

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041017.D
 Acq On : 24 Jan 2024 15:45
 Operator : SY/MD
 Sample : P1187-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

Quant Time: Jan 25 03:20:15 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 : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1002956	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2529049	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2145908	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1620158m	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.896	62	5651m	0.091	ppbv	
32) 1,1,1-Trichloroethane	5.973	97	13583	0.081	ppbv	88
35) Carbon Tetrachloride	6.459	117	14214m	0.084	ppbv	
38) Trichloroethene	7.259	130	6972m	0.083	ppbv	
52) Tetrachloroethene	10.577	164	5811m	0.084	ppbv	
54) 1,2-Dibromoethane	9.979	107	7637m	0.064	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.015	83	13581m	0.072	ppbv	
79) Naphthalene	21.361	128	5238m	0.034	ppbv	

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

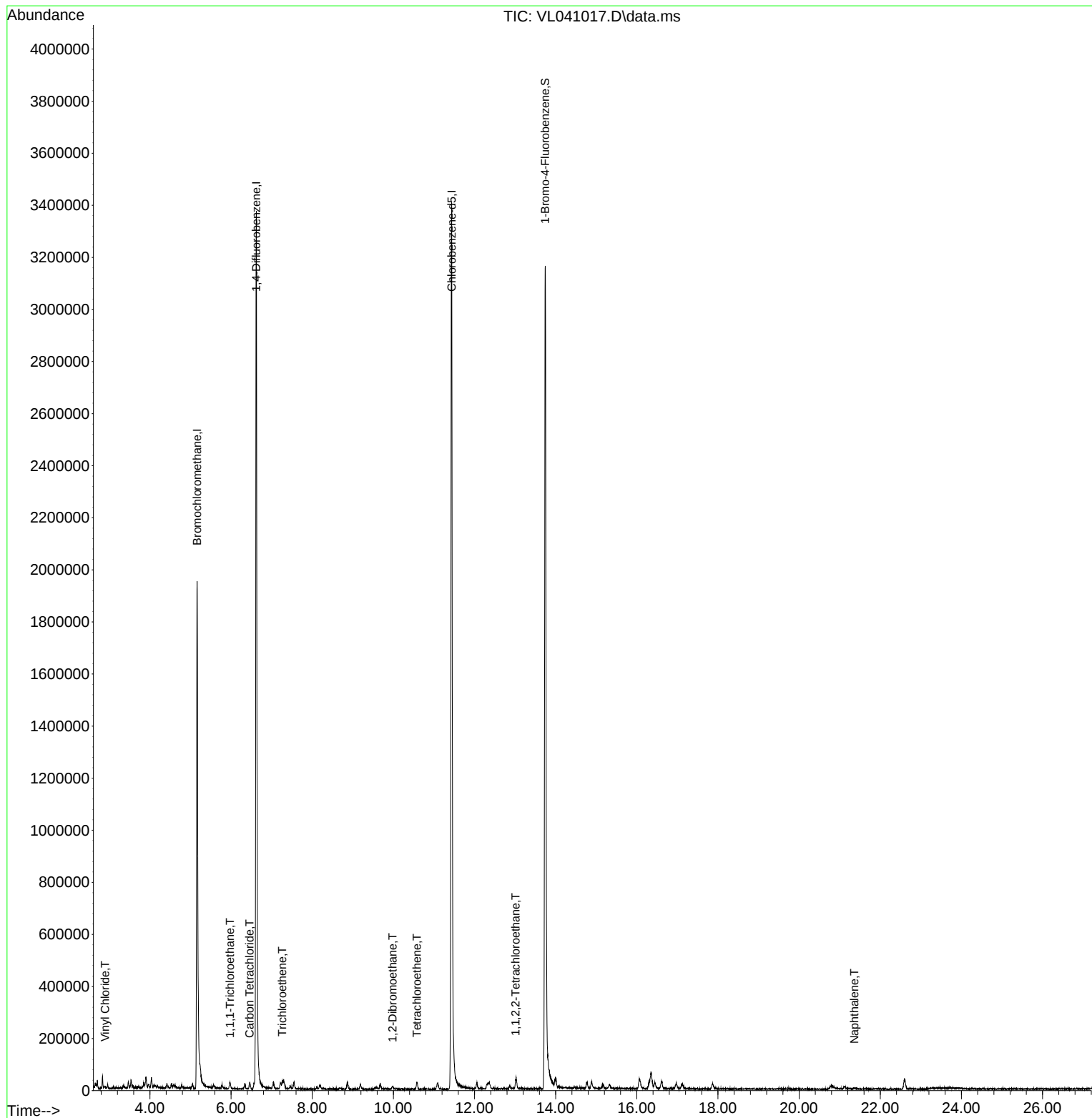
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
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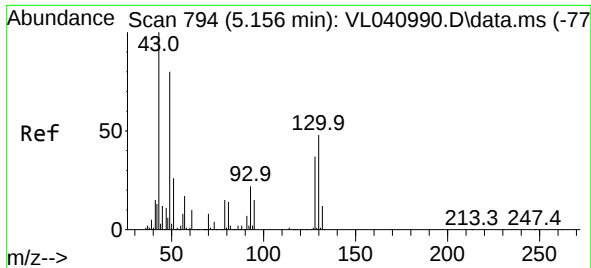
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:20:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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Response via : Initial Calibration

