

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041072.D
 Acq On : 15 Feb 2024 15:32
 Operator : SY/MD
 Sample : P1490-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024
 Supervised By :Mahesh Dadoda 02/20/2024

Quant Time: Feb 16 04:09:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Feb 16 04:05:22 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	974526m	10.000	ppbv	0.05
33) 1,4-Difluorobenzene	6.665	114	3262865	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.465	117	2919087	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2200977	9.983	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	138383	0.643	ppbv	96
3) Chlorodifluoromethane	2.661	51	47209m	0.288	ppbv	
4) Chloromethane	2.800	50	38395	0.625	ppbv	100
10) Heptane	7.578	43	360071	2.721	ppbv	99
11) Trichlorofluoromethane	3.549	101	43148	0.249	ppbv	99
13) Ethanol	3.247	45	2230423	174.069	ppbv	93
15) Acetone	3.456	43	37918182m	304.266	ppbv	
19) Isopropyl Alcohol	3.584	45	15473936	214.503	ppbv #	92
20) Methylene Chloride	3.941	84	1168002	24.356	ppbv	99
25) Ethyl Acetate	5.205	43	31337372m	138.678	ppbv	
29) Chloroform	5.292	83	33313	0.195	ppbv	89
34) 2-Butanone	4.793	43	122113	0.786	ppbv	98
35) Carbon Tetrachloride	6.494	117	12215m	0.056	ppbv	
36) Benzene	6.375	78	45573m	0.169	ppbv	
43) Methyl Methacrylate	7.478	69	3259957	31.350	ppbv	95
52) Tetrachloroethene	10.616	164	651455	7.280	ppbv	98
53) Toluene	9.221	91	1176105	3.984	ppbv	99
59) m/p-Xylene	12.368	91	57906m	0.169	ppbv	

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

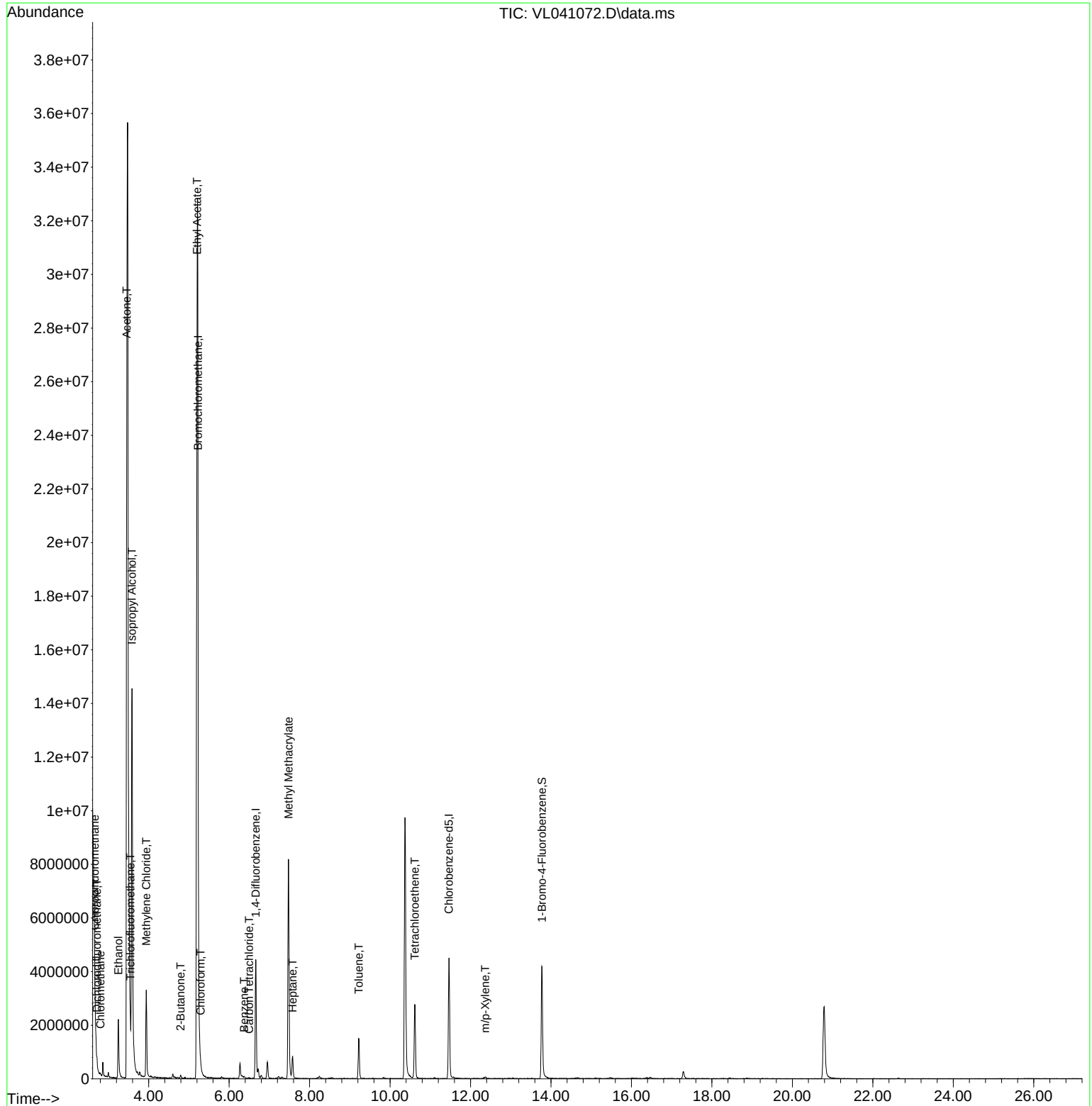
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041072.D
Acq On : 15 Feb 2024 15:32
Operator : SY/MD
Sample : P1490-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

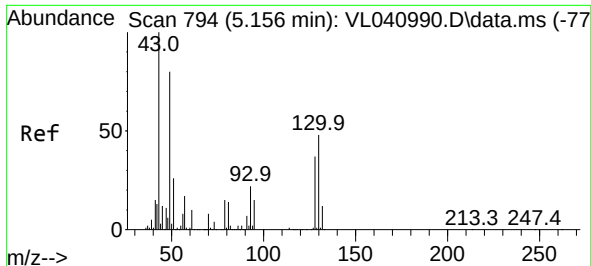
Instrument :
MSVOA_L
ClientSampleId :
IA1

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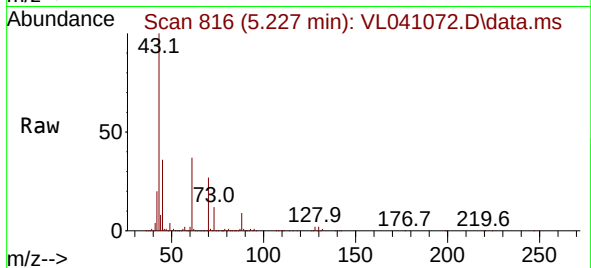
Quant Time: Feb 16 04:09:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv m
RT: 5.227 min Scan# 81
Delta R.T. 0.051 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

