

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041071.D
 Acq On : 15 Feb 2024 14:52
 Operator : SY/MD
 Sample : P1490-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

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

Quant Time: Feb 16 04:09:02 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	5.182	49	1239991	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3026467	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2619266	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2047758	10.351	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	69287	0.253	ppbv	97
3) Chlorodifluoromethane	2.639	51	12448123m	59.687	ppbv	
4) Chloromethane	2.800	50	47182	0.604	ppbv	98
9) Propene	2.693	41	570755m	8.343	ppbv	
11) Trichlorofluoromethane	3.549	101	40995	0.186	ppbv	92
13) Ethanol	3.275	45	39997195	2453.232	ppbv	81
15) Acetone	3.455	43	1772072	11.175	ppbv	100
19) Isopropyl Alcohol	3.613	45	26465865	288.332	ppbv #	95
20) Methylene Chloride	3.922	84	943859	15.469	ppbv	98
26) Hexane	5.201	57	618448	5.046	ppbv #	47
29) Chloroform	5.272	83	20596m	0.095	ppbv	
34) 2-Butanone	4.777	43	50241	0.348	ppbv	95
35) Carbon Tetrachloride	6.488	117	11723m	0.058	ppbv	
36) Benzene	6.365	78	46794	0.187	ppbv #	83
52) Tetrachloroethene	10.616	164	31112m	0.375	ppbv	
53) Toluene	9.214	91	44914m	0.164	ppbv	
59) m/p-Xylene	12.368	91	43362m	0.141	ppbv	

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

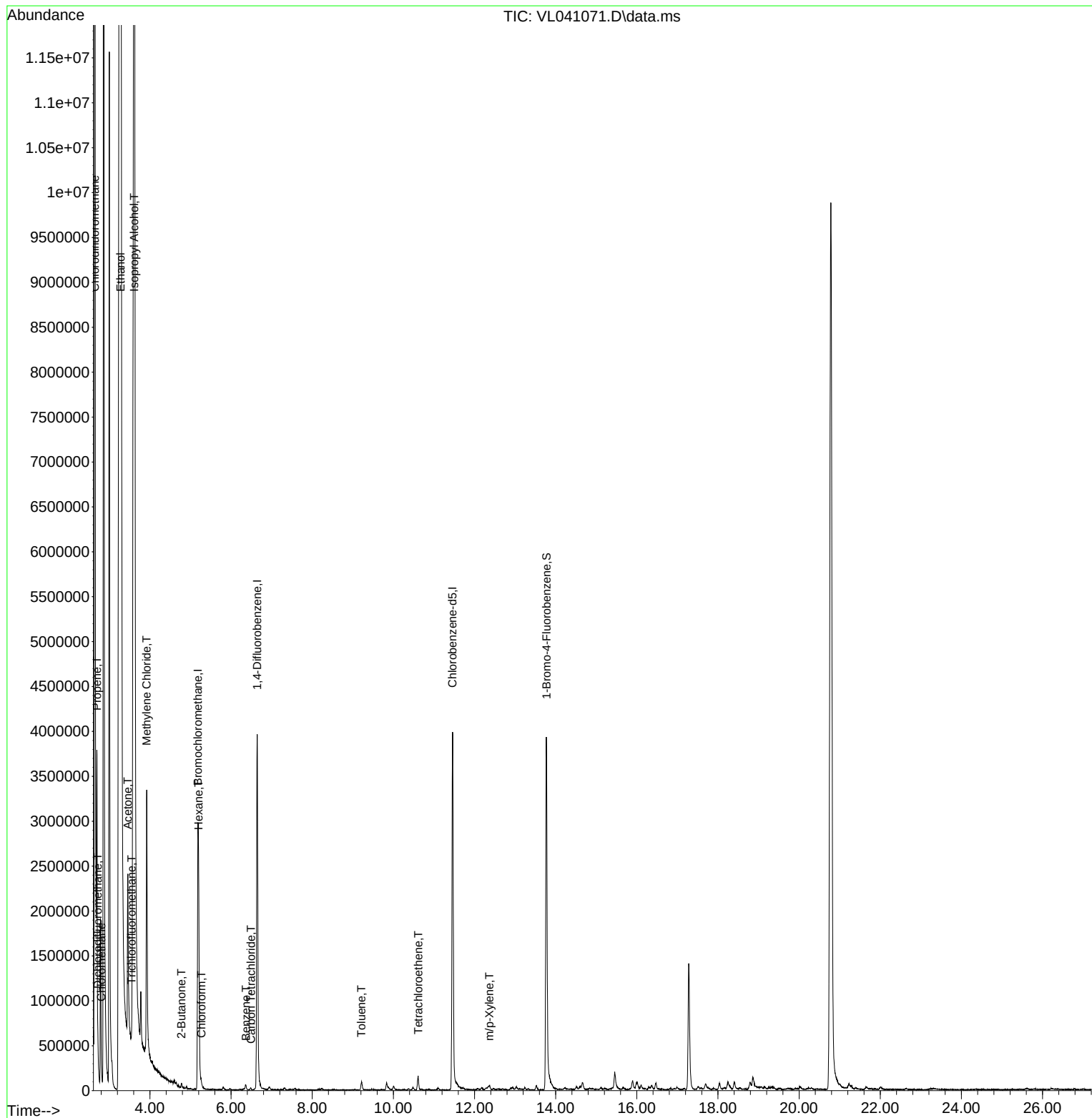
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041071.D
Acq On : 15 Feb 2024 14:52
Operator : SY/MD
Sample : P1490-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

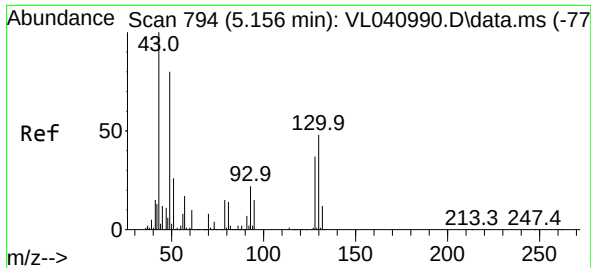
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Feb 16 04:09:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

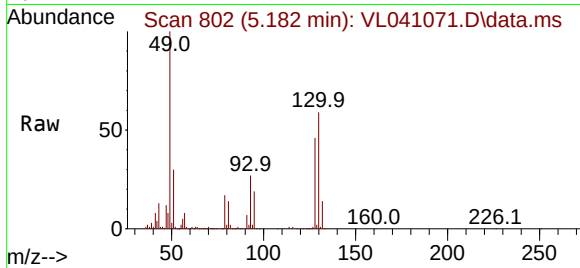
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

