

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042176.D
 Acq On : 27 Mar 2025 10:32
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:35:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	180740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	528028	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	481506	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	398069	10.067	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
5) Vinyl Chloride	1.580	62	1274	0.115	ppbv #	42
32) 1,1,1-Trichloroethane	3.366	97	4509m	0.106	ppbv	
35) Carbon Tetrachloride	3.768	117	4131m	0.102	ppbv	
38) Trichloroethene	4.551	130	2306m	0.106	ppbv	
52) Tetrachloroethene	8.225	164	1895m	0.091	ppbv	
54) 1,2-Dibromoethane	7.652	107	3033m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3852m	0.093	ppbv	
79) Naphthalene	13.513	128	7882	0.084	ppbv #	92

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

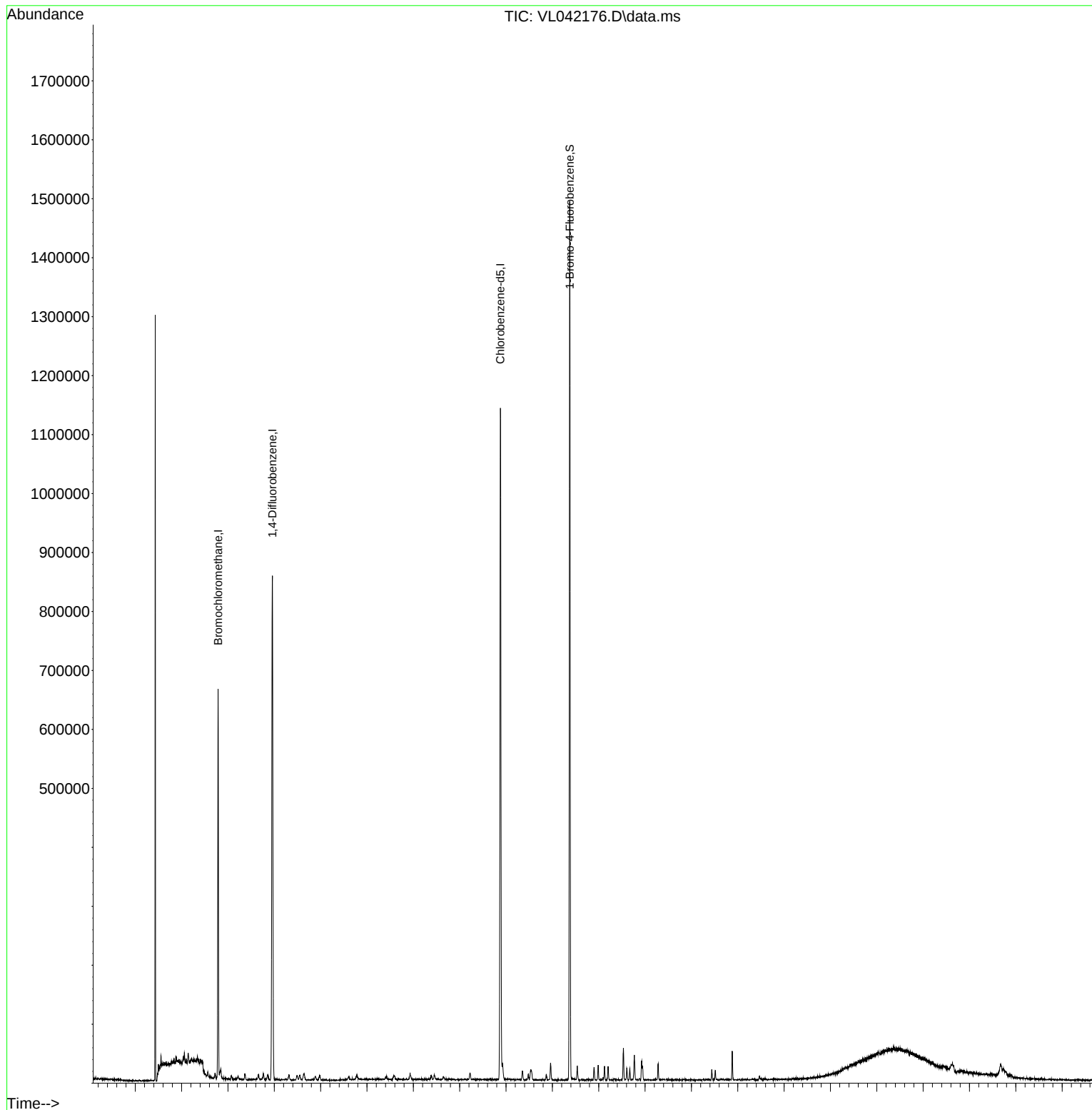
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