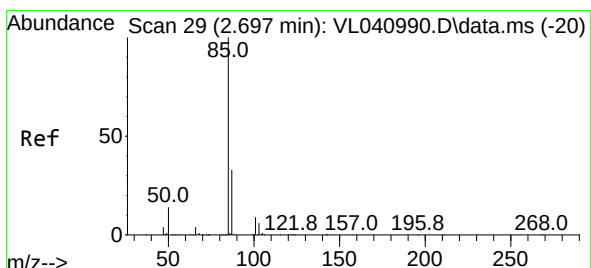
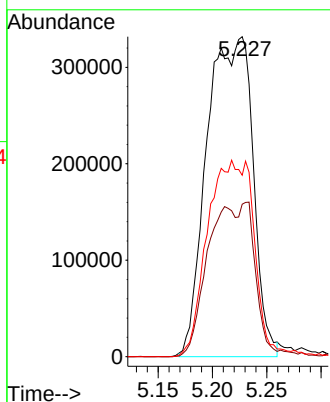
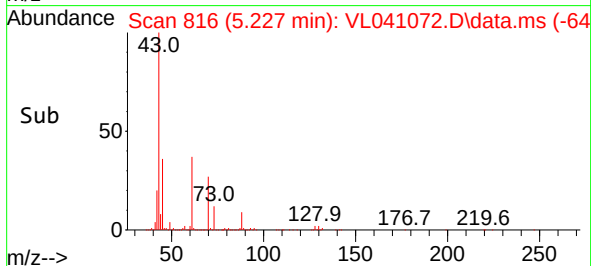
Instrument :
MSVOA_L
ClientSampleId :
IA1



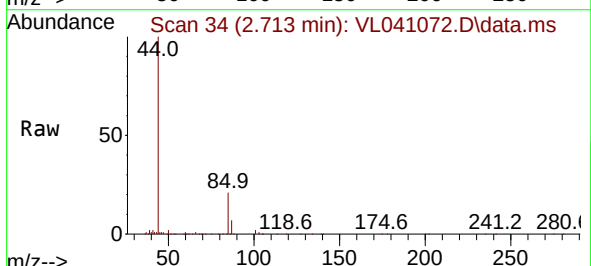
Tgt Ion: 49 Resp: 974520
Ion Ratio Lower Upper
49 100
128 0.0 23.9 71.7
130 0.0 31.1 93.5

Manual Integrations
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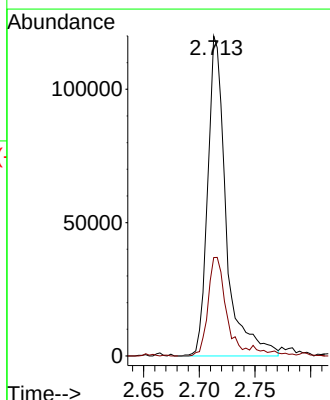
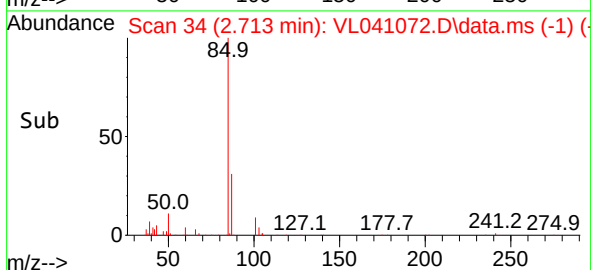
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

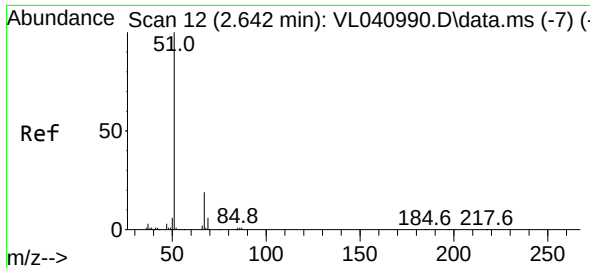


#2
Dichlorodifluoromethane
Concen: 0.643 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32



Tgt Ion: 85 Resp: 138383
Ion Ratio Lower Upper
85 100
87 30.8 26.3 39.5





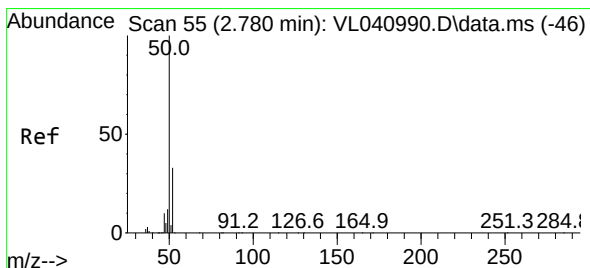
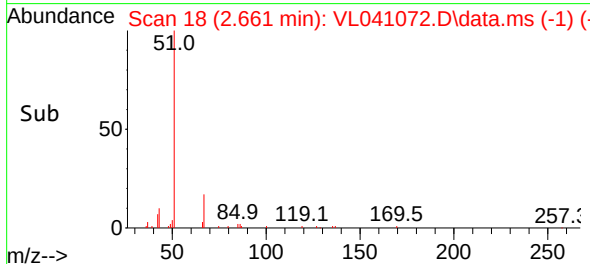
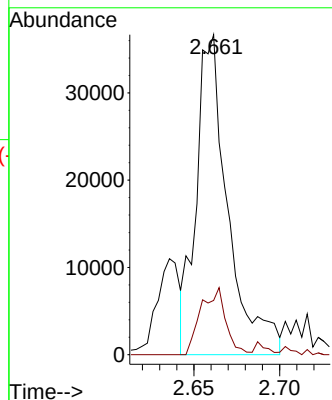
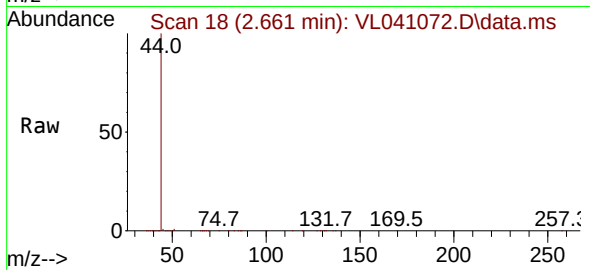
#3
Chlorodifluoromethane
Concen: 0.288 ppbv m
RT: 2.661 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 47209
Ion Ratio Lower Upper
51 100
67 16.5 14.8 22.2