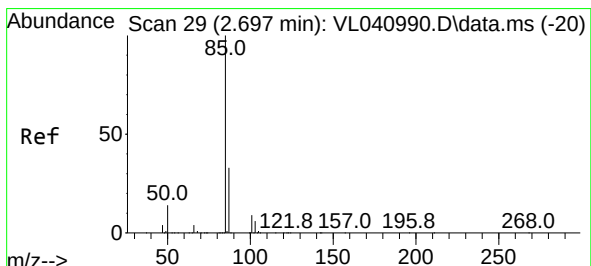
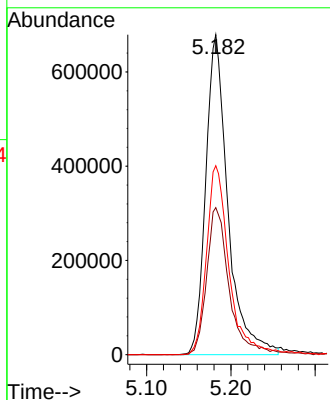
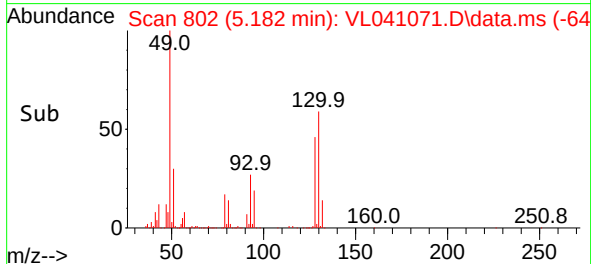
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 123999
Ion Ratio Lower Upper
49 100
128 47.6 23.9 71.7
130 60.5 31.1 93.5

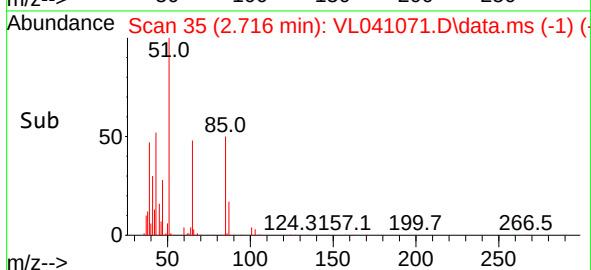
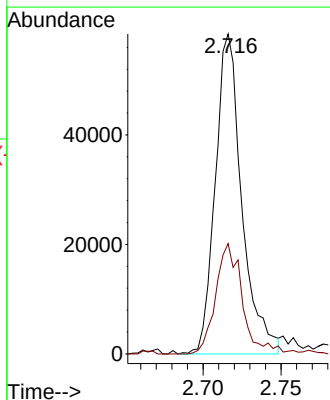
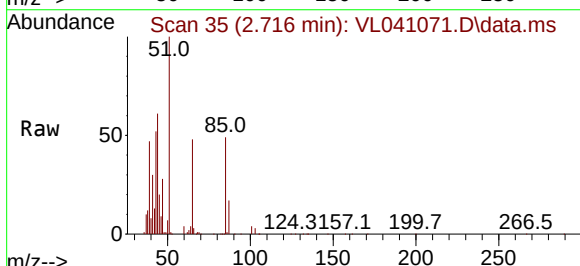
Manual Integrations
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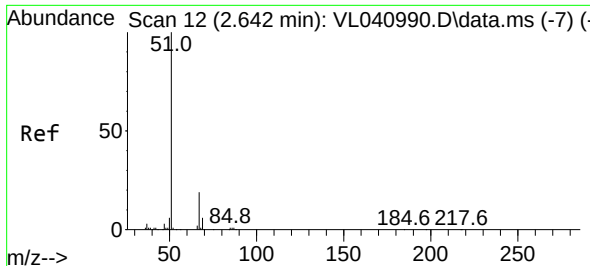
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#2
Dichlorodifluoromethane
Concen: 0.253 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

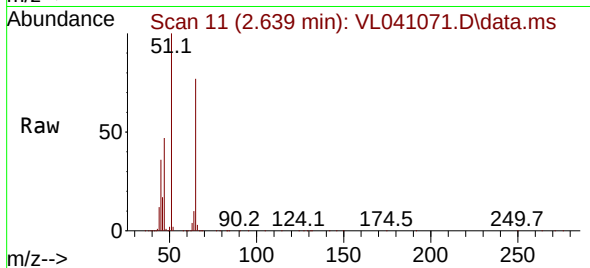
Tgt Ion: 85 Resp: 69287
Ion Ratio Lower Upper
85 100
87 34.5 26.3 39.5





#3
Chlorodifluoromethane
Concen: 59.687 ppbv m
RT: 2.639 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

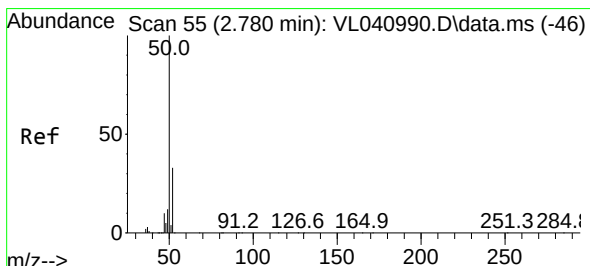
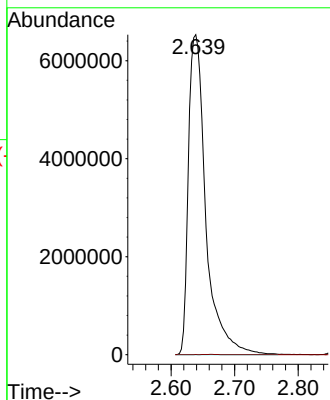
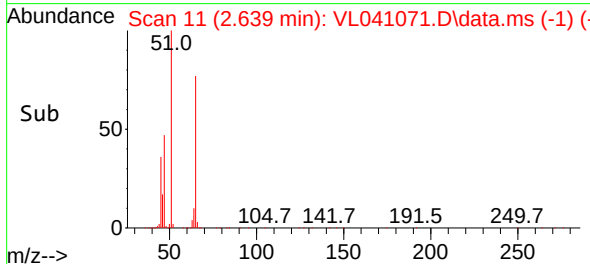
Instrument :
MSVOA_L
ClientSampleId :
IA2



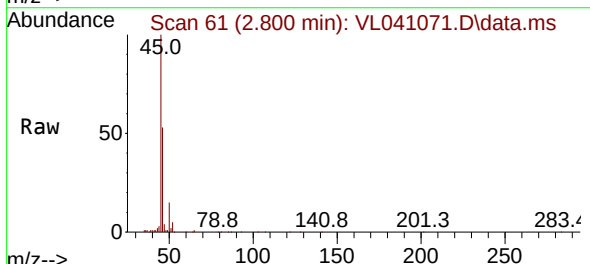
Tgt Ion: 51 Resp:1244812
Ion Ratio Lower Upper
51 100
67 0.1 14.8 22.2

