

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041842.D
 Acq On : 07 Jan 2025 11:22
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:22:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	88722	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	202136	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	168288	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	139535	9.681	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.586	62	711	0.118	ppbv #	84
32) 1,1,1-Trichloroethane	3.382	97	1574	0.098	ppbv #	21
35) Carbon Tetrachloride	3.784	117	1607	0.105	ppbv #	71
38) Trichloroethene	4.570	130	913m	0.121	ppbv	
52) Tetrachloroethene	8.244	164	588m	0.103	ppbv	
54) 1,2-Dibromoethane	7.681	107	929m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.985	83	1698	0.098	ppbv #	94
79) Naphthalene	13.529	128	1063	0.060	ppbv #	86

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

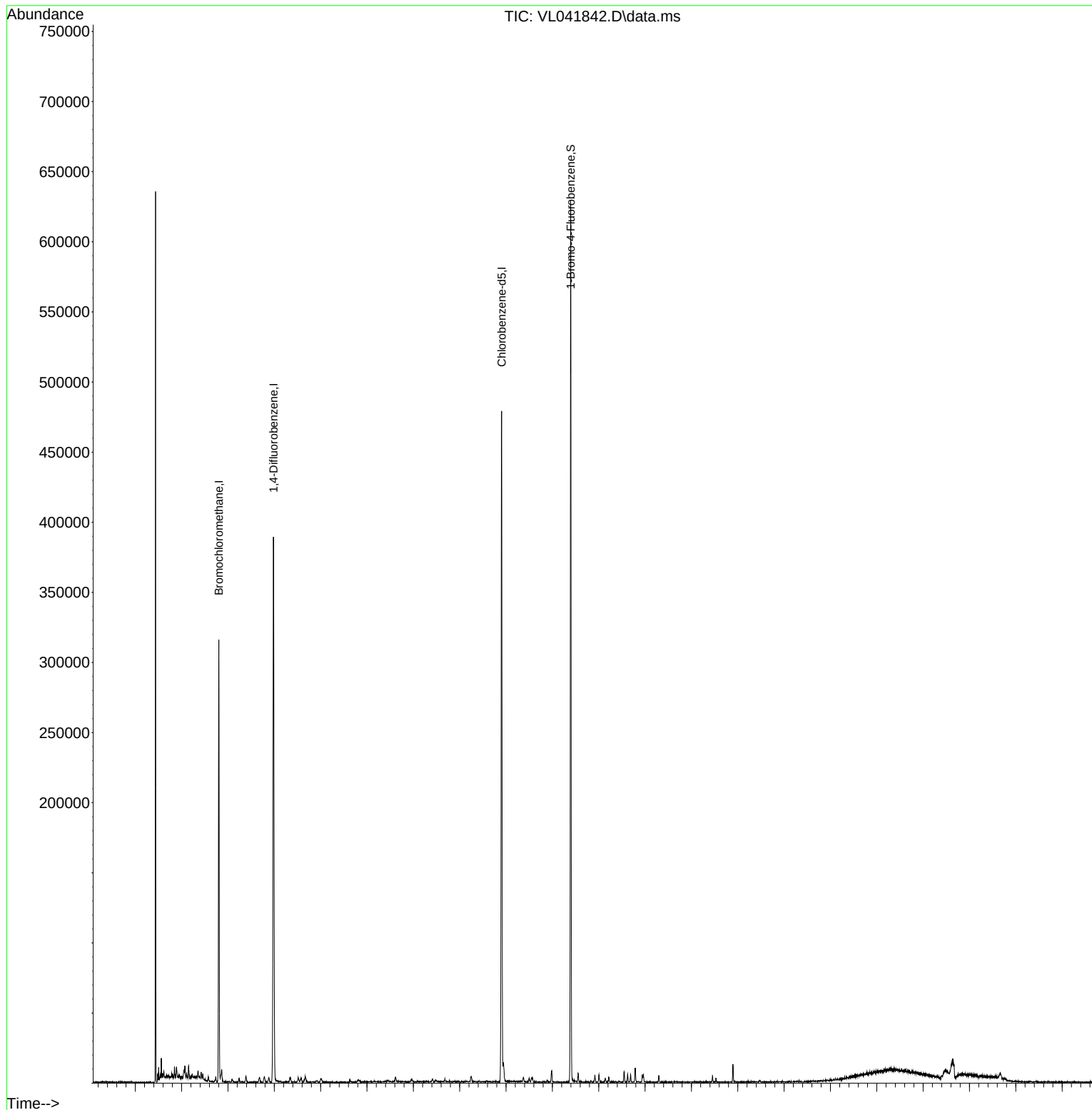
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041842.D
Acq On : 07 Jan 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