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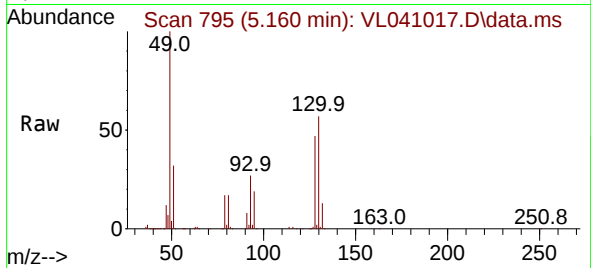
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

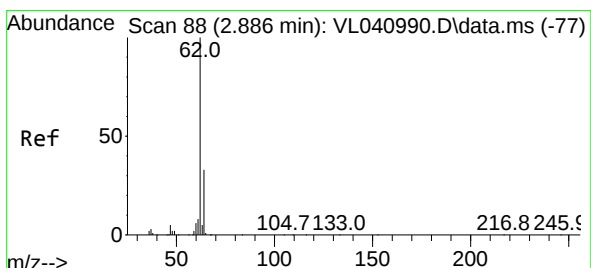
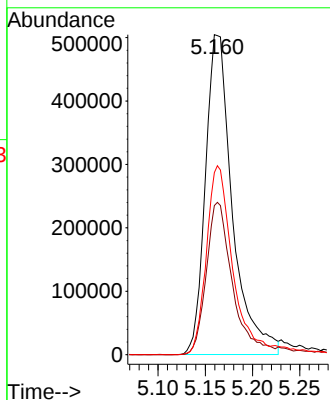
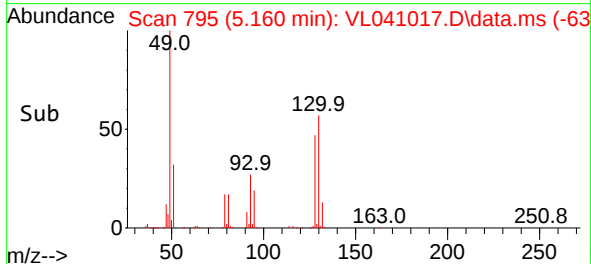
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 49 Resp: 1002950
Ion Ratio Lower Upper
49 100
128 49.4 23.9 71.7
130 61.0 31.1 93.5