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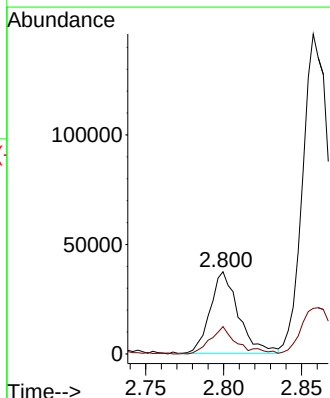
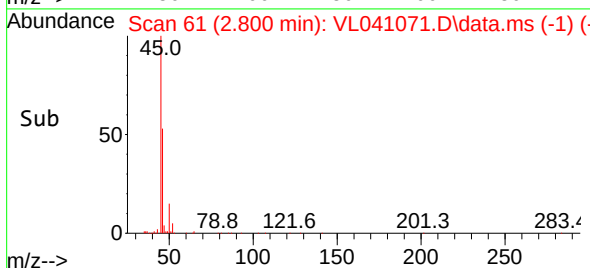
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

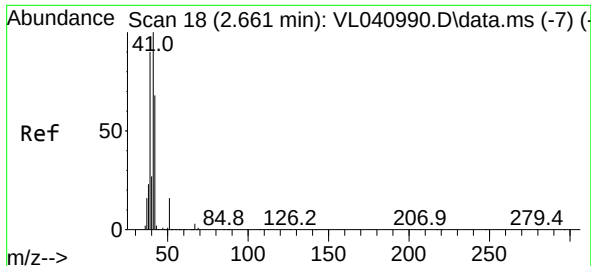


#4
Chloromethane
Concen: 0.604 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52



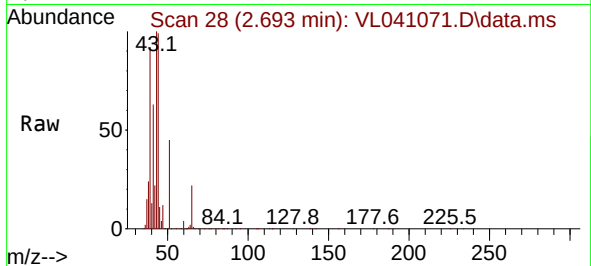
Tgt Ion: 50 Resp: 47182
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.4





#9
Propene
Concen: 8.343 ppbv m
RT: 2.693 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

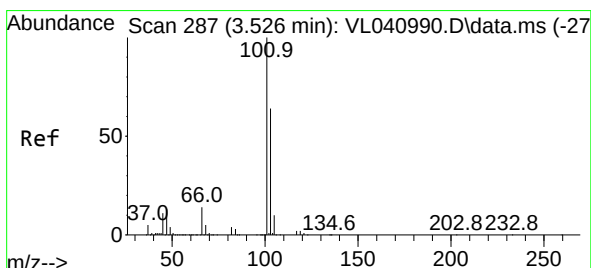
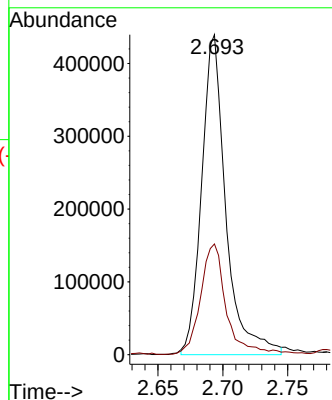
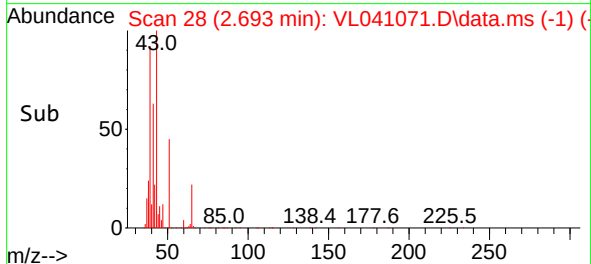
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 41 Resp: 57075
Ion Ratio Lower Upper
41 100
42 850.3 59.0 88.4

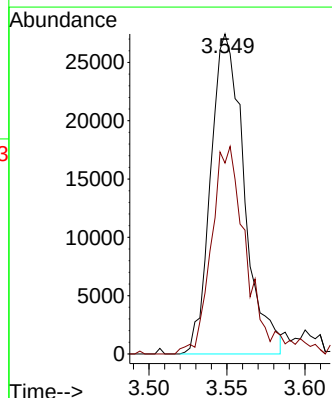
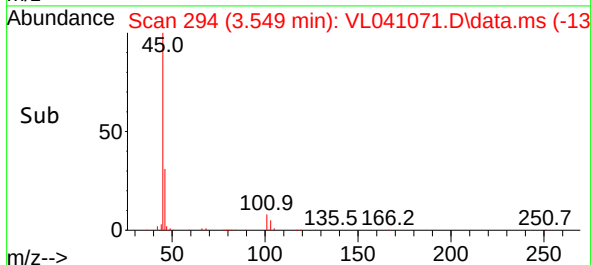
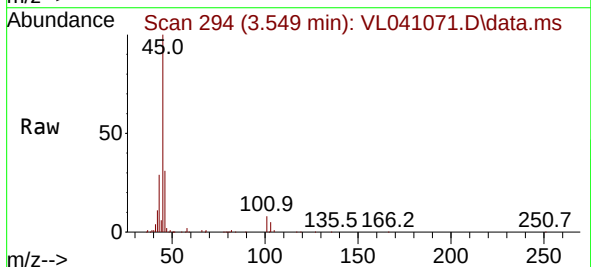
Manual Integrations
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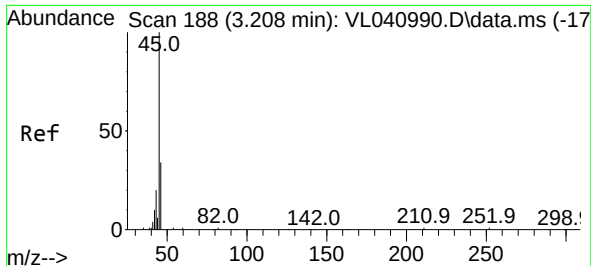
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#11
Trichlorofluoromethane
Concen: 0.186 ppbv
RT: 3.549 min Scan# 294
Delta R.T. 0.006 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

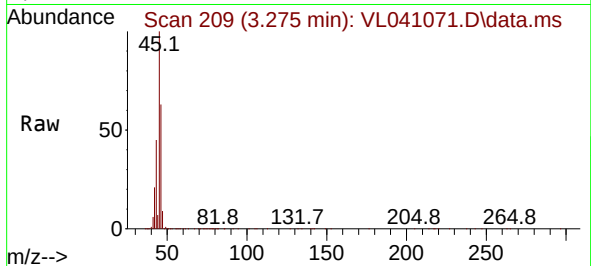
Tgt Ion:101 Resp: 40995
Ion Ratio Lower Upper
101 100
103 58.1 51.4 77.2