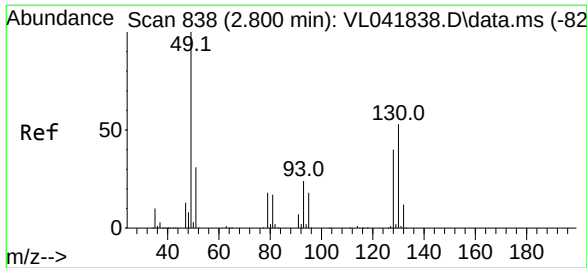
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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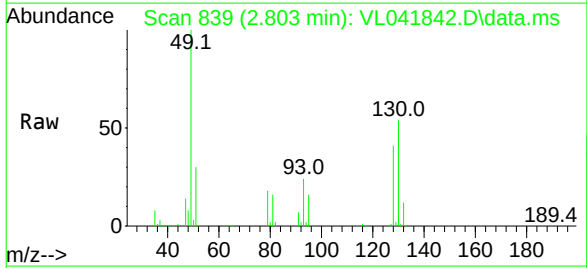
Quant Time: Jan 08 01:22:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 838
Delta R.T. 0.003 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

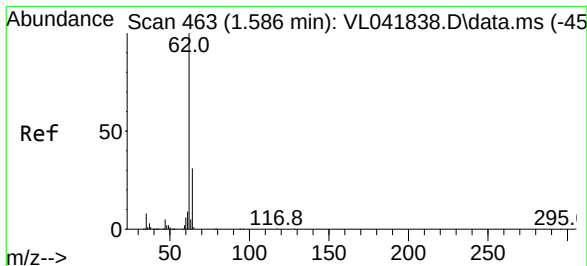
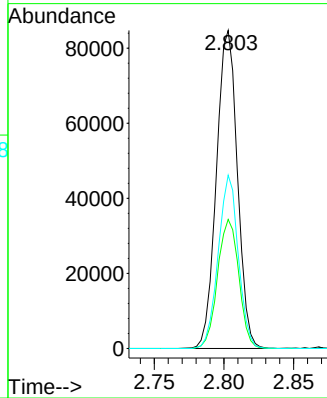
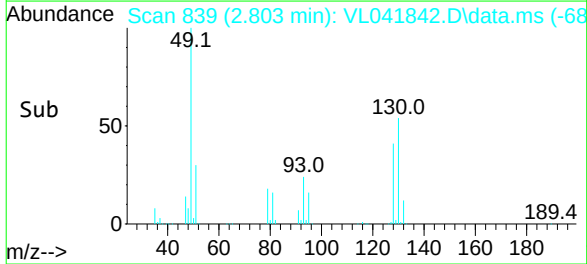
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 88722
Ion Ratio Lower Upper
49 100
128 41.0 19.7 59.1
130 52.1 26.4 79.2