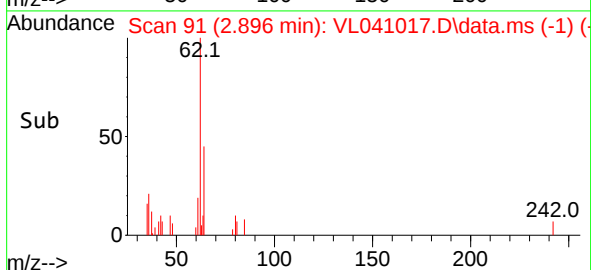
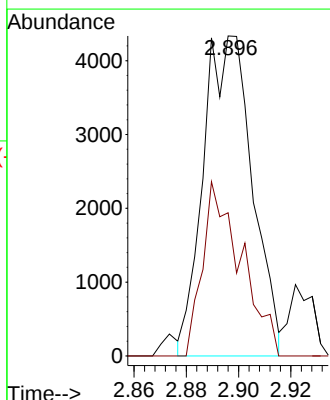
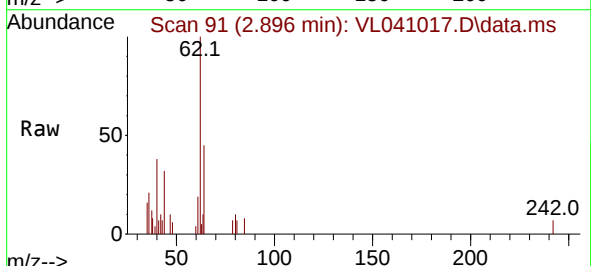
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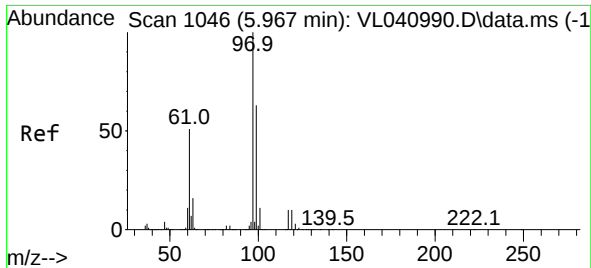
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#5
Vinyl Chloride
Concen: 0.091 ppbv m
RT: 2.896 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

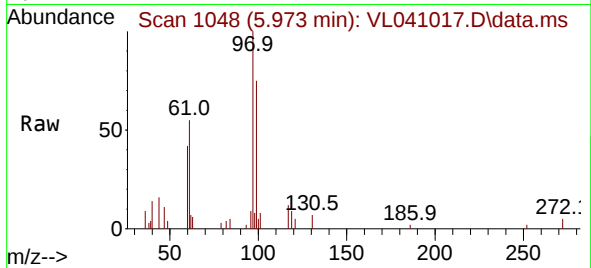
Tgt Ion: 62 Resp: 5651
Ion Ratio Lower Upper
62 100
64 44.7 26.6 40.0#





#32
 1,1,1-Trichloroethane
 Concen: 0.081 ppbv
 RT: 5.973 min Scan# 1046
 Delta R.T. 0.003 min
 Lab File: VL041017.D
 Acq: 24 Jan 2024 15:45

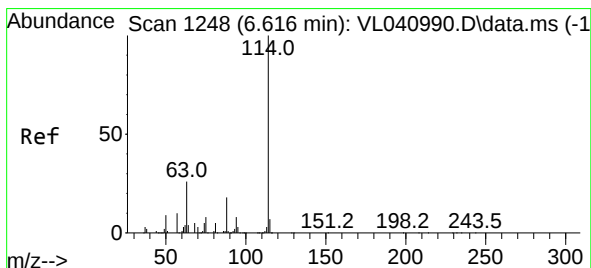
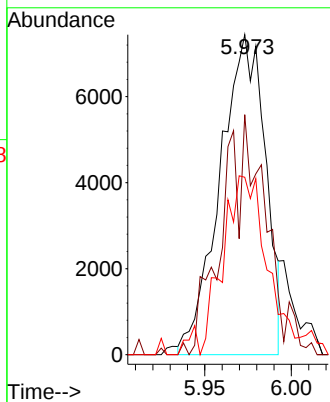
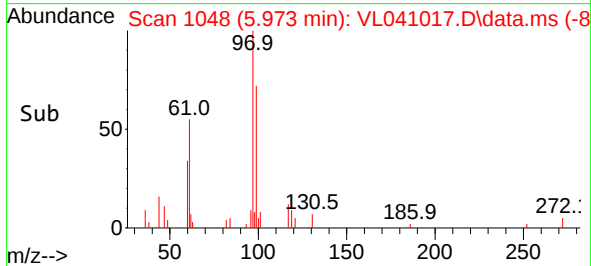
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 97 Resp: 1358
 Ion Ratio Lower Upper
 97 100
 99 73.3 51.5 77.3
 61 59.8 40.3 60.5

