

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041225.D
 Acq On : 6 May 2024 19:36
 Operator : SY/MD
 Sample : P2334-10DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA02-20240425DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:27:23 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	884022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2324330	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2115243	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1569590	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	16137	0.135	ppbv	95
13) Ethanol	3.256	45	46572m	3.954	ppbv	
15) Acetone	3.481	43	210187	2.015	ppbv	99
20) Methylene Chloride	3.941	84	258955	7.138	ppbv	96
26) Hexane	5.221	57	298724	3.214	ppbv #	41
35) Carbon Tetrachloride	6.500	117	7937m	0.061	ppbv	
38) Trichloroethene	7.295	130	194572	2.677	ppbv	97
52) Tetrachloroethene	10.616	164	13242m	0.193	ppbv	
53) Toluene	9.230	91	21949m	0.097	ppbv	

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

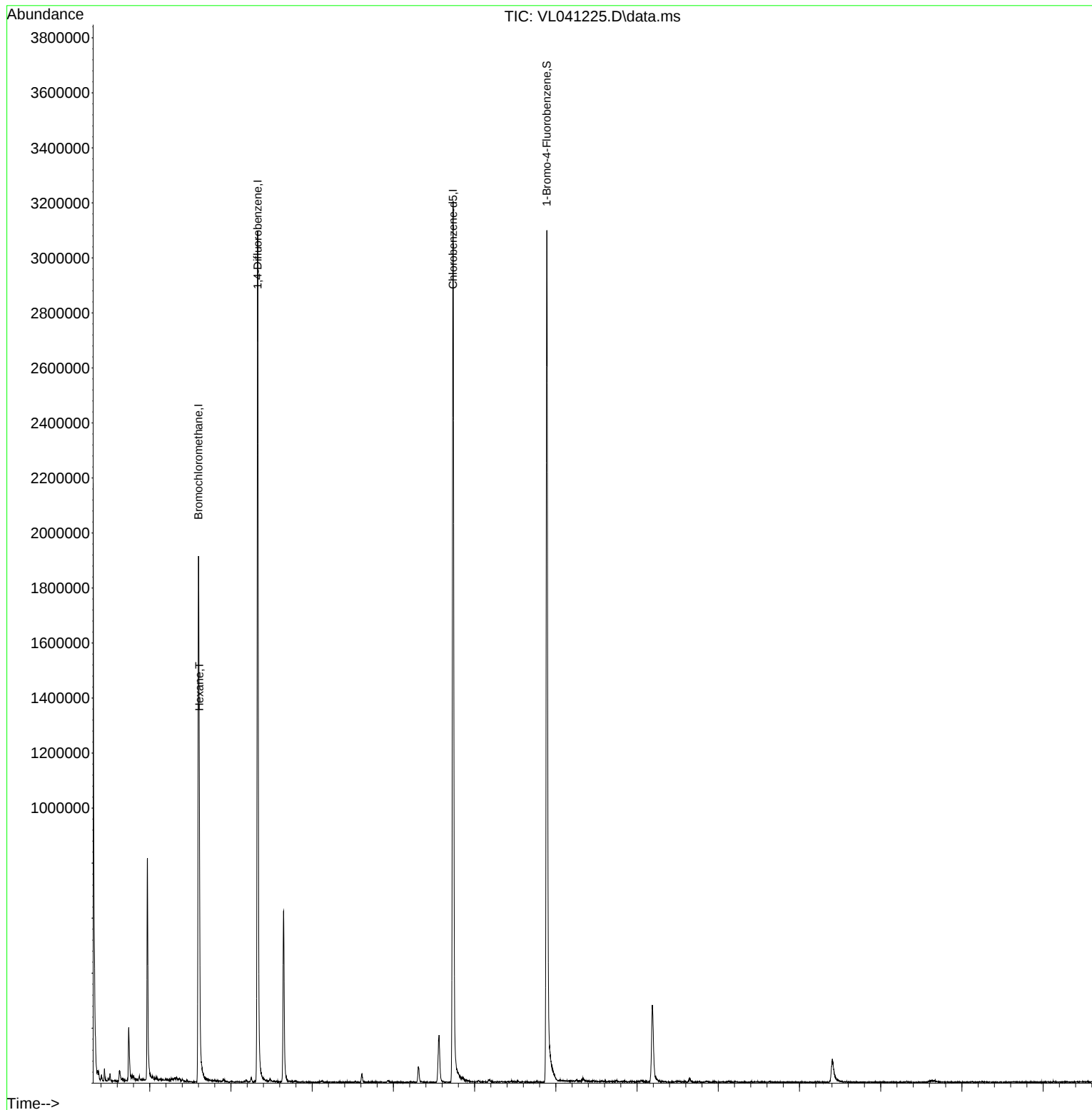
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
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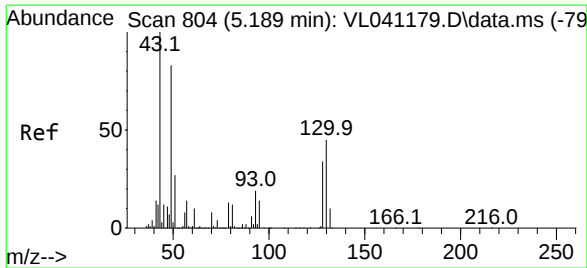
Instrument :
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ClientSampleId :
BA-03-IA02-20240425DL

