

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040948.D
 Acq On : 22 Dec 2023 2:42
 Operator : SY/MD
 Sample : 05848-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 03:42:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1201418	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.639	114	3163174	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2777881	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2030365	9.923	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.761	85	26128	0.114	ppbv	96
3) Chlorodifluoromethane	2.681	51	21031	0.116	ppbv #	83
9) Propene	2.735	41	219217m	3.675	ppbv	
10) Heptane	7.561	43	324787	2.190	ppbv	99
13) Ethanol	3.269	45	55416m	3.682	ppbv	
15) Acetone	3.488	43	1431605	9.935	ppbv	93
20) Methylene Chloride	3.944	84	81269	1.582	ppbv #	94
25) Ethyl Acetate	5.211	43	472679	1.893	ppbv #	76
26) Hexane	5.211	57	674502	6.096	ppbv #	39
34) 2-Butanone	4.790	43	637842	3.812	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	80884m	0.193	ppbv	
51) 2-Hexanone	9.529	43	233859m	1.282	ppbv	
52) Tetrachloroethene	10.587	164	217970m	2.617	ppbv	
53) Toluene	9.198	91	92920	0.339	ppbv	98
59) m/p-Xylene	12.314	91	76842m	0.253	ppbv	
60) o-Xylene	13.027	91	37781m	0.132	ppbv	
74) 1,2,4-Trimethylbenzene	16.072	105	50780m	0.168	ppbv	

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

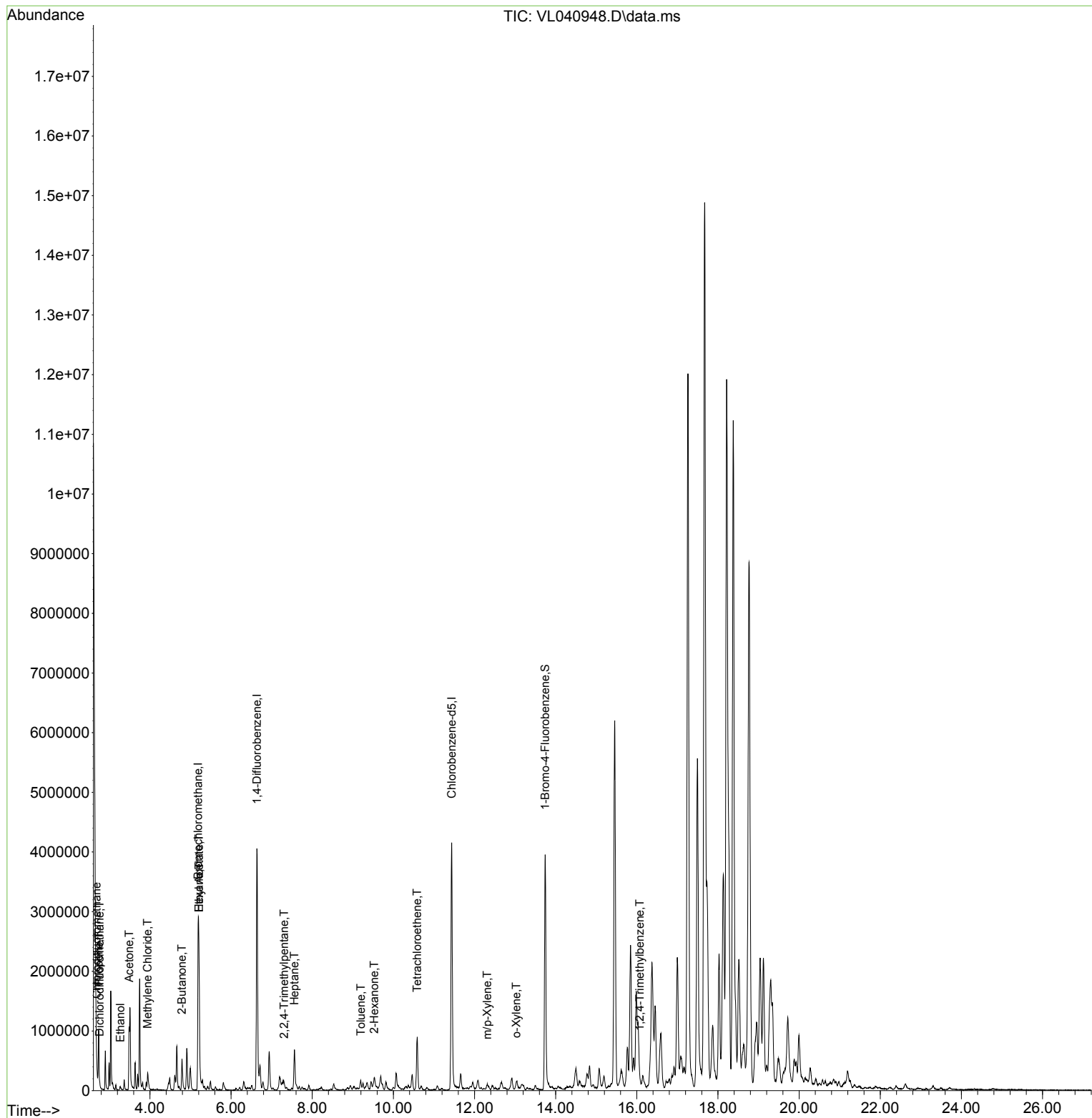
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040948.D
Acq On : 22 Dec 2023 2:42
Operator : SY/MD
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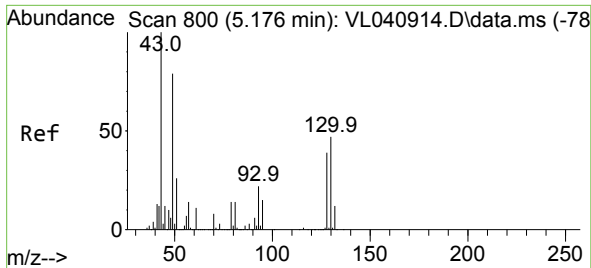
Instrument :
MSVOA_L
ClientSampleId :
SV5

Quant Time: Dec 22 03:42:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 21 07:32:42 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

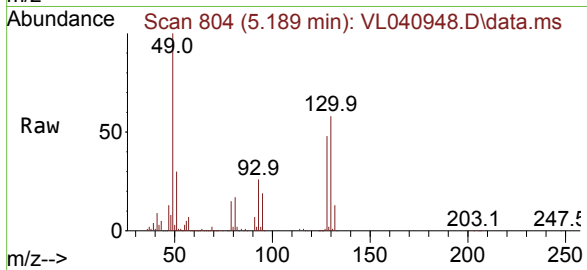
Reviewed By : Semsettin Yesilyurt 12/22/2023
Supervised By : Mahesh Dadoda 12/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

