

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042045.D
 Acq On : 25 Feb 2025 11:03
 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 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 12:33:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	161406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	414875	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	363831	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	276484	9.213	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.100%
Target Compounds						
5) Vinyl Chloride	1.586	62	543	0.042	ppbv #	88
32) 1,1,1-Trichloroethane	3.386	97	3026	0.064	ppbv #	86
35) Carbon Tetrachloride	3.787	117	2923m	0.073	ppbv	
38) Trichloroethene	4.577	130	1915m	0.094	ppbv	
52) Tetrachloroethene	8.254	164	1552m	0.089	ppbv	
54) 1,2-Dibromoethane	7.678	107	2335m	0.087	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.982	83	3549m	0.087	ppbv	
79) Naphthalene	13.529	128	3058	0.045	ppbv #	91

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

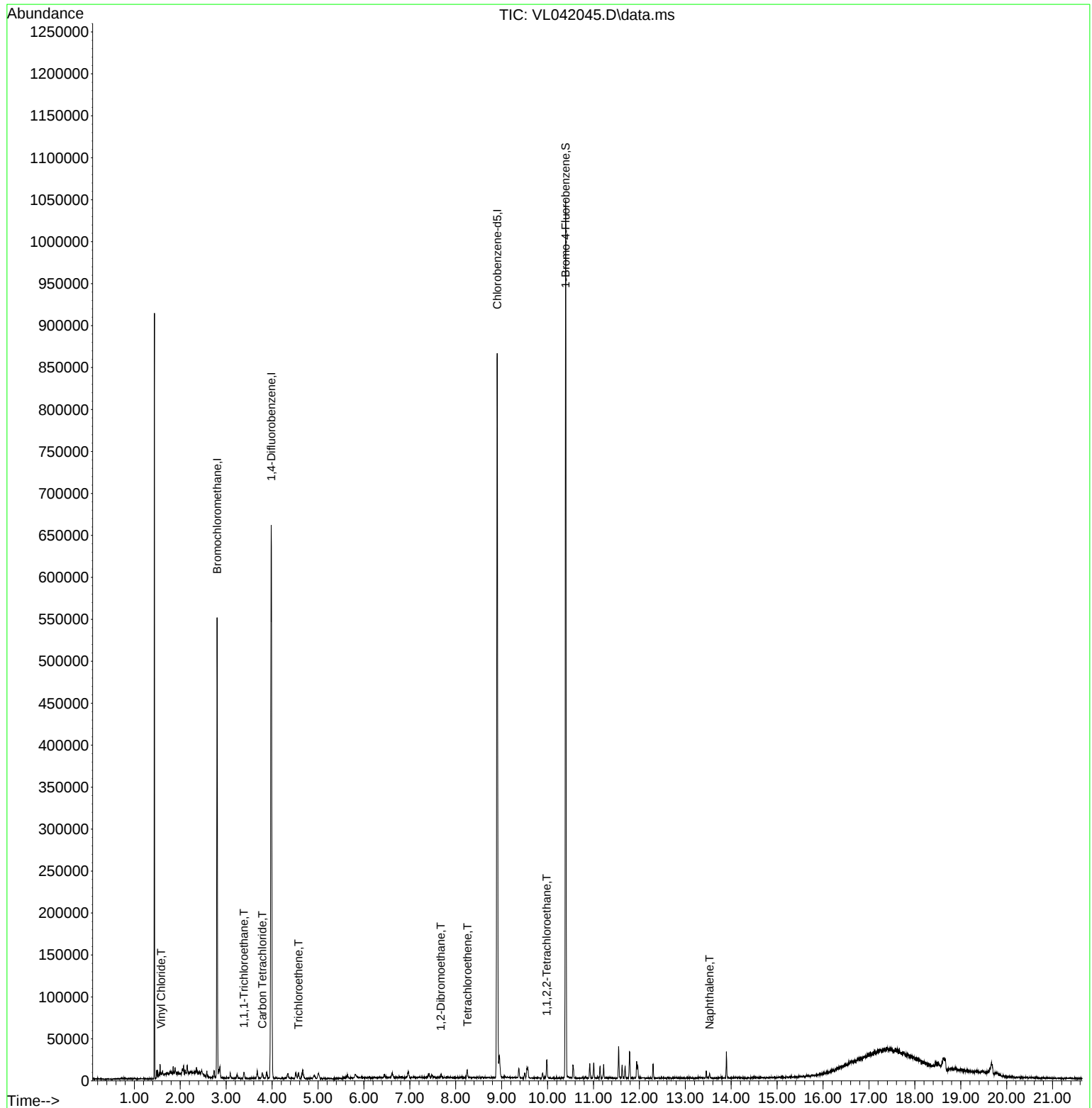
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