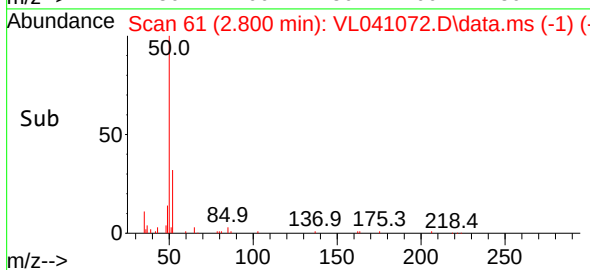
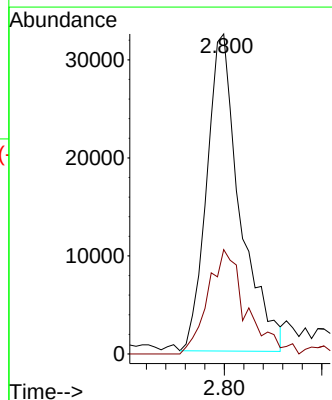
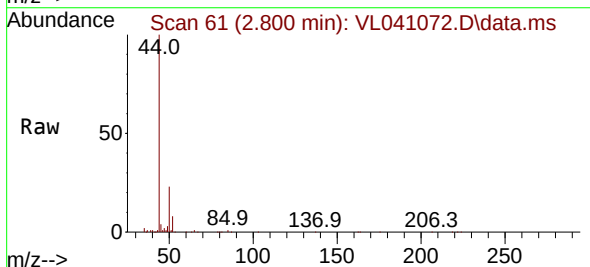
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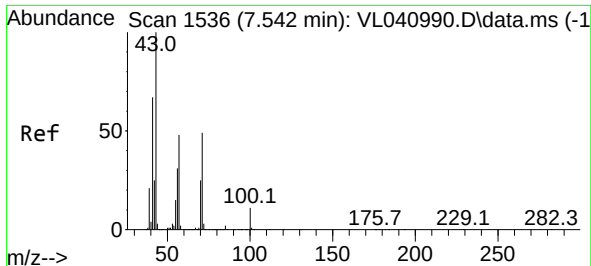
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#4
Chloromethane
Concen: 0.625 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

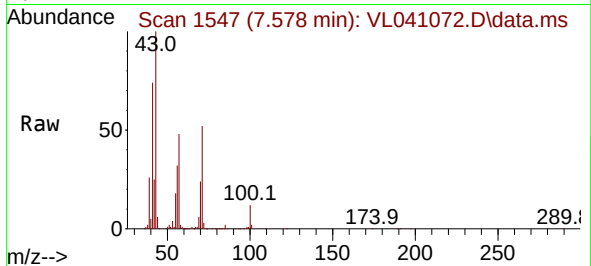
Tgt Ion: 50 Resp: 38395
Ion Ratio Lower Upper
50 100
52 32.9 26.2 39.4





#10
Heptane
Concen: 2.721 ppbv
RT: 7.578 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

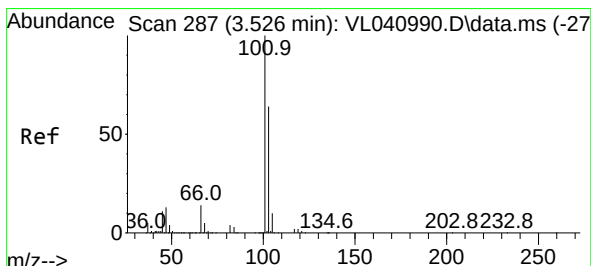
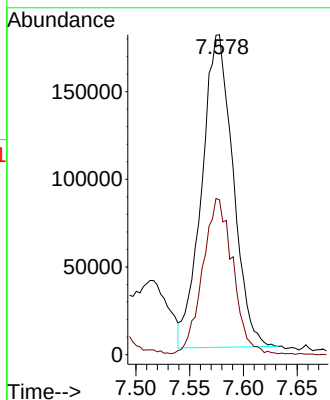
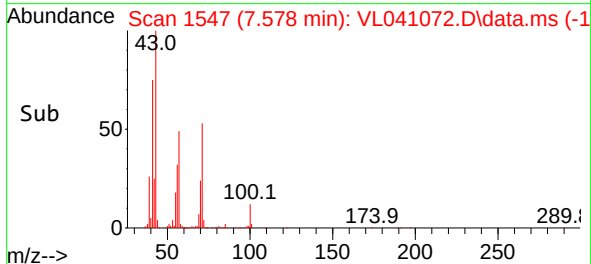
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 36007
Ion Ratio Lower Upper
43 100
57 48.8 39.4 59.2

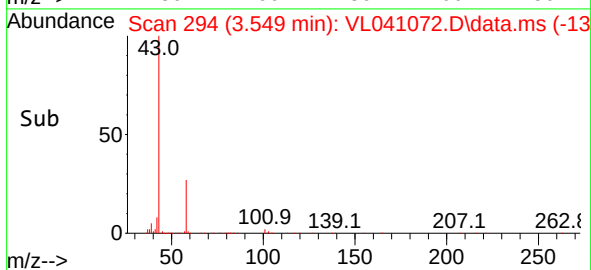
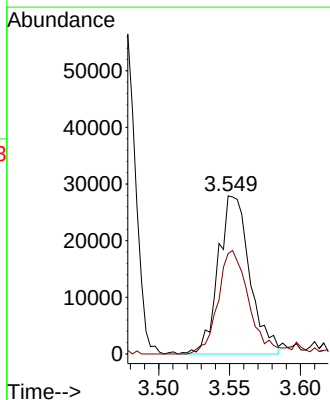
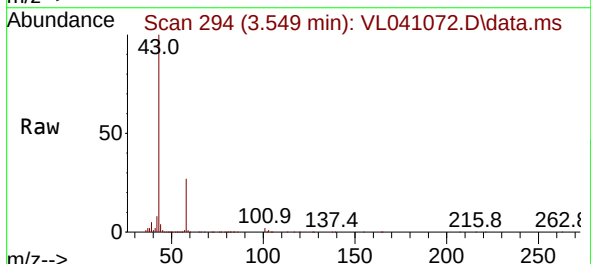
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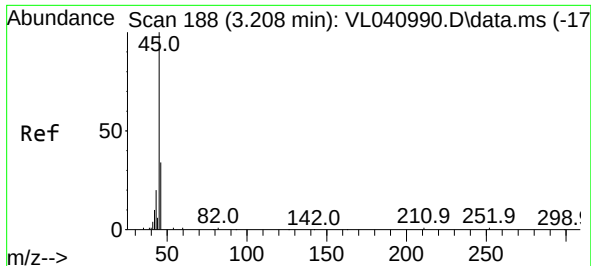
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#11
Trichlorofluoromethane
Concen: 0.249 ppbv
RT: 3.549 min Scan# 294
Delta R.T. 0.007 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

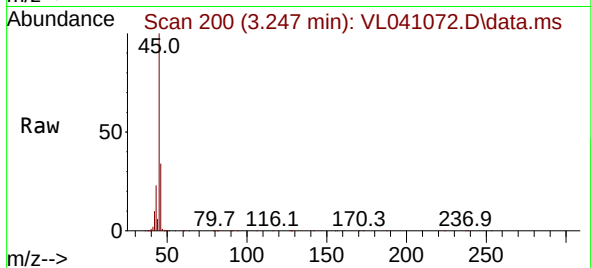
Tgt Ion:101 Resp: 43148
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2





#13
Ethanol
Concen: 174.069 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.029 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