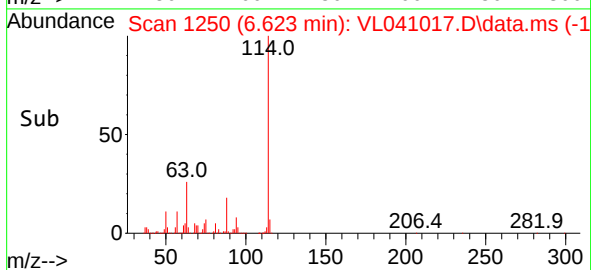
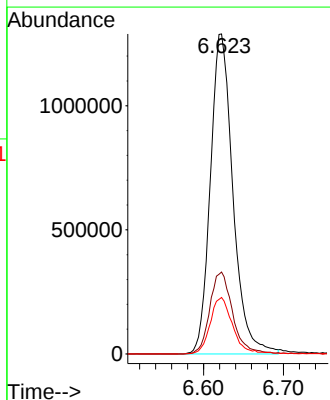
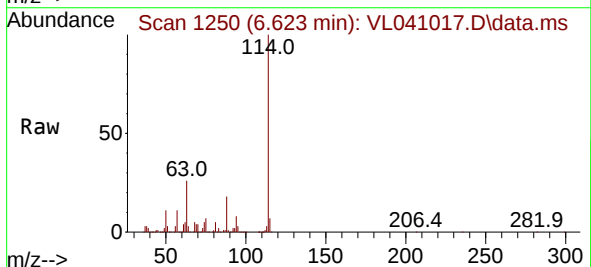
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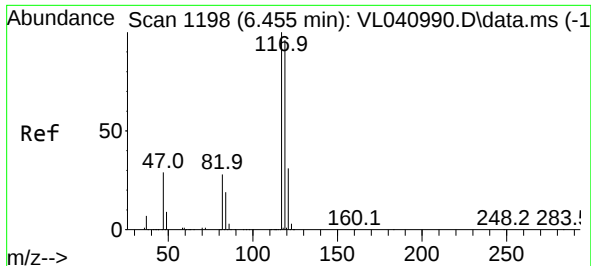
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.623 min Scan# 1250
 Delta R.T. 0.006 min
 Lab File: VL041017.D
 Acq: 24 Jan 2024 15:45

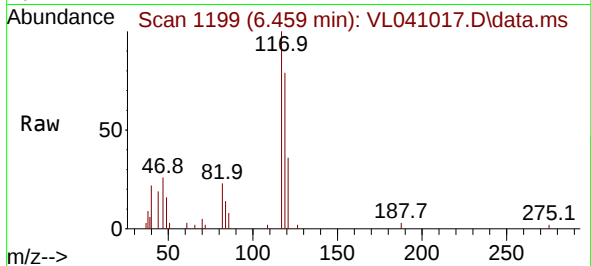
Tgt Ion:114 Resp: 2529049
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.8 31.2
 88 17.7 14.3 21.5





#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 6.459 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

