

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043188.D
 Acq On : 11 Nov 2025 13:16
 Operator : SY/MD
 Sample : Q3530-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

Quant Time: Nov 12 00:20:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/13/2025
 Supervised By : Mahesh Dadoda 11/13/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	139068	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	370729	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.895	117	311024	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	225899	9.344	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.586	62	748	0.097	ppbv	99
32) 1,1,1-Trichloroethane	3.386	97	3016m	0.093	ppbv	
35) Carbon Tetrachloride	3.778	117	3392	0.127	ppbv	92
38) Trichloroethene	4.571	130	1544m	0.106	ppbv	
52) Tetrachloroethene	8.238	164	1339m	0.106	ppbv	
54) 1,2-Dibromoethane	7.678	107	2393m	0.111	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	2871	0.102	ppbv	81

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

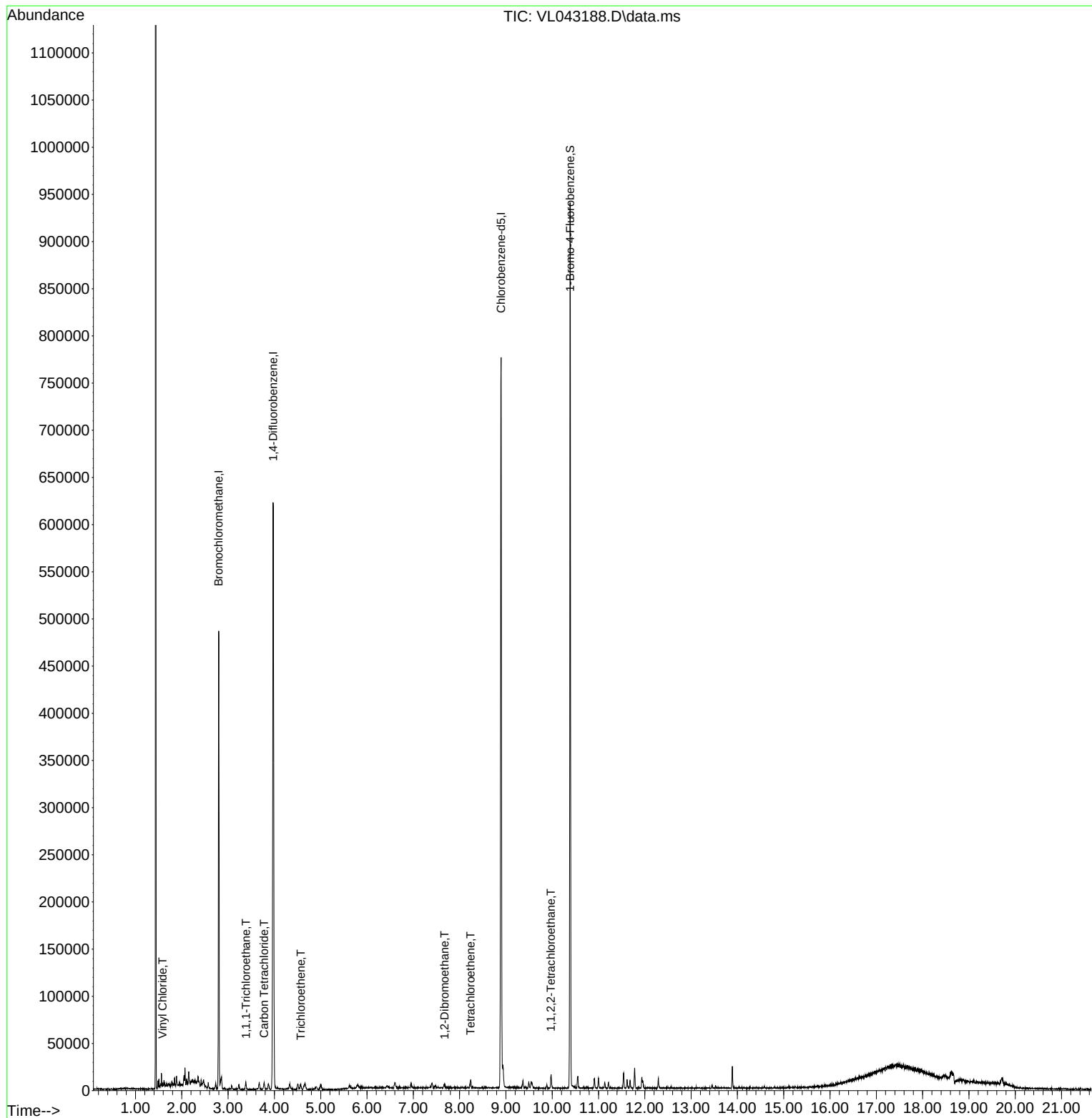
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043188.D
Acq On : 11 Nov 2025 13:16
Operator : SY/MD
Sample : Q3530-15 0.1 MDL
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