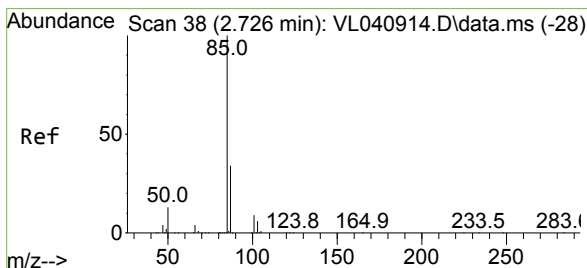
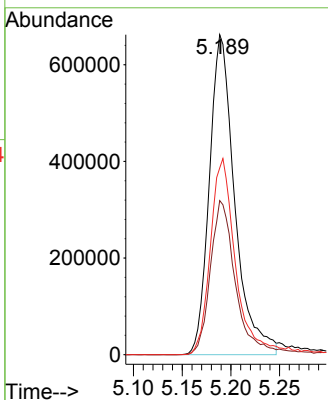
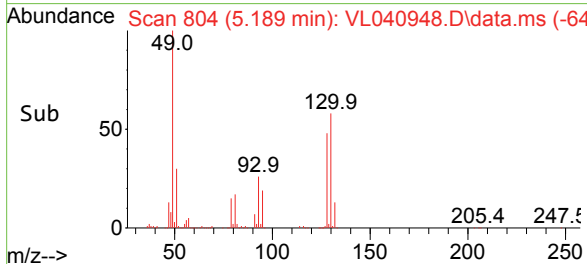
Instrument :
MSVOA_L
ClientSampleId :
SV5



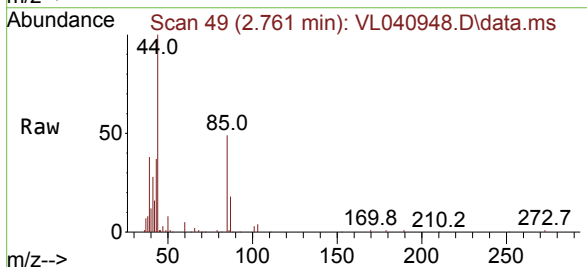
Tgt Ion: 49 Resp: 1201418
Ion Ratio Lower Upper
49 100
128 49.3 23.8 71.2
130 63.6 30.1 90.5

Manual Integrations
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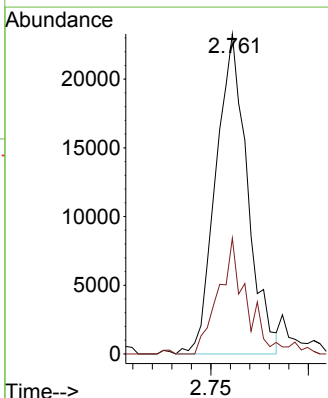
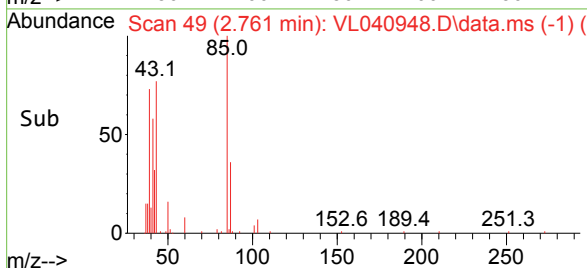
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

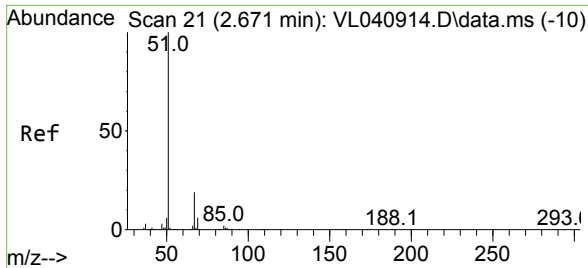


#2
Dichlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.035 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42



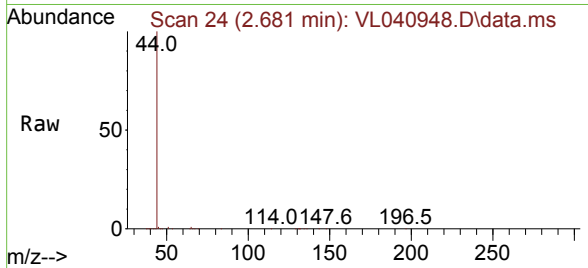
Tgt Ion: 85 Resp: 26128
Ion Ratio Lower Upper
85 100
87 36.2 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

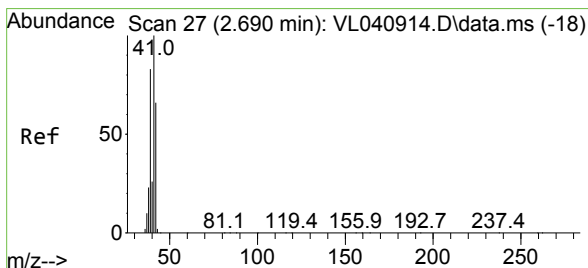
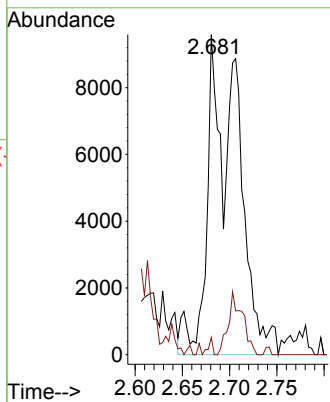
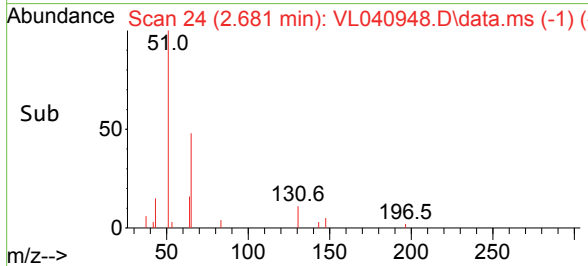
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 51 Resp: 2103
Ion Ratio Lower Upper
51 100
67 11.0 14.7 22.1