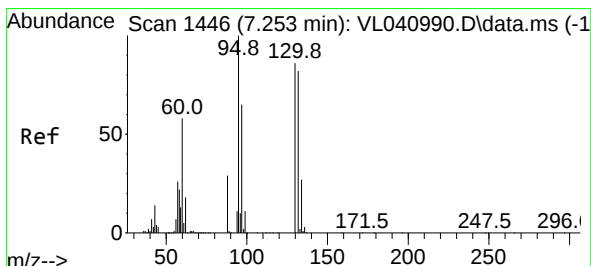
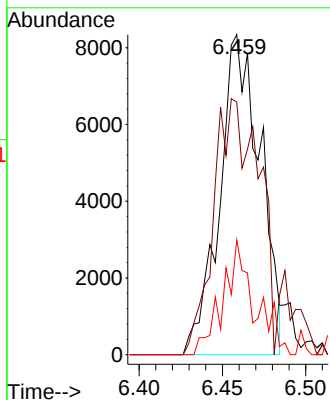
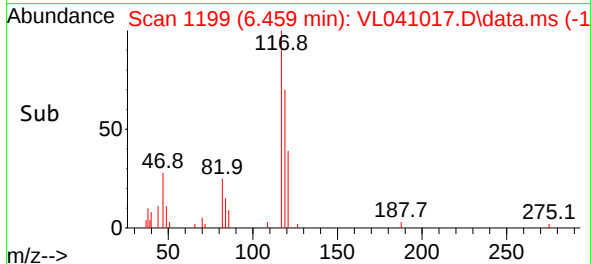
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion:117 Resp: 14214
Ion Ratio Lower Upper
117 100
119 79.0 76.9 115.3
121 35.8 24.7 37.1

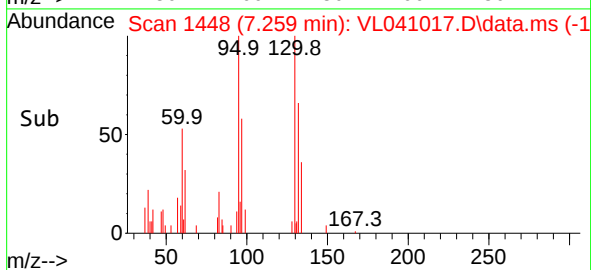
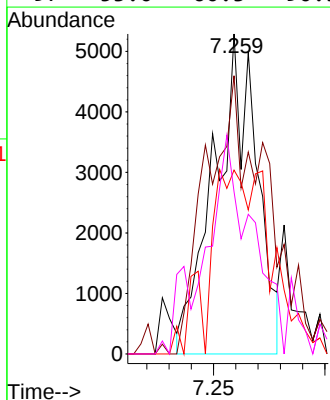
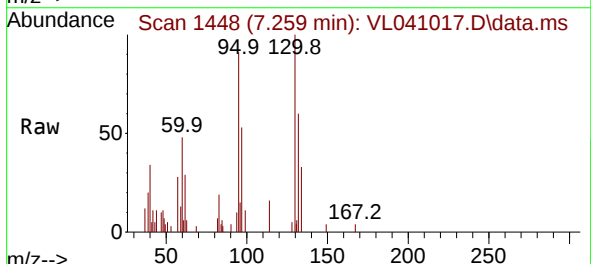
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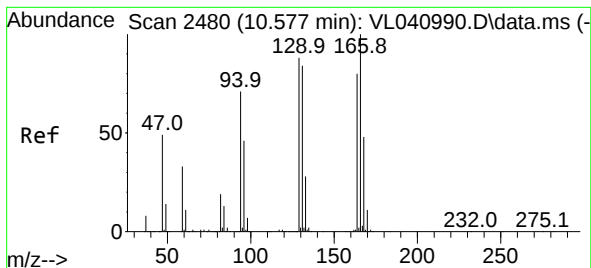
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#38
Trichloroethene
Concen: 0.083 ppbv m
RT: 7.259 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

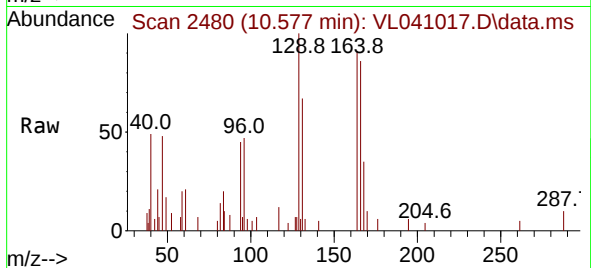
Tgt Ion:130 Resp: 6972
Ion Ratio Lower Upper
130 100
95 90.8 92.9 139.3#
132 60.0 76.2 114.2#
97 53.0 60.3 90.5#