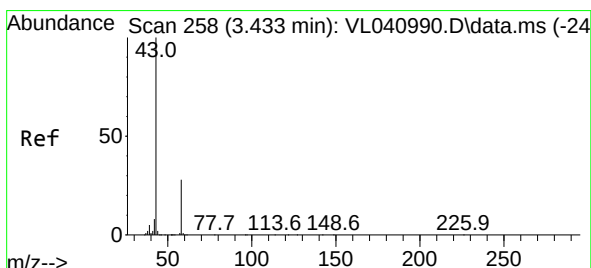
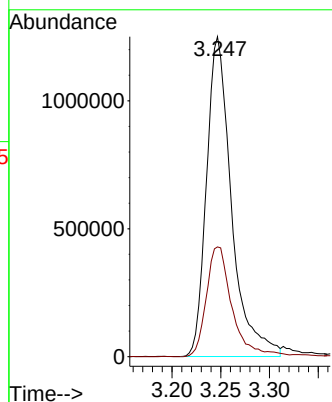
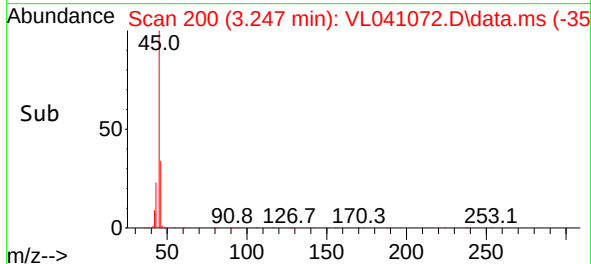
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 223042
Ion Ratio Lower Upper
45 100
46 36.0 16.2 64.8

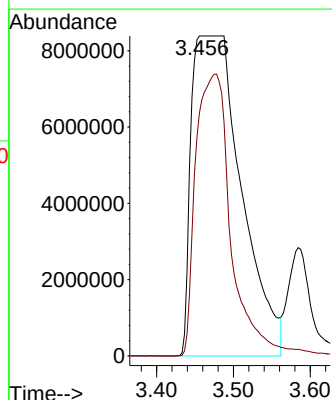
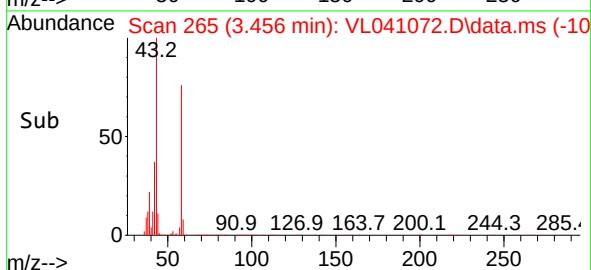
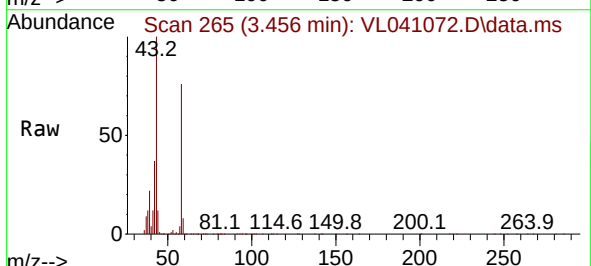
Manual Integrations
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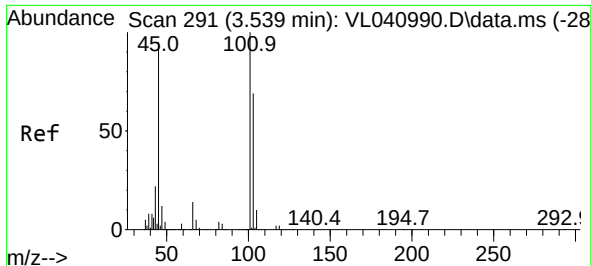
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#15
Acetone
Concen: 304.266 ppbv m
RT: 3.456 min Scan# 265
Delta R.T. 0.010 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

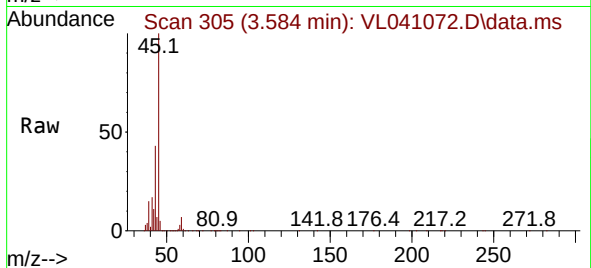
Tgt Ion: 43 Resp:37918182
Ion Ratio Lower Upper
43 100
58 62.8 22.2 33.2#





#19
Isopropyl Alcohol
Concen: 214.503 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.029 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

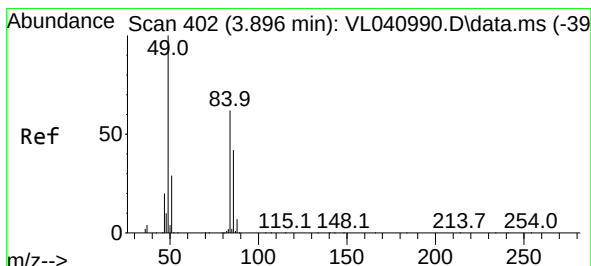
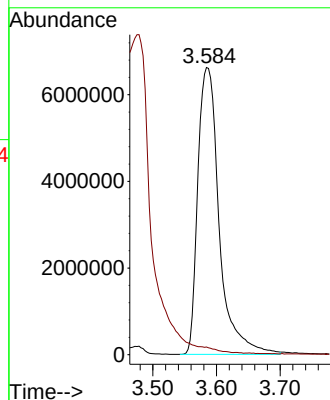
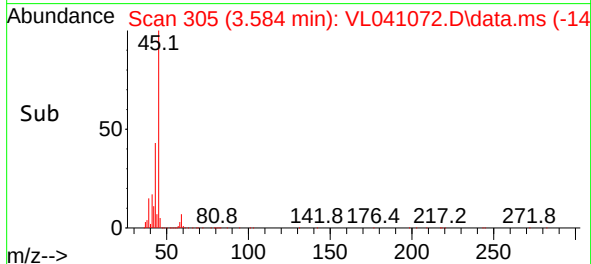
Instrument :
MSVOA_L
ClientSampleId :
IA1



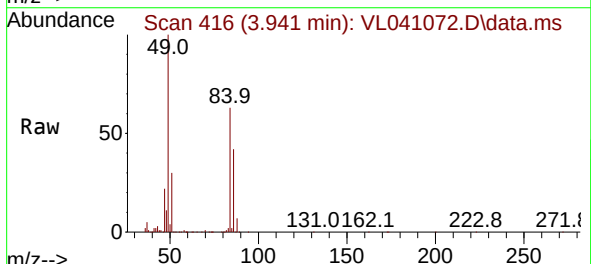
Tgt Ion: 45 Resp:15473930
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.4