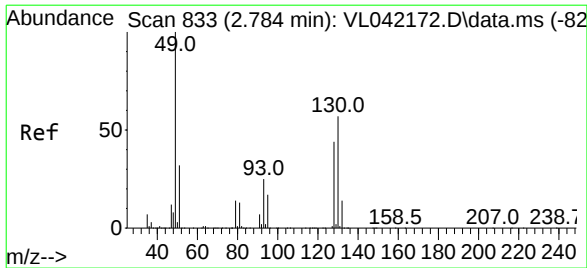
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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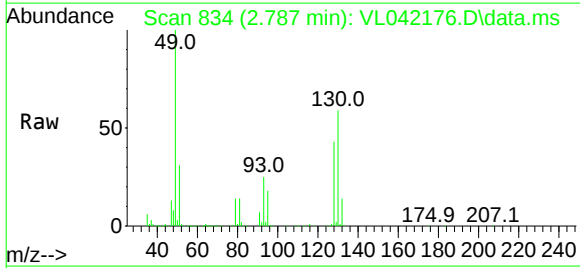
Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

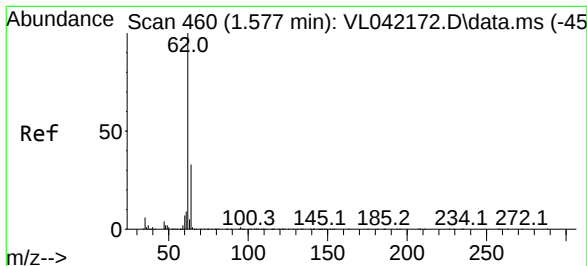
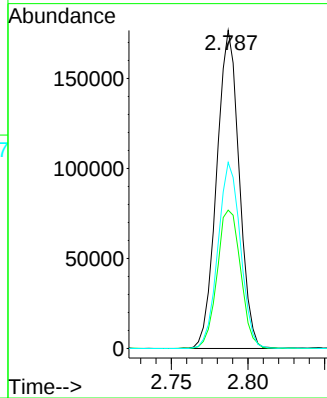
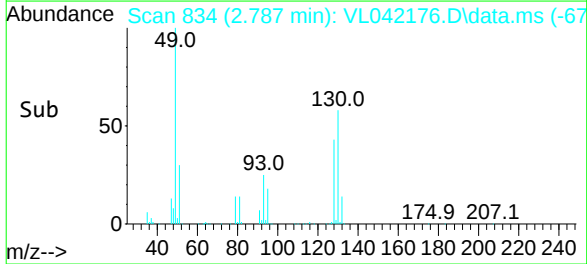
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 180740
Ion Ratio Lower Upper
49 100
128 45.6 22.9 68.5
130 58.5 28.8 86.4

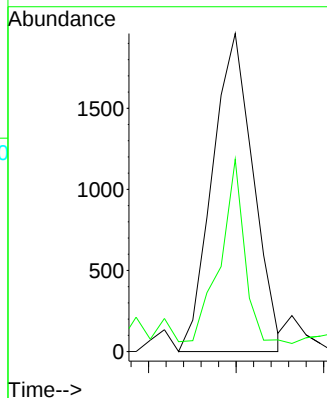
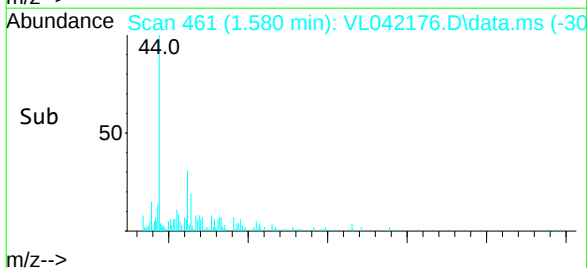
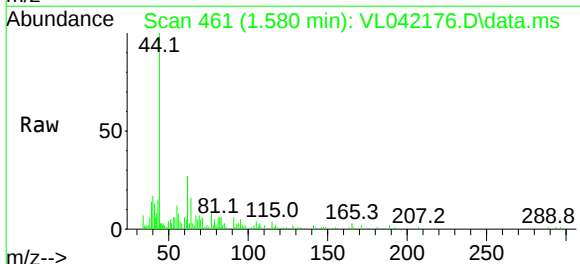
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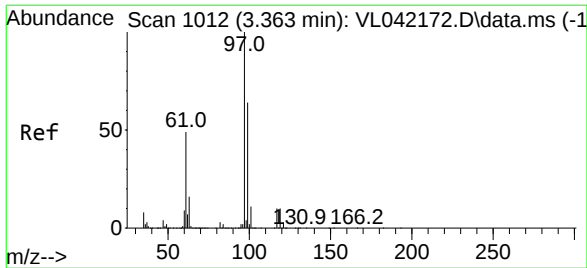
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

