

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041670.D
 Acq On : 14 Oct 2024 16:20
 Operator : SY/MD
 Sample : P4368-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 04:25:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	958409	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.664	114	2608385	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.484	117	2337623	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1714652	9.964	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.919	62	1836m	0.033	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	4062m	0.031	ppbv	
35) Carbon Tetrachloride	6.507	117	3862m	0.030	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	3516m	0.032	ppbv	

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

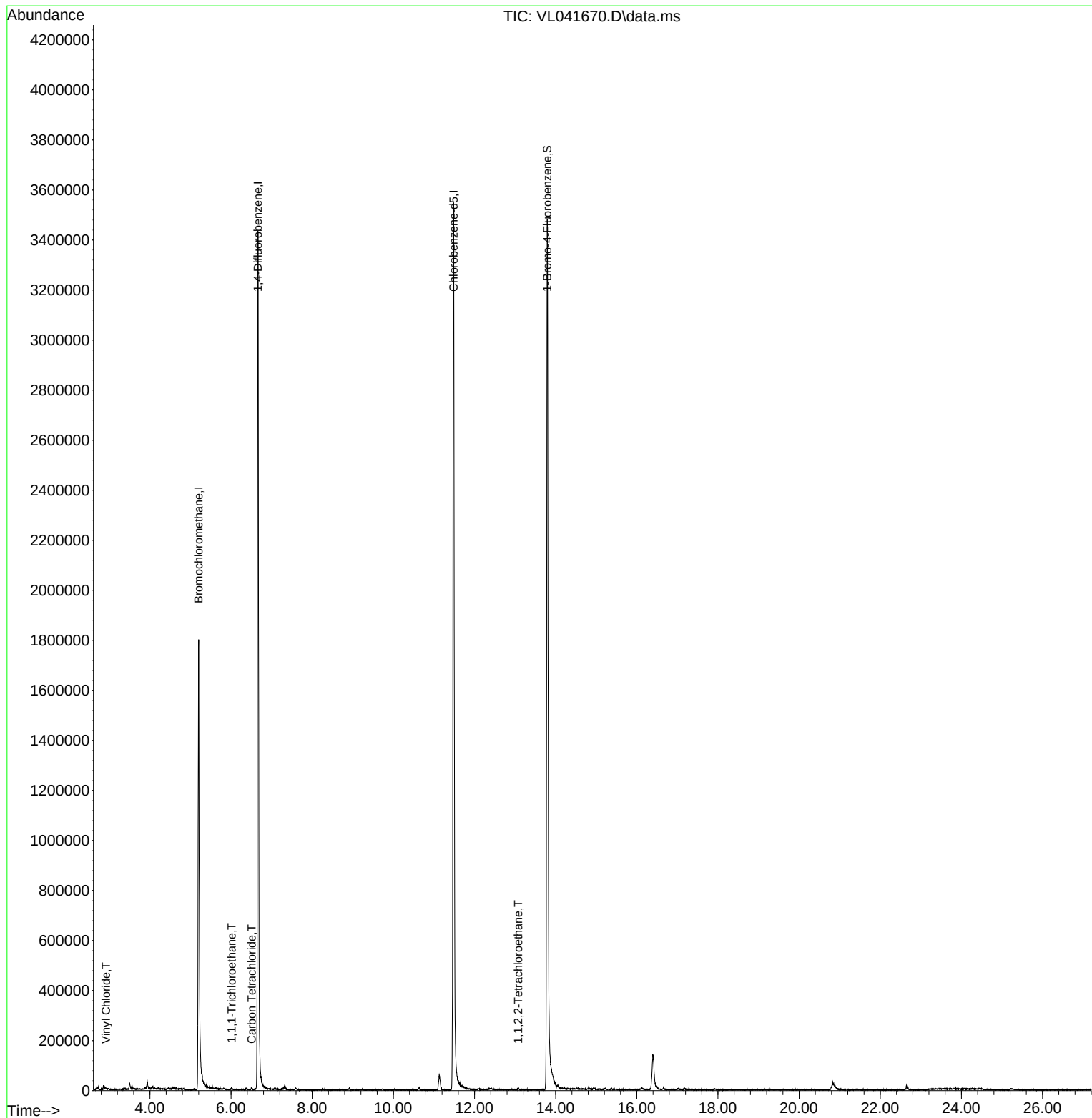
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
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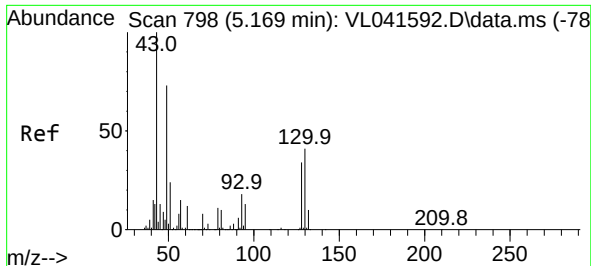
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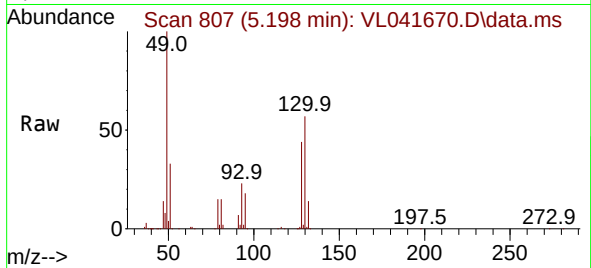
Reviewed By : Semsettin Yesilyurt 10/15/2024
Supervised By : Mahesh Dadoda 10/15/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

