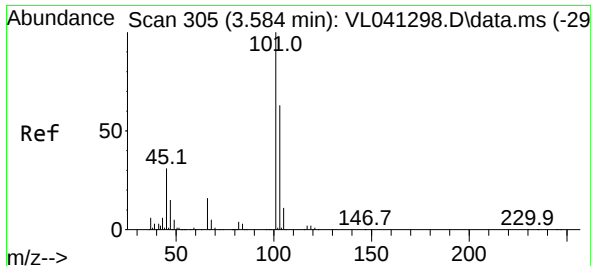


#10
Heptane
Concen: 0.439 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.013 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50



Tgt Ion: 43 Resp: 46989
Ion Ratio Lower Upper
43 100
57 48.0 39.0 58.4





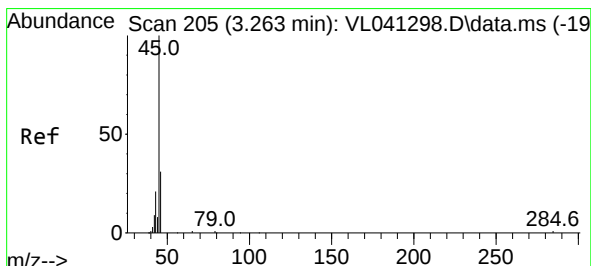
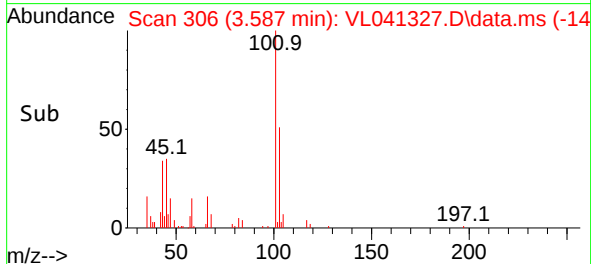
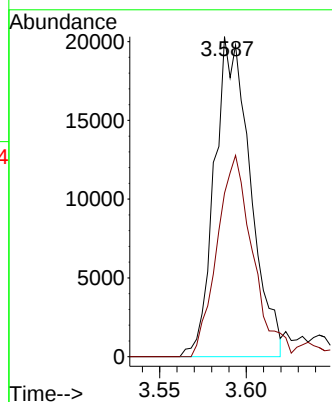
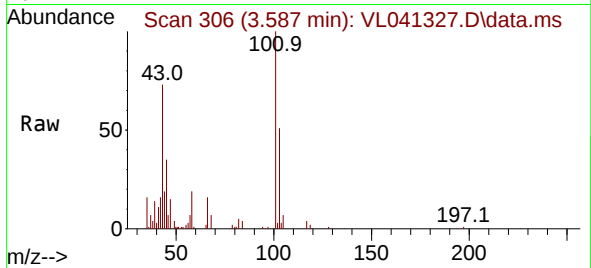
#11
 Trichlorofluoromethane
 Concen: 0.248 ppbv
 RT: 3.587 min Scan# 305
 Delta R.T. 0.003 min
 Lab File: VL041327.D
 Acq: 5 Jun 2024 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion:101 Resp: 29275
 Ion Ratio Lower Upper
 101 100
 103 51.1 50.6 76.0

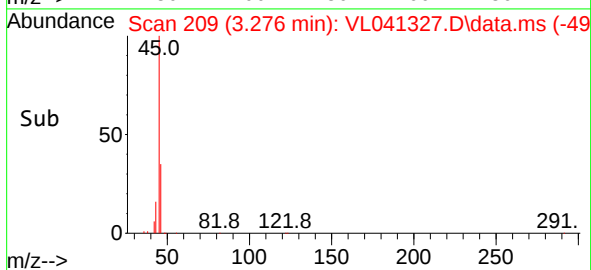
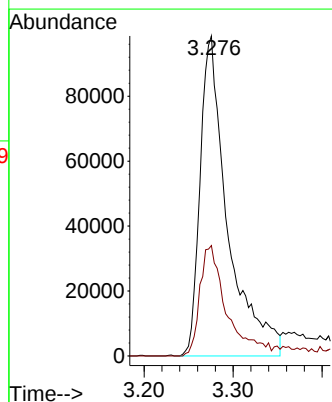
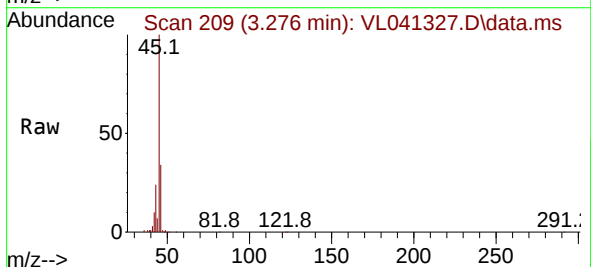
Manual Integrations
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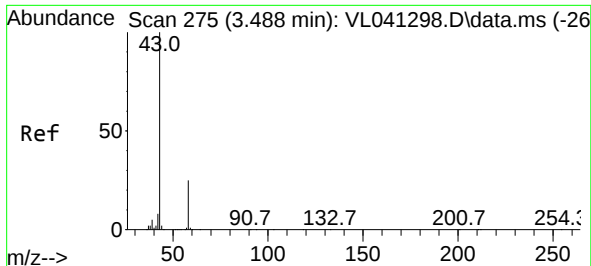
Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024



#13
 Ethanol
 Concen: 18.018 ppbv m
 RT: 3.276 min Scan# 209
 Delta R.T. 0.013 min
 Lab File: VL041327.D
 Acq: 5 Jun 2024 14:50

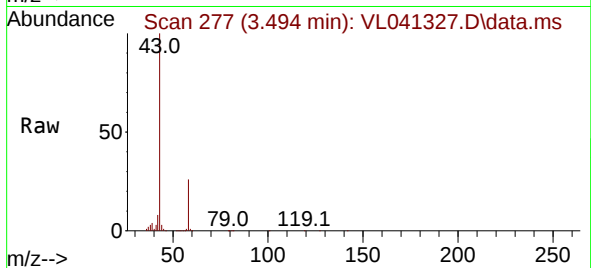
Tgt Ion: 45 Resp: 211750
 Ion Ratio Lower Upper
 45 100
 46 36.9 14.2 56.6