Manual Integrations
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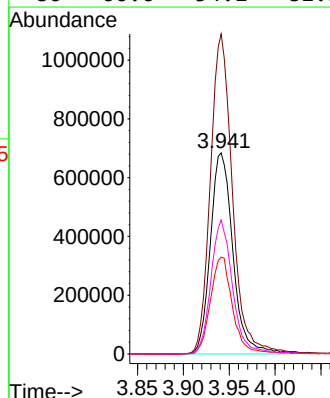
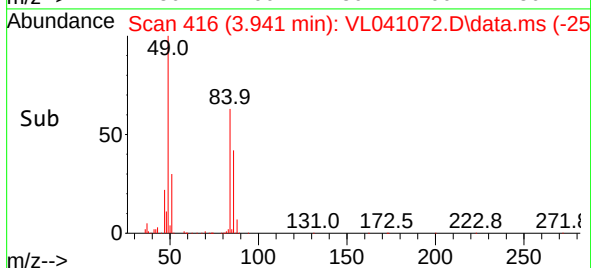
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

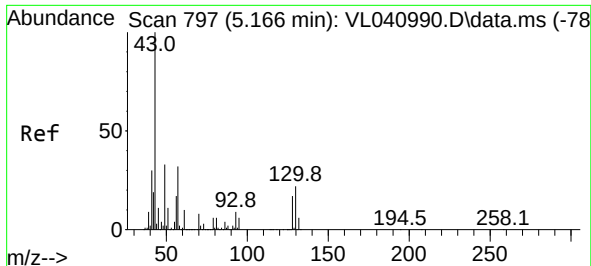


#20
Methylene Chloride
Concen: 24.356 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.029 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32



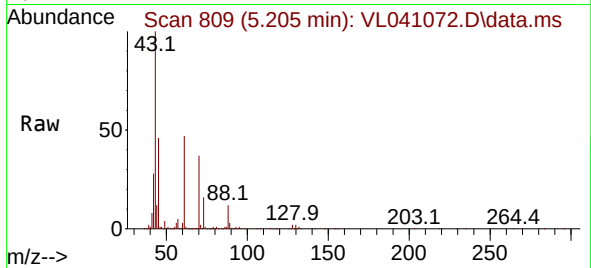
Tgt Ion: 84 Resp: 1168002
Ion Ratio Lower Upper
84 100
49 159.1 128.1 192.1
51 48.1 36.5 54.7
86 66.6 54.1 81.1





#25
Ethyl Acetate
Concen: 138.678 ppbv m
RT: 5.205 min Scan# 809
Delta R.T. 0.019 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

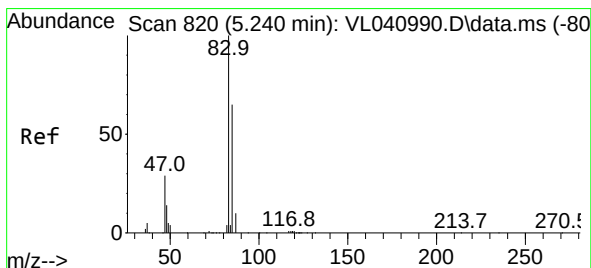
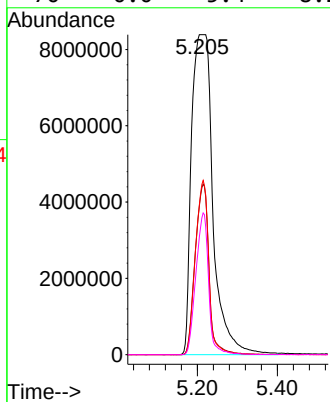
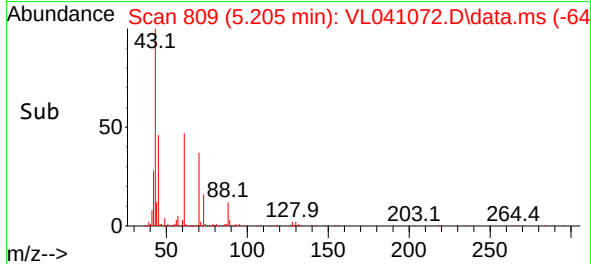
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 3133737
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.4
61 0.0 7.9 11.9
70 0.0 5.4 8.2

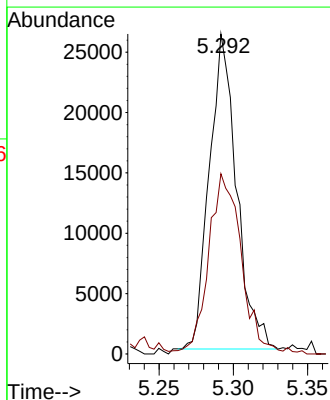
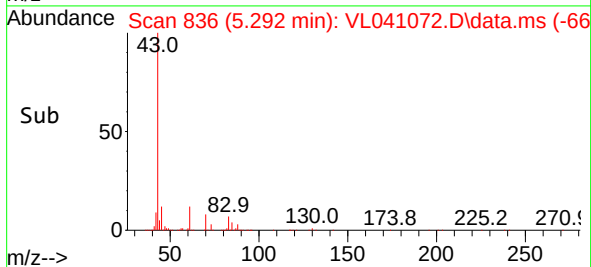
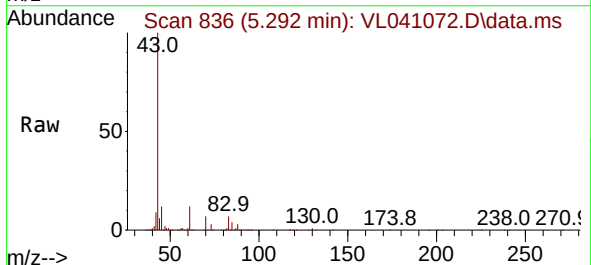
Manual Integrations
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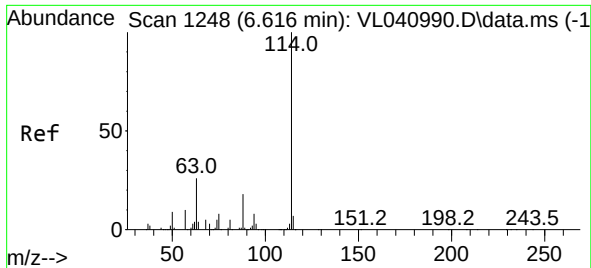
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#29
Chloroform
Concen: 0.195 ppbv
RT: 5.292 min Scan# 836
Delta R.T. 0.035 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

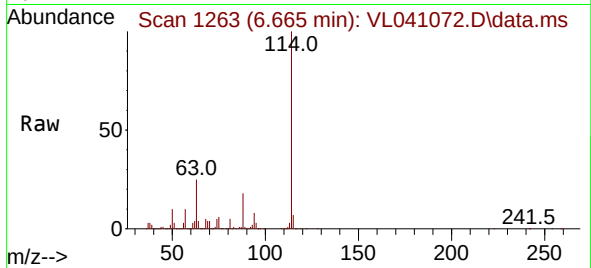
Tgt Ion: 83 Resp: 33313
Ion Ratio Lower Upper
83 100
85 56.1 51.6 77.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.665 min Scan# 114
Delta R.T. 0.026 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