Quant Time: May 07 05:27:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
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QLast Update : Tue May 07 05:19:44 2024
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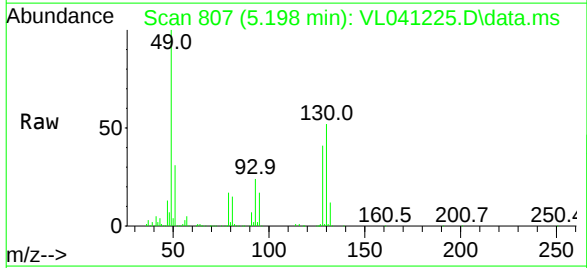
Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

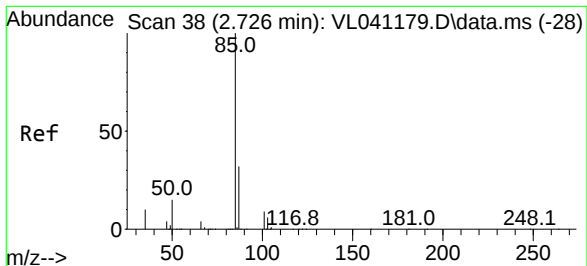
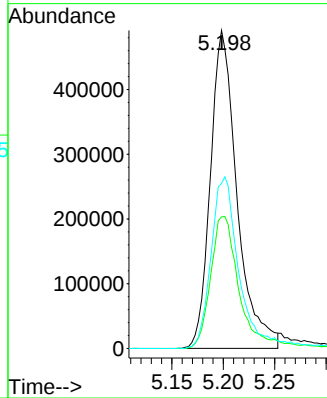
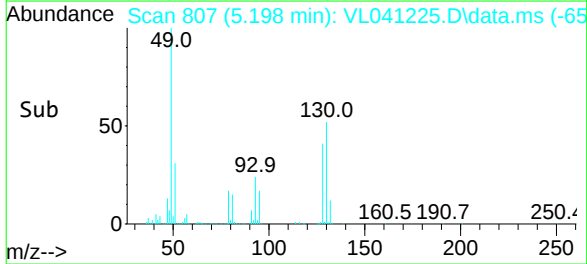
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DL



Tgt Ion: 49 Resp: 884022
Ion Ratio Lower Upper
49 100
128 46.2 21.5 64.5
130 58.7 27.2 81.6