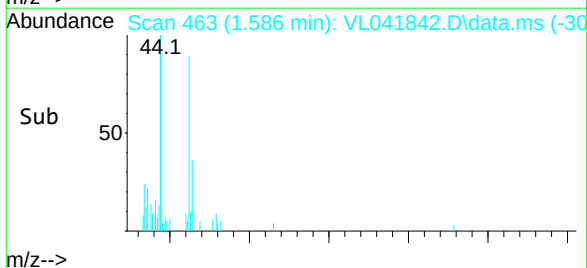
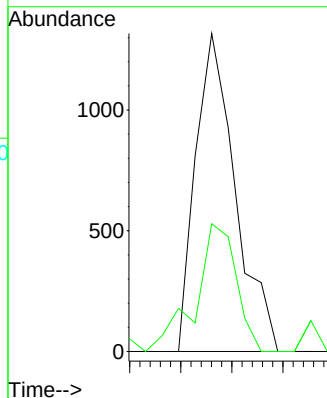
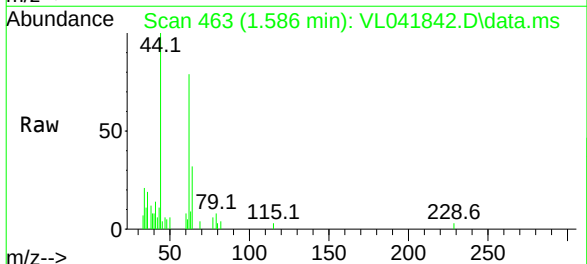
Manual Integrations
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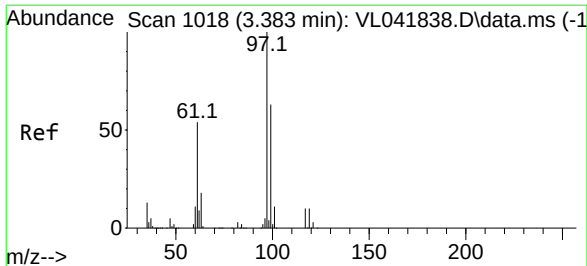
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#5
Vinyl Chloride
Concen: 0.118 ppbv
RT: 1.586 min Scan# 463
Delta R.T. -0.000 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

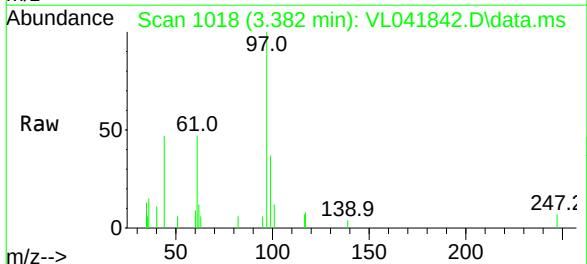
Tgt Ion: 62 Resp: 711
Ion Ratio Lower Upper
62 100
64 40.2 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.098 ppbv
RT: 3.382 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

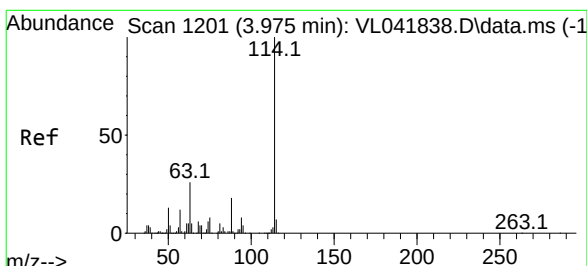
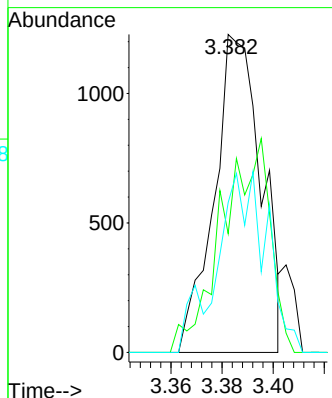
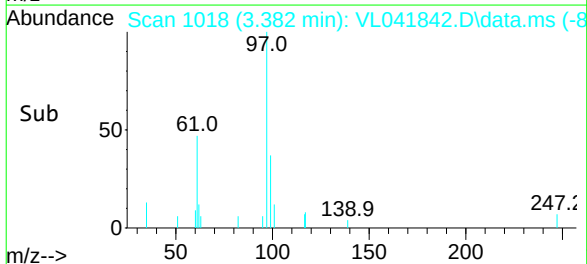
Instrument : MSVOA_1
ClientSampleId : VSTDIC0.1



Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0
61	0.0	45.0	67.6

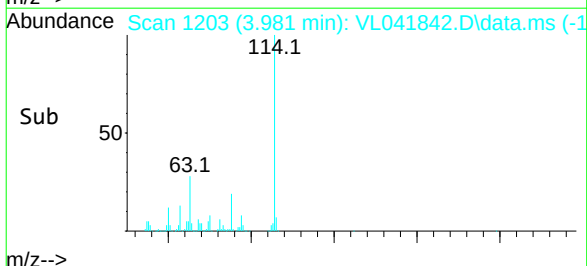
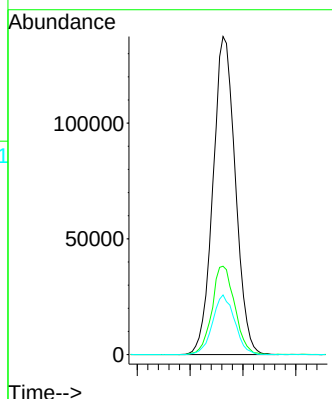
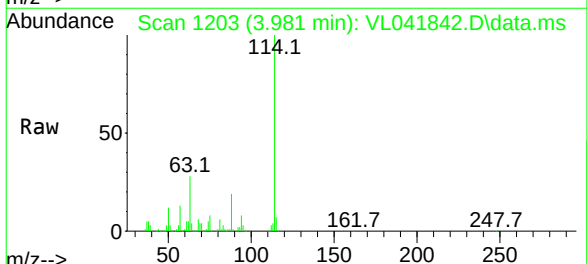
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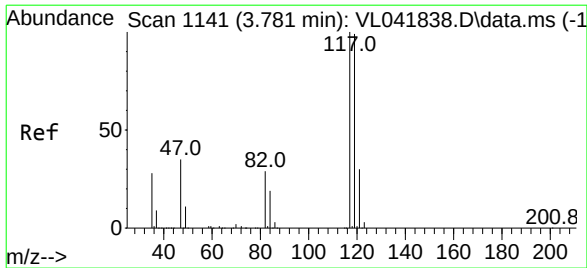
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.006 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.3	33.5
88	18.5	14.9	22.3





#35

Carbon Tetrachloride

Concen: 0.105 ppbv

RT: 3.784 min Scan# 1141

Delta R.T. 0.003 min

Lab File: VL041842.D

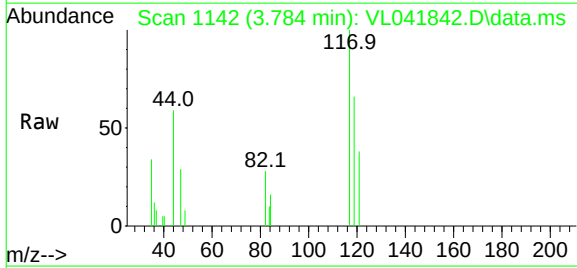
Acq: 07 Jan 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

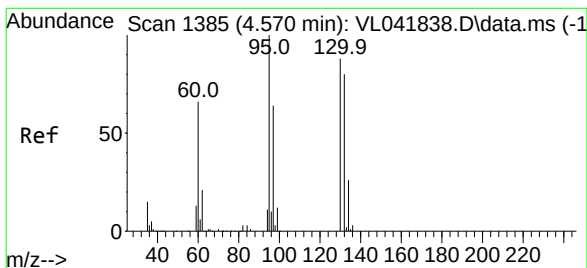
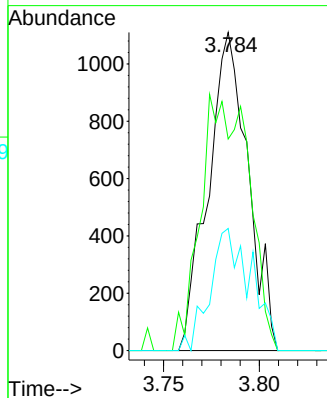
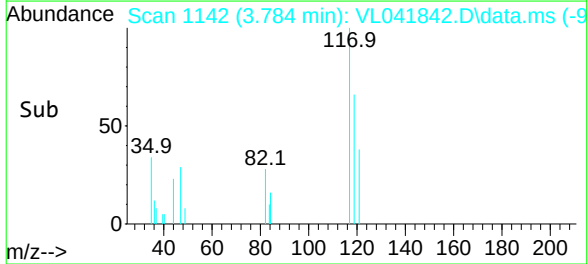