#15
Acetone
Concen: 14.525 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

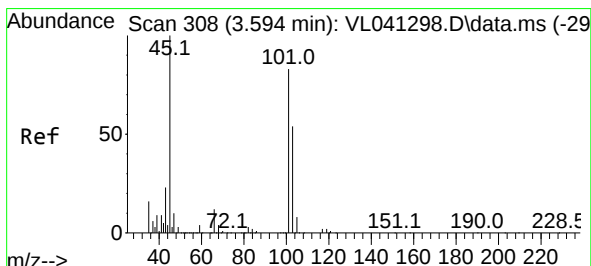
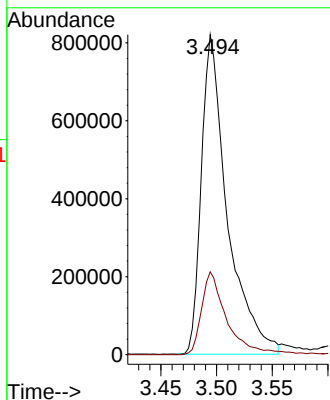
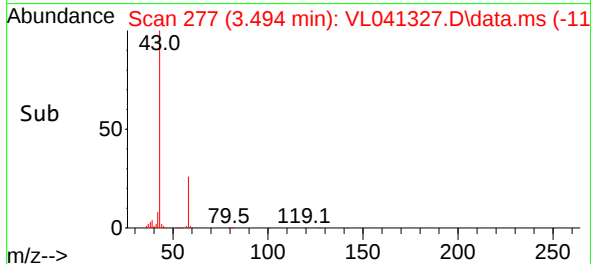
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 133089
Ion Ratio Lower Upper
43 100
58 25.3 20.6 31.0

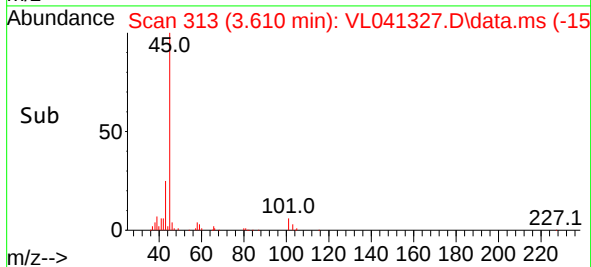
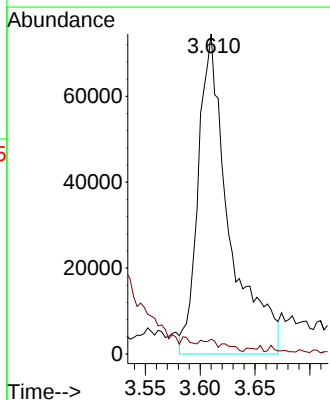
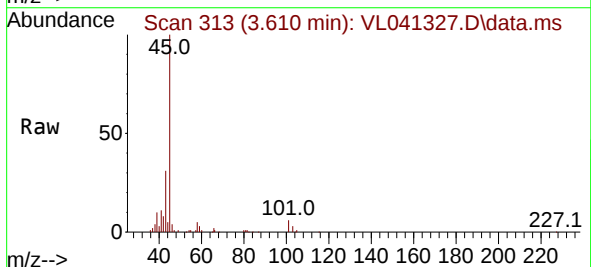
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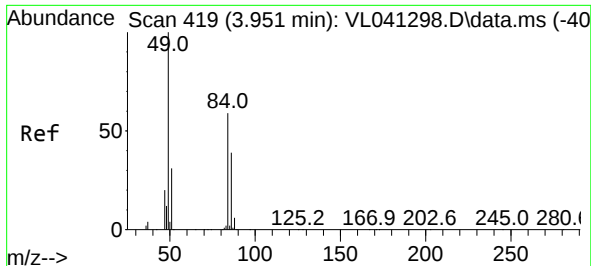
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#19
Isopropyl Alcohol
Concen: 2.547 ppbv m
RT: 3.610 min Scan# 313
Delta R.T. 0.016 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

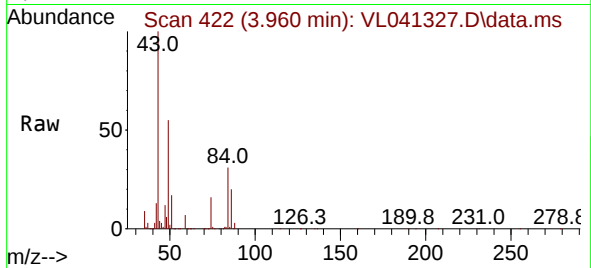
Tgt Ion: 45 Resp: 146632
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#





#20
Methylene Chloride
Concen: 5.755 ppbv
RT: 3.960 min Scan# 419
Delta R.T. 0.010 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

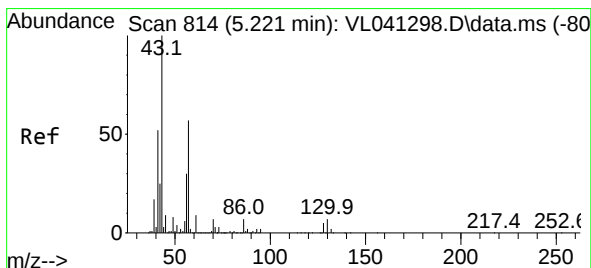
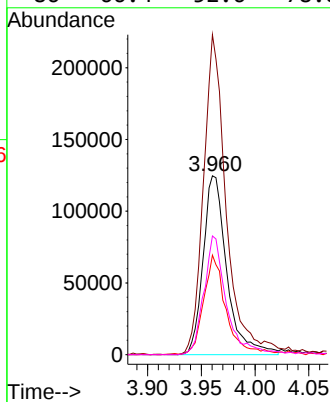
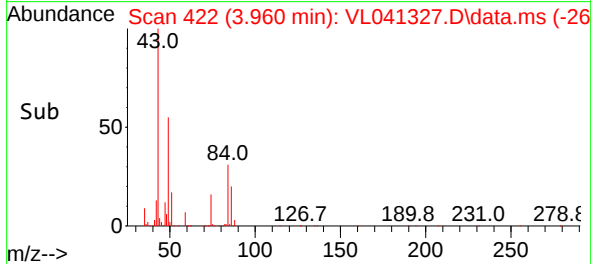
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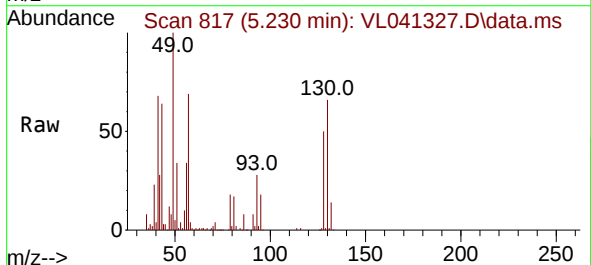
Tgt Ion: 84 Resp: 191668
Ion Ratio Lower Upper
84 100
49 178.9 136.2 204.2
51 55.3 41.9 62.9
86 66.4 52.6 78.8