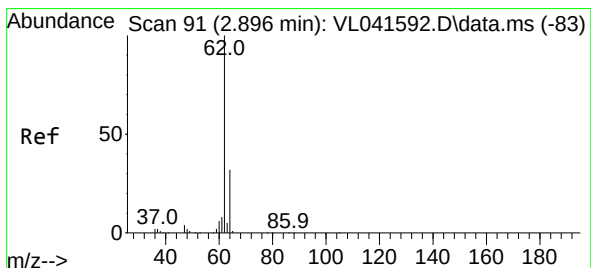
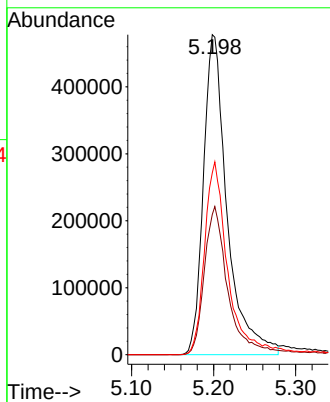
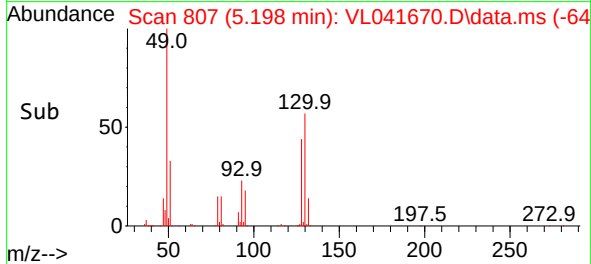
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 49 Resp: 958409
Ion Ratio Lower Upper
49 100
128 48.2 23.8 71.5
130 61.1 30.4 91.3

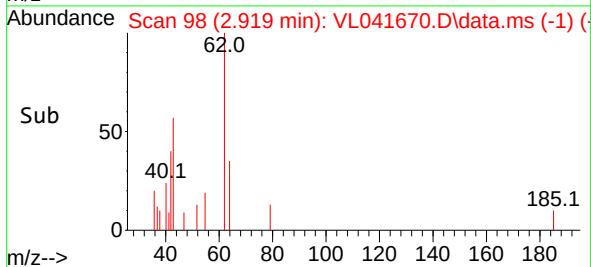
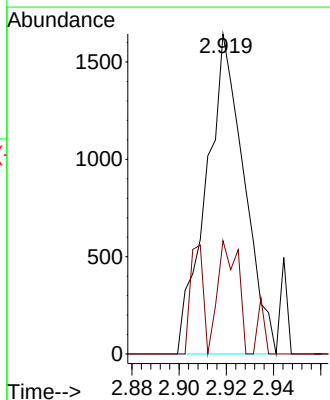
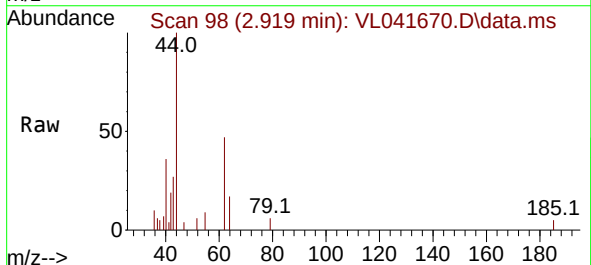
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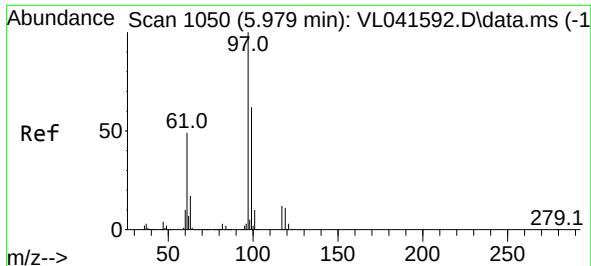
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#5
Vinyl Chloride
Concen: 0.033 ppbv m
RT: 2.919 min Scan# 98
Delta R.T. 0.023 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