#13
Ethanol
Concen: 2453.232 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.058 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

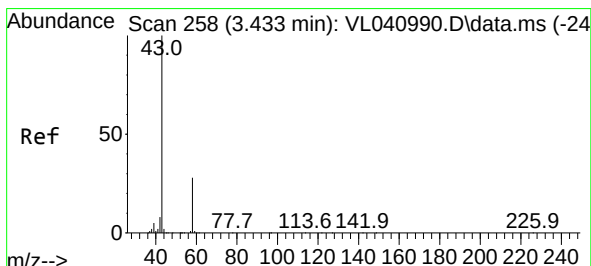
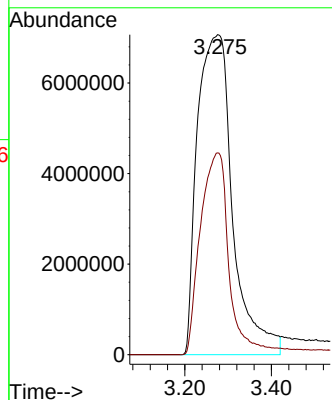
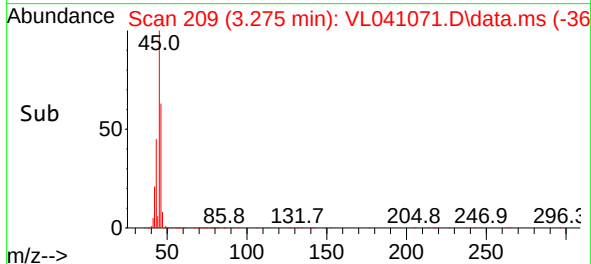
Instrument :
MSVOA_L
ClientSampleId :
IA2



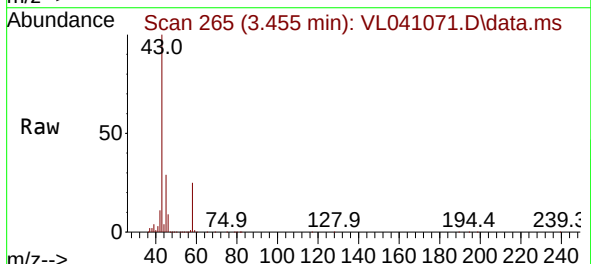
Tgt Ion: 45 Resp: 3999719
Ion Ratio Lower Upper
45 100
46 52.3 16.2 64.8

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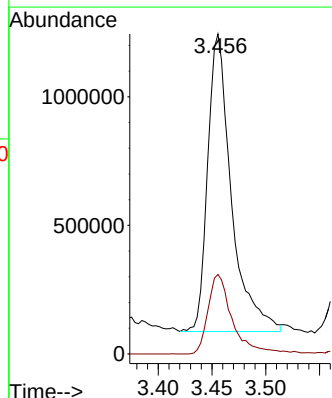
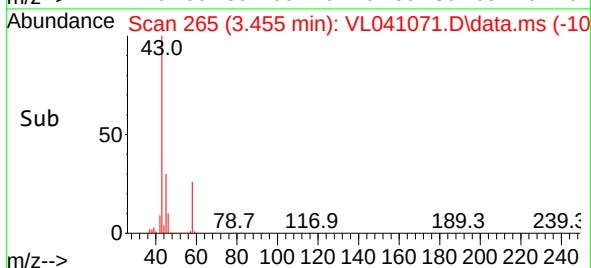
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024

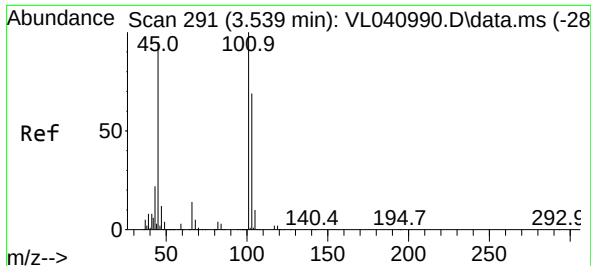


#15
Acetone
Concen: 11.175 ppbv
RT: 3.455 min Scan# 265
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52



Tgt Ion: 43 Resp: 1772072
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.2





#19

Isopropyl Alcohol

Concen: 288.332 ppbv

RT: 3.613 min Scan# 314

Delta R.T. 0.058 min

Lab File: VL041071.D

Acq: 15 Feb 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 45 Resp:2646586

Ion Ratio Lower Upper

45 100

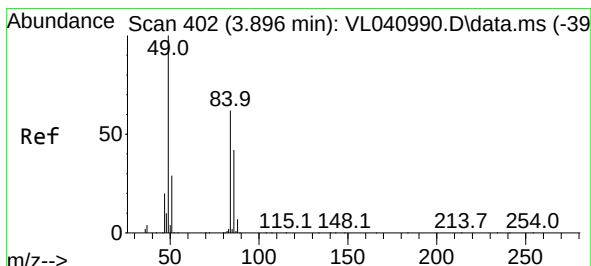
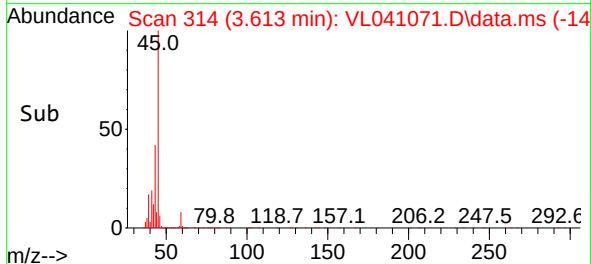
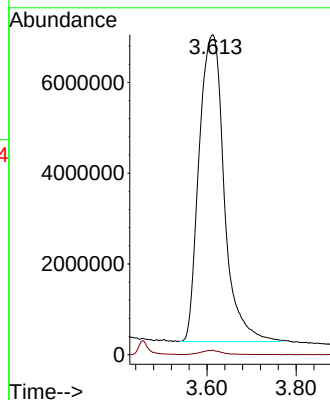
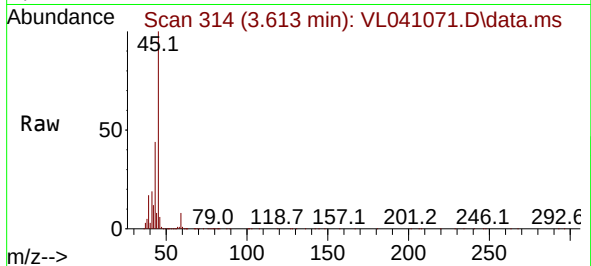
58 1.3 2.2 3.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#20