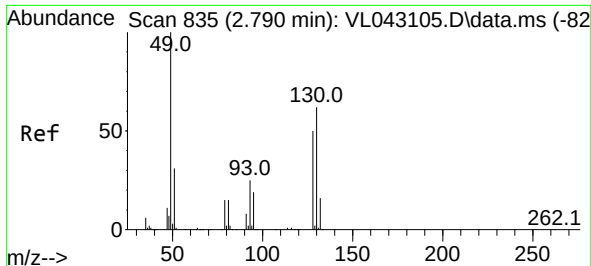
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

Quant Time: Nov 12 00:20:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

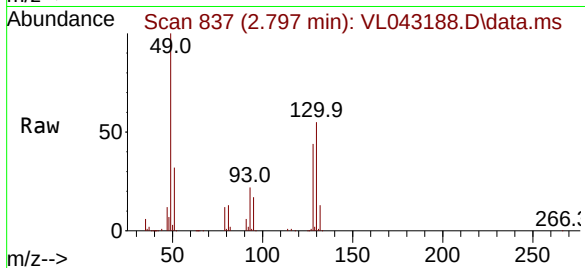
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

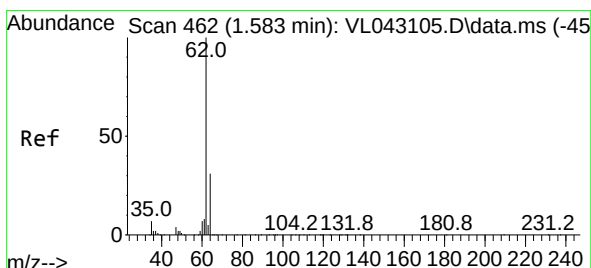
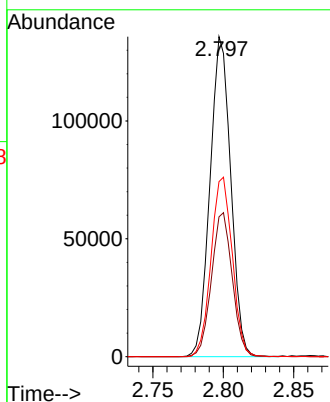
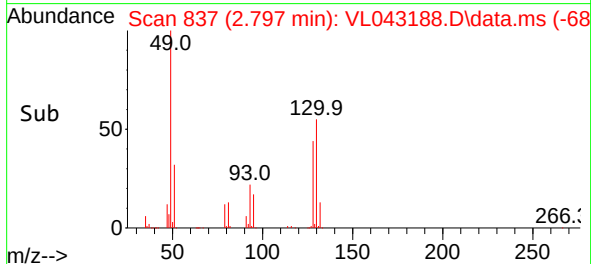
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion: 49 Resp: 139068
Ion Ratio Lower Upper
49 100
128 45.2 24.4 73.4
130 57.5 31.0 93.0