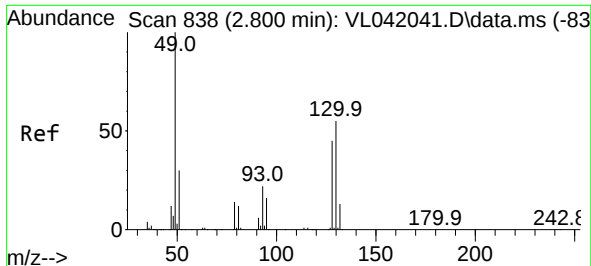
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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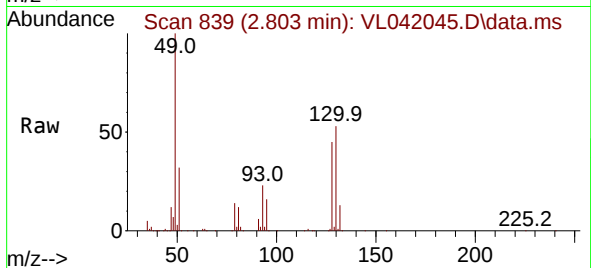
Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 838
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

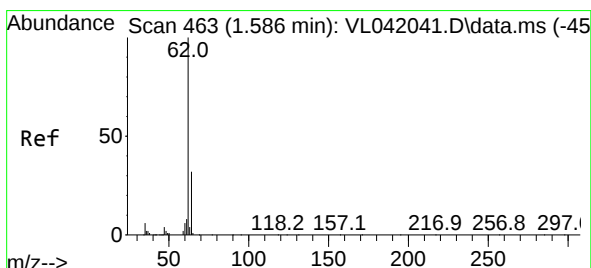
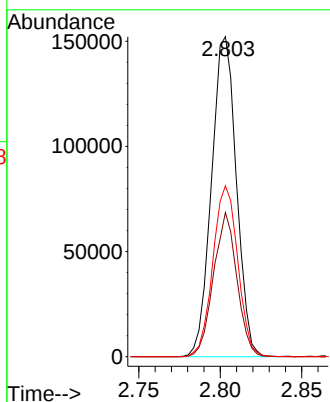
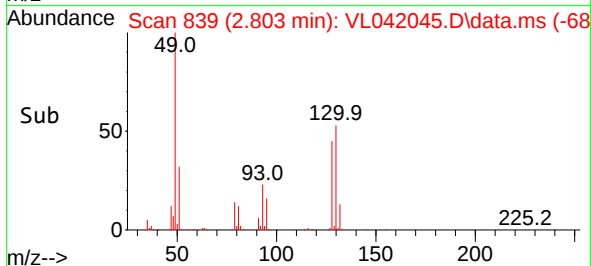
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 161400
Ion Ratio Lower Upper
49 100
128 42.3 21.6 64.8
130 53.5 27.8 83.4