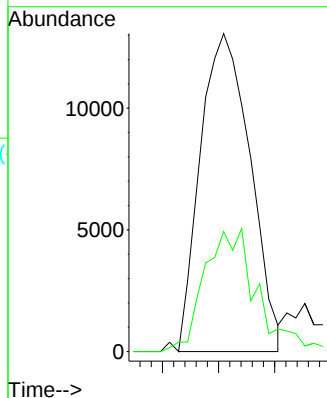
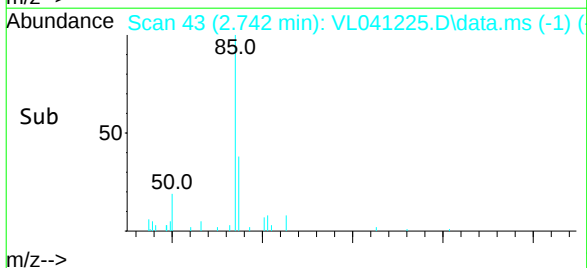
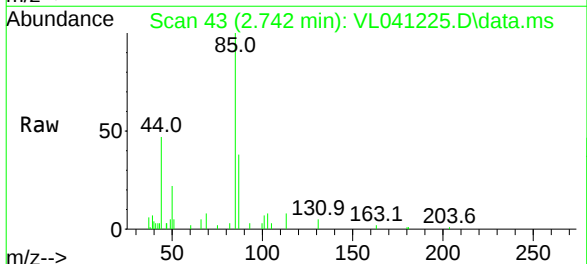
Manual Integrations
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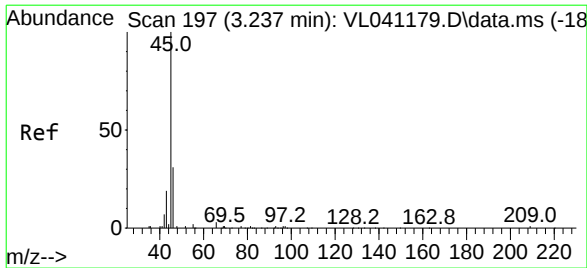
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.135 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Tgt Ion: 85 Resp: 16137
Ion Ratio Lower Upper
85 100
87 34.7 25.7 38.5





#13

Ethanol

Concen: 3.954 ppbv m

RT: 3.256 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA02-20240425DL

Tgt Ion: 45 Resp: 46572

Ion Ratio Lower Upper

45 100

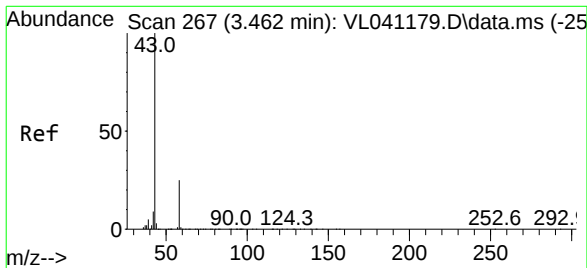
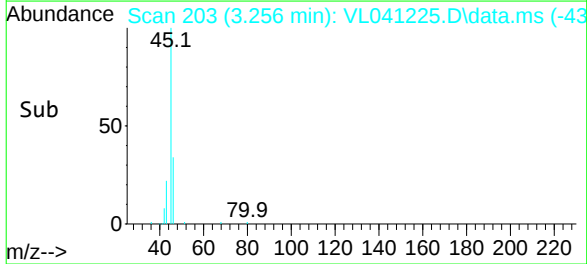
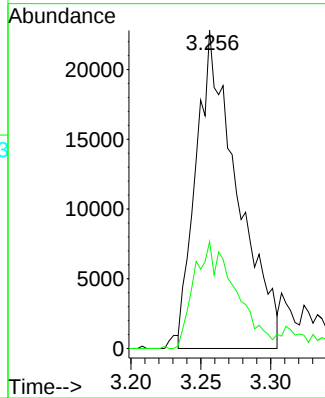
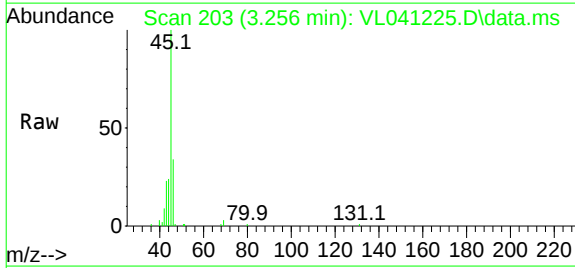
46 38.1 14.8 59.0