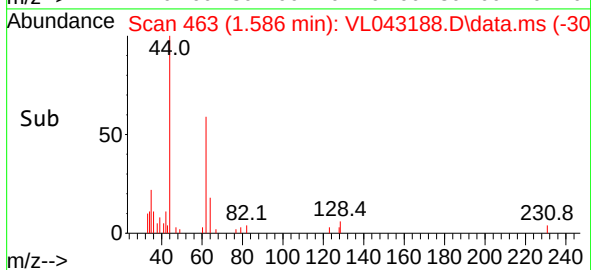
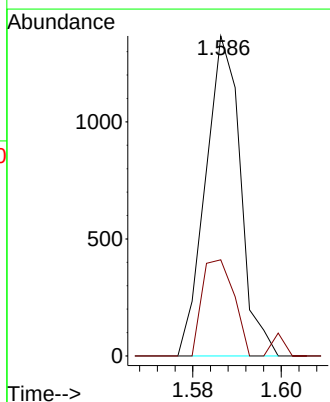
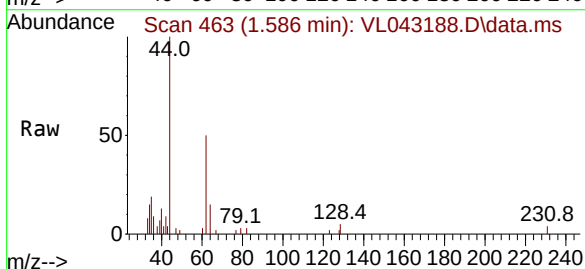
Manual Integrations
APPROVED

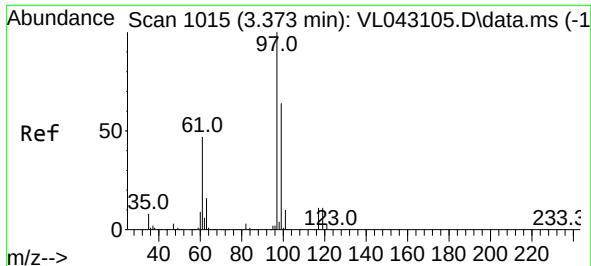
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#5
Vinyl Chloride
Concen: 0.097 ppbv
RT: 1.586 min Scan# 463
Delta R.T. 0.003 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

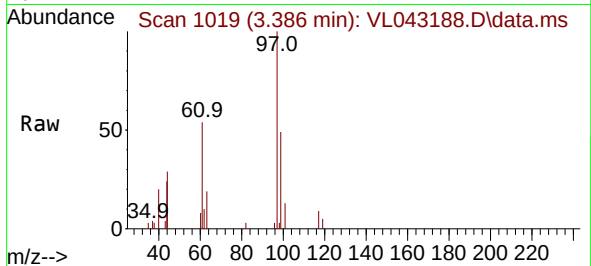
Tgt Ion: 62 Resp: 748
Ion Ratio Lower Upper
62 100
64 30.1 24.6 36.8





#32
1,1,1-Trichloroethane
Concen: 0.093 ppbv m
RT: 3.386 min Scan# 1019
Delta R.T. 0.013 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

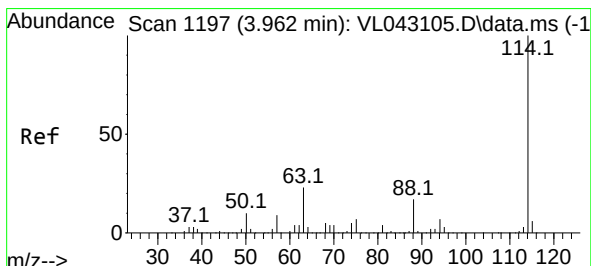
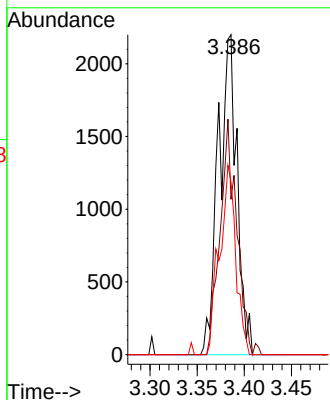
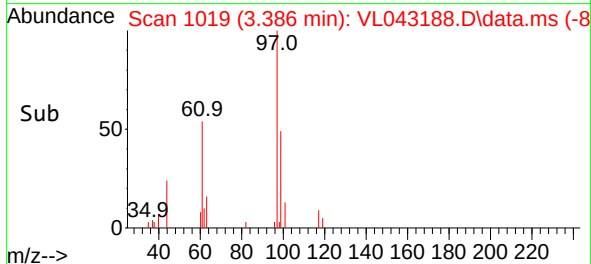
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