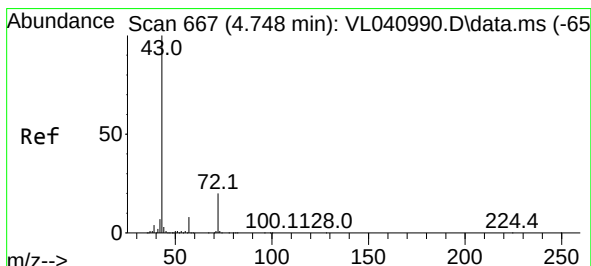
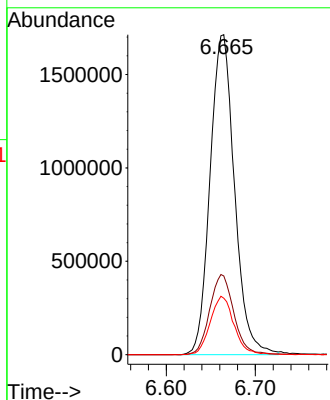
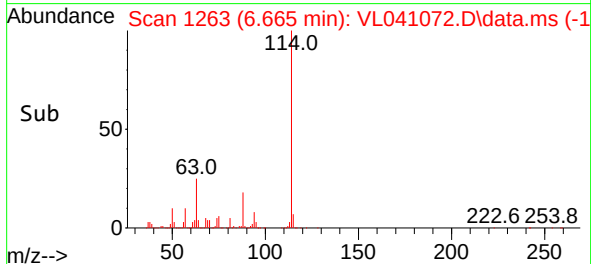
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:114 Resp: 326286
Ion Ratio Lower Upper
114 100
63 24.8 20.8 31.2
88 17.8 14.3 21.5

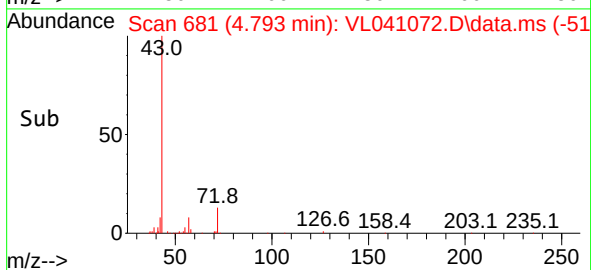
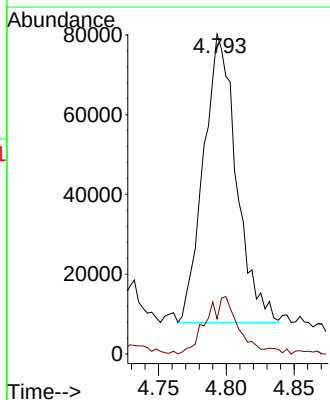
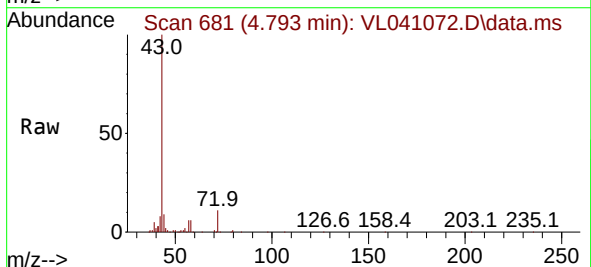
Manual Integrations
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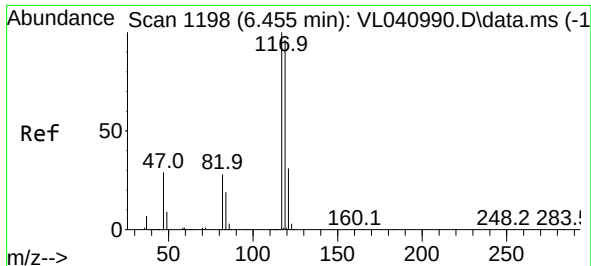
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#34
2-Butanone
Concen: 0.786 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.026 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

Tgt Ion: 43 Resp: 122113
Ion Ratio Lower Upper
43 100
72 20.9 17.5 26.3





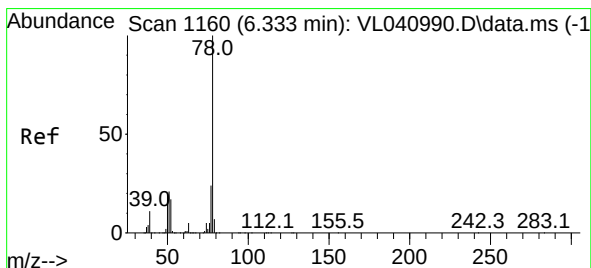
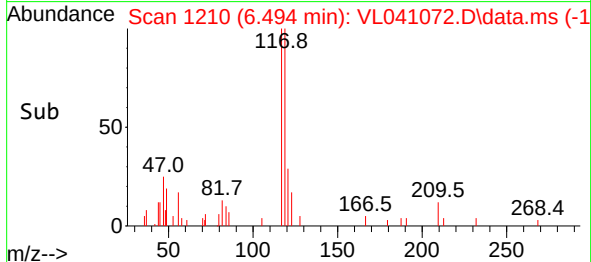
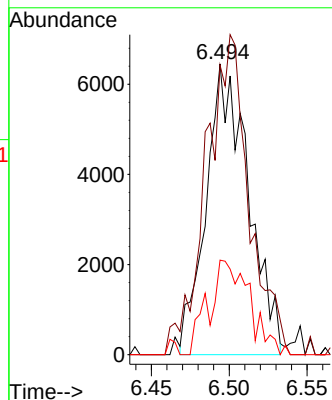
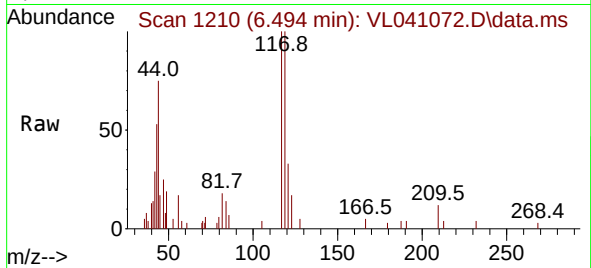
#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 6.494 min Scan# 1173
Delta R.T. 0.016 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 117 Resp: 1221
Ion Ratio Lower Upper
117 100
119 99.6 76.9 115.3
121 32.5 24.7 37.1