#52
Tetrachloroethene
Concen: 0.084 ppbv m
RT: 10.577 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

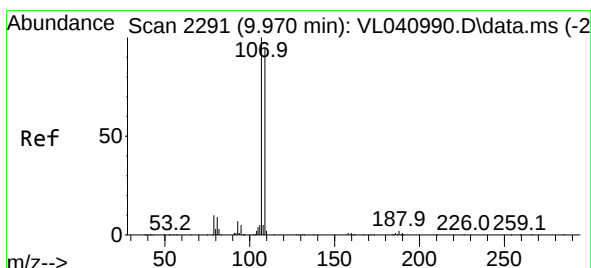
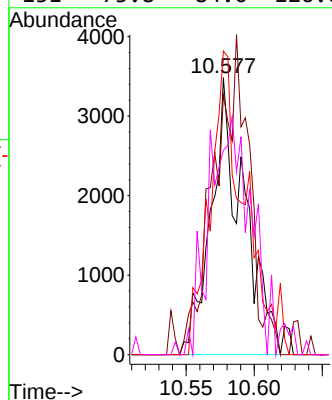
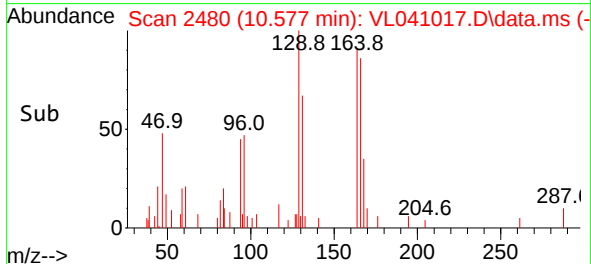
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion:164 Resp: 581
Ion Ratio Lower Upper
164 100
166 93.9 100.2 150.2
129 109.6 87.9 131.9
131 73.8 84.0 126.0#

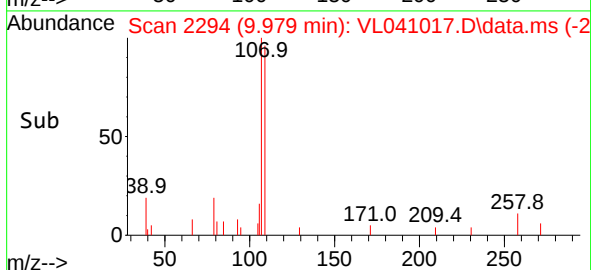
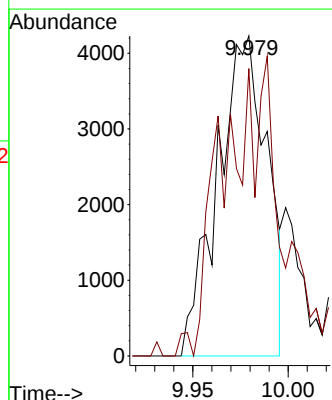
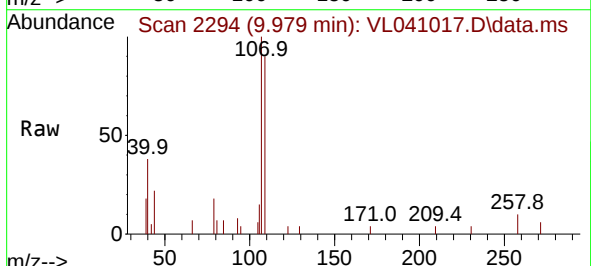
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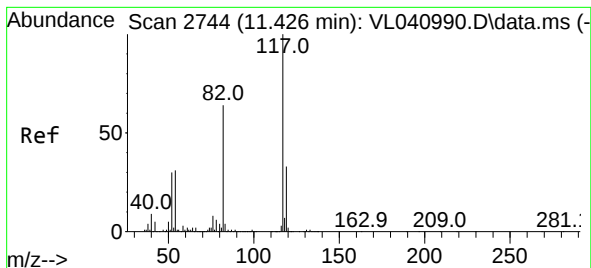
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#54
1,2-Dibromoethane
Concen: 0.064 ppbv m
RT: 9.979 min Scan# 2294
Delta R.T. 0.006 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