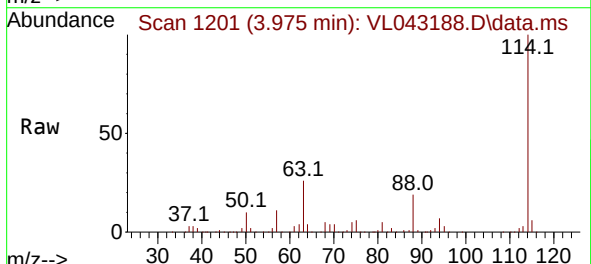
Tgt Ion: 97 Resp: 3010
Ion Ratio Lower Upper
97 100
99 66.7 51.3 76.9
61 52.4 38.4 57.6

Manual Integrations
APPROVED

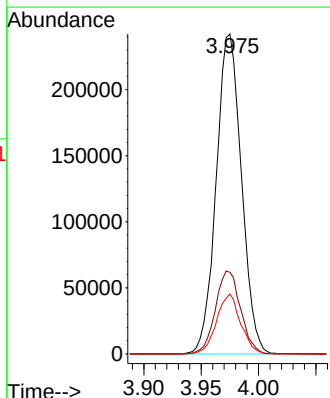
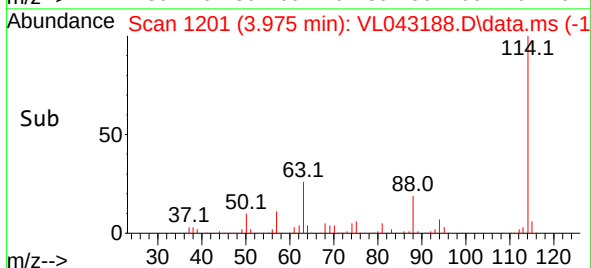
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

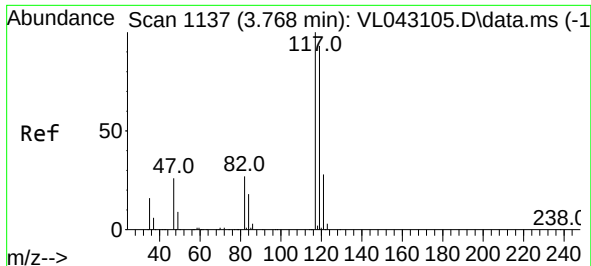


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.013 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16



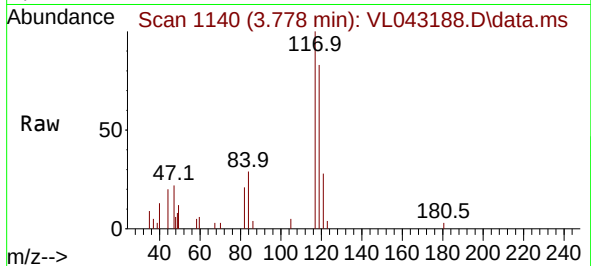
Tgt Ion:114 Resp: 370729
Ion Ratio Lower Upper
114 100
63 25.8 19.3 28.9
88 17.8 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.127 ppbv
RT: 3.778 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

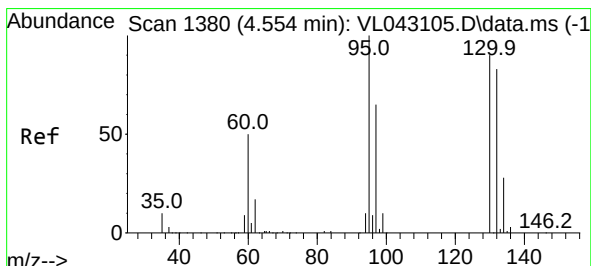
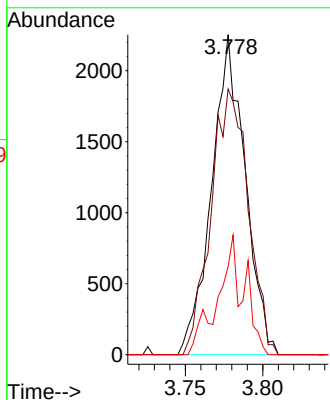
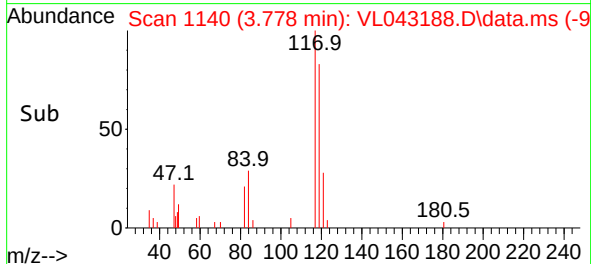
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:117 Resp: 3392
Ion Ratio Lower Upper
117 100
119 83.1 74.1 111.1
121 27.5 22.2 33.2