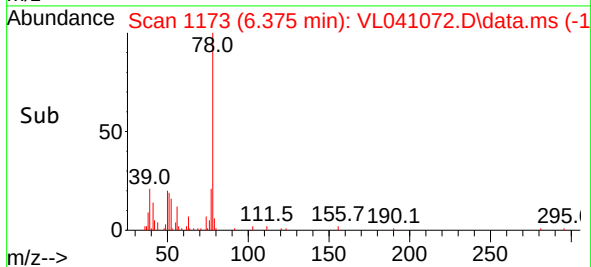
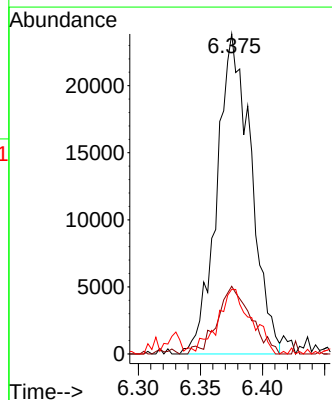
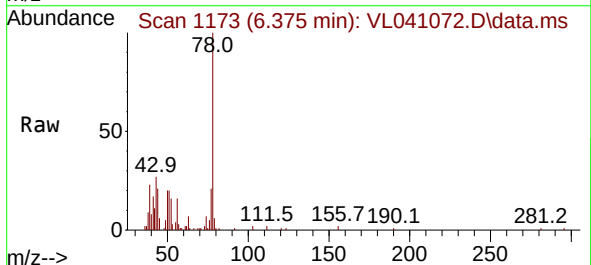
Manual Integrations
APPROVED

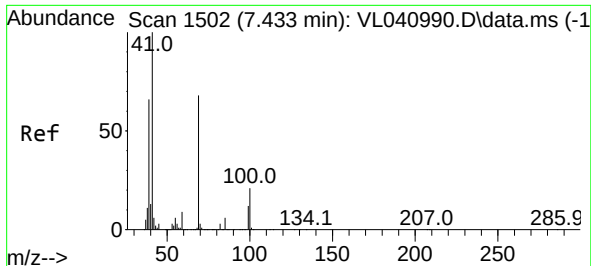
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#36
Benzene
Concen: 0.169 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. 0.019 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

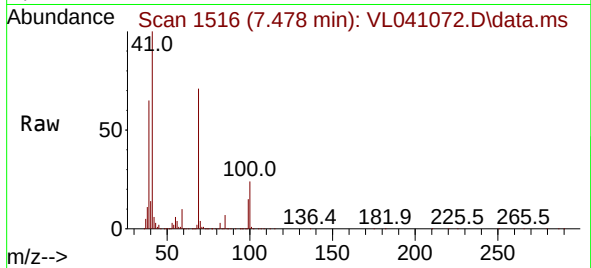
Tgt Ion: 78 Resp: 45573
Ion Ratio Lower Upper
78 100
77 21.1 19.0 28.4
50 20.2 15.8 23.6





#43
Methyl Methacrylate
Concen: 31.350 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.016 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

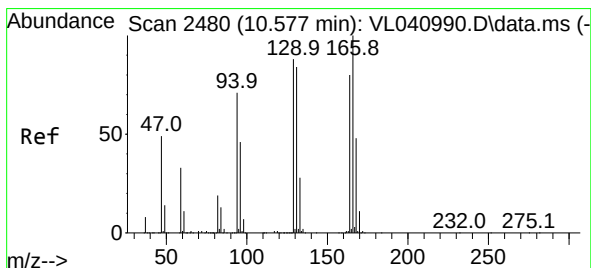
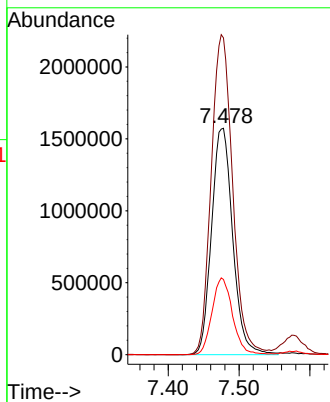
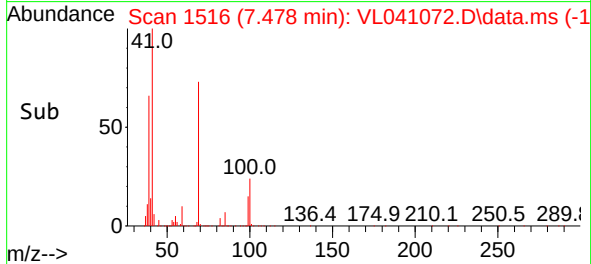
Instrument :
MSVOA_L
ClientSampleId :
IA1



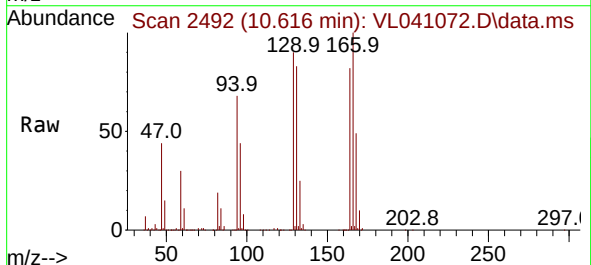
Tgt Ion: 69 Resp: 325995
Ion Ratio Lower Upper
69 100
41 143.0 120.2 180.2
100 32.8 24.6 36.8

Manual Integrations
APPROVED

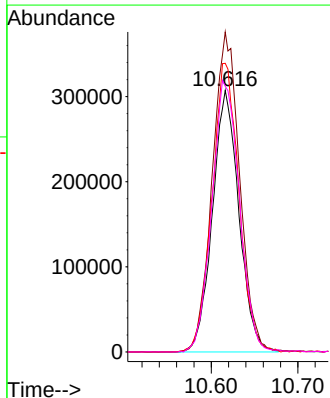
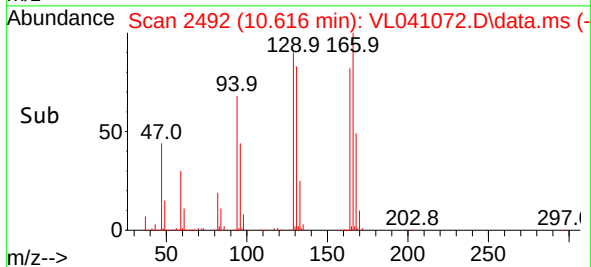
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

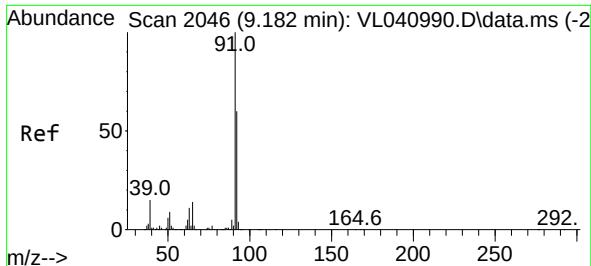


#52
Tetrachloroethene
Concen: 7.280 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.016 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32



Tgt Ion:164 Resp: 651455
Ion Ratio Lower Upper
164 100
166 122.2 100.2 150.2
129 110.2 87.9 131.9
131 101.6 84.0 126.0