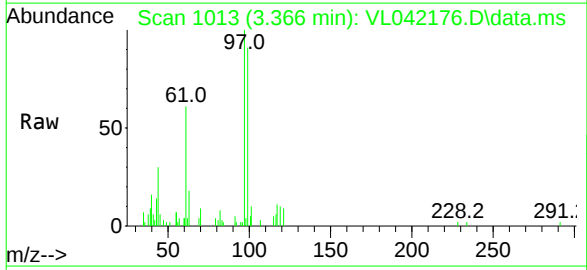
Tgt Ion: 62 Resp: 1274
Ion Ratio Lower Upper
62 100
64 66.4 26.6 40.0#





#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv m
RT: 3.366 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

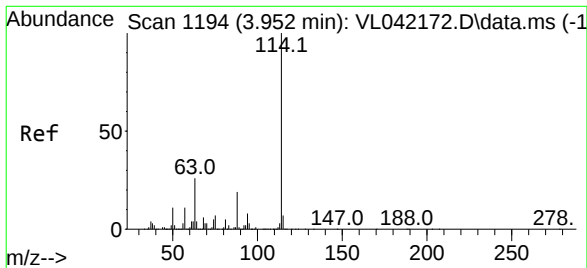
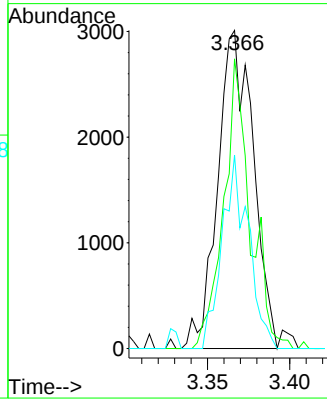
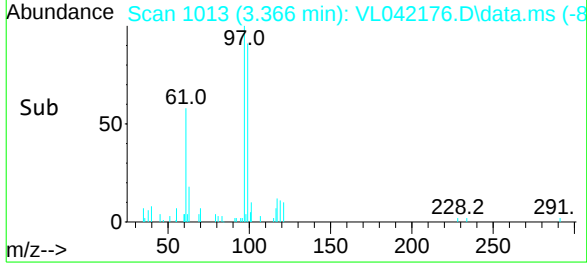
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 4509
Ion Ratio Lower Upper
97 100
99 68.6 51.5 77.3
61 45.4 38.7 58.1

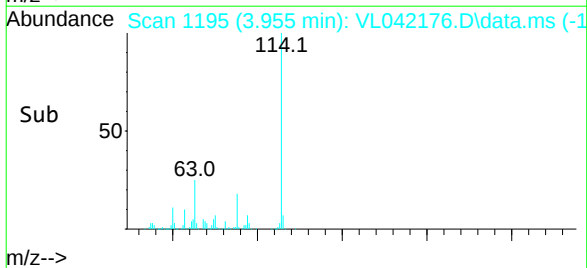
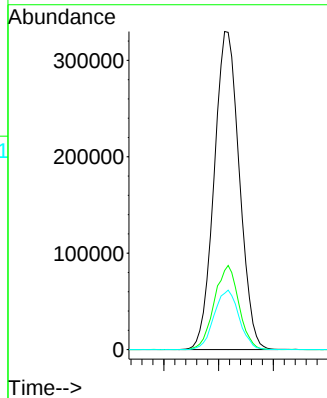
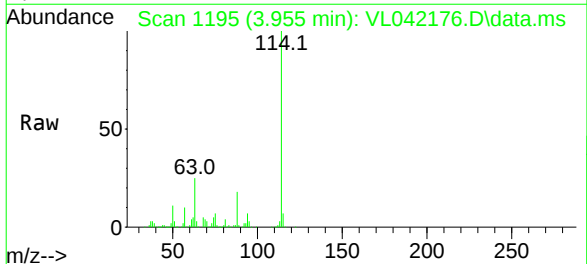
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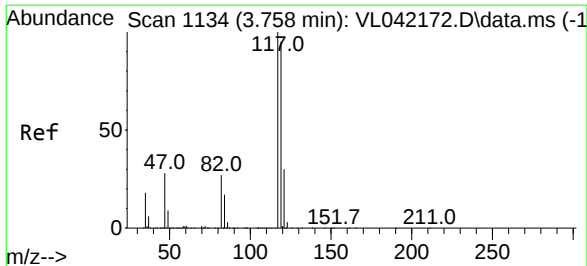
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