Tgt Ion	Ratio	Lower	Upper
117	100		
119	66.5	79.1	118.7#
121	38.4	24.2	36.2#

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Supervised By :Mahesh Dadoda 01/09/2025



#38

Trichloroethene

Concen: 0.121 ppbv m

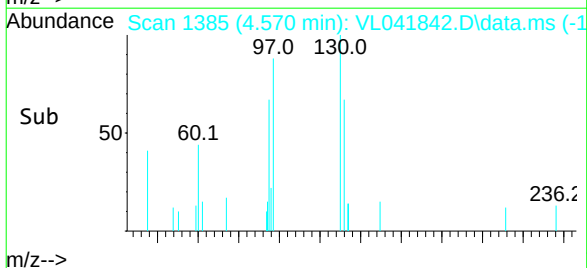
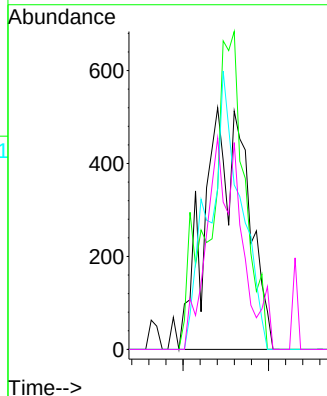
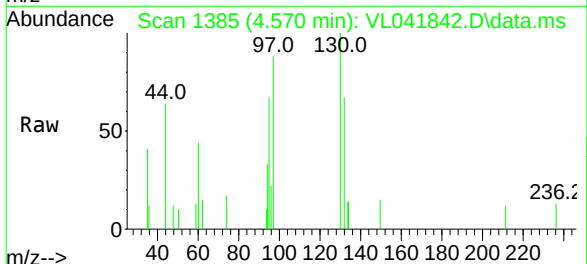
RT: 4.570 min Scan# 1385

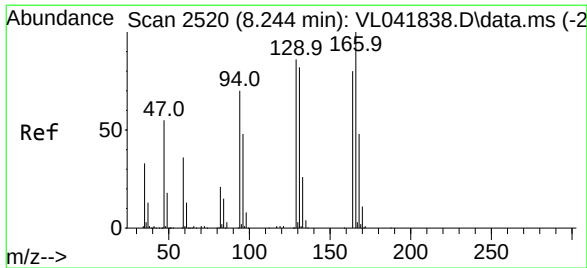
Delta R.T. -0.000 min

Lab File: VL041842.D

Acq: 07 Jan 2025 11:22

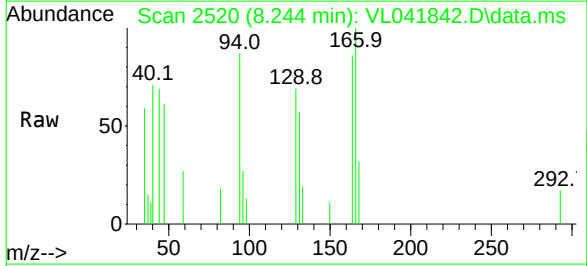
Tgt Ion	Ratio	Lower	Upper
130	100		
95	66.5	90.1	135.1#
132	66.5	71.8	107.8#
97	87.5	57.9	86.9#





#52
Tetrachloroethene
Concen: 0.103 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