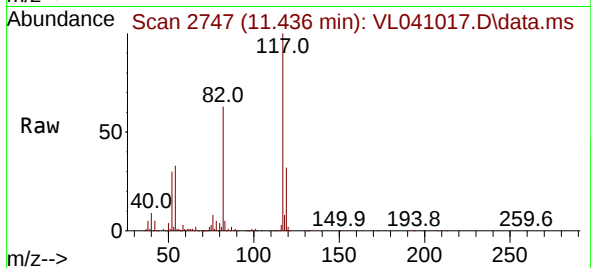
Tgt Ion:107 Resp: 7637
Ion Ratio Lower Upper
107 100
109 89.8 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

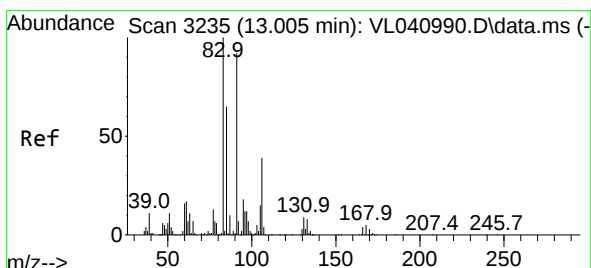
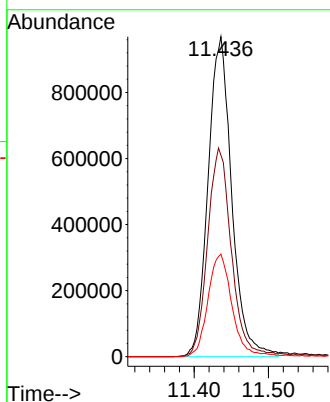
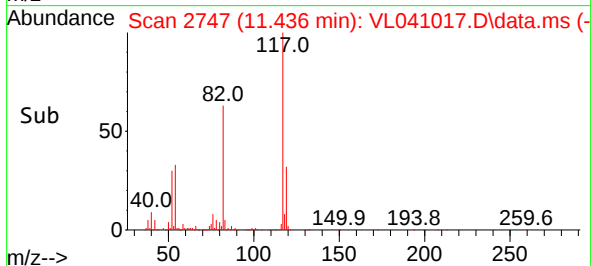
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 117 Resp: 2145908
Ion Ratio Lower Upper
117 100
82 67.0 51.7 77.5
119 33.2 23.8 35.6

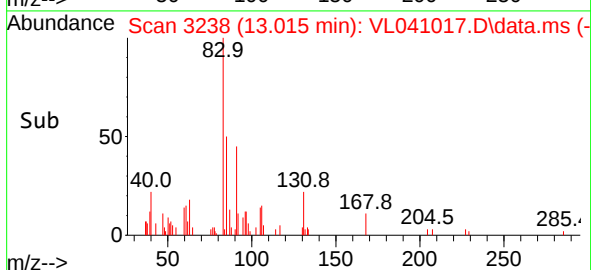
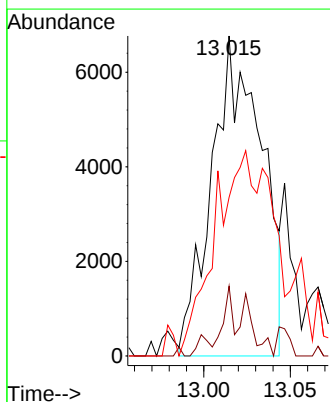
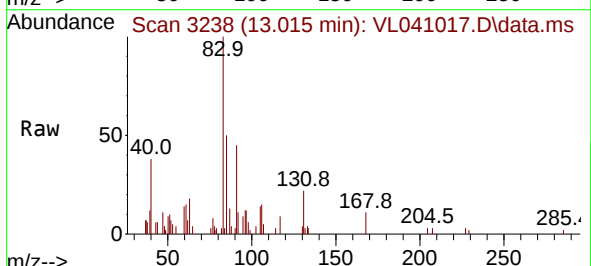
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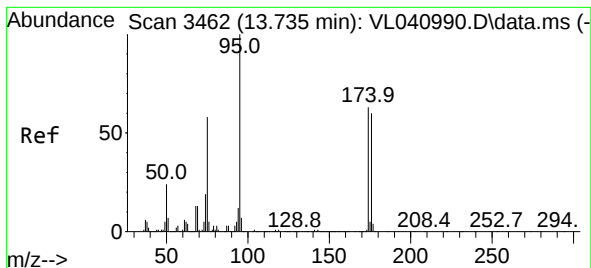
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#63
1,1,2,2-Tetrachloroethane
Concen: 0.072 ppbv m
RT: 13.015 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VL041017.D
Acq: 24 Jan 2024 15:45