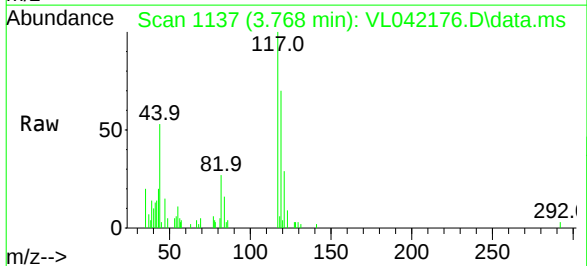
Tgt Ion:114 Resp: 528028
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.5 15.0 22.4





#35
Carbon Tetrachloride
Concen: 0.102 ppbv m
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

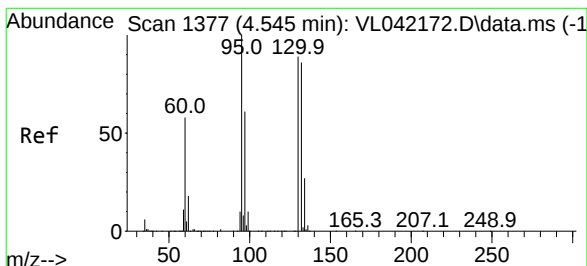
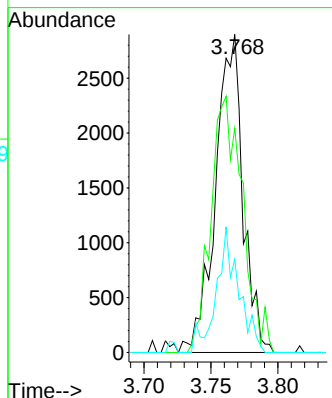
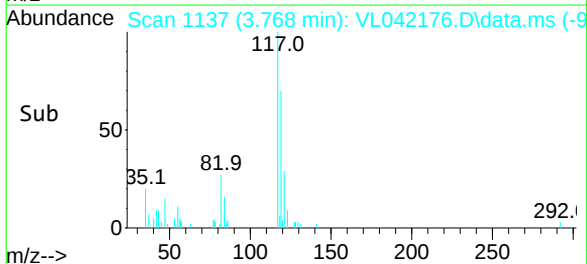
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.1



Tgt Ion:117 Resp: 4131
Ion Ratio Lower Upper
117 100
119 70.5 76.2 114.2#
121 29.4 24.2 36.4