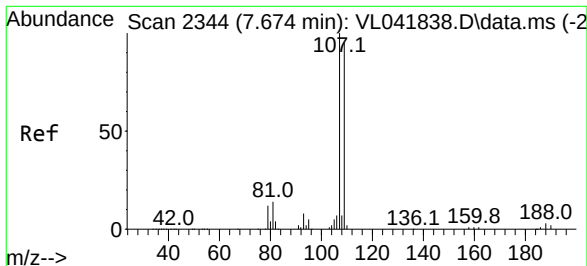
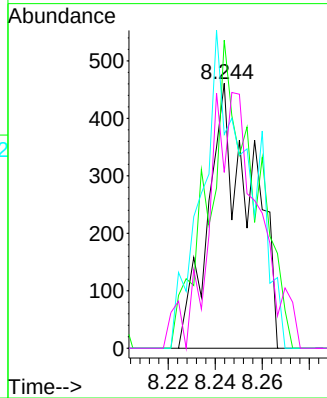
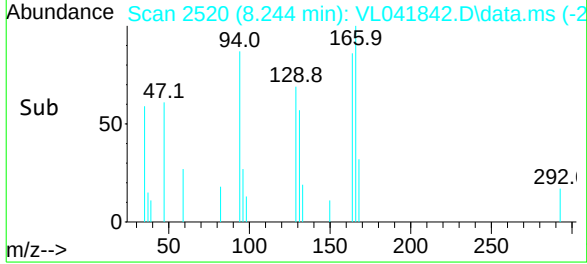
Instrument : MSVOA_1
ClientSampleId : VSTDIC0.1



Tgt Ion:164 Resp: 588
Ion Ratio Lower Upper
164 100
166 116.3 100.4 150.6
129 80.7 85.9 128.9#
131 66.4 82.8 124.2#

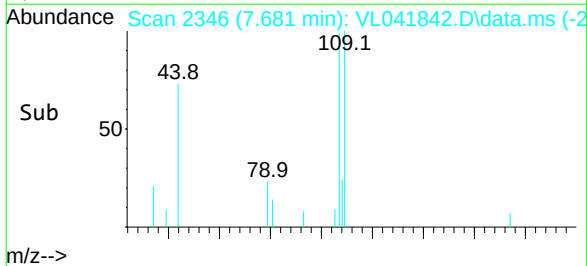
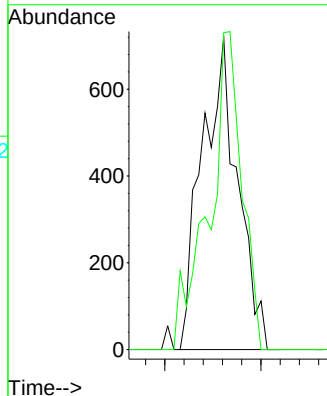
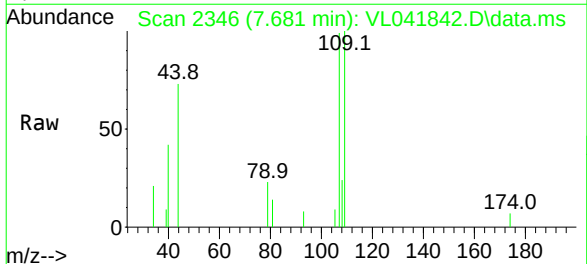
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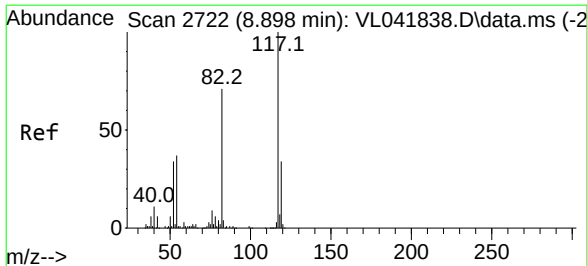
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#54
1,2-Dibromoethane
Concen: 0.096 ppbv m
RT: 7.681 min Scan# 2346
Delta R.T. 0.006 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