Methylene Chloride

Concen: 15.469 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.010 min

Lab File: VL041071.D

Acq: 15 Feb 2024 14:52

Tgt Ion: 84 Resp: 943859

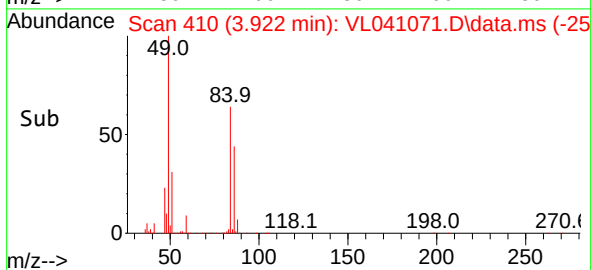
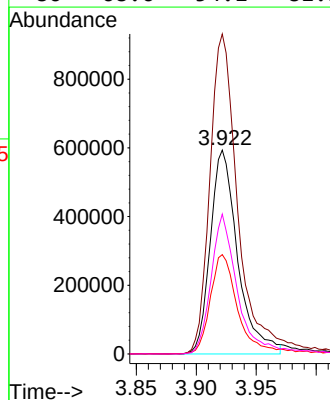
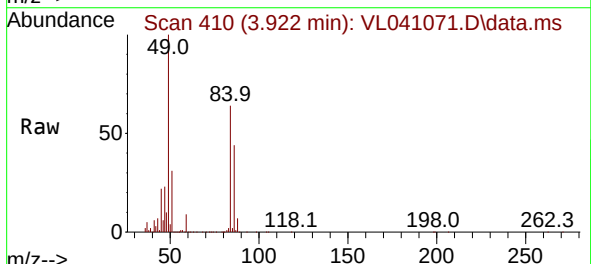
Ion Ratio Lower Upper

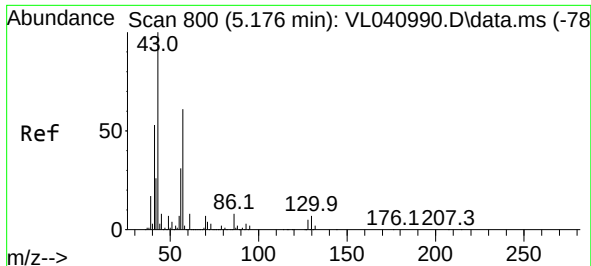
84 100

49 156.9 128.1 192.1

51 48.6 36.5 54.7

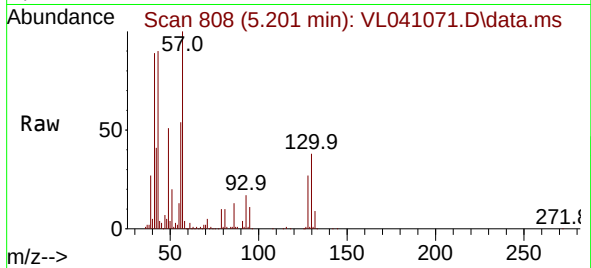
86 68.6 54.1 81.1





#26
Hexane
Concen: 5.046 ppbv
RT: 5.201 min Scan# 800
Delta R.T. 0.006 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

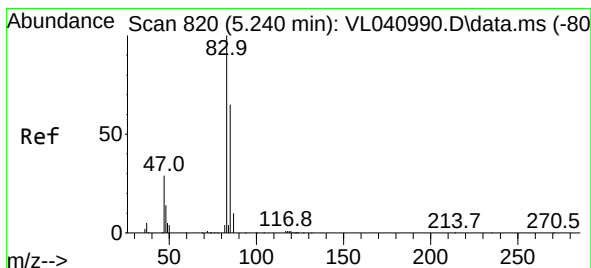
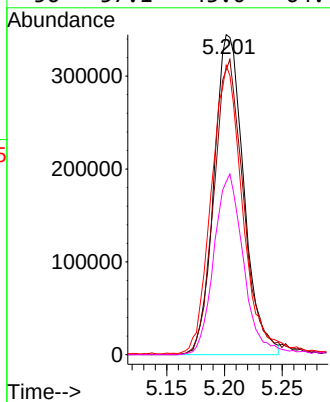
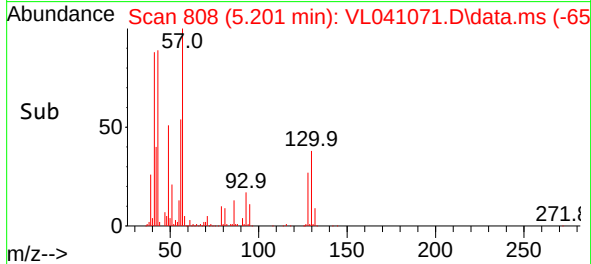
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 61844
Ion Ratio Lower Upper
57 100
41 94.0 74.4 111.6
43 96.8 190.6 285.8
56 57.1 43.0 64.4

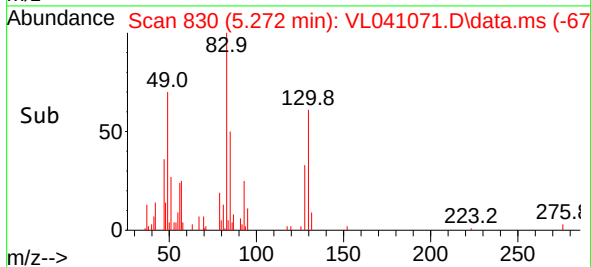
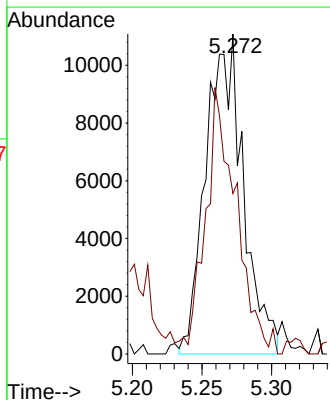
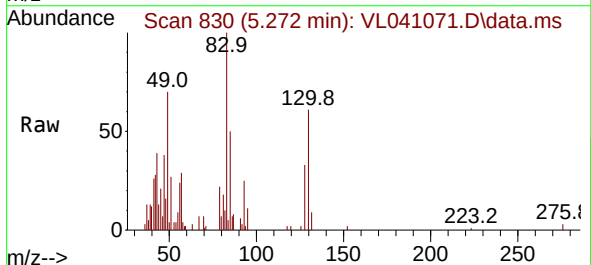
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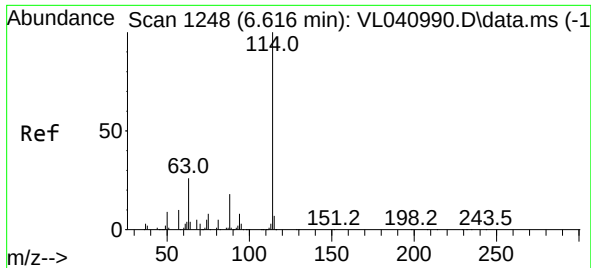
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#29
Chloroform
Concen: 0.095 ppbv m
RT: 5.272 min Scan# 830
Delta R.T. 0.016 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