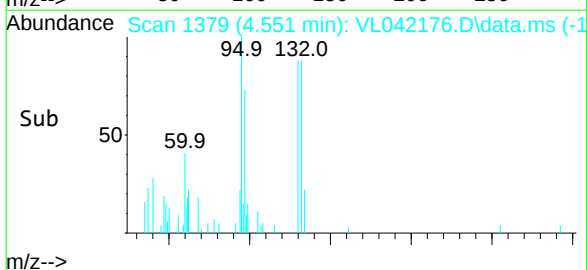
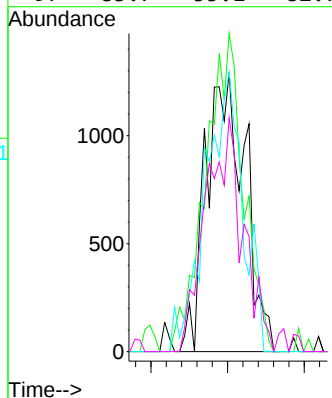
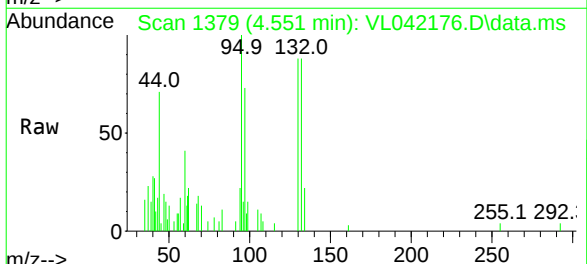
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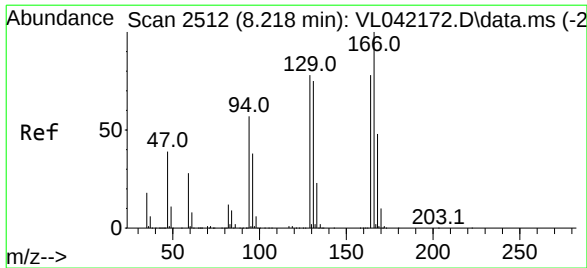
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

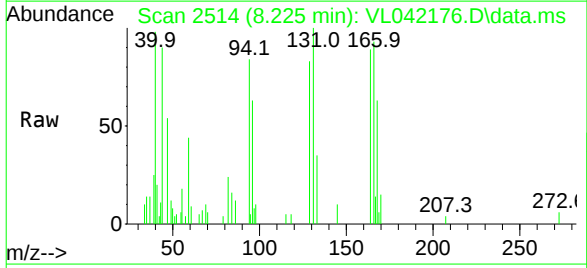
Tgt Ion:130 Resp: 2306
Ion Ratio Lower Upper
130 100
95 114.0 89.8 134.8
132 100.2 77.4 116.2
97 83.7 55.1 82.7#





#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 8.225 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

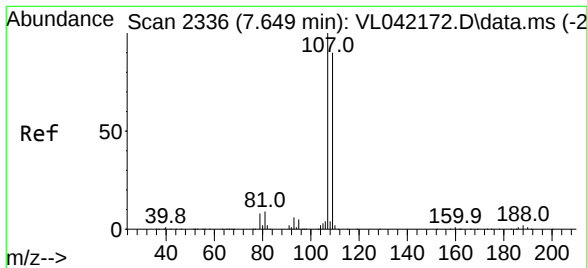
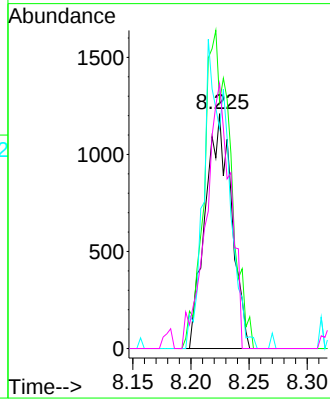
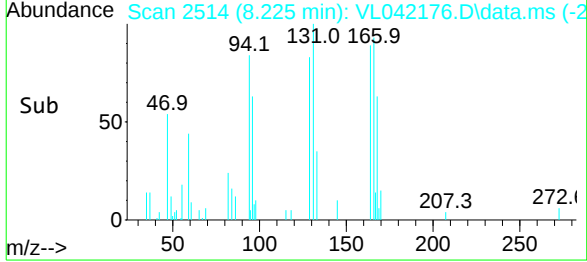
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



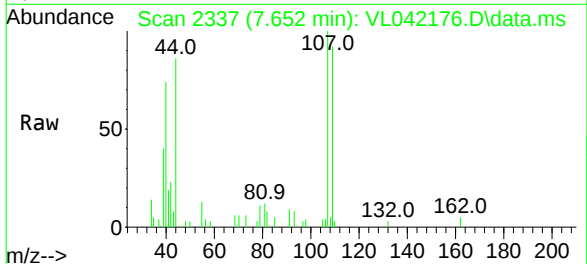
Tgt Ion:164 Resp: 1895
Ion Ratio Lower Upper
164 100
166 105.1 102.5 153.7
129 93.7 79.8 119.8
131 112.8 76.6 114.8