Manual Integrations
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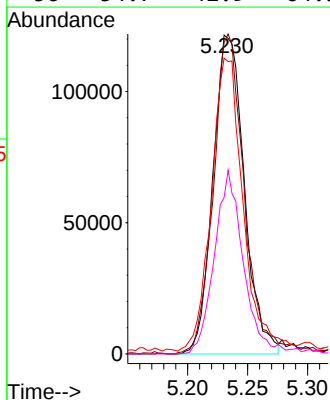
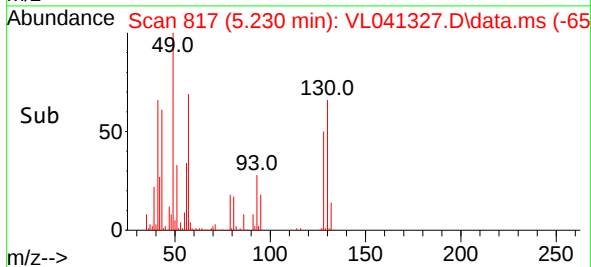
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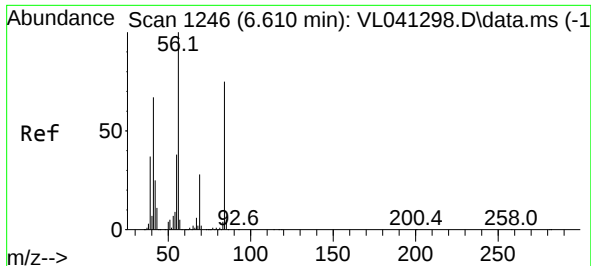


#26
Hexane
Concen: 2.699 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.010 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50



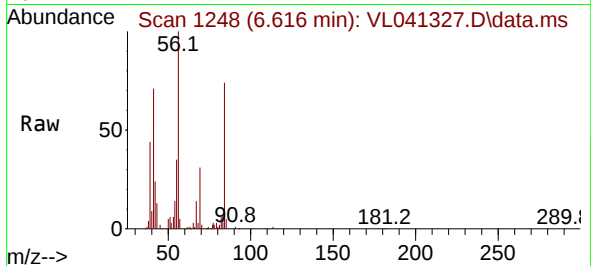
Tgt Ion: 57 Resp: 219997
Ion Ratio Lower Upper
57 100
41 102.1 77.1 115.7
43 92.8 186.1 279.1#
56 54.7 42.9 64.3





#30
Cyclohexane
Concen: 1.300 ppbv
RT: 6.616 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

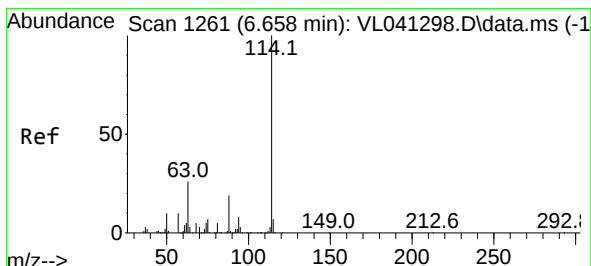
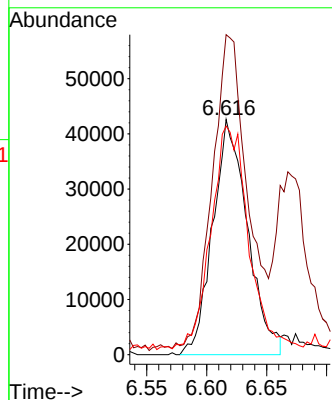
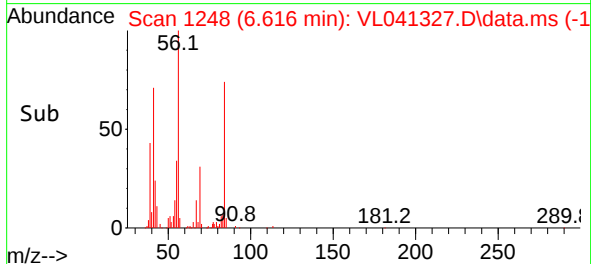
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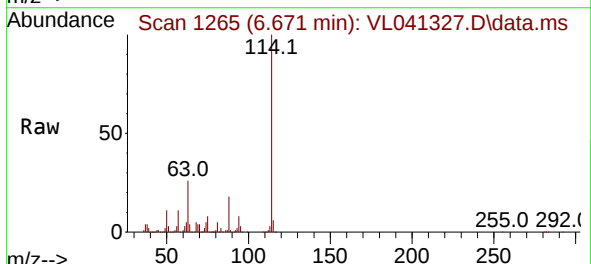
Tgt Ion: 84 Resp: 85902
Ion Ratio Lower Upper
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56 133.6 114.9 172.3
41 103.4 74.4 111.6