Tgt Ion: 83 Resp: 20596
Ion Ratio Lower Upper
83 100
85 50.1 51.6 77.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041071.D

Acq: 15 Feb 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion:114 Resp: 302646

Ion Ratio Lower Upper

114 100

63 25.5 20.8 31.2

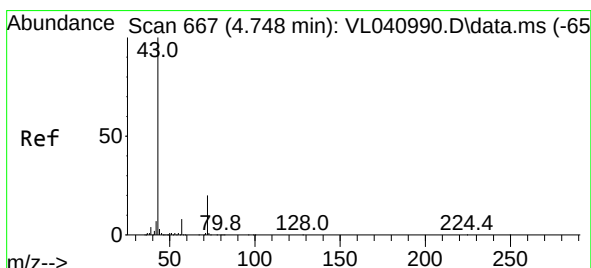
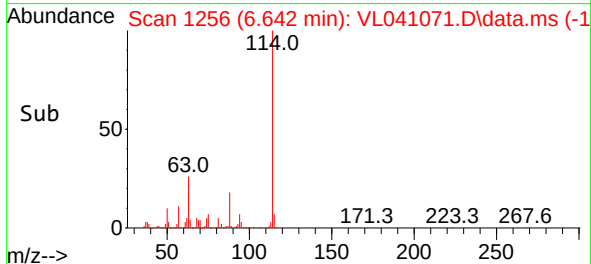
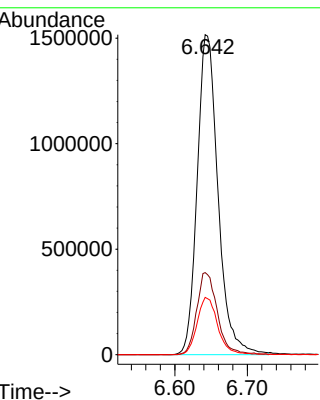
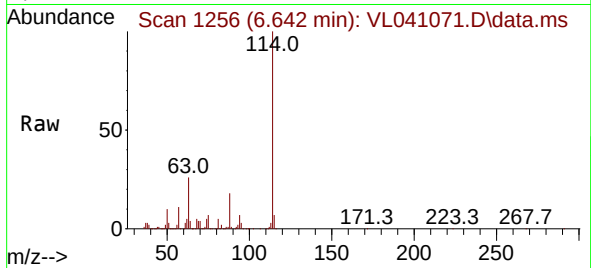
88 17.9 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#34

2-Butanone

Concen: 0.348 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.010 min

Lab File: VL041071.D

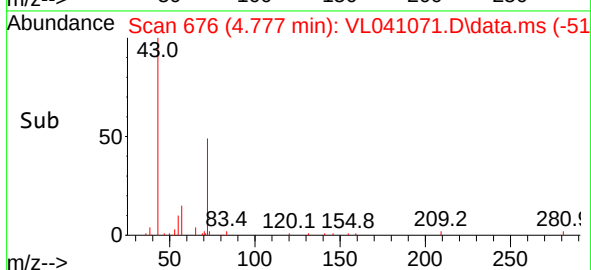
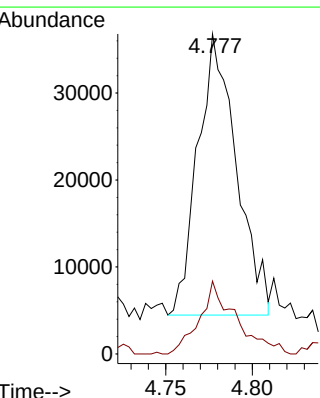
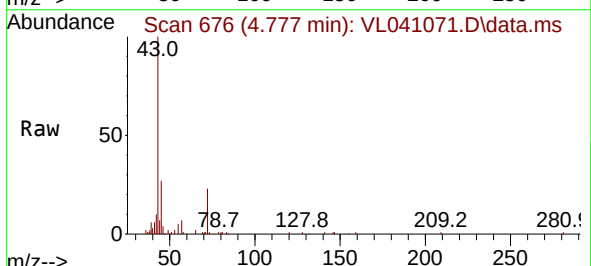
Acq: 15 Feb 2024 14:52

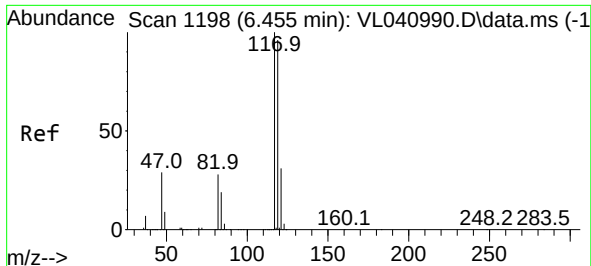
Tgt Ion: 43 Resp: 50241

Ion Ratio Lower Upper

43 100

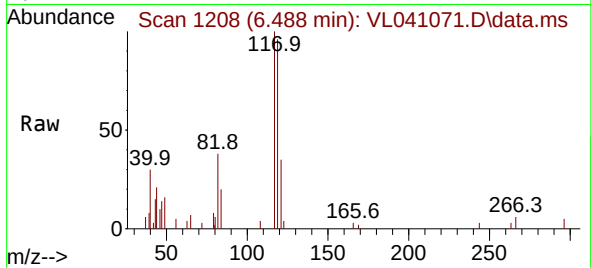
72 24.4 17.5 26.3





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 6.488 min Scan# 1172
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

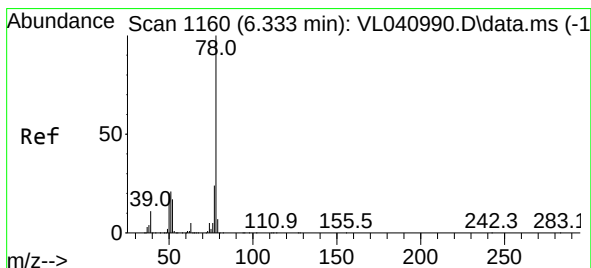
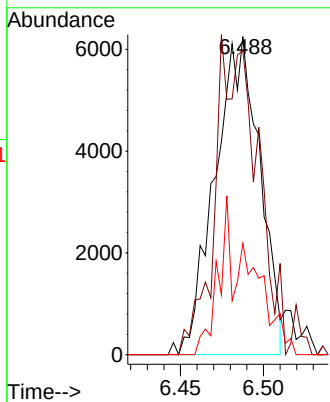
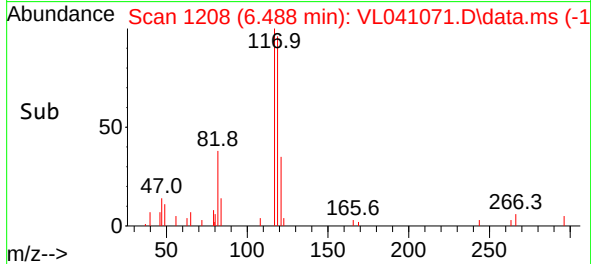
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 117 Resp: 1172
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3
121 35.0 24.7 37.1