Tgt Ion: 83 Resp: 13581
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8#
85 93.1 33.0 99.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.996 ppbv m

RT: 13.741 min Scan# 3462

Delta R.T. 0.003 min

Lab File: VL041017.D

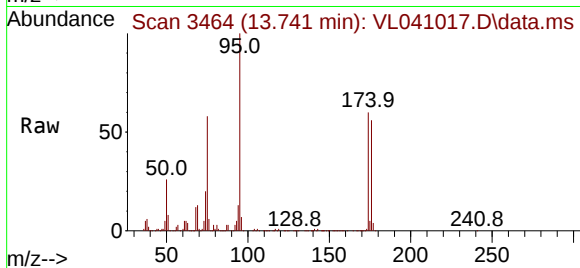
Acq: 24 Jan 2024 15:45

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024



Tgt Ion: 95 Resp: 162015

Ion Ratio Lower Upper

95 100

174 61.3 49.1 73.7

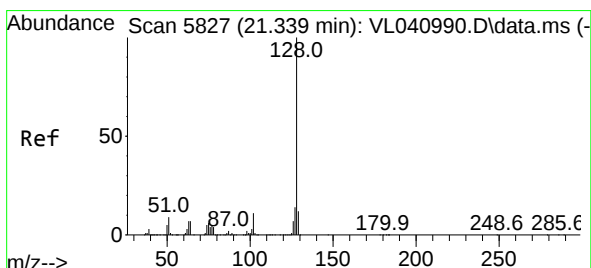
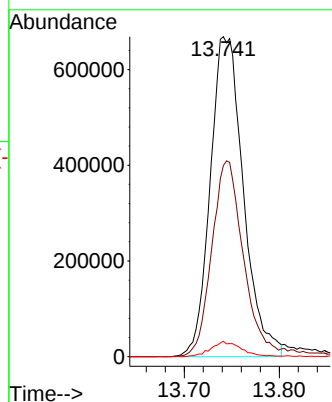
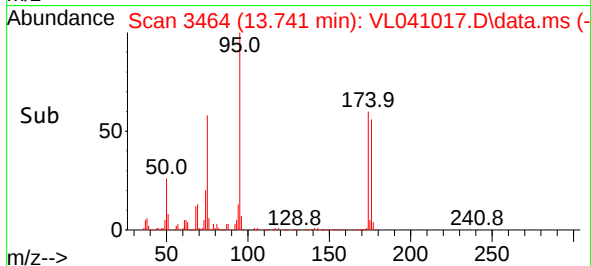
175 4.5 3.7 5.5

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/25/2024



#79

Naphthalene

Concen: 0.034 ppbv m

RT: 21.361 min Scan# 5834

Delta R.T. 0.022 min

Lab File: VL041017.D

Acq: 24 Jan 2024 15:45

Tgt Ion:128 Resp: 5238

Ion Ratio Lower Upper

128 100

127 100.0 10.9 16.3#

129 0.0 9.3 13.9#