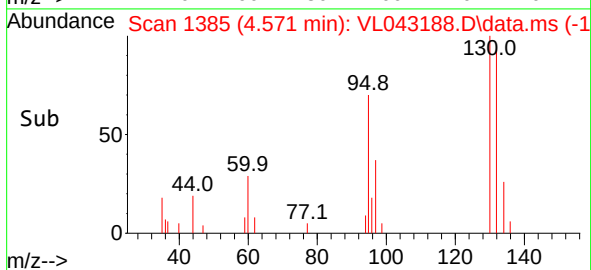
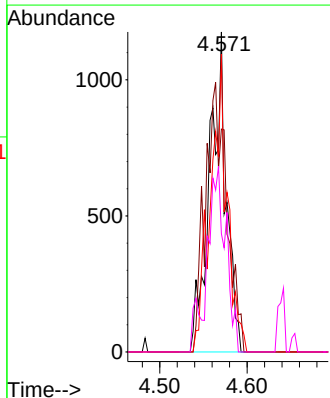
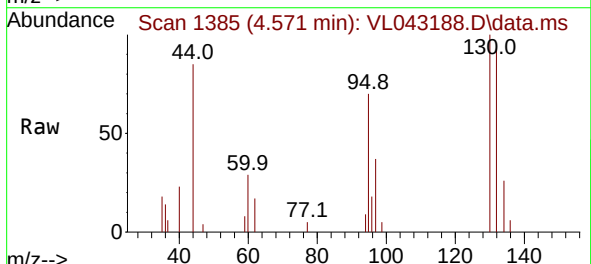
Manual Integrations
APPROVED

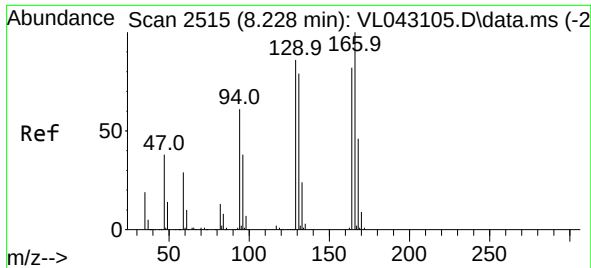
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 4.571 min Scan# 1385
Delta R.T. 0.016 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

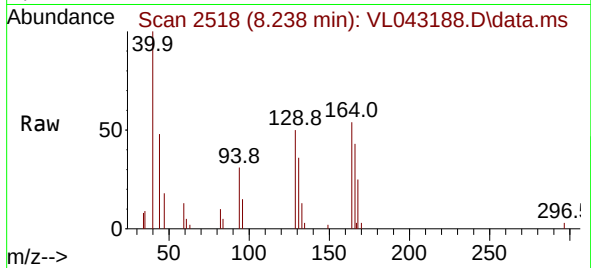
Tgt Ion:130 Resp: 1544
Ion Ratio Lower Upper
130 100
95 69.6 88.6 133.0#
132 93.1 73.4 110.0
97 37.0 57.8 86.6#





#52
Tetrachloroethene
Concen: 0.106 ppbv m
RT: 8.238 min Scan# 2133
Delta R.T. 0.010 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

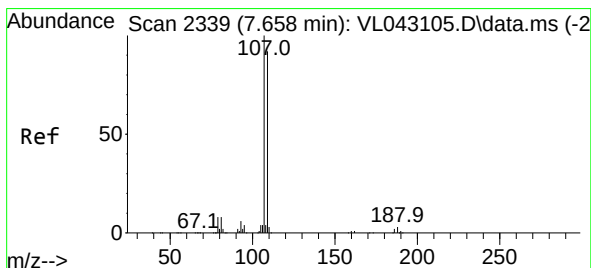
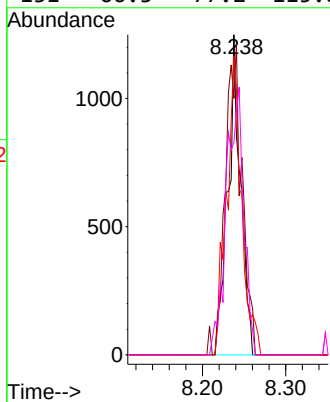
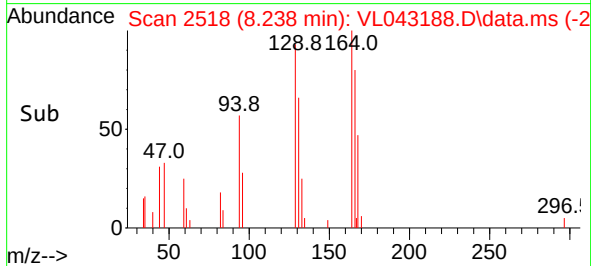
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2025