Manual Integrations
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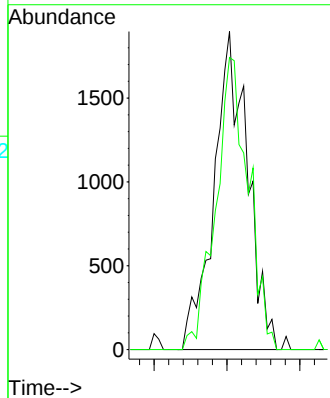
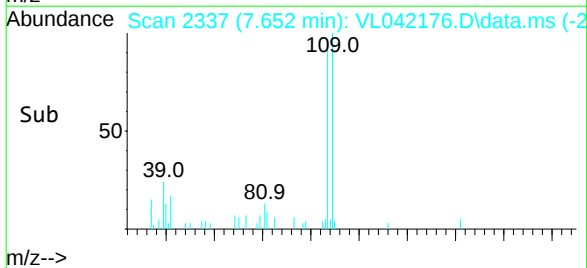
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

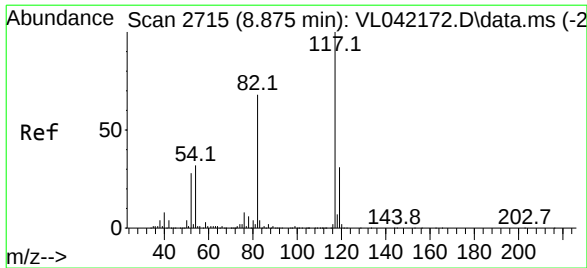


#54
1,2-Dibromoethane
Concen: 0.108 ppbv m
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32



Tgt Ion:107 Resp: 3033
Ion Ratio Lower Upper
107 100
109 91.8 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2715

Delta R.T. 0.003 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Instrument :

MSVOA_L

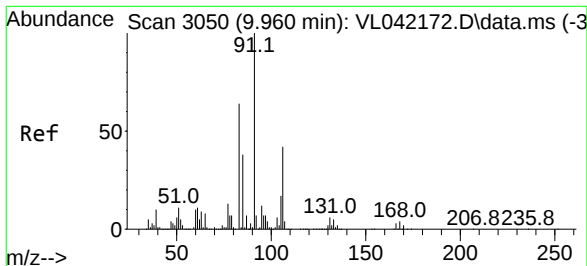
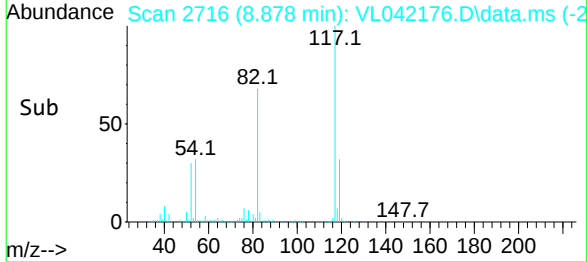
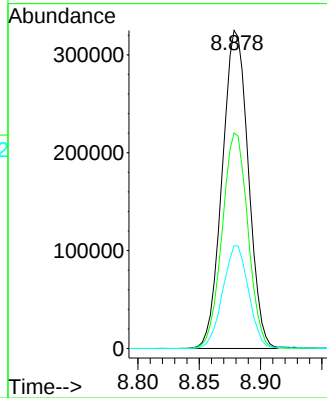
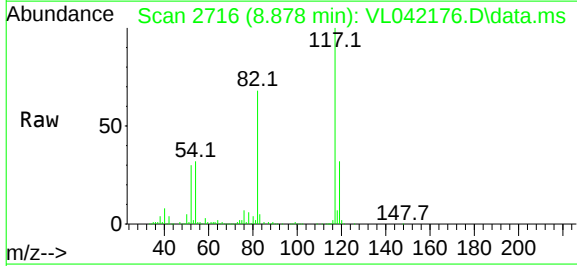
ClientSampleId :

VSTDIC0.1

Tgt Ion:	117	Resp:	481506
Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	32.3	25.5	38.3

Manual Integrations
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Supervised By :Mahesh Dadoda 04/03/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.093 ppbv m