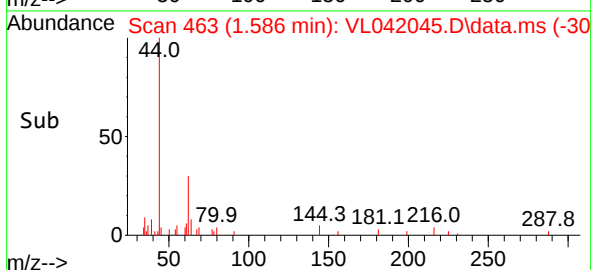
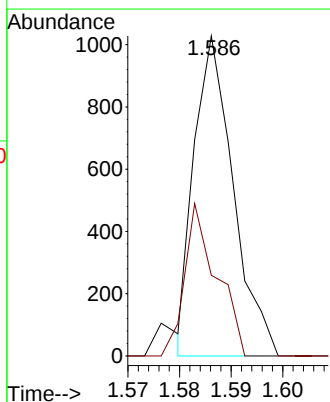
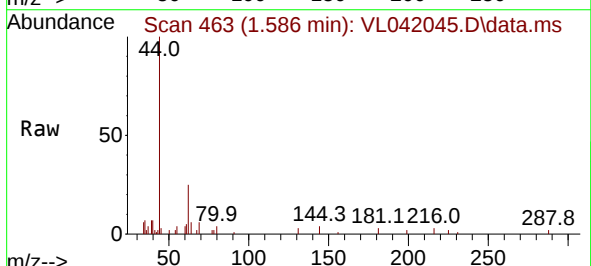
Manual Integrations
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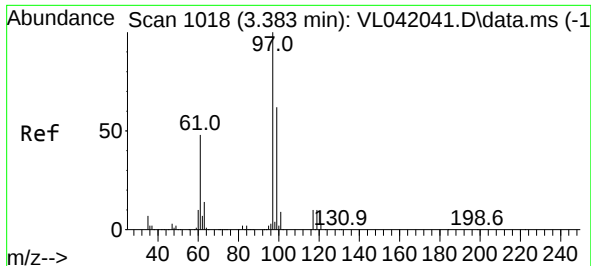
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 1.586 min Scan# 463
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

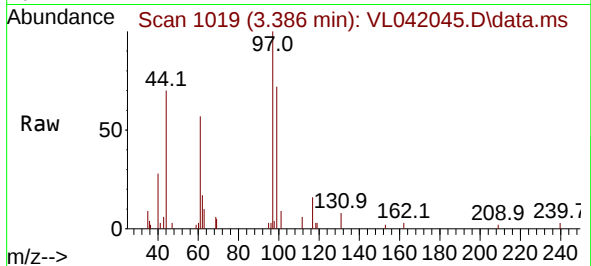
Tgt Ion: 62 Resp: 543
Ion Ratio Lower Upper
62 100
64 25.2 25.3 37.9#





#32
1,1,1-Trichloroethane
Concen: 0.064 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

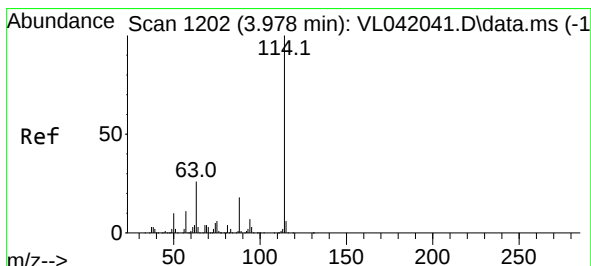
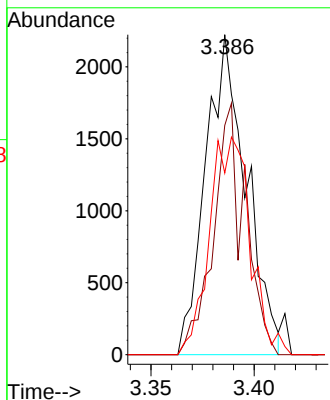
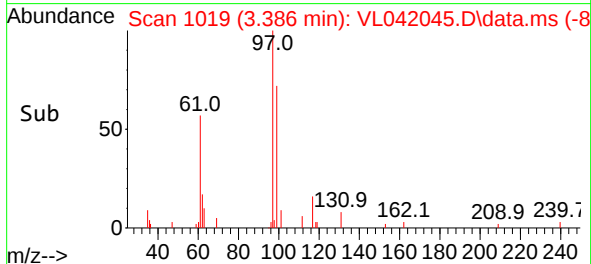
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