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#15

Acetone

Concen: 2.015 ppbv

RT: 3.481 min Scan# 273

Delta R.T. 0.007 min

Lab File: VL041225.D

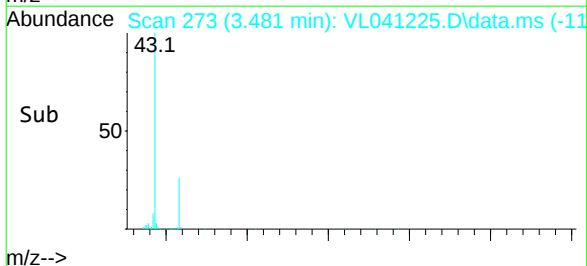
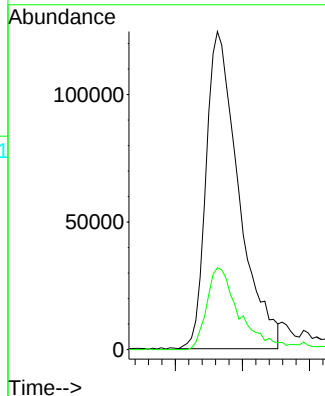
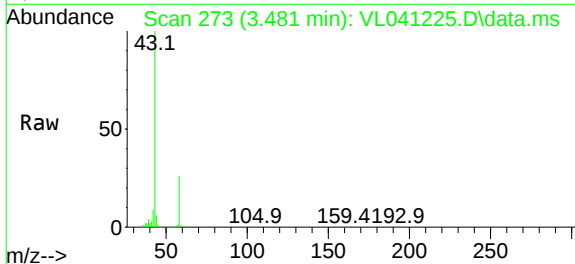
Acq: 6 May 2024 19:36

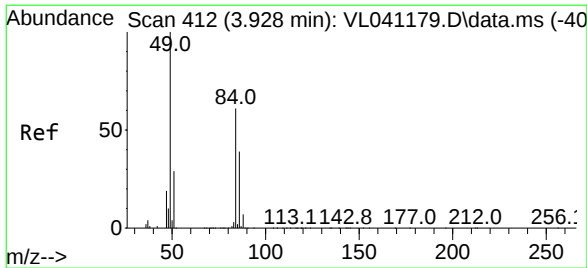
Tgt Ion: 43 Resp: 210187

Ion Ratio Lower Upper

43 100

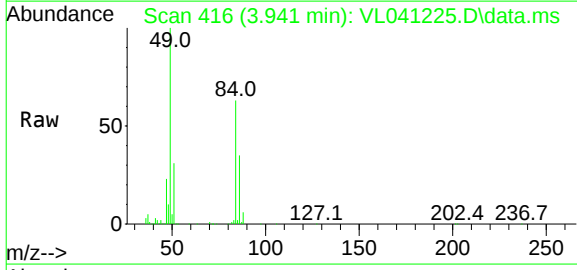
58 27.2 21.4 32.0





#20
Methylene Chloride
Concen: 7.138 ppbv
RT: 3.941 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

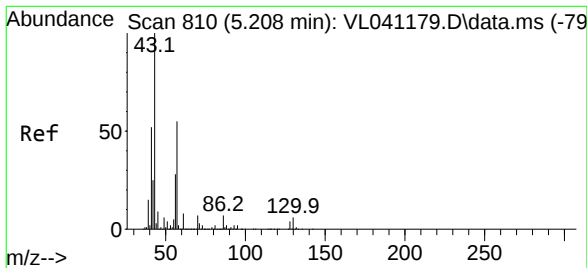
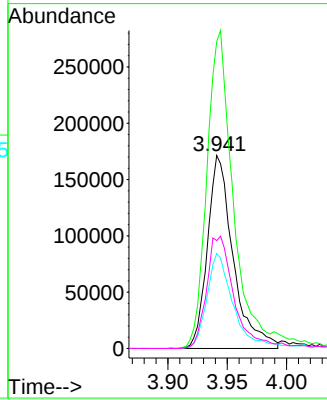
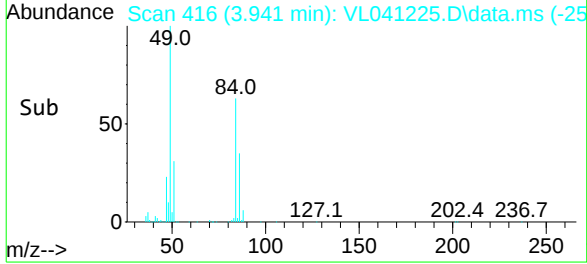
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA02-20240425DL