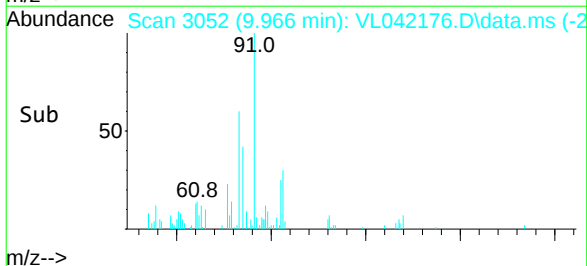
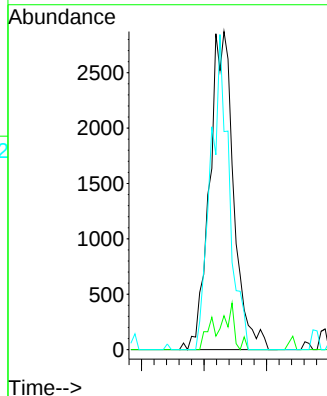
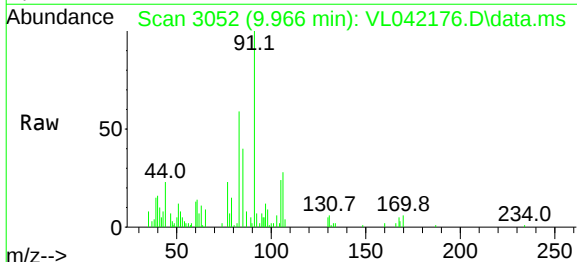
RT: 9.966 min Scan# 3052

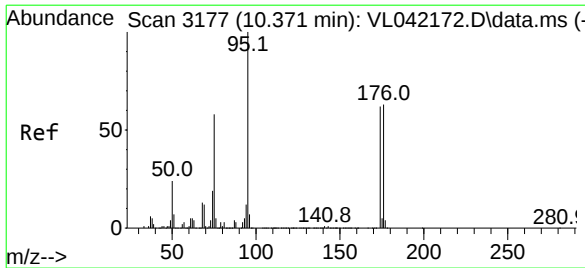
Delta R.T. 0.006 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Tgt Ion:	83	Resp:	3852
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.5	97.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.067 ppbv

RT: 10.374 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Instrument :

MSVOA_L

ClientSampleId :

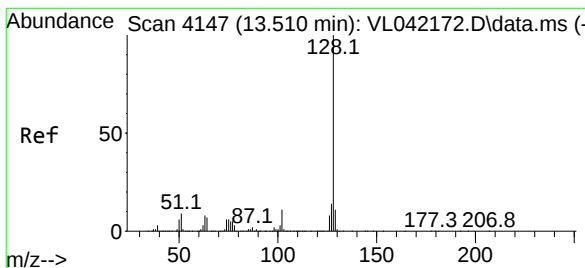
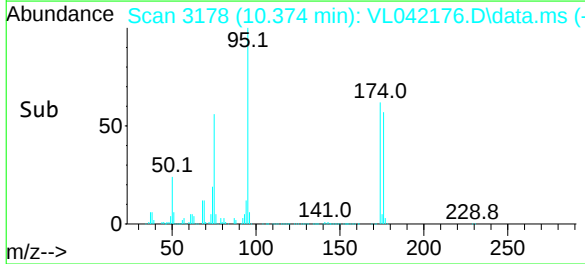
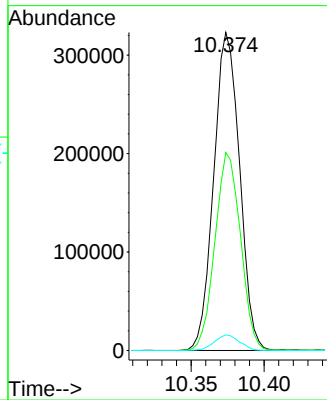
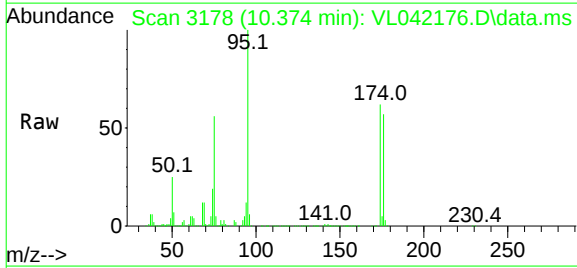
VSTDIC0.1

Tgt Ion:	95	Resp:	398069
Ion	Ratio	Lower	Upper
95	100		
174	61.5	50.6	76.0
175	4.8	3.8	5.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#79

Naphthalene

Concen: 0.084 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Tgt Ion:	128	Resp:	7882
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.8	16.2#
129	8.1	9.0	13.4#