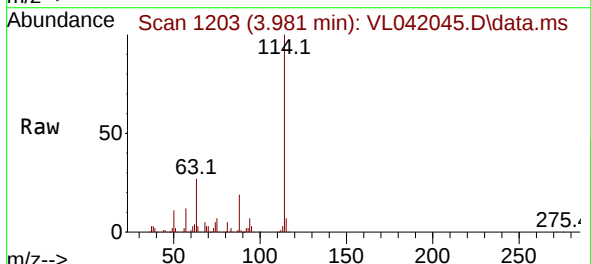
Tgt Ion: 97 Resp: 3020
Ion Ratio Lower Upper
97 100
99 61.1 49.8 74.6
61 68.5 38.9 58.3

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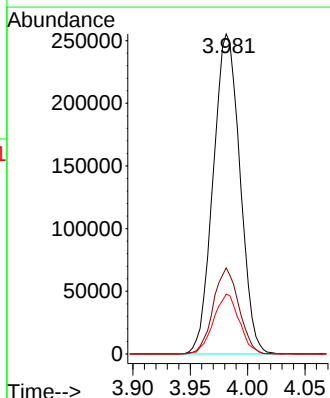
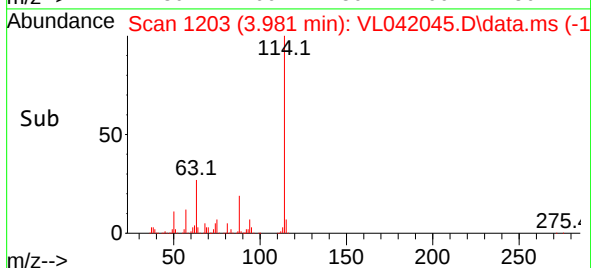
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

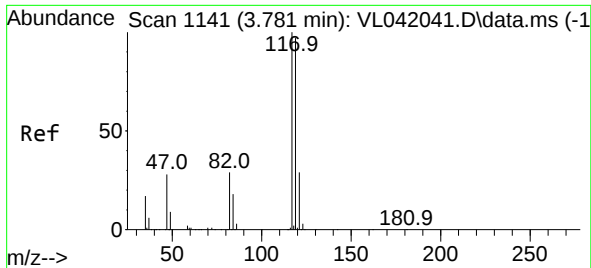


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03



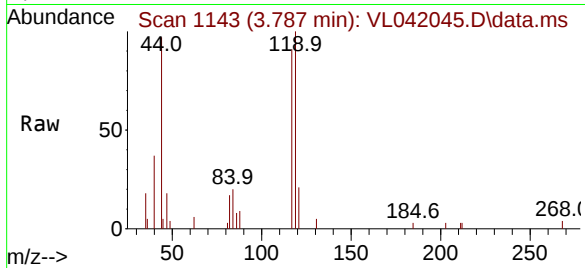
Tgt Ion:114 Resp: 414875
Ion Ratio Lower Upper
114 100
63 25.7 20.1 30.1
88 18.0 14.3 21.5





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.787 min Scan# 1141
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

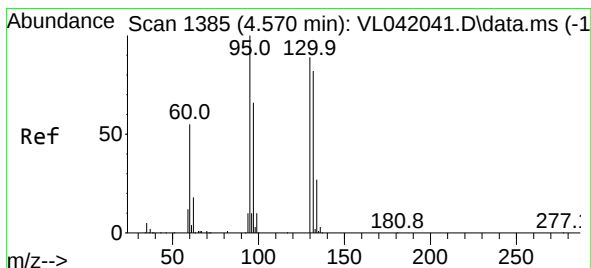
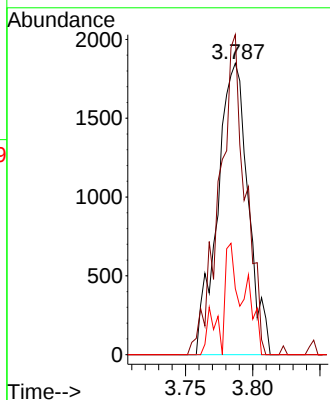
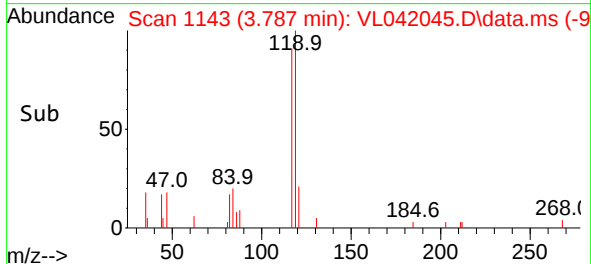
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