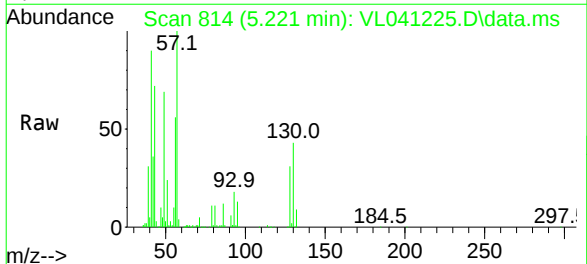
Tgt Ion:	84	Resp:	258955
Ion	Ratio	Lower	Upper
84	100		
49	158.8	130.4	195.6
51	49.1	38.0	57.0
86	55.9	50.3	75.5

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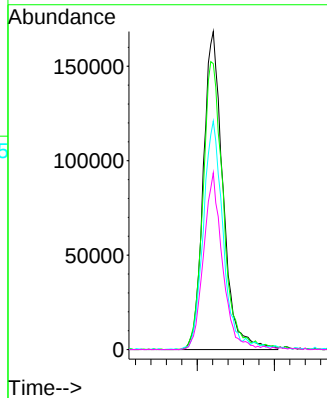
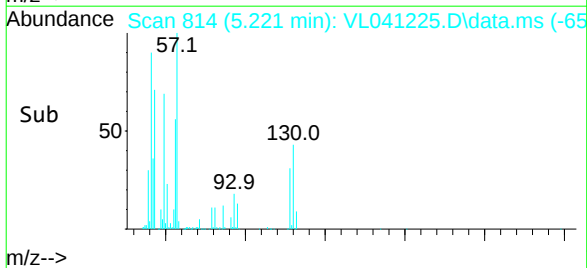
Reviewed By :Semsettin Yesilyurt 05/07/2024
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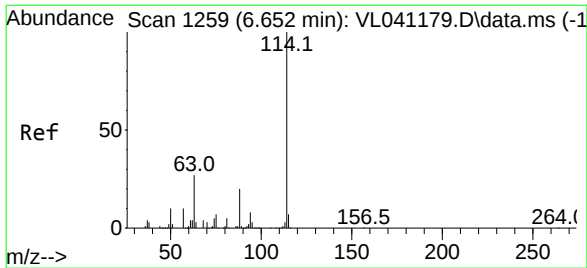


#26
Hexane
Concen: 3.214 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.007 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36



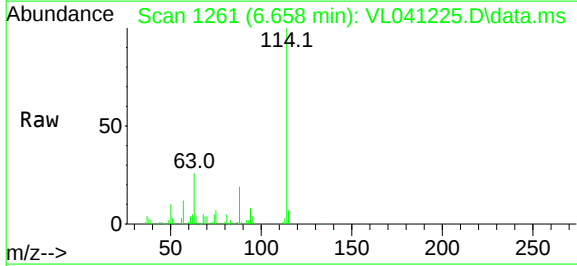
Tgt Ion:	57	Resp:	298724
Ion	Ratio	Lower	Upper
57	100		
41	94.3	75.8	113.8
43	72.3	187.0	280.4#
56	54.1	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1212
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

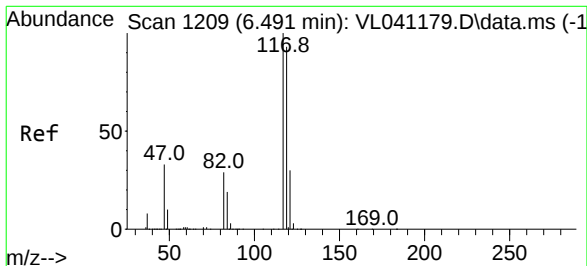
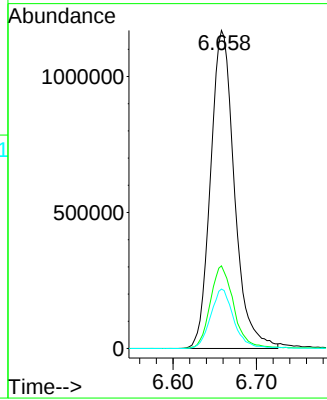
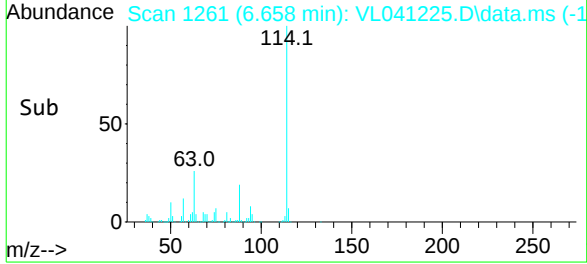
Instrument :
MSVOA_L
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BA-03-IA02-20240425DL