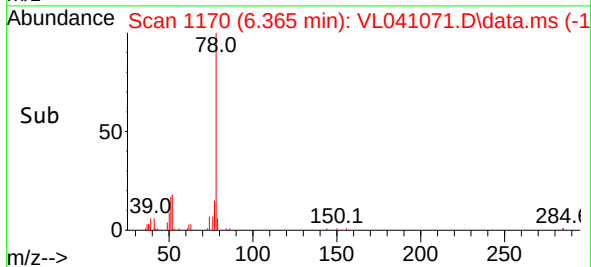
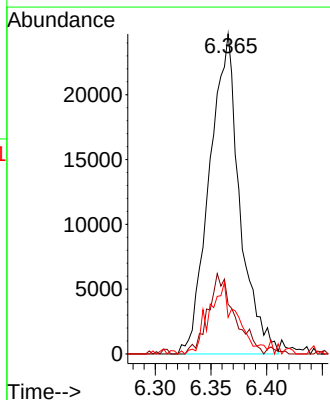
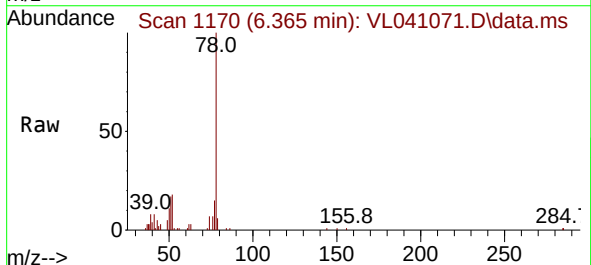
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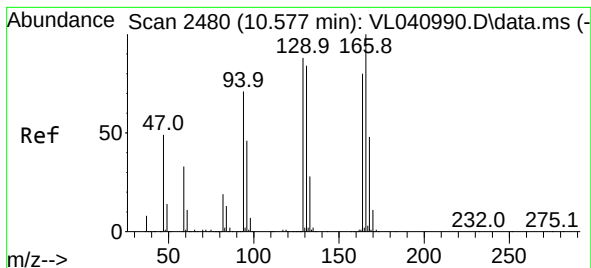
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#36
Benzene
Concen: 0.187 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

Tgt Ion: 78 Resp: 46794
Ion Ratio Lower Upper
78 100
77 15.5 19.0 28.4#
50 11.5 15.8 23.6#





#52

Tetrachloroethene

Concen: 0.375 ppbv m

RT: 10.616 min Scan# 2480

Delta R.T. 0.016 min

Lab File: VL041071.D

Acq: 15 Feb 2024 14:52

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion:164 Resp: 3111

Ion Ratio Lower Upper

164 100

166 114.4 100.2 150.2

129 94.3 87.9 131.9

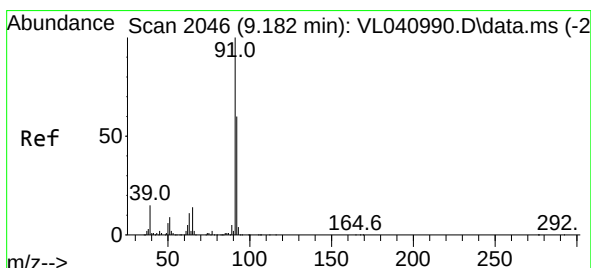
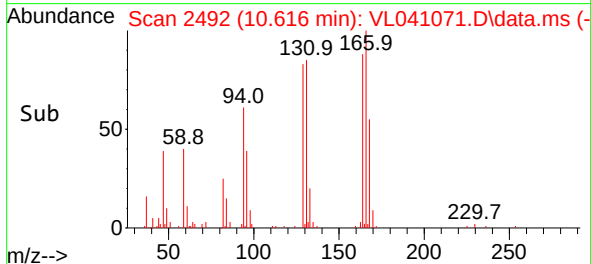
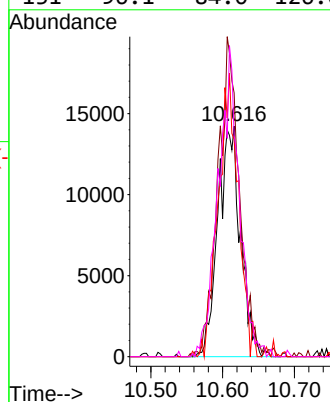
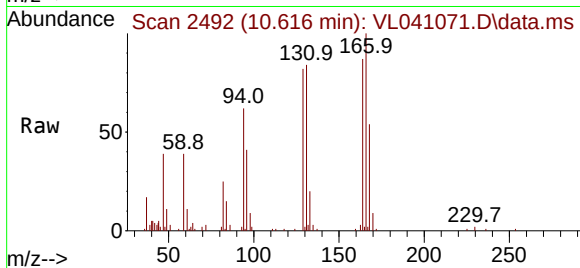
131 96.1 84.0 126.0

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Reviewed By :Semsettin Yesilyurt 02/19/2024

Supervised By :Mahesh Dadoda 02/20/2024



#53

Toluene

Concen: 0.164 ppbv m

RT: 9.214 min Scan# 2056

Delta R.T. 0.010 min

Lab File: VL041071.D

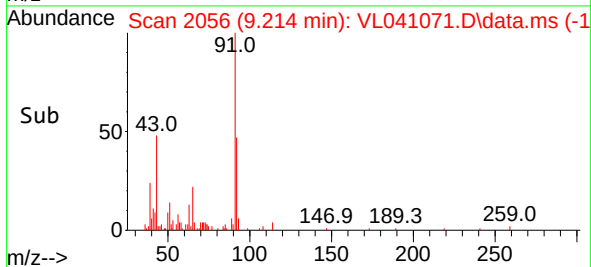
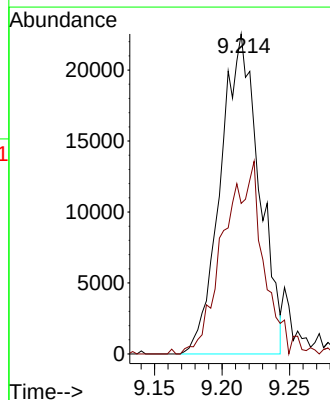
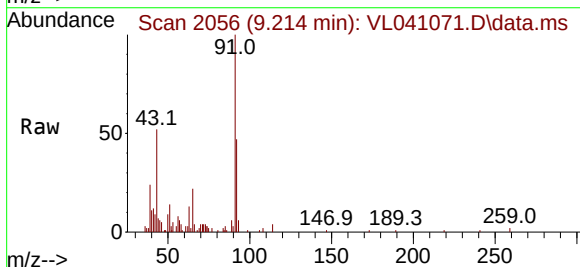
Acq: 15 Feb 2024 14:52