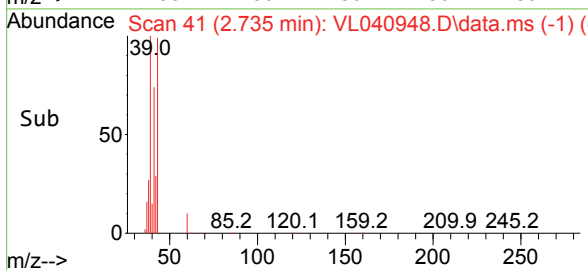
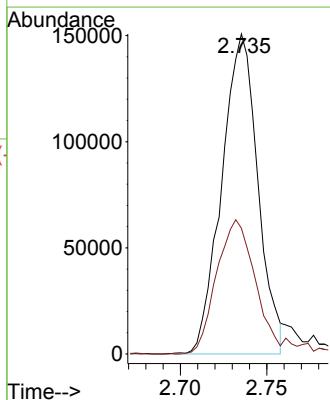
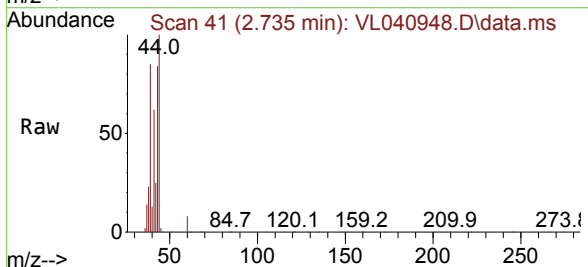
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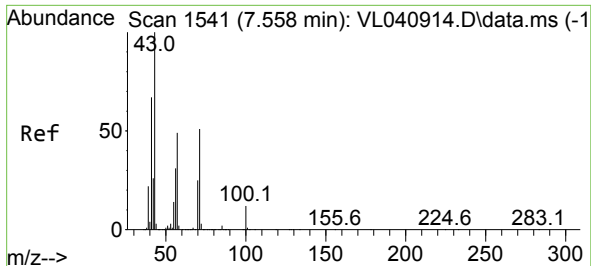
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#9
Propene
Concen: 3.675 ppbv m
RT: 2.735 min Scan# 41
Delta R.T. 0.045 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

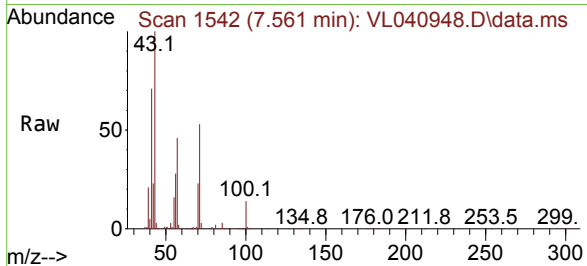
Tgt Ion: 41 Resp: 219217
Ion Ratio Lower Upper
41 100
42 53.1 55.8 83.6





#10
Heptane
Concen: 2.190 ppbv
RT: 7.561 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

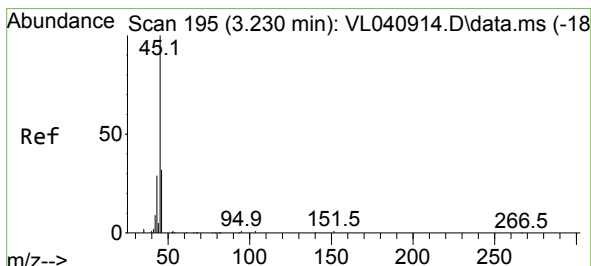
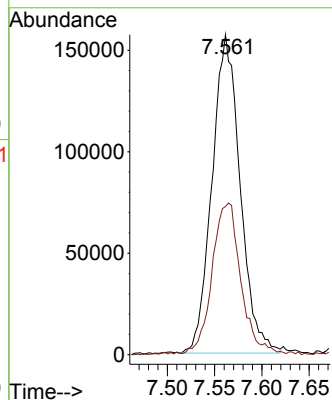
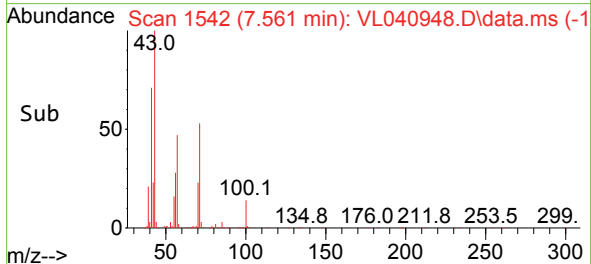
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 43 Resp: 32478
Ion Ratio Lower Upper
43 100
57 49.7 39.3 58.9

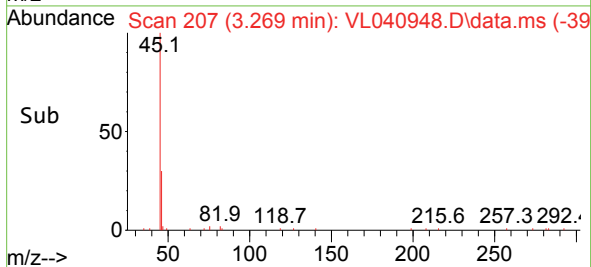
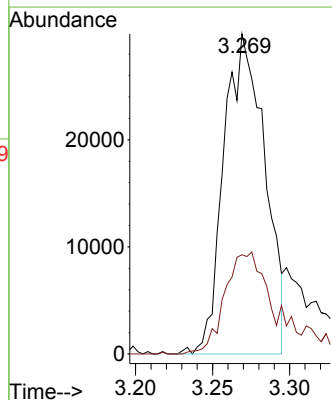
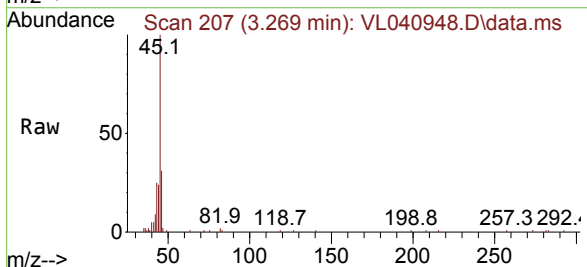
Manual Integrations
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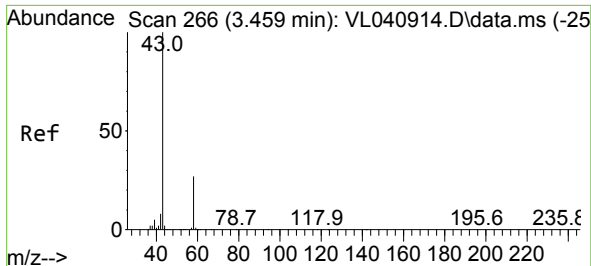
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#13
Ethanol
Concen: 3.682 ppbv m
RT: 3.269 min Scan# 207
Delta R.T. 0.039 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

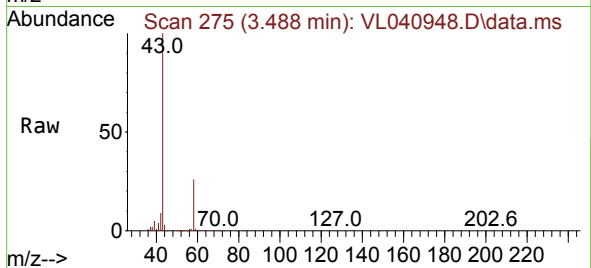
Tgt Ion: 45 Resp: 55416
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#