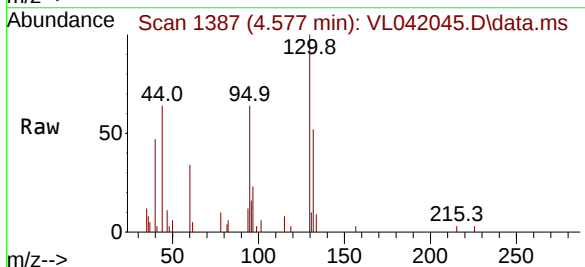
Tgt Ion:117 Resp: 292.3
Ion Ratio Lower Upper
117 100
119 109.8 77.8 116.8
121 22.7 23.4 35.0

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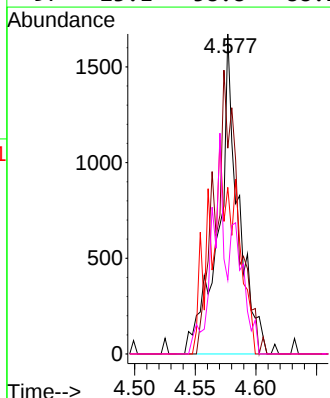
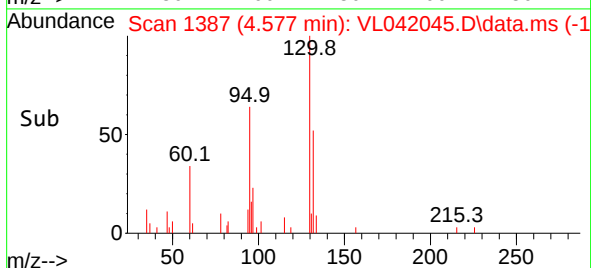
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

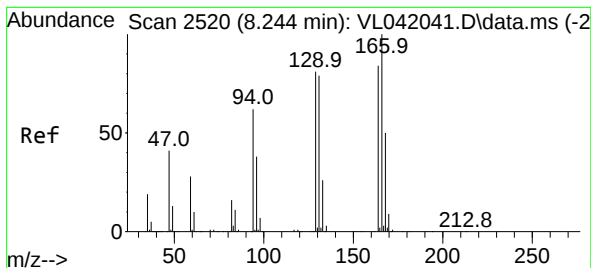


#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03



Tgt Ion:130 Resp: 1915
Ion Ratio Lower Upper
130 100
95 64.3 89.5 134.3#
132 52.0 73.8 110.6#
97 23.1 58.8 88.2#