Tgt Ion:107 Resp: 929
Ion Ratio Lower Upper
107 100
109 101.1 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 27

Delta R.T. 0.006 min

Lab File: VL041842.D

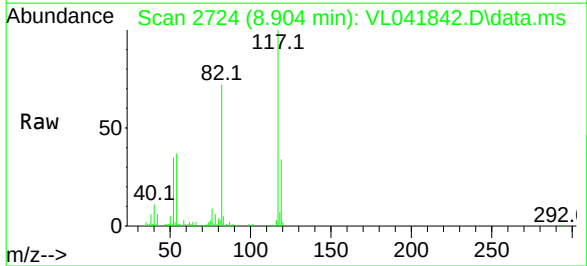
Acq: 07 Jan 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

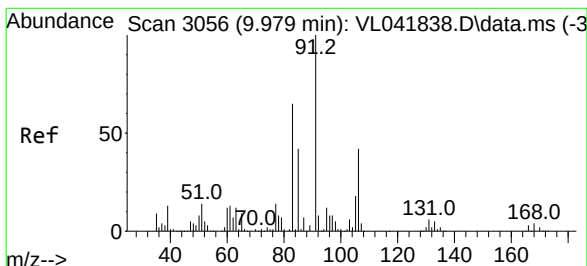
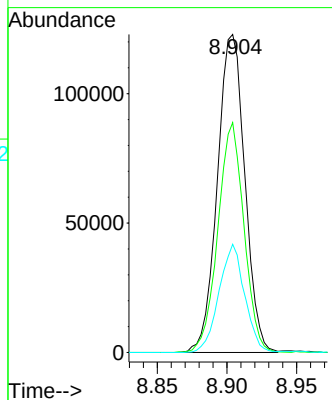
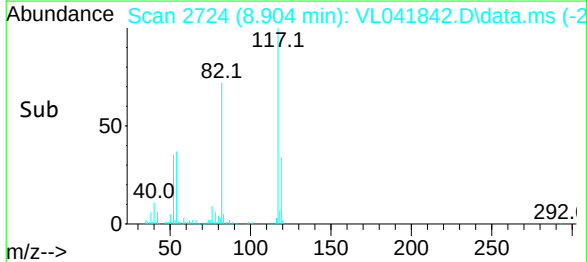


Tgt Ion:	117	Resp:	168288
Ion	Ratio	Lower	Upper
117	100		
82	68.9	59.1	88.7
119	32.2	27.3	40.9

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.098 ppbv

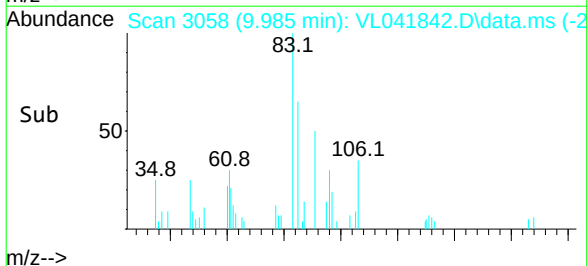
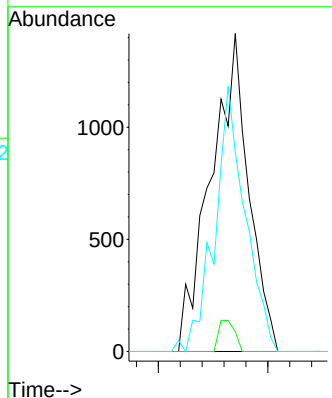
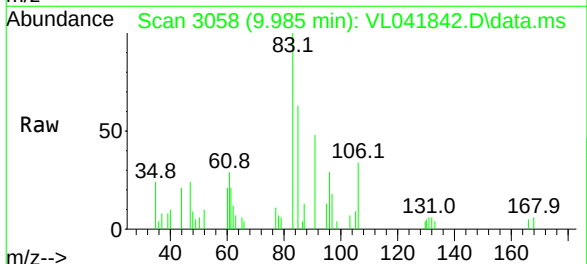
RT: 9.985 min Scan# 3058