#15
Acetone
Concen: 9.935 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

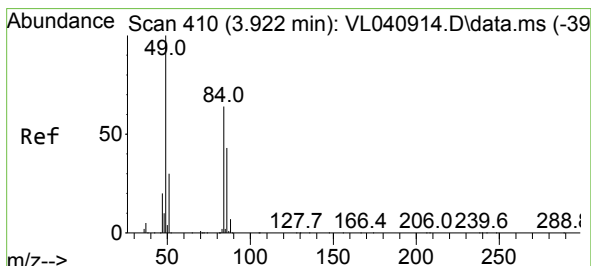
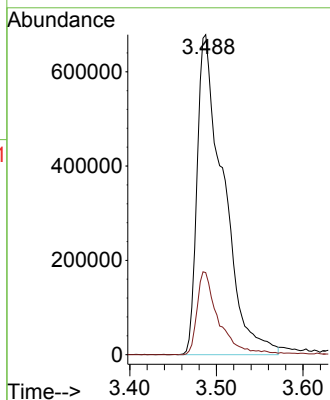
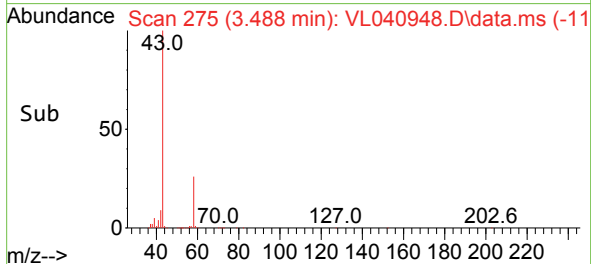
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion: 43 Resp: 143160
Ion Ratio Lower Upper
43 100
58 21.9 20.6 30.8

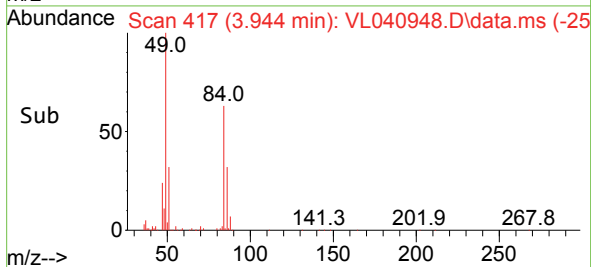
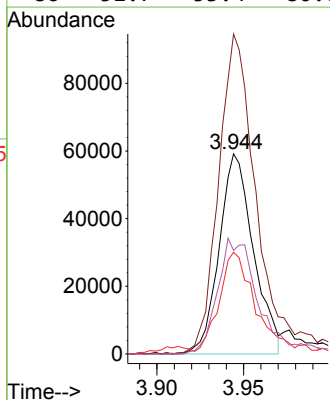
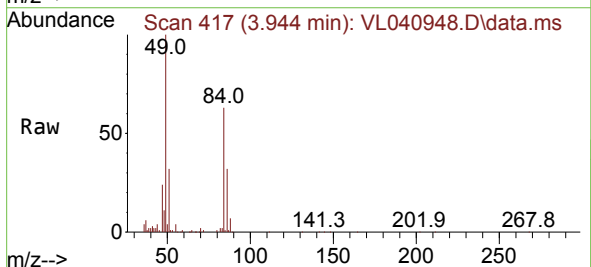
Manual Integrations
APPROVED

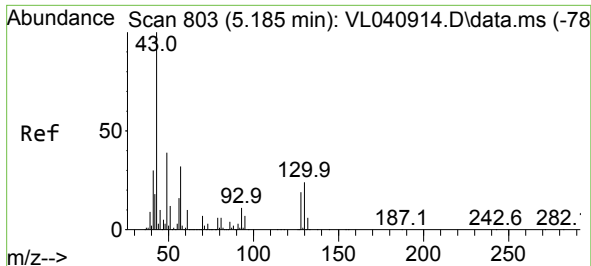
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#20
Methylene Chloride
Concen: 1.582 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.023 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

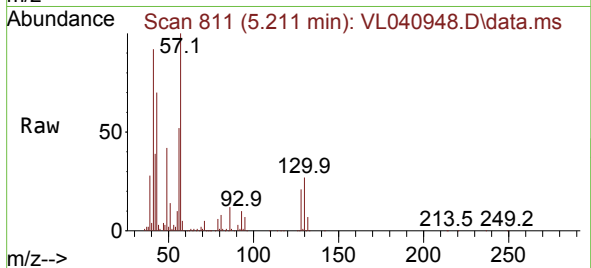
Tgt Ion: 84 Resp: 81269
Ion Ratio Lower Upper
84 100
49 159.2 124.6 187.0
51 47.1 37.2 55.8
86 51.7 53.4 80.0#





#25
Ethyl Acetate
Concen: 1.893 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.026 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

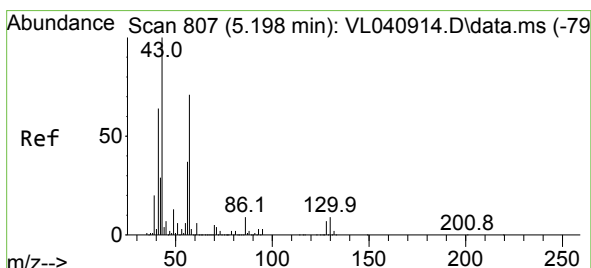
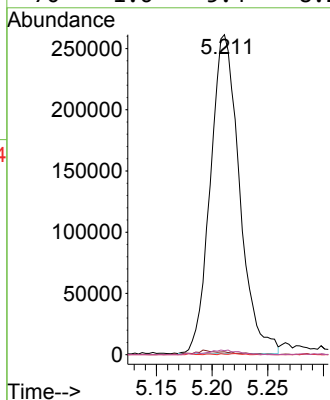
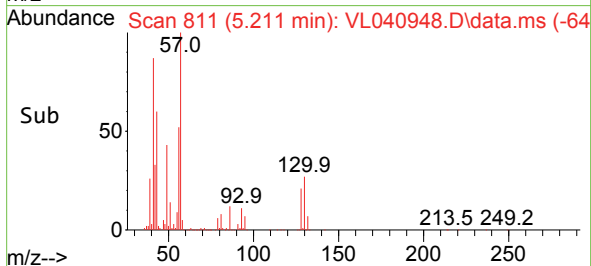
Instrument :
MSVOA_L
ClientSampleId :
SV5