Tgt Ion:164 Resp: 1339
Ion Ratio Lower Upper
164 100
166 80.1 97.6 146.4
129 93.3 84.5 126.7
131 66.3 77.2 115.8#

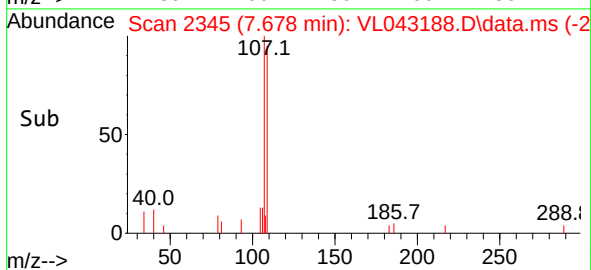
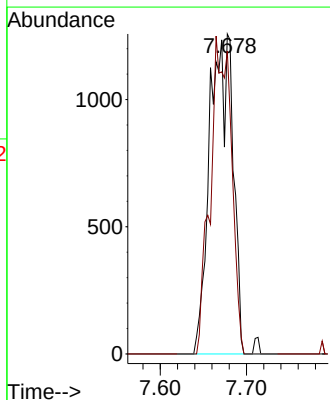
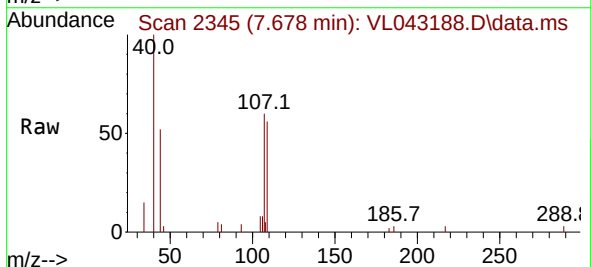
Manual Integrations
APPROVED

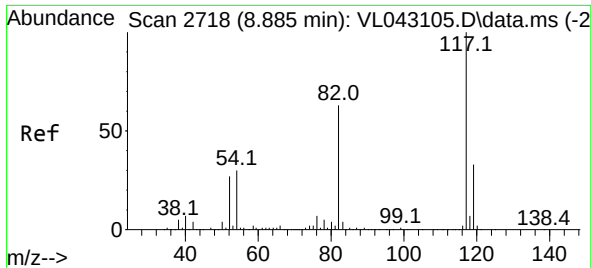
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#54
1,2-Dibromoethane
Concen: 0.111 ppbv m
RT: 7.678 min Scan# 2345
Delta R.T. 0.019 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

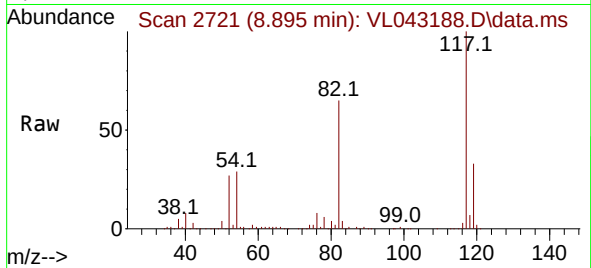
Tgt Ion:107 Resp: 2393
Ion Ratio Lower Upper
107 100
109 94.7 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16