Manual Integrations
APPROVED

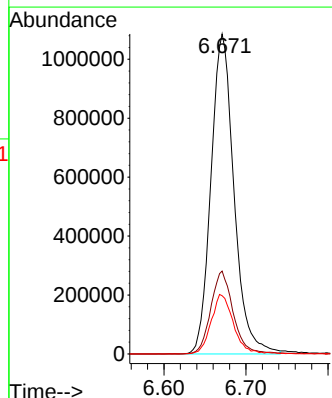
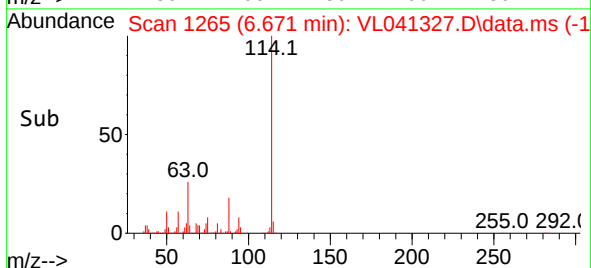
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024

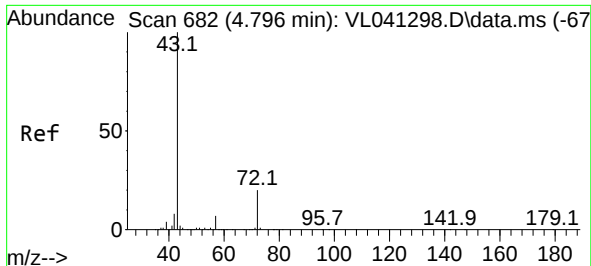


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.013 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50



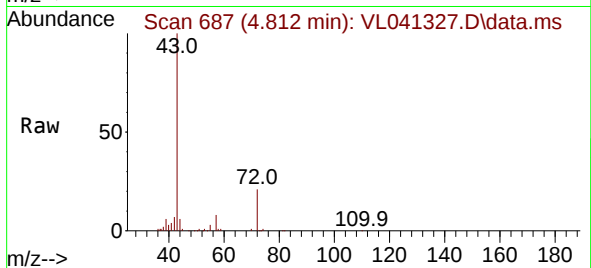
Tgt Ion:114 Resp: 2122089
Ion Ratio Lower Upper
114 100
63 25.5 20.6 30.8
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 1.079 ppbv
RT: 4.812 min Scan# 682
Delta R.T. 0.016 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

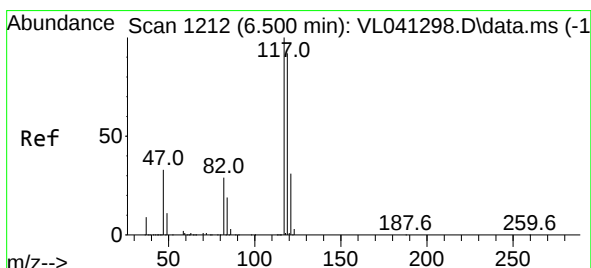
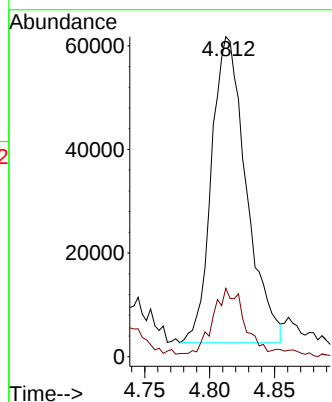
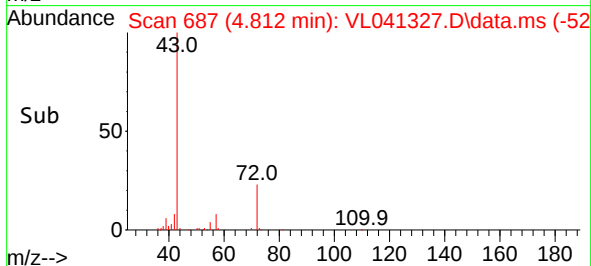
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 109728
Ion Ratio Lower Upper
43 100
72 22.8 17.4 26.0

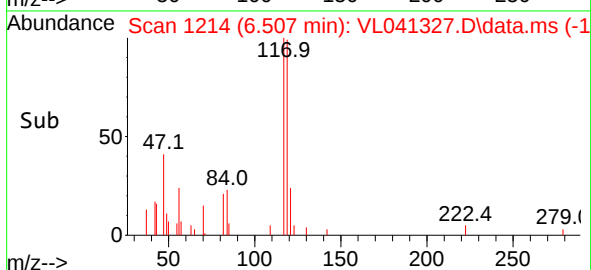
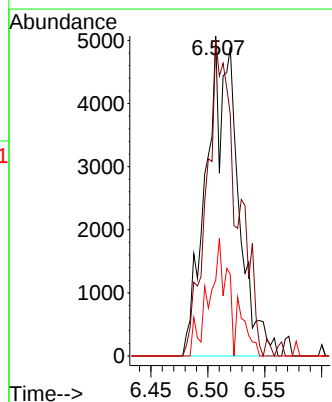
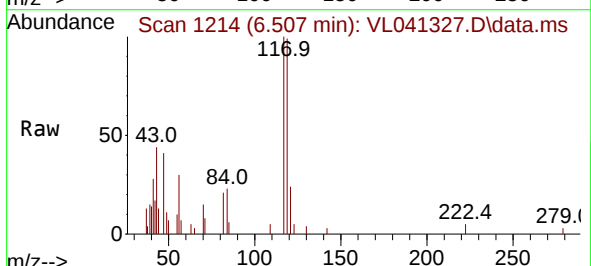
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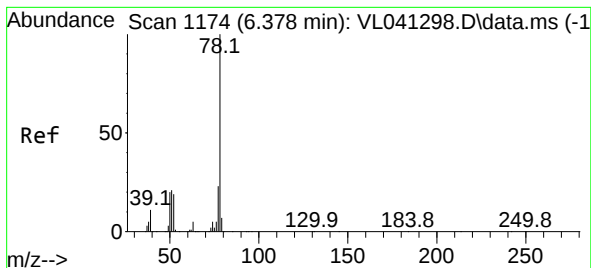
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 6.507 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

Tgt Ion:117 Resp: 9769
Ion Ratio Lower Upper
117 100
119 98.6 74.0 111.0
121 23.6 24.8 37.2#