Tgt Ion: 62 Resp: 1836
Ion Ratio Lower Upper
62 100
64 35.4 26.0 39.0





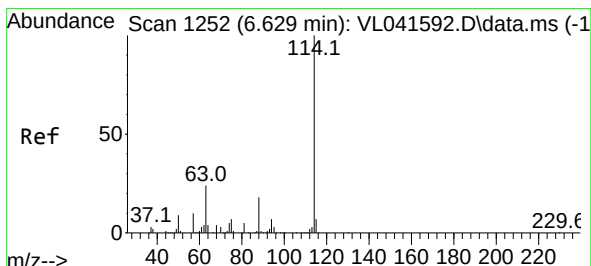
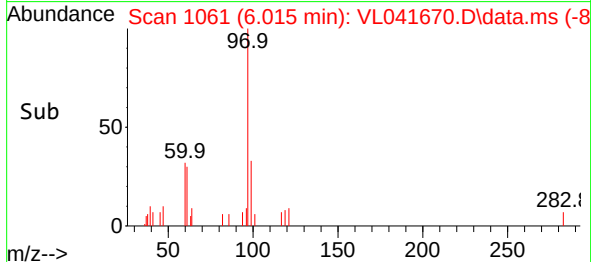
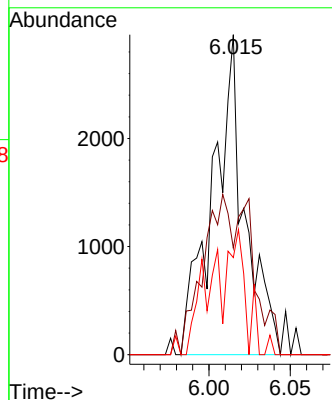
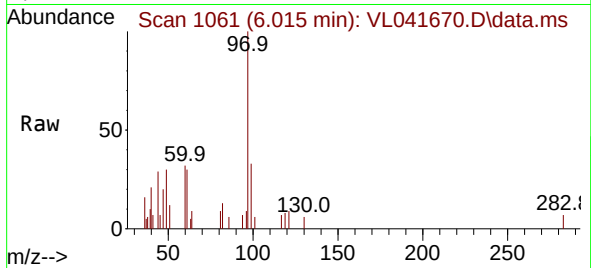
#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv m
RT: 6.015 min Scan# 1050
Delta R.T. 0.036 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 97 Resp: 4062
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4
61 0.0 41.0 61.6

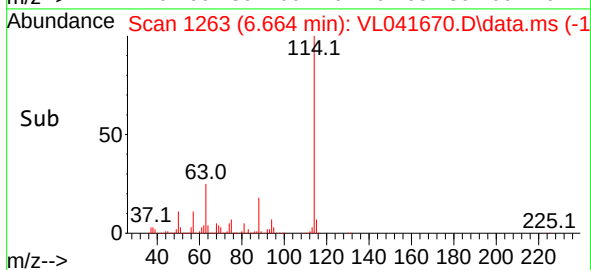
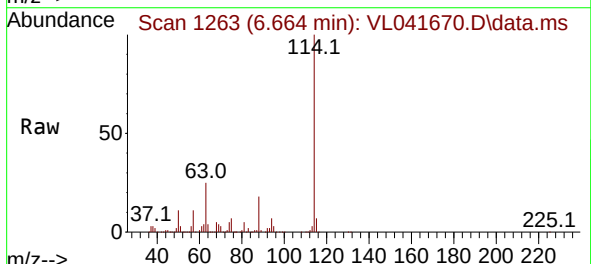
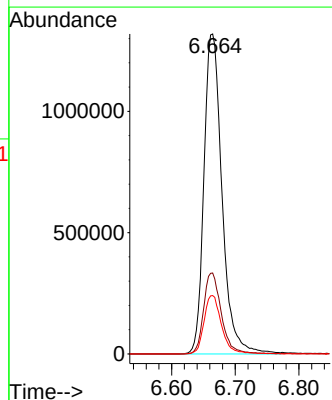
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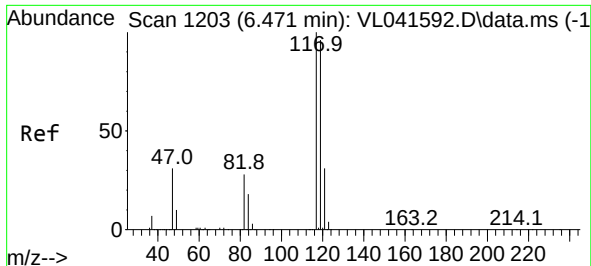
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.036 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