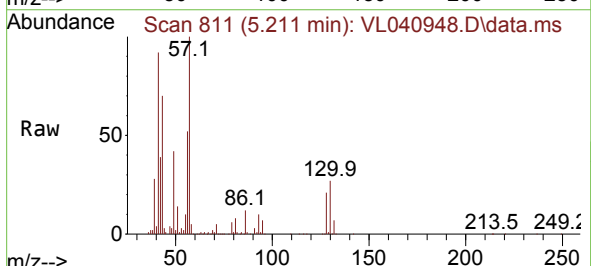
Tgt Ion: 43 Resp: 472679
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.2
61 0.3 7.6 11.4
70 1.6 5.4 8.2

Manual Integrations
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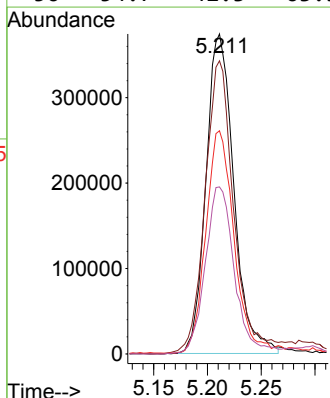
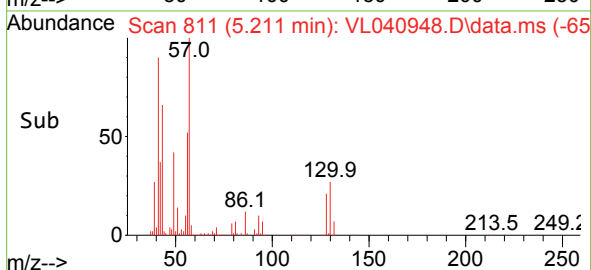
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

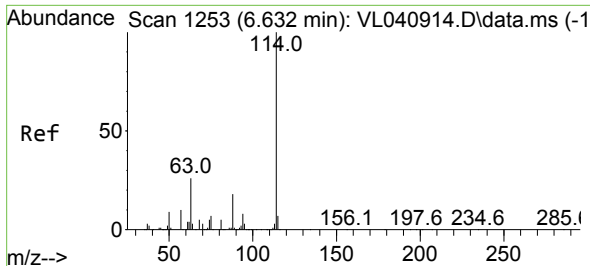


#26
Hexane
Concen: 6.096 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42



Tgt Ion: 57 Resp: 674502
Ion Ratio Lower Upper
57 100
41 99.6 75.2 112.8
43 74.0 188.0 282.0
56 54.7 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040948.D

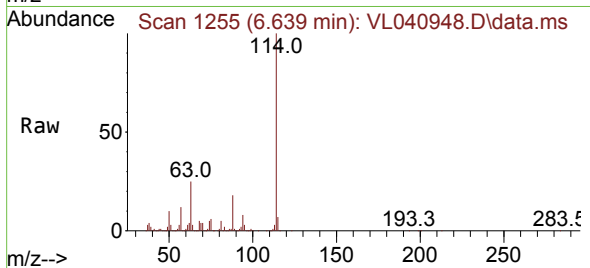
Acq: 22 Dec 2023 2:42

Instrument :

MSVOA_L

ClientSampleId :

SV5



Tgt Ion:114 Resp: 3163174

Ion Ratio Lower Upper

114 100

63 24.9 21.0 31.6

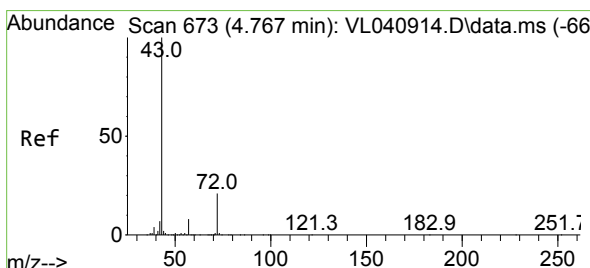
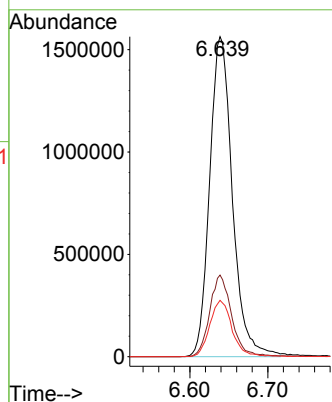
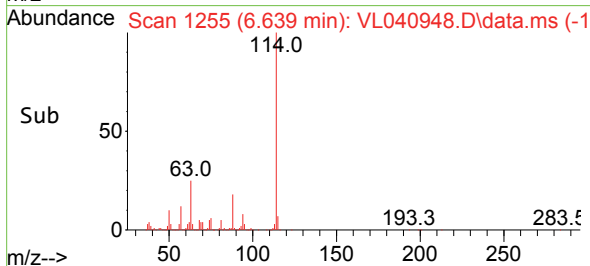
88 17.5 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/22/2023

Supervised By :Mahesh Dadoda 12/26/2023



#34

2-Butanone

Concen: 3.812 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.023 min

Lab File: VL040948.D

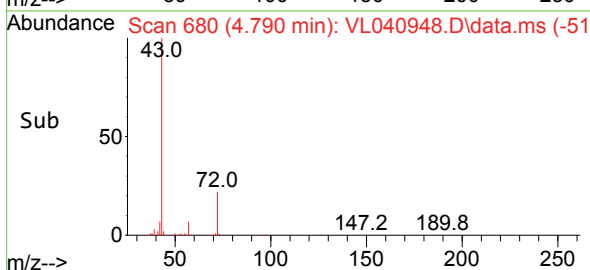
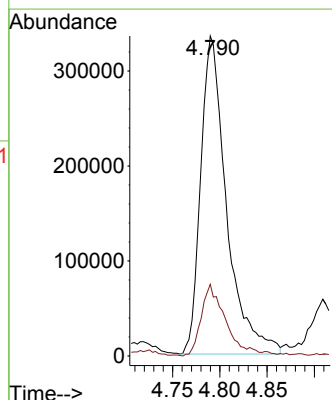
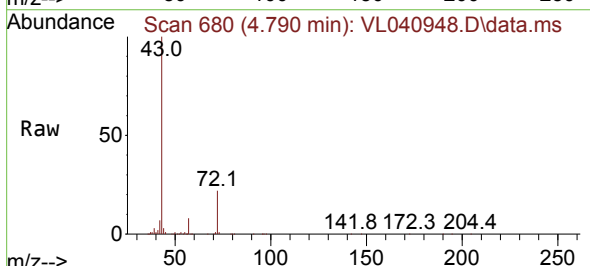
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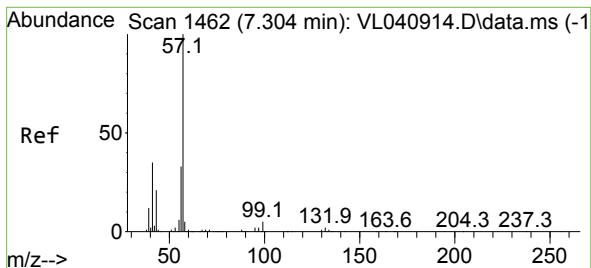
Tgt Ion: 43 Resp: 637842