#36

Benzene

Concen: 0.455 ppbv m

RT: 6.385 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 78 Resp: 7482

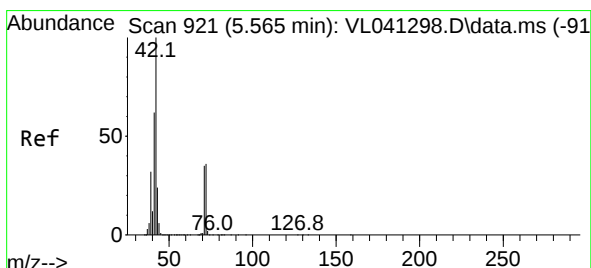
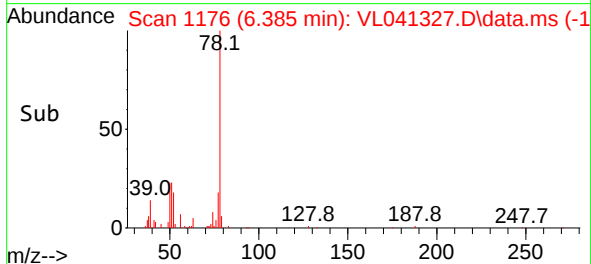
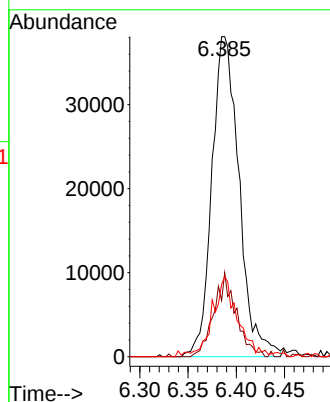
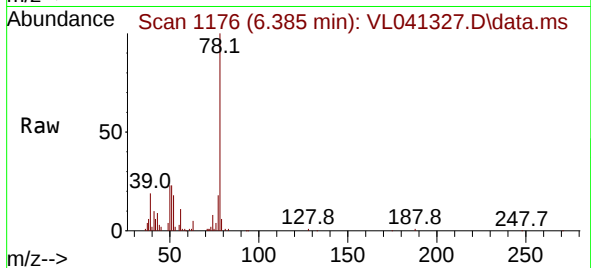
Ion	Ratio	Lower	Upper
78	100		
77	17.5	18.6	28.0
50	22.6	16.0	24.0

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#41

Tetrahydrofuran

Concen: 0.325 ppbv m

RT: 5.591 min Scan# 929

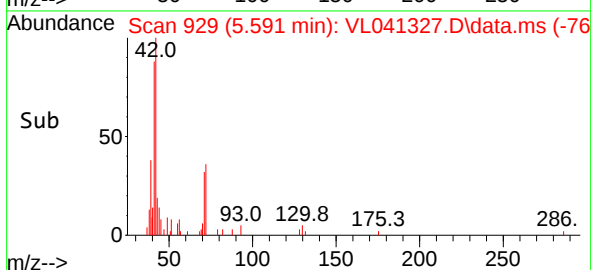
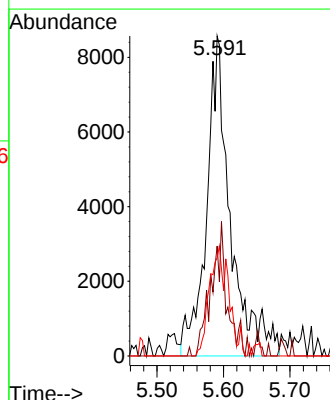
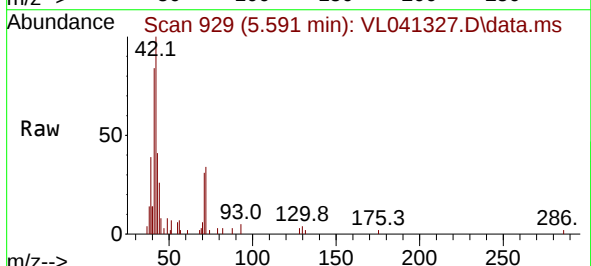
Delta R.T. 0.026 min

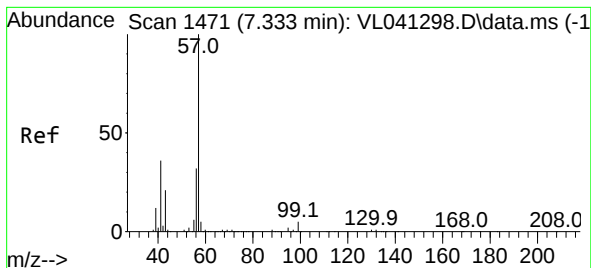
Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Tgt Ion: 42 Resp: 21499

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.4#
71	0.0	30.3	45.5#





#44

2,2,4-Trimethylpentane

Concen: 0.372 ppbv m

RT: 7.340 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 57 Resp: 10537

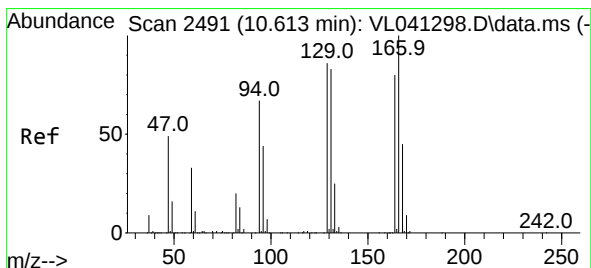
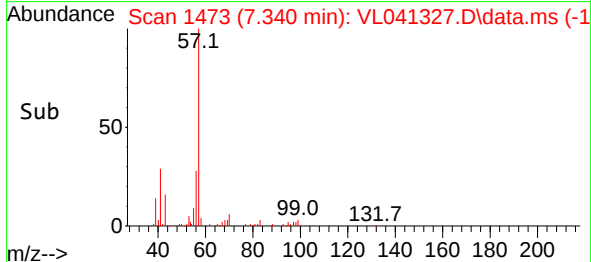
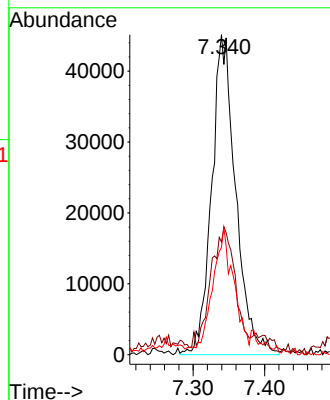
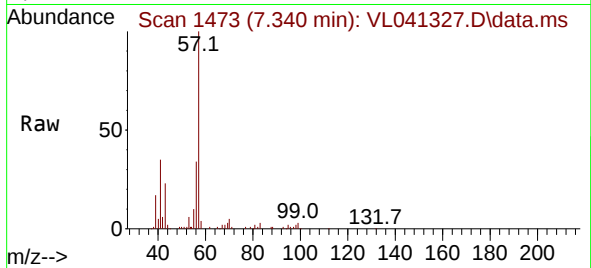
Ion	Ratio	Lower	Upper
57	100		
41	48.9	29.4	44.2
56	40.3	25.0	37.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#52