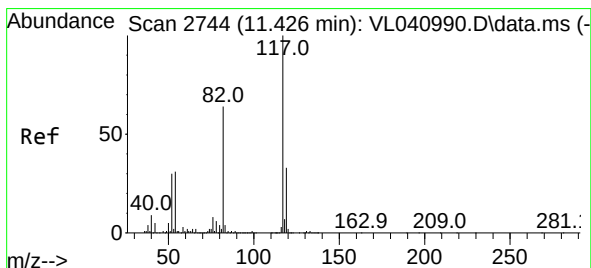
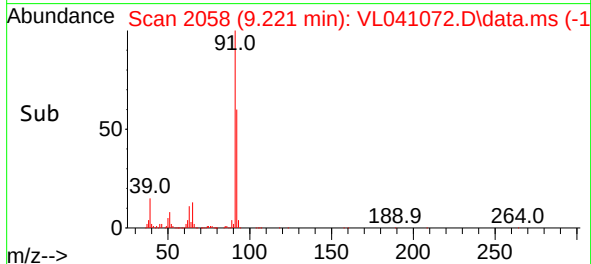
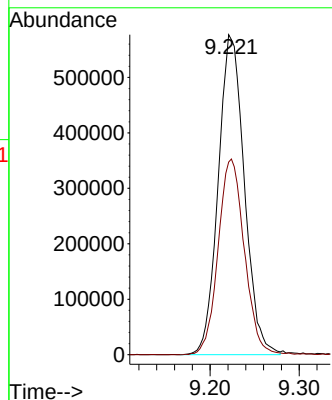
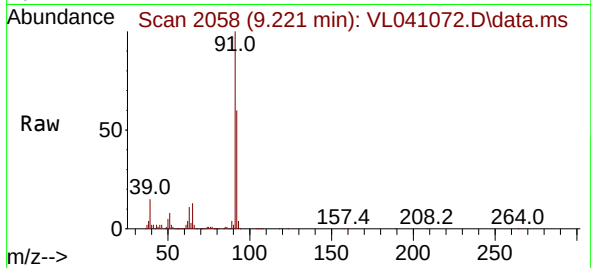
#53
Toluene
Concen: 3.984 ppbv
RT: 9.221 min Scan# 2046
Delta R.T. 0.016 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 117610
Ion Ratio Lower Upper
91 100
92 61.5 48.6 72.8

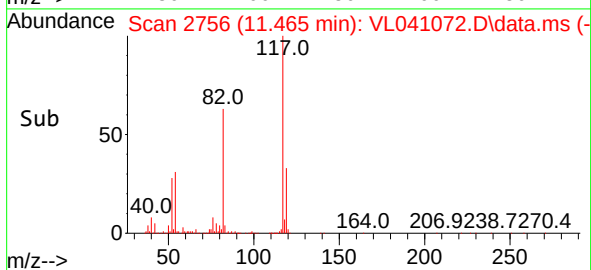
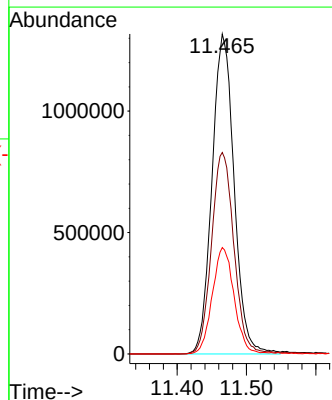
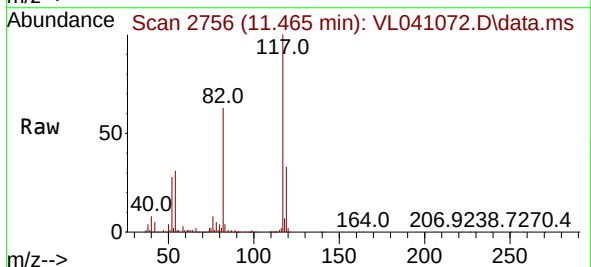
Manual Integrations
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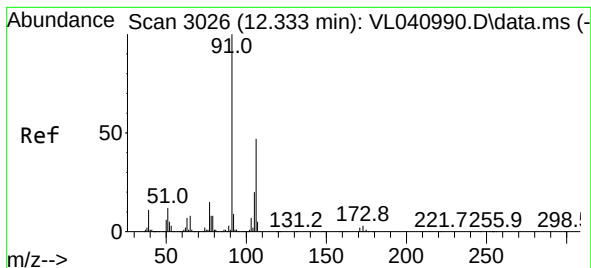
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.013 min
Lab File: VL041072.D
Acq: 15 Feb 2024 15:32

Tgt Ion:117 Resp: 2919087
Ion Ratio Lower Upper
117 100
82 64.4 51.7 77.5
119 33.2 23.8 35.6





#59

m/p-Xylene

Concen: 0.169 ppbv m

RT: 12.368 min Scan# 3026

Delta R.T. 0.010 min

Lab File: VL041072.D

Acq: 15 Feb 2024 15:32

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 57900

Ion Ratio Lower Upper

91 100

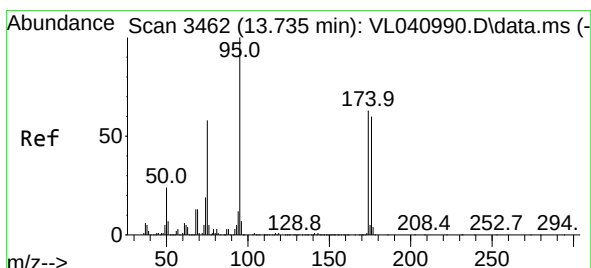
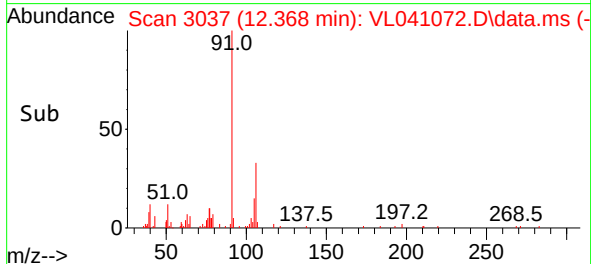
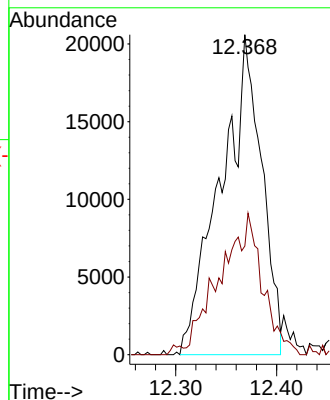
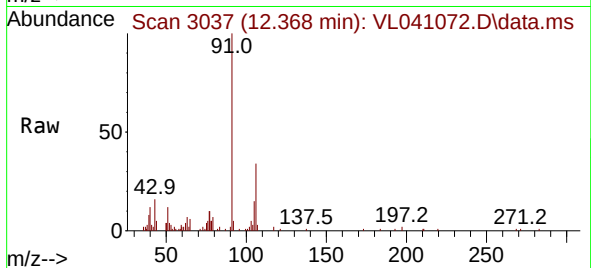
106 47.5 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.983 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.013 min

Lab File: VL041072.D

Acq: 15 Feb 2024 15:32

Tgt Ion: 95 Resp: 2200977

Ion Ratio Lower Upper

95 100

174 61.3 49.1 73.7

175 4.5 3.7 5.5