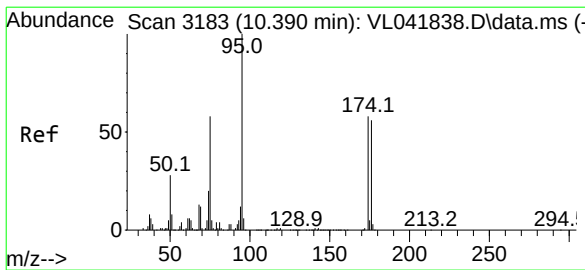
Delta R.T. 0.006 min

Lab File: VL041842.D

Acq: 07 Jan 2025 11:22

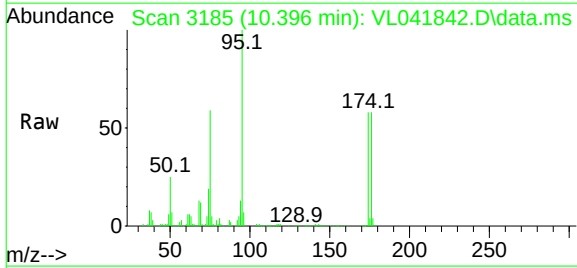
Tgt Ion:	83	Resp:	1698
Ion	Ratio	Lower	Upper
83	100		
131	4.2	4.8	14.3#
85	67.4	31.9	95.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.681 ppbv
RT: 10.396 min Scan# 3183
Delta R.T. 0.006 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22

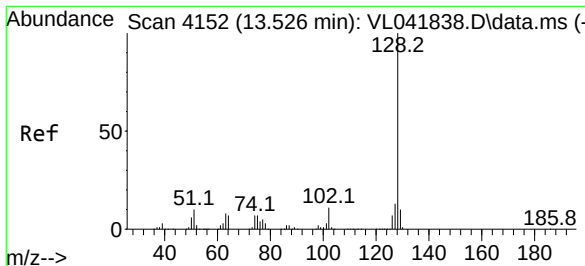
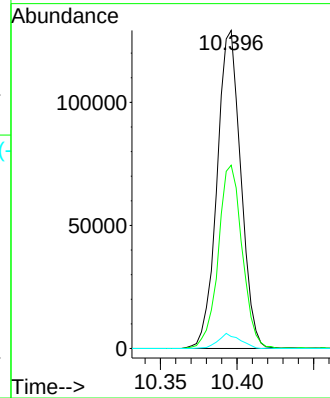
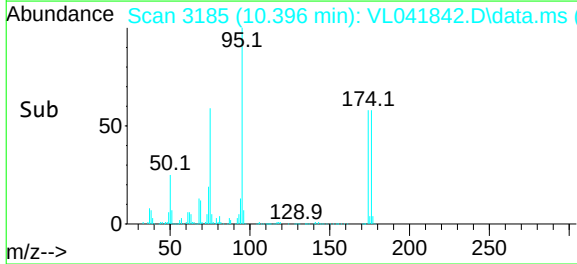
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



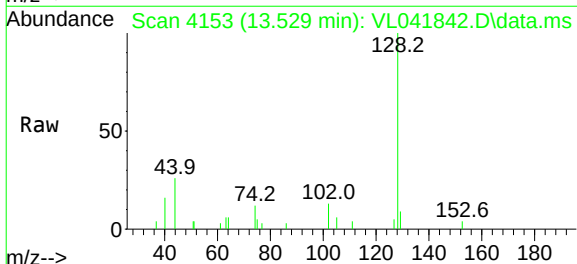
Tgt Ion: 95 Resp: 139535
Ion Ratio Lower Upper
95 100
174 58.4 47.6 71.4
175 4.4 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#79
Naphthalene
Concen: 0.060 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL041842.D
Acq: 07 Jan 2025 11:22



Tgt Ion:128 Resp: 1063
Ion Ratio Lower Upper
128 100
127 4.6 10.5 15.7#
129 8.7 8.2 12.4