Tetrachloroethene

Concen: 0.068 ppbv m

RT: 10.635 min Scan# 2498

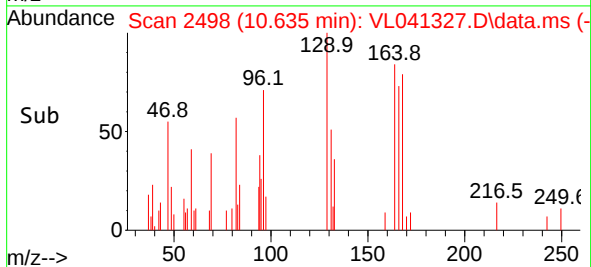
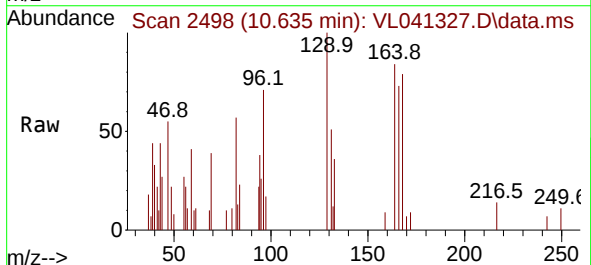
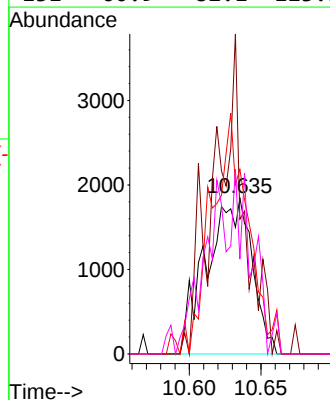
Delta R.T. 0.023 min

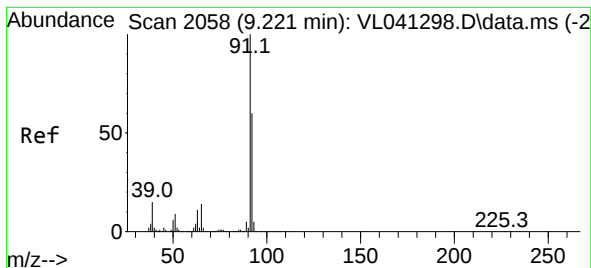
Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Tgt Ion:164 Resp: 4085

Ion	Ratio	Lower	Upper
164	100		
166	86.4	99.4	149.0
129	118.4	85.4	128.2
131	60.9	82.1	123.1





#53

Toluene

Concen: 2.037 ppbv

RT: 9.237 min Scan# 2058

Delta R.T. 0.016 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 385434

Ion Ratio Lower Upper

91 100

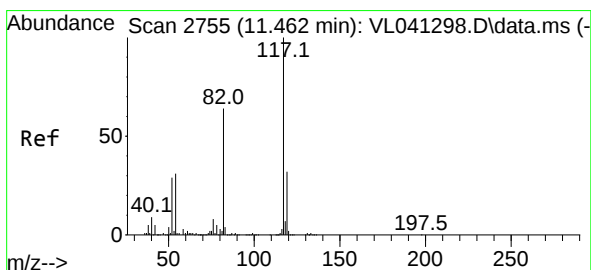
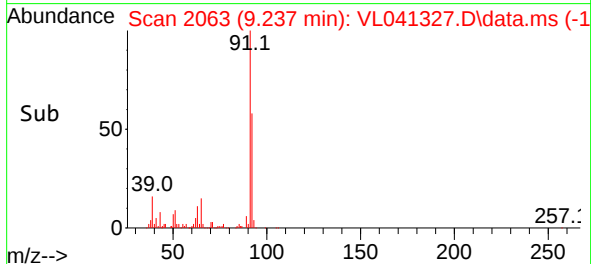
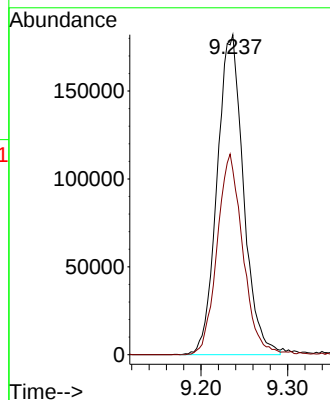
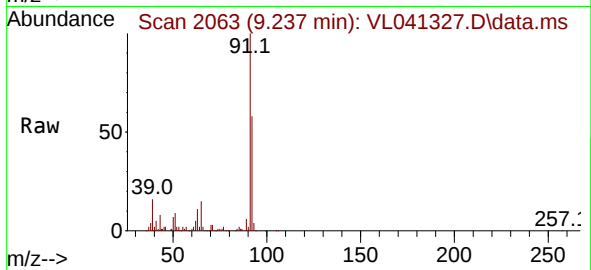
92 61.6 49.2 73.8