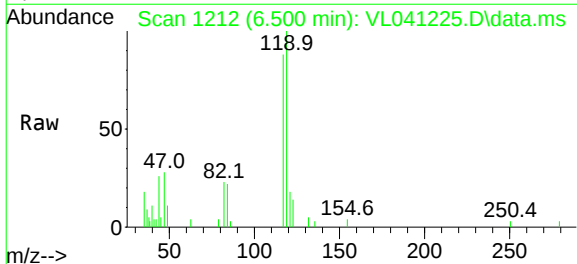
Tgt Ion:114 Resp: 2324336
Ion Ratio Lower Upper
114 100
63 26.1 21.8 32.6
88 18.4 15.2 22.8

Manual Integrations
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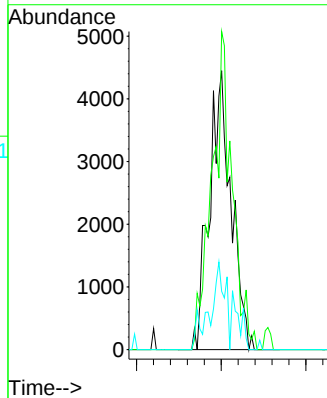
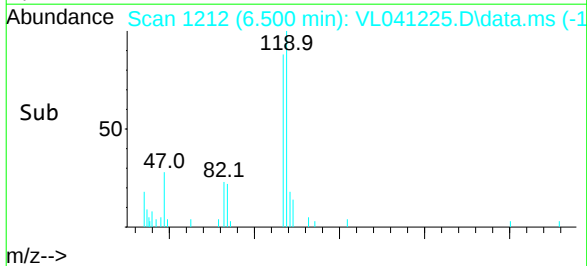
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

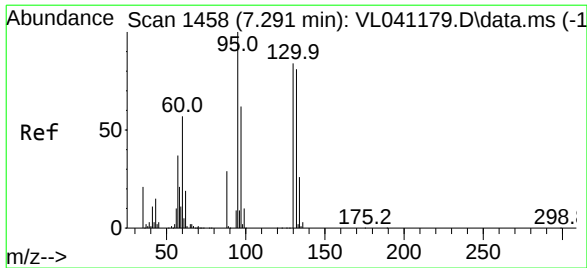


#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 6.500 min Scan# 1212
Delta R.T. 0.007 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36



Tgt Ion:117 Resp: 7937
Ion Ratio Lower Upper
117 100
119 114.0 74.3 111.5#
121 20.9 23.8 35.8#





#38

Trichloroethene

Concen: 2.677 ppbv

RT: 7.295 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041225.D

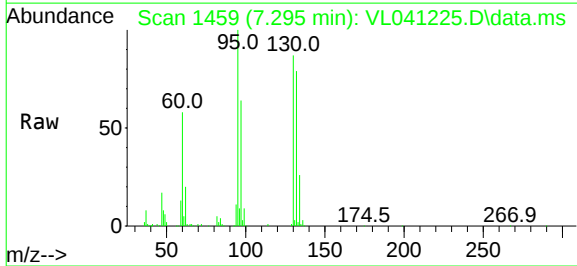
Acq: 6 May 2024 19:36

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA02-20240425DL



Tgt Ion:130 Resp: 194572

Ion Ratio Lower Upper

130 100

95 115.2 95.0 142.6

132 91.3 77.0 115.4

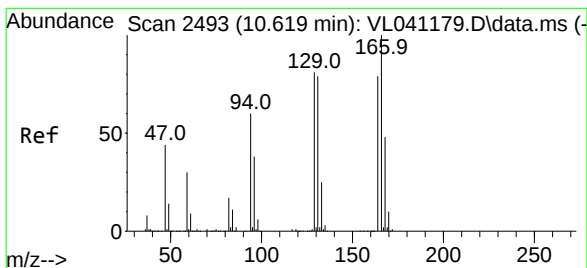
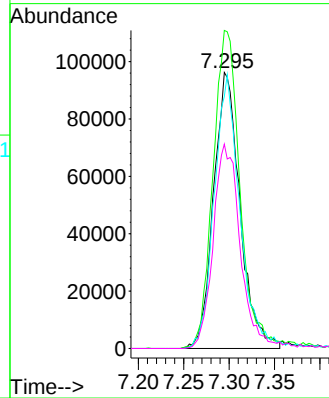
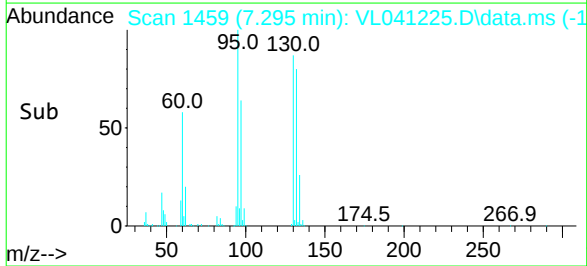
97 74.0 59.1 88.7