#52

Tetrachloroethene

Concen: 0.089 ppbv m

RT: 8.254 min Scan# 2520

Delta R.T. 0.010 min

Lab File: VL042045.D

Acq: 25 Feb 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:164 Resp: 155

Ion Ratio Lower Upper

164 100

166 92.3 95.7 143.5

129 63.9 77.1 115.7

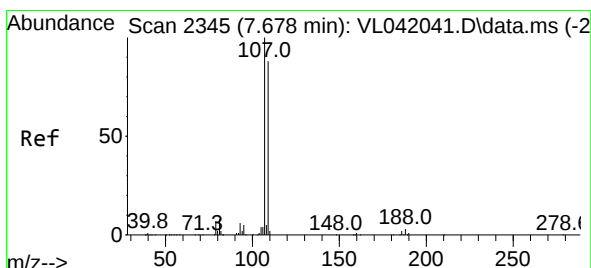
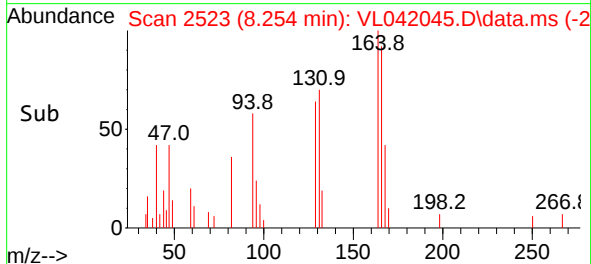
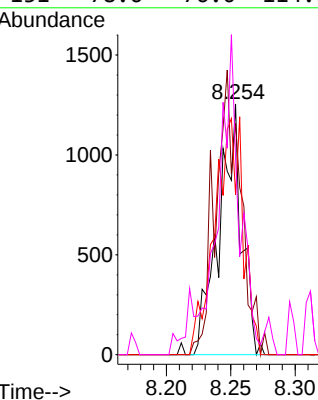
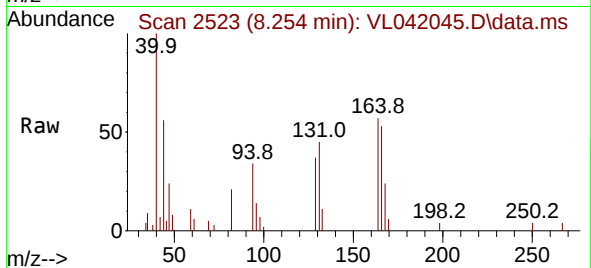
131 78.6 76.0 114.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#54

1,2-Dibromoethane

Concen: 0.087 ppbv m

RT: 7.678 min Scan# 2345

Delta R.T. -0.000 min

Lab File: VL042045.D

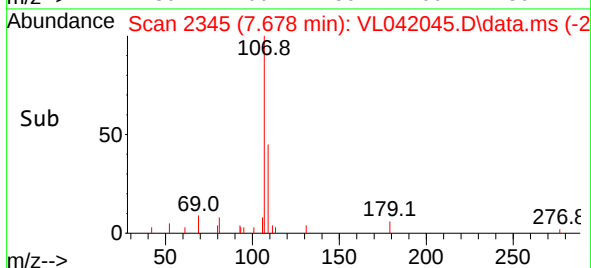
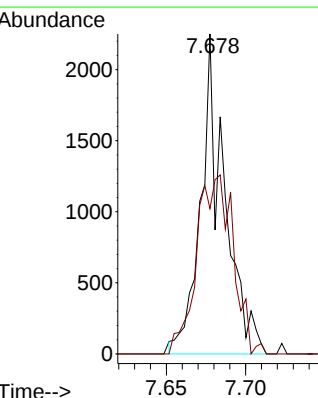
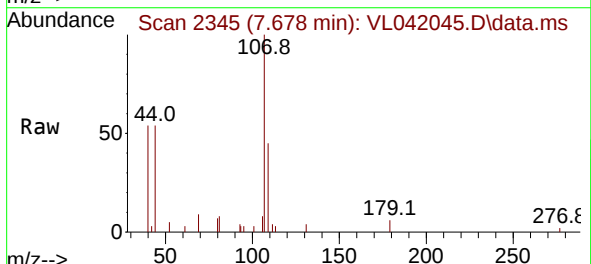
Acq: 25 Feb 2025 11:03