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 2760

Delta R.T. 0.016 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

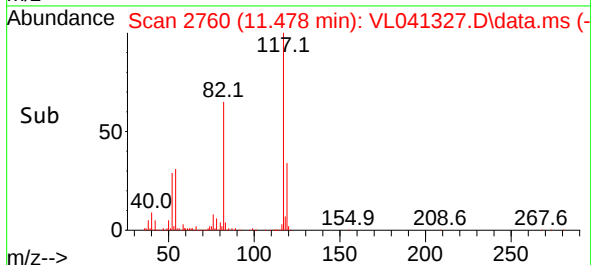
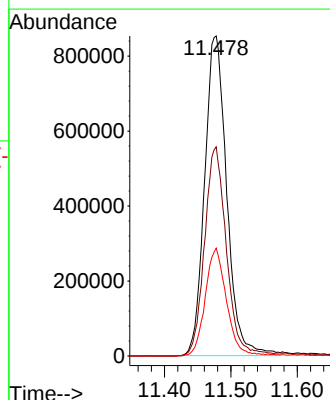
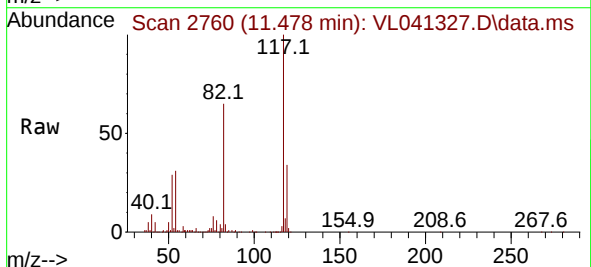
Tgt Ion:117 Resp: 1983419

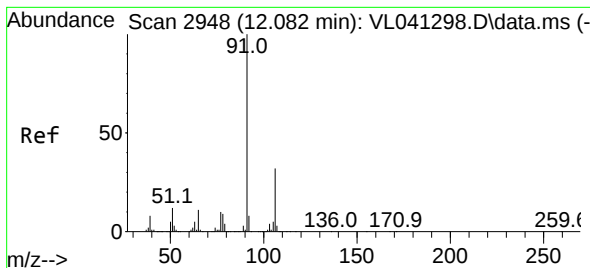
Ion Ratio Lower Upper

117 100

82 66.0 52.3 78.5

119 32.9 26.2 39.2





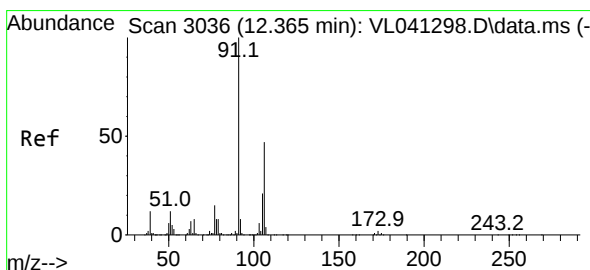
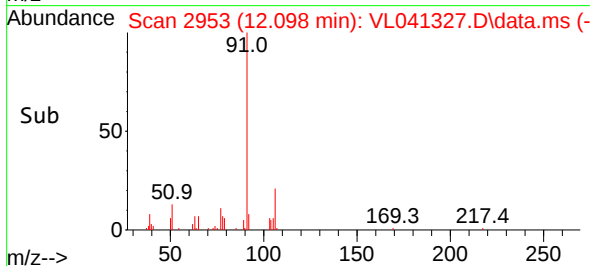
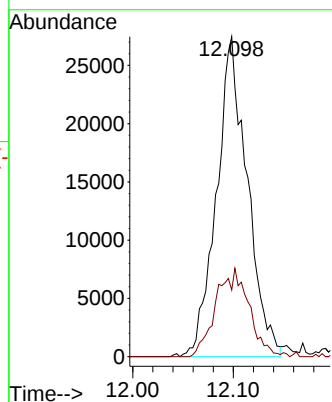
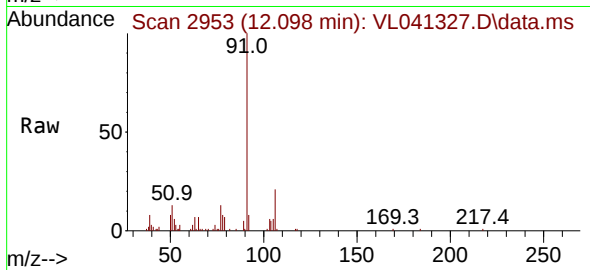
#58
Ethyl Benzene
Concen: 0.229 ppbv
RT: 12.098 min Scan# 2948
Delta R.T. 0.016 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 58302
Ion Ratio Lower Upper
91 100
106 20.9 25.5 38.3

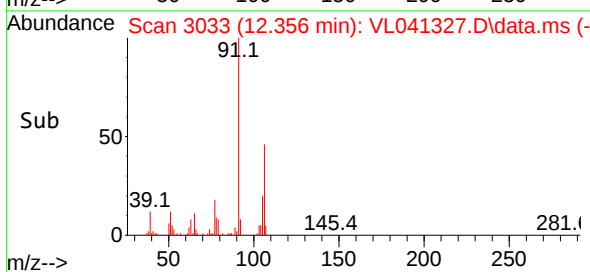
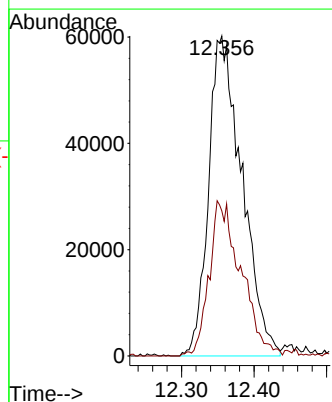
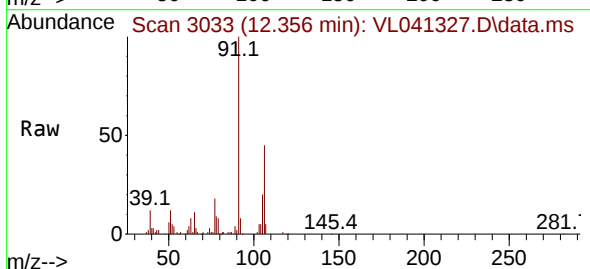
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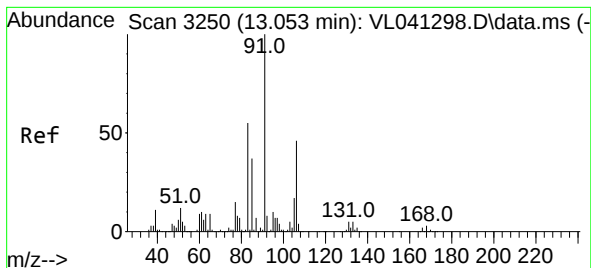
Reviewed By :Semsettin Yesilyurt 06/06/2024
Supervised By :Mahesh Dadoda 06/06/2024