Manual Integrations

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#52

Tetrachloroethene

Concen: 0.193 ppbv m

RT: 10.616 min Scan# 2492

Delta R.T. 0.003 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

Tgt Ion:164 Resp: 13242

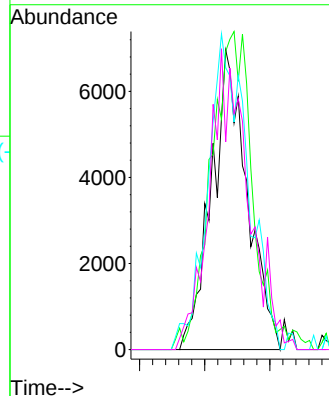
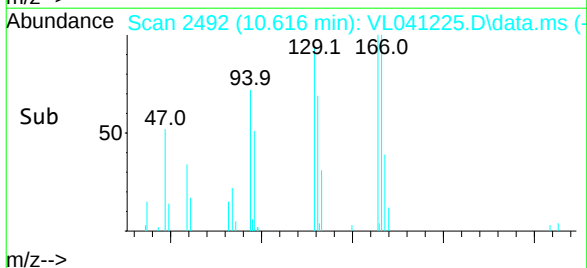
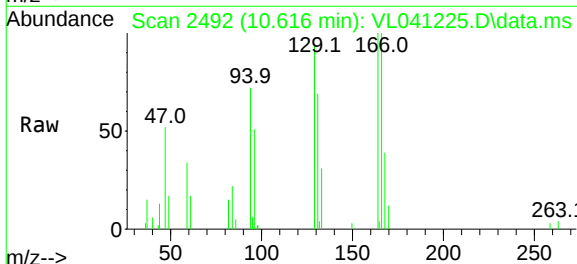
Ion Ratio Lower Upper