Ion Ratio Lower Upper

43 100

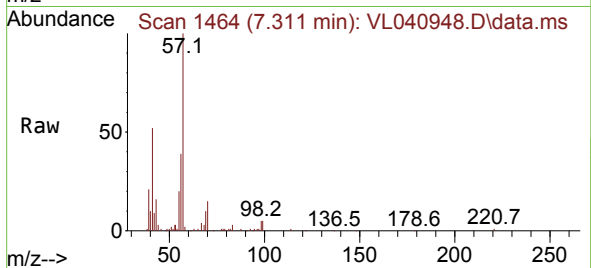
72 22.0 17.2 25.8





#44
2,2,4-Trimethylpentane
Concen: 0.193 ppbv m
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

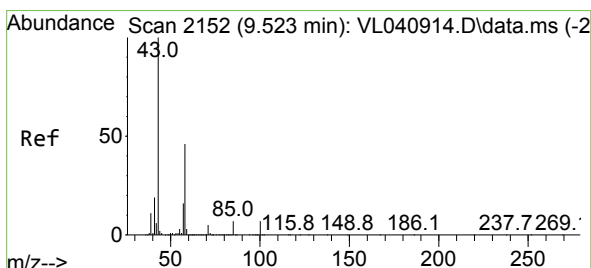
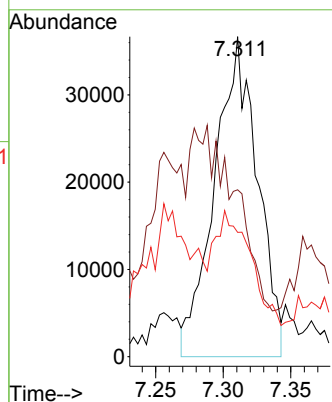
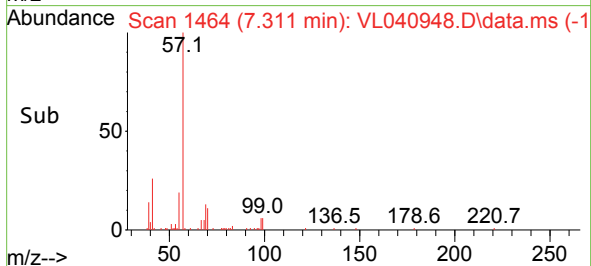
Instrument :
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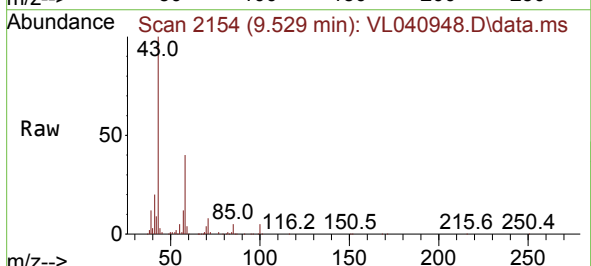
Tgt Ion: 57 Resp: 80884
Ion Ratio Lower Upper
57 100
41 137.2 28.2 42.4
56 46.3 25.3 37.9

Manual Integrations
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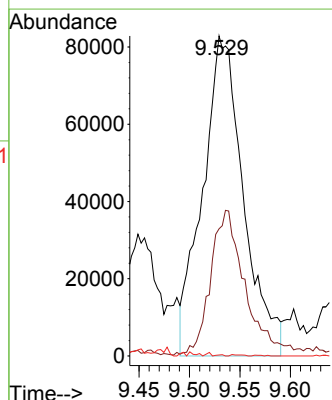
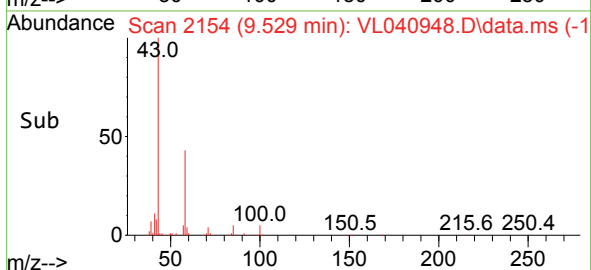
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

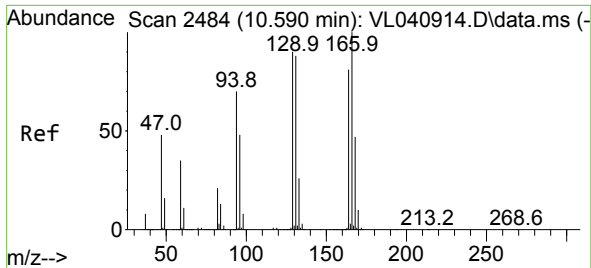


#51
2-Hexanone
Concen: 1.282 ppbv m
RT: 9.529 min Scan# 2154
Delta R.T. 0.007 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42



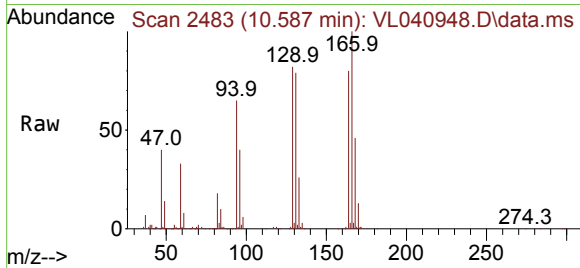
Tgt Ion: 43 Resp: 233859
Ion Ratio Lower Upper
43 100
58 40.2 37.3 55.9
98 0.2 0.2 0.2





#52
Tetrachloroethene
Concen: 2.617 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

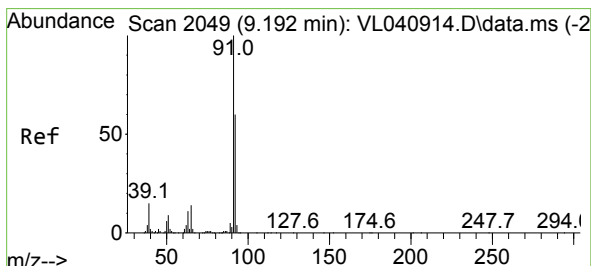
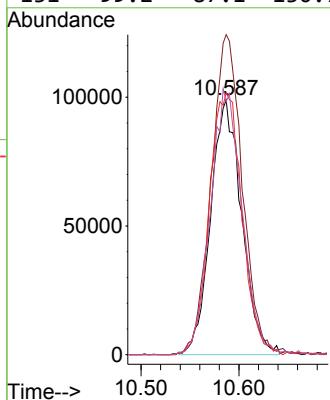
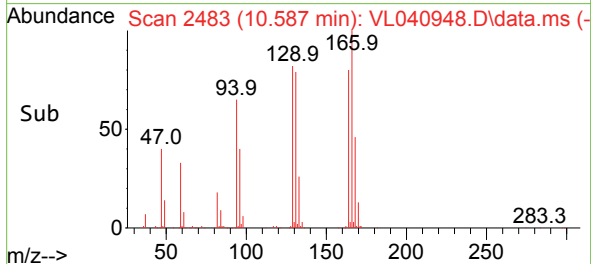
Instrument :
MSVOA_L
ClientSampleId :
SV5