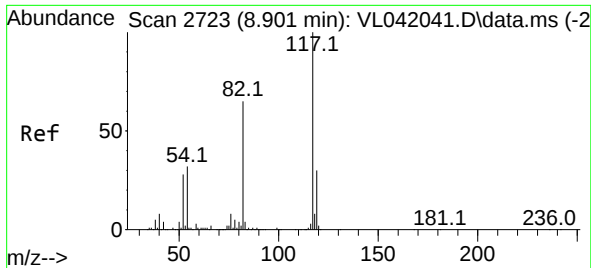
Tgt Ion:107 Resp: 2335

Ion Ratio Lower Upper

107 100

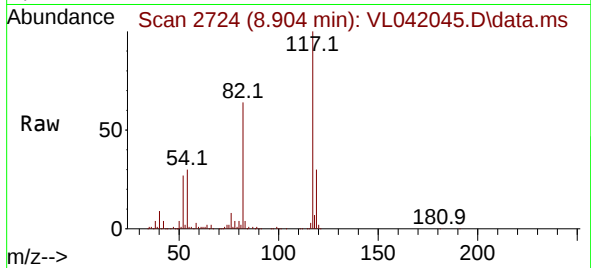
109 45.4 70.2 105.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

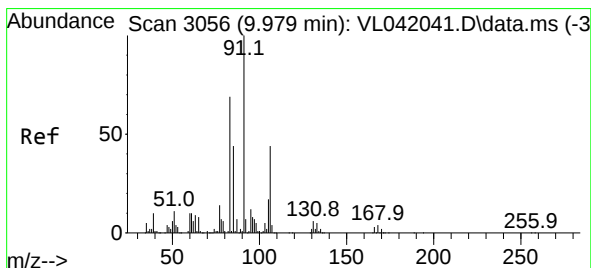
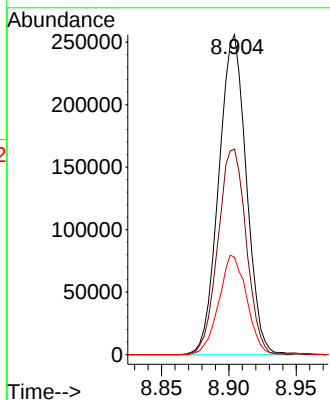
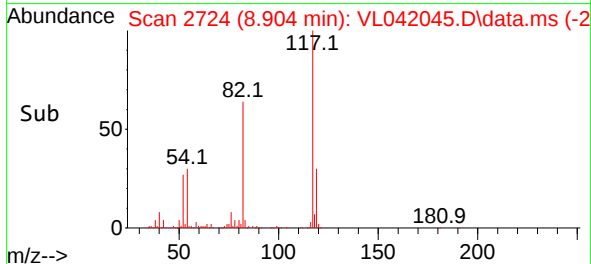
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 36383
Ion Ratio Lower Upper
117 100
82 66.3 55.0 82.6
119 31.9 25.9 38.9

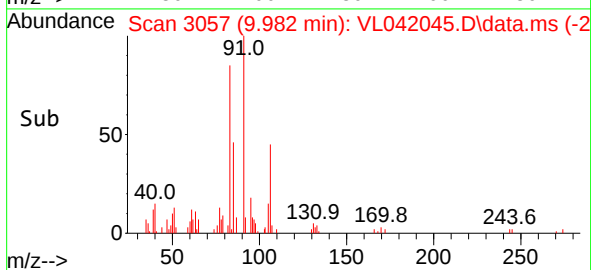
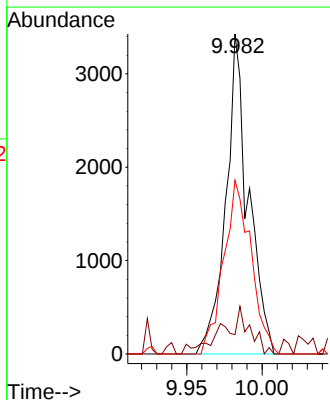
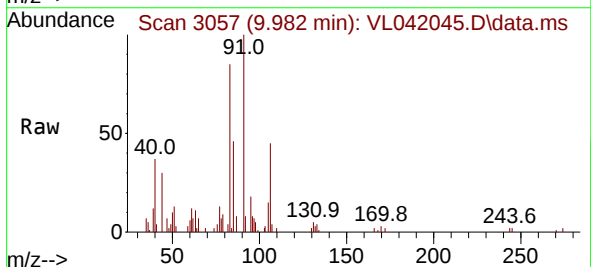
Manual Integrations
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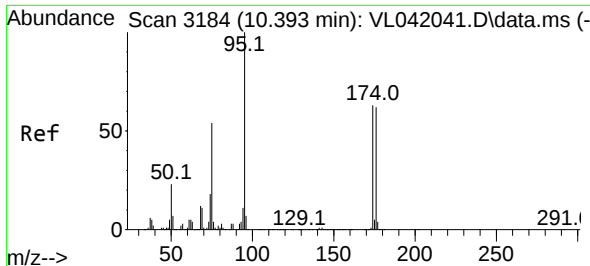
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.087 ppbv m
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