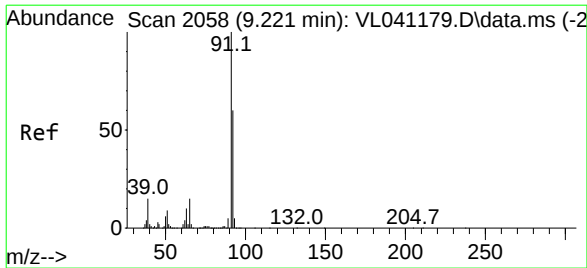
164 100

166 99.5 101.1 151.7#

129 94.1 81.7 122.5

131 69.3 80.4 120.6#





#53

Toluene

Concen: 0.097 ppbv

RT: 9.230 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA02-20240425DL

Tgt Ion: 91 Resp: 21949

Ion Ratio Lower Upper

91 100

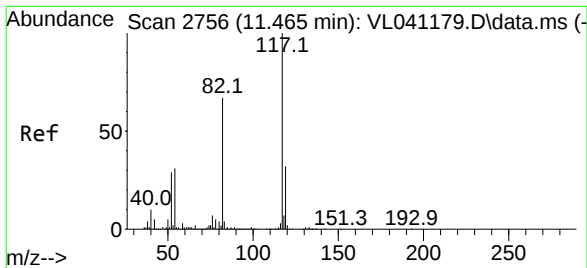
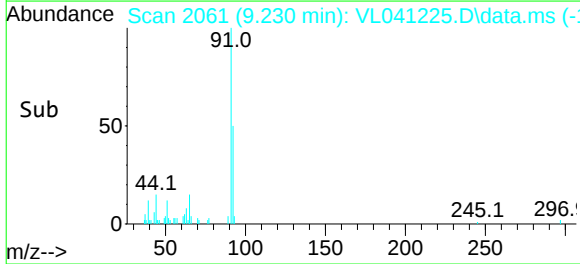
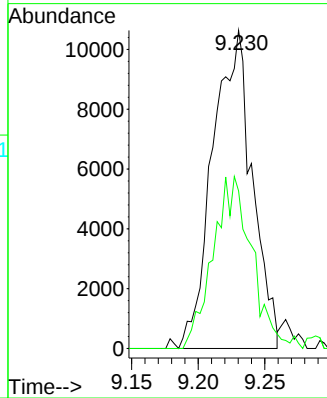
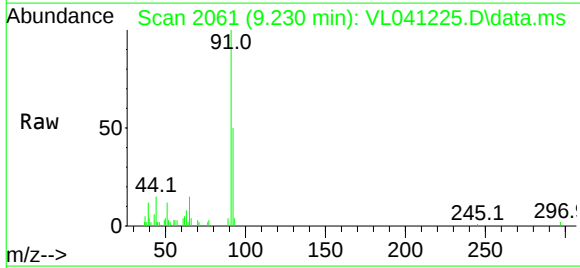
92 54.6 48.2 72.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.003 min

Lab File: VL041225.D

Acq: 6 May 2024 19:36

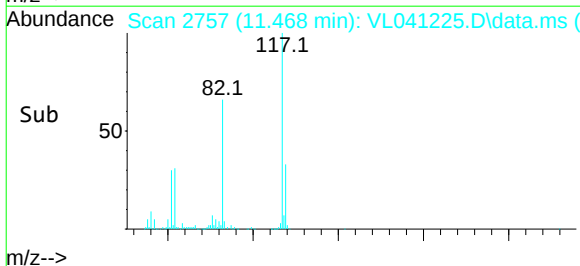
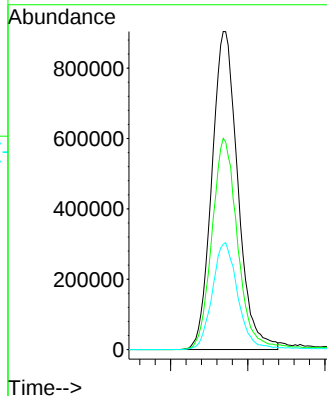
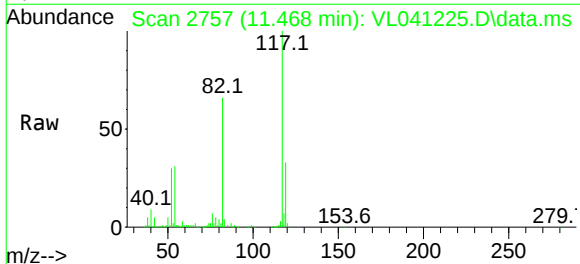
Tgt Ion:117 Resp: 2115243

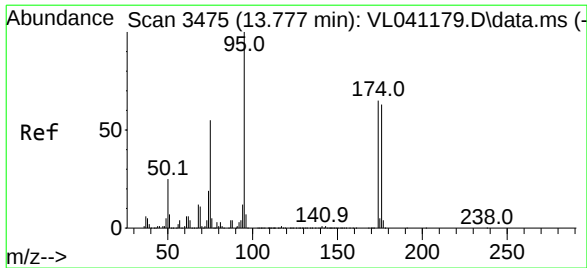
Ion Ratio Lower Upper

117 100

82 67.2 53.6 80.4

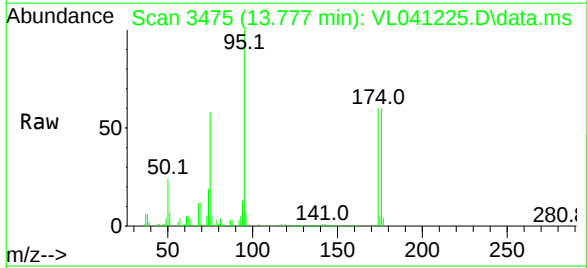
119 33.9 27.2 40.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.829 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041225.D
Acq: 6 May 2024 19:36

Instrument : MSVOA_L
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Tgt Ion: 95 Resp: 1569596

Ion	Ratio	Lower	Upper
95	100		
174	68.0	53.6	80.4
175	4.9	4.2	6.4

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