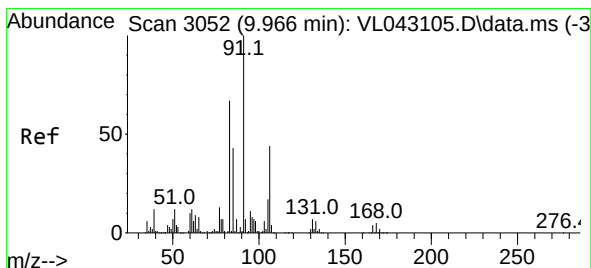
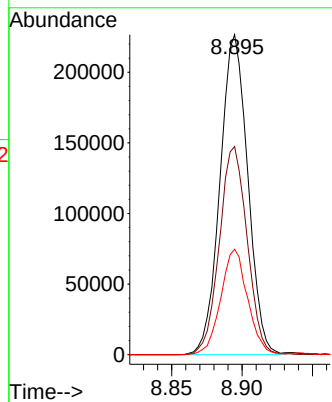
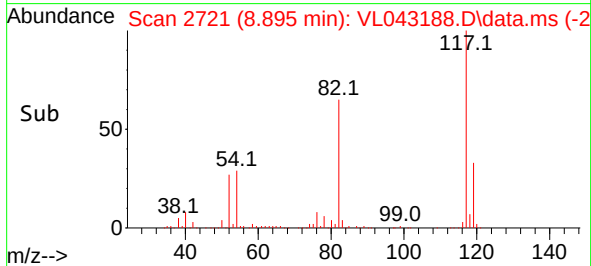
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



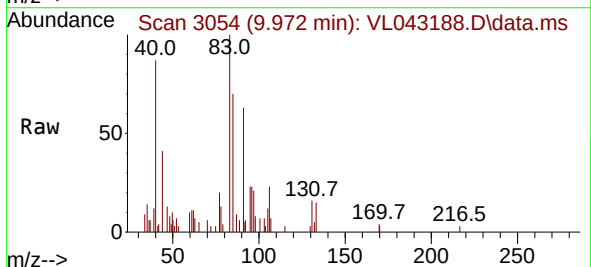
Tgt Ion: 117 Resp: 311024
Ion Ratio Lower Upper
117 100
82 65.2 53.8 80.8
119 32.4 25.4 38.0

Manual Integrations
APPROVED

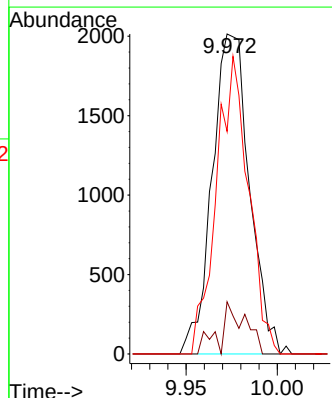
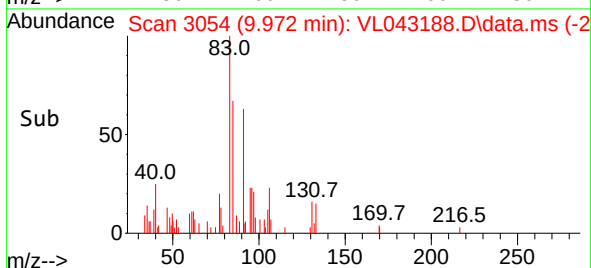
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

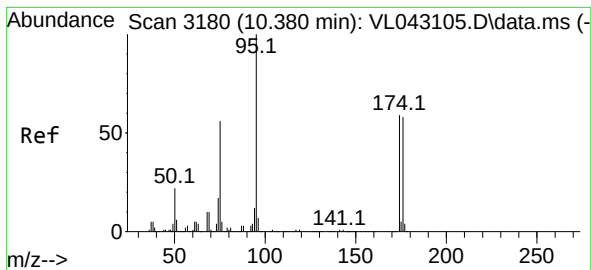


#63
1,1,2,2-Tetrachloroethane
Concen: 0.102 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VL043188.D
Acq: 11 Nov 2025 13:16



Tgt Ion: 83 Resp: 2871
Ion Ratio Lower Upper
83 100
131 11.2 4.8 14.3
85 80.4 32.0 96.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.344 ppbv

RT: 10.387 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL043188.D

Acq: 11 Nov 2025 13:16

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025

Tgt Ion: 95 Resp: 225899

Ion Ratio Lower Upper

95 100

174 64.0 48.3 72.5

175 4.6 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025

Supervised By :Mahesh Dadoda 11/13/2025