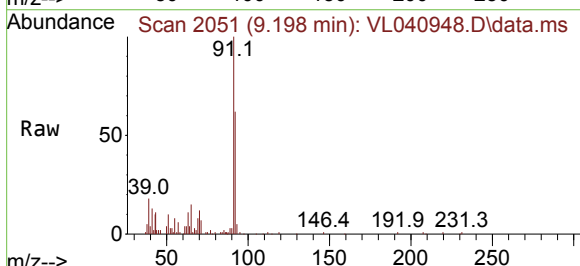
Tgt Ion:164 Resp: 217970
Ion Ratio Lower Upper
164 100
166 125.7 98.9 148.3
129 102.9 88.7 133.1
131 99.2 87.1 130.7

Manual Integrations
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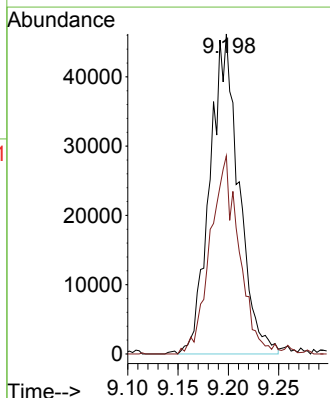
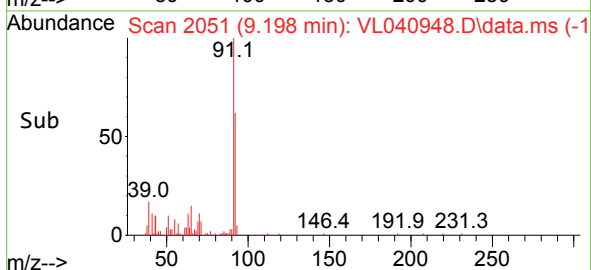
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023

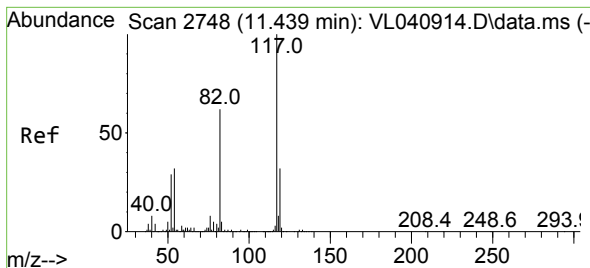


#53
Toluene
Concen: 0.339 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42



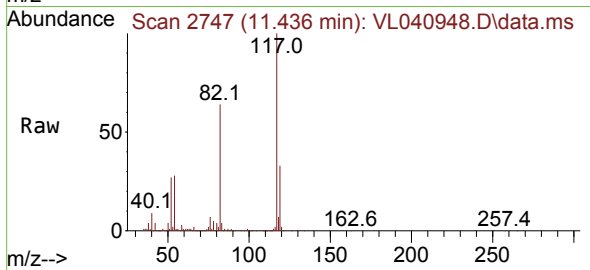
Tgt Ion: 91 Resp: 92920
Ion Ratio Lower Upper
91 100
92 62.7 49.2 73.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

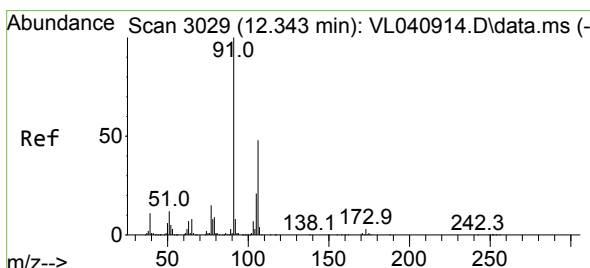
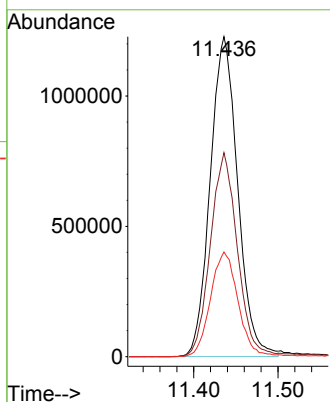
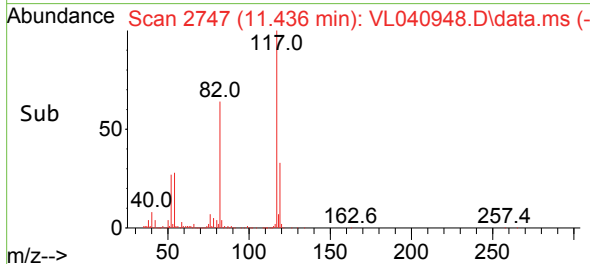
Instrument :
MSVOA_L
ClientSampleId :
SV5



Tgt Ion:117 Resp: 277788
Ion Ratio Lower Upper
117 100
82 64.4 49.6 74.4
119 33.1 23.4 35.0

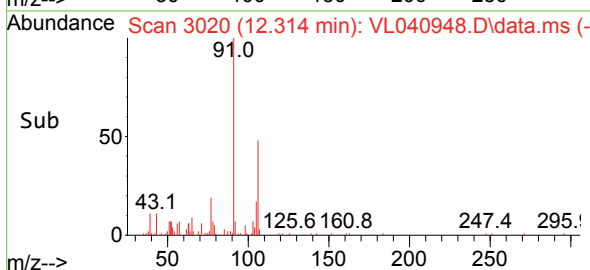
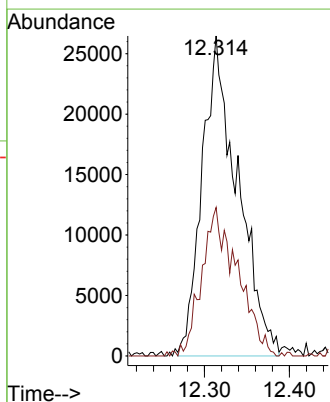
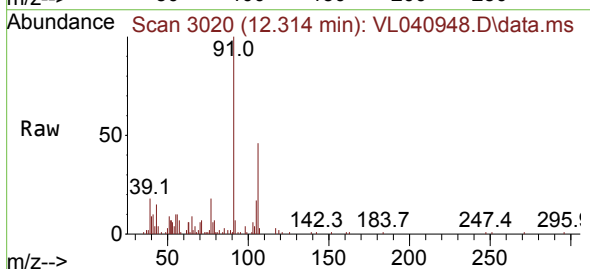
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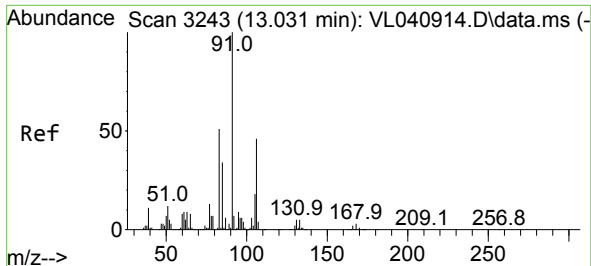
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#59
m/p-Xylene
Concen: 0.253 ppbv m
RT: 12.314 min Scan# 3020
Delta R.T. -0.029 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