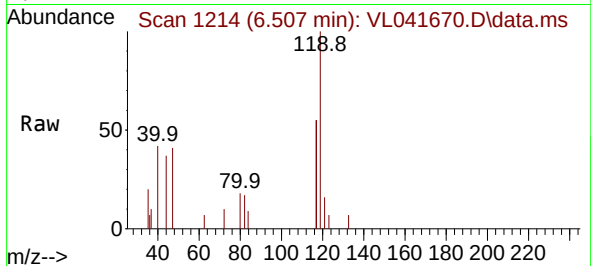
Tgt Ion:114 Resp: 2608385
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.2
88 17.8 14.2 21.4





#35
Carbon Tetrachloride
Concen: 0.030 ppbv m
RT: 6.507 min Scan# 117
Delta R.T. 0.036 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

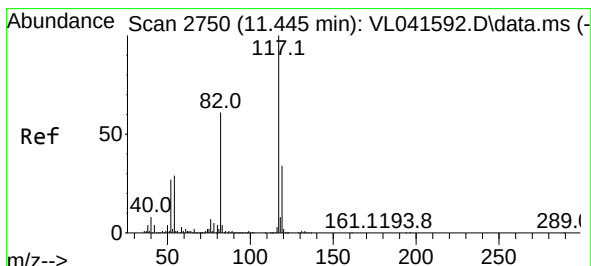
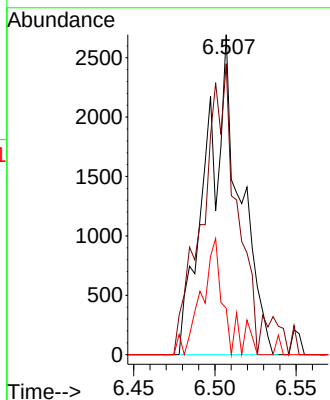
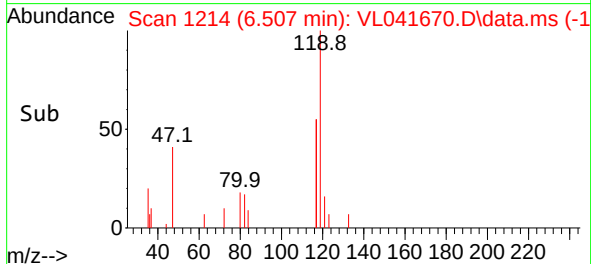
Instrument : MSVOA_L
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Tgt Ion:117 Resp: 3862
Ion Ratio Lower Upper
117 100
119 180.5 76.8 115.2
121 28.7 25.0 37.6