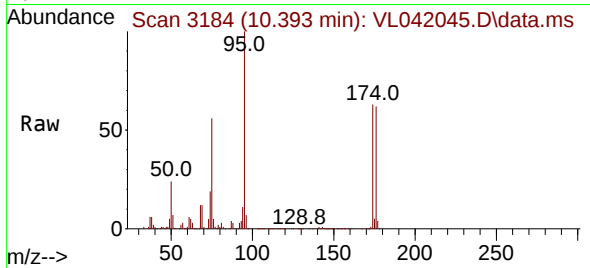
Tgt Ion: 83 Resp: 3549
Ion Ratio Lower Upper
83 100
131 23.0 4.5 13.7#
85 66.0 32.1 96.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.213 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03

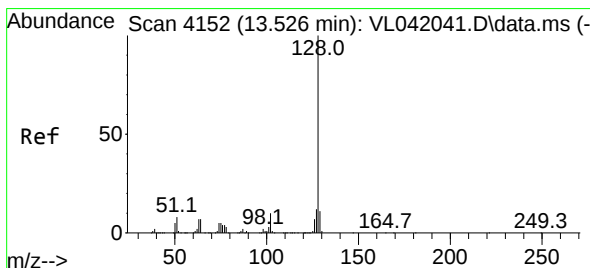
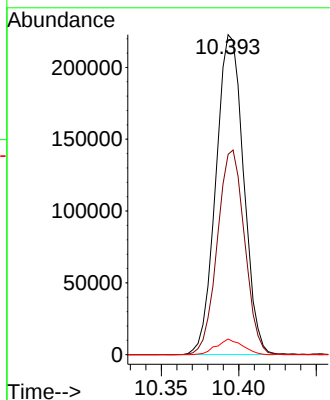
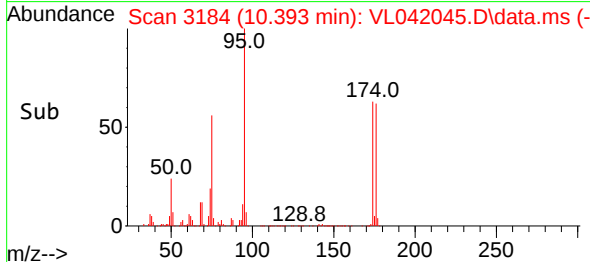
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



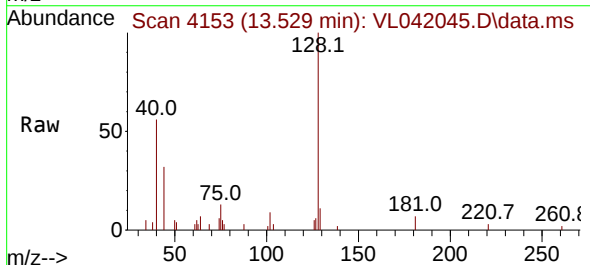
Tgt Ion: 95 Resp: 276484
Ion Ratio Lower Upper
95 100
174 63.2 51.8 77.6
175 4.6 3.9 5.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL042045.D
Acq: 25 Feb 2025 11:03



Tgt Ion:128 Resp: 3058
Ion Ratio Lower Upper
128 100
127 5.9 9.8 14.6#
129 11.1 8.6 12.8