Tgt Ion: 91 Resp: 76842
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0





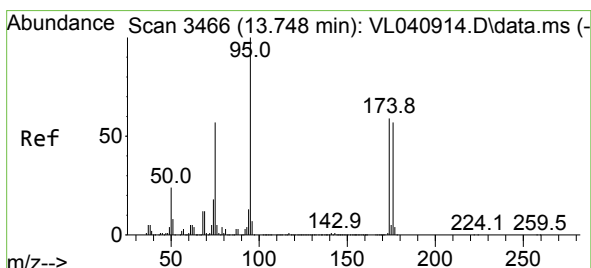
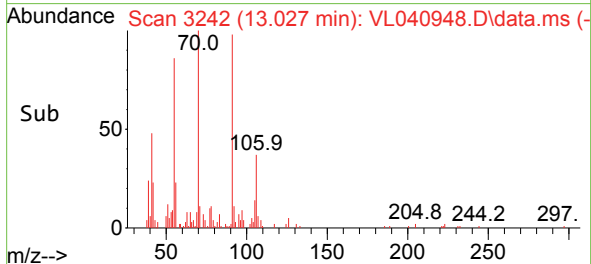
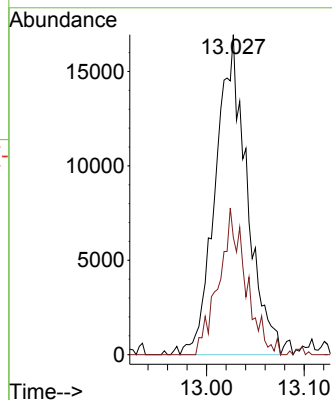
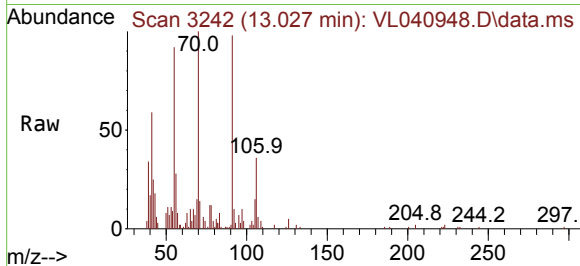
#60
o-Xylene
Concen: 0.132 ppbv m
RT: 13.027 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tgt Ion: 91 Resp: 3778
Ion Ratio Lower Upper
91 100
106 39.8 22.6 67.7

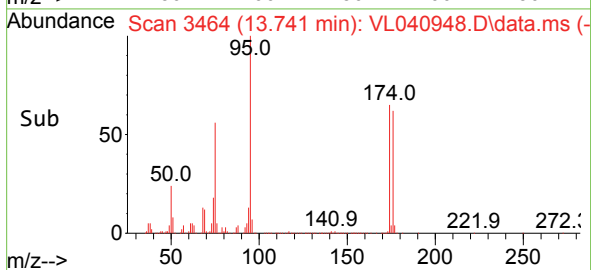
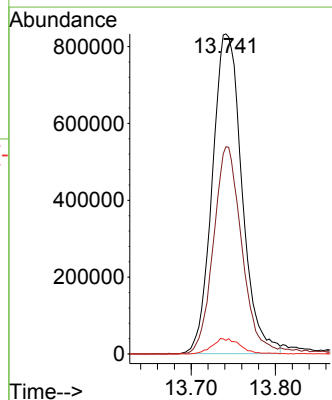
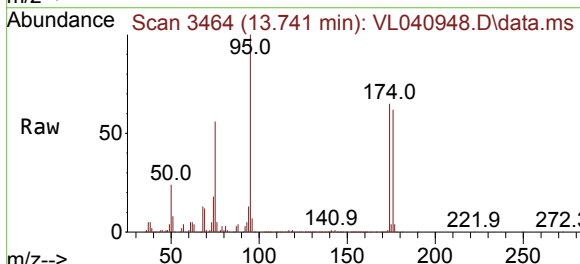
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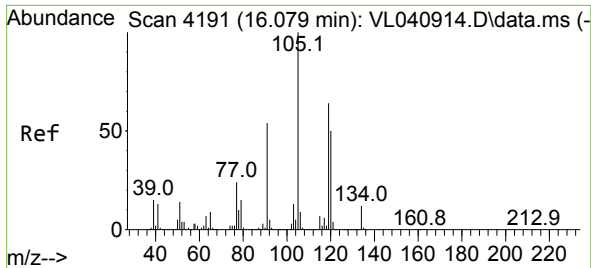
Reviewed By :Semsettin Yesilyurt 12/22/2023
Supervised By :Mahesh Dadoda 12/26/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.923 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040948.D
Acq: 22 Dec 2023 2:42

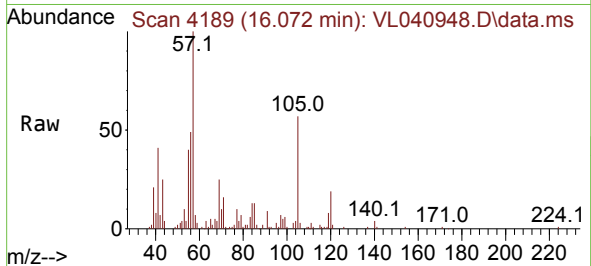
Tgt Ion: 95 Resp: 2030365
Ion Ratio Lower Upper
95 100
174 64.3 48.0 72.0
175 4.6 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.168 ppbv m
 RT: 16.072 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040948.D
 Acq: 22 Dec 2023 2:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5



Tgt Ion:	105	Resp:	50780
Ion Ratio	Lower	Upper	
105	100		
120	32.5	40.2	60.4
91	15.7	43.0	64.6
77	17.3	18.9	28.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/22/2023
 Supervised By :Mahesh Dadoda 12/26/2023