#59
m/p-Xylene
Concen: 0.886 ppbv
RT: 12.356 min Scan# 3033
Delta R.T. -0.010 min
Lab File: VL041327.D
Acq: 5 Jun 2024 14:50

Tgt Ion: 91 Resp: 192960
Ion Ratio Lower Upper
91 100
106 46.7 35.7 53.5





#60

o-Xylene

Concen: 0.385 ppbv

RT: 13.069 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 7998

Ion Ratio Lower Upper

91 100

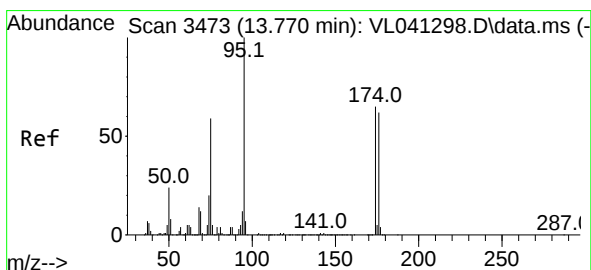
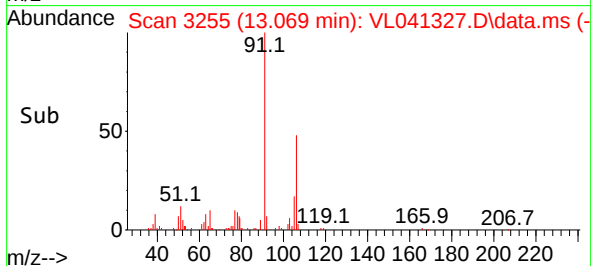
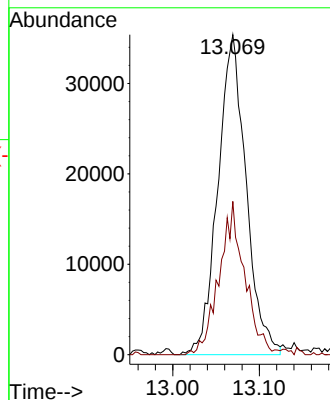
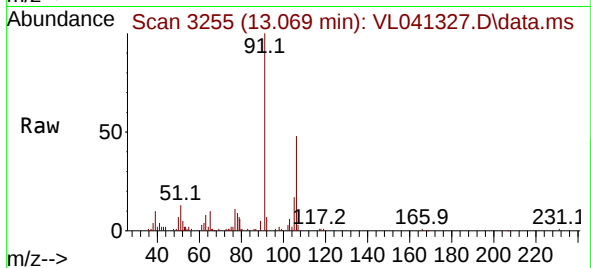
106 44.5 22.8 68.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2024

Supervised By :Mahesh Dadoda 06/06/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.968 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.013 min

Lab File: VL041327.D

Acq: 5 Jun 2024 14:50

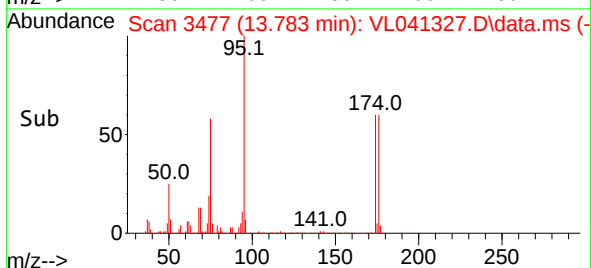
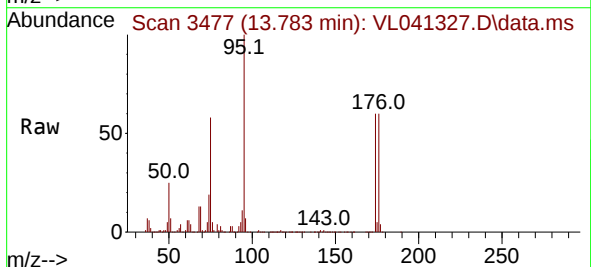
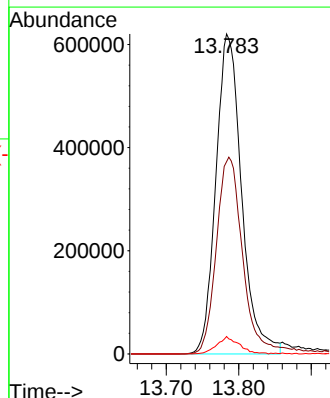
Tgt Ion: 95 Resp: 1526553

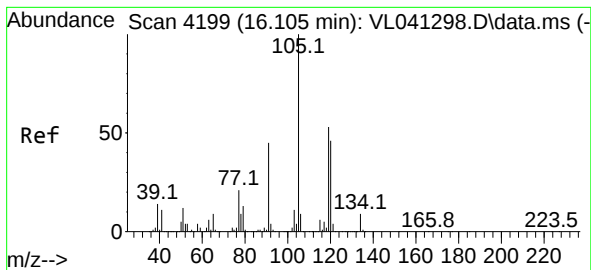
Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

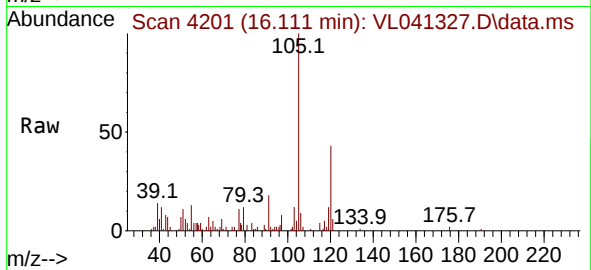
175 4.9 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.213 ppbv m
 RT: 16.111 min Scan# 4199
 Delta R.T. 0.006 min
 Lab File: VL041327.D
 Acq: 5 Jun 2024 14:50

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:	105	Resp:	50480
Ion Ratio	Lower	Upper	
105	100		
120	42.5	37.0	55.6
91	17.8	36.2	54.4
77	11.2	16.6	24.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