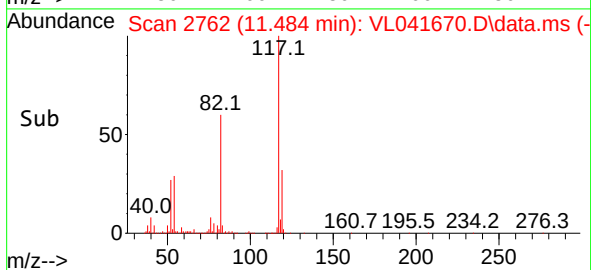
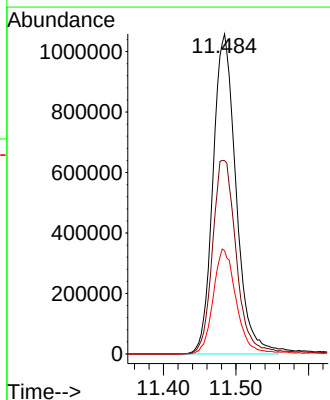
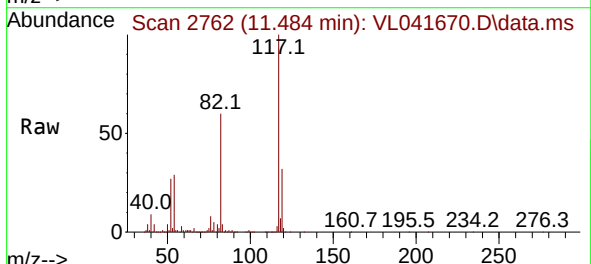
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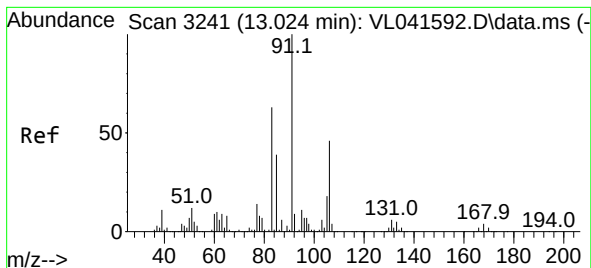
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Supervised By :Mahesh Dadoda 10/15/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.039 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

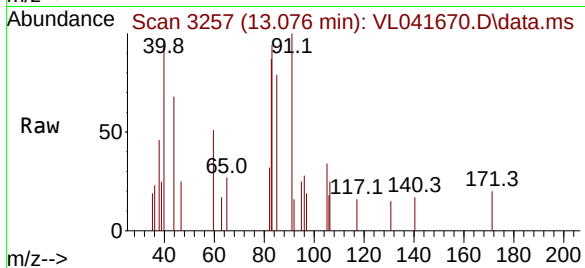
Tgt Ion:117 Resp: 2337623
Ion Ratio Lower Upper
117 100
82 63.3 49.4 74.2
119 33.0 24.4 36.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.032 ppbv m
RT: 13.076 min Scan# 31
Delta R.T. 0.052 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20

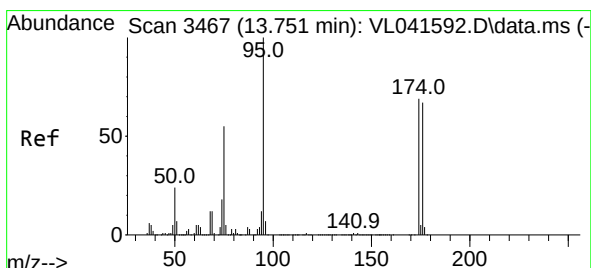
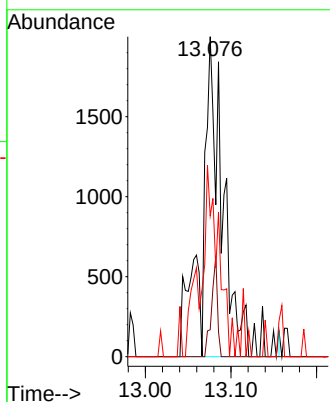
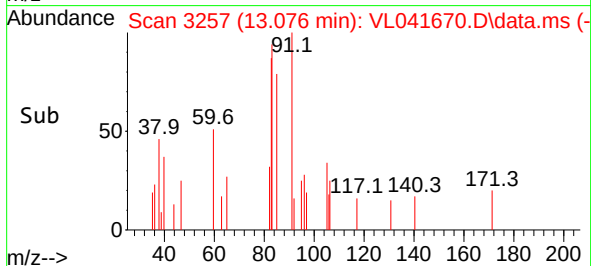
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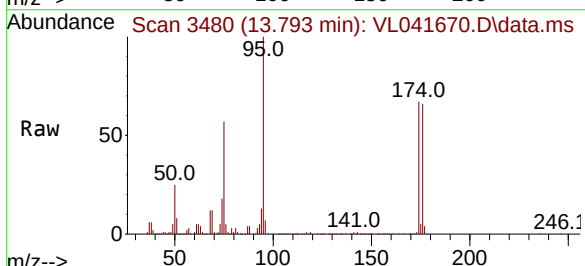
Tgt Ion: 83 Resp: 3510
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4
85 55.7 32.5 97.4

Manual Integrations
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Supervised By :Mahesh Dadoda 10/15/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.042 min
Lab File: VL041670.D
Acq: 14 Oct 2024 16:20



Tgt Ion: 95 Resp: 1714652
Ion Ratio Lower Upper
95 100
174 70.6 55.8 83.8
175 4.9 4.1 6.1