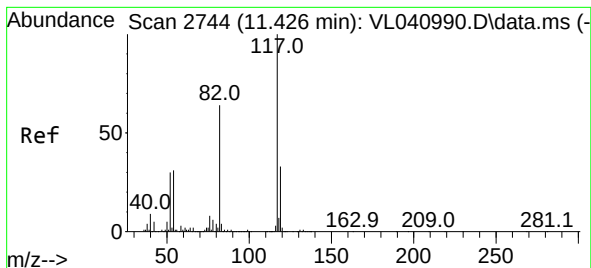
Tgt Ion: 91 Resp: 44914

Ion Ratio Lower Upper

91 100

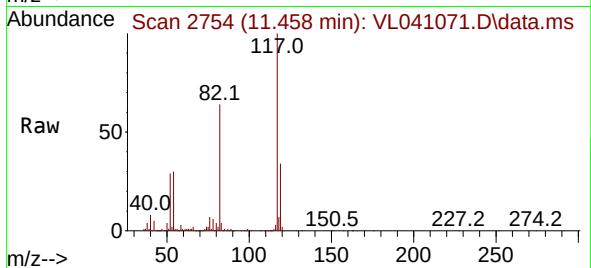
92 0.0 48.6 72.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

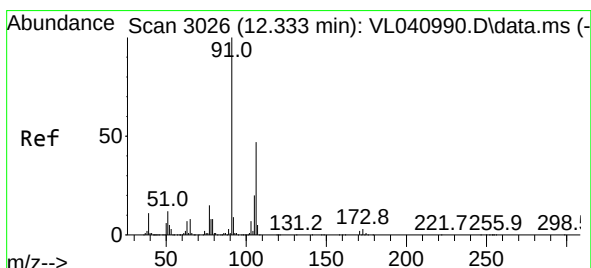
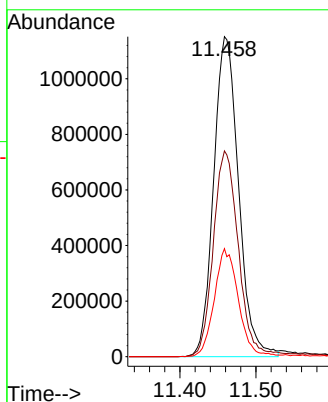
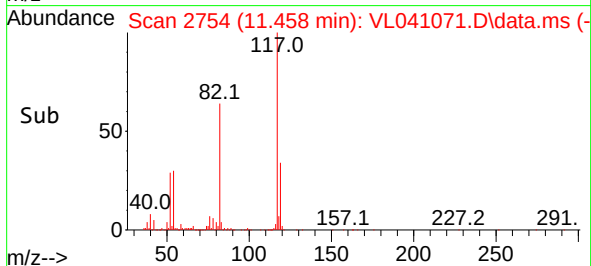
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion:117 Resp: 261926
Ion Ratio Lower Upper
117 100
82 65.9 51.7 77.5
119 33.3 23.8 35.6

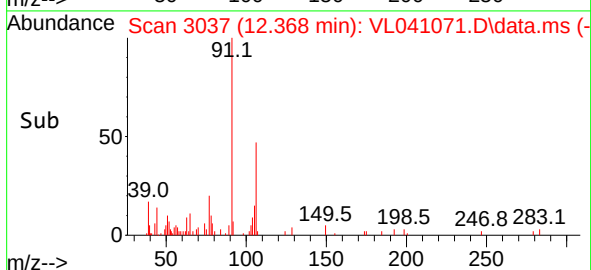
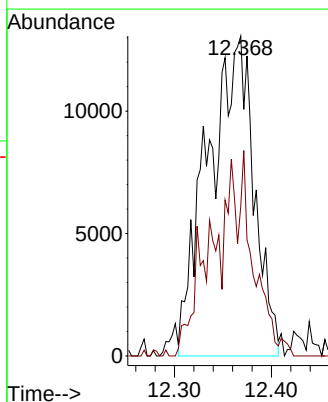
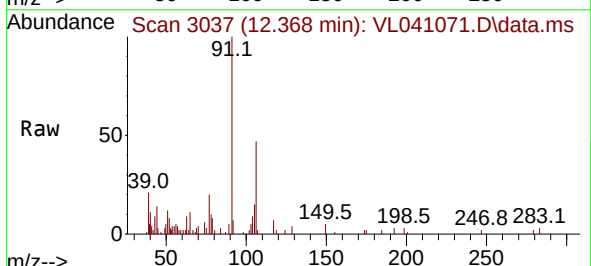
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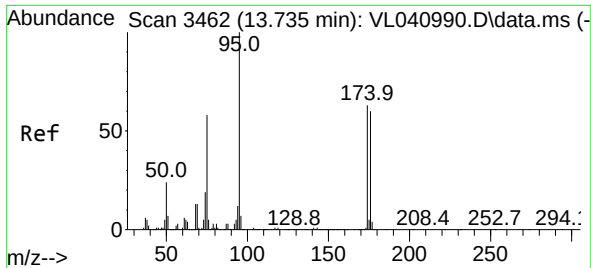
Reviewed By :Semsettin Yesilyurt 02/19/2024
Supervised By :Mahesh Dadoda 02/20/2024



#59
m/p-Xylene
Concen: 0.141 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. 0.010 min
Lab File: VL041071.D
Acq: 15 Feb 2024 14:52

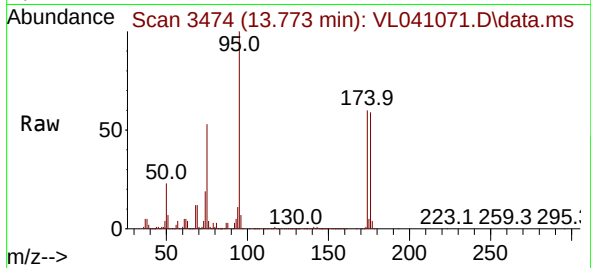
Tgt Ion: 91 Resp: 43362
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.351 ppbv
 RT: 13.773 min Scan# 3462
 Delta R.T. 0.013 min
 Lab File: VL041071.D
 Acq: 15 Feb 2024 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 95 Resp: 2047758
 Ion Ratio Lower Upper
 95 100
 174 61.6 49.1 73.7
 175 4.4 3.7 5.5

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

