

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042730.D
 Acq On : 22 Jul 2025 12:56
 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 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:49:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 2025
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	100463	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	300245	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	262801	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	208246	9.804	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	729	0.115	ppbv #	81
32) 1,1,1-Trichloroethane	3.373	97	2129m	0.090	ppbv	
35) Carbon Tetrachloride	3.768	117	2781m	0.113	ppbv	
38) Trichloroethene	4.554	130	1510m	0.111	ppbv	
52) Tetrachloroethene	8.231	164	1225m	0.109	ppbv	
54) 1,2-Dibromoethane	7.658	107	1908m	0.112	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	2318m	0.114	ppbv	
79) Naphthalene	13.513	128	2315m	0.081	ppbv	

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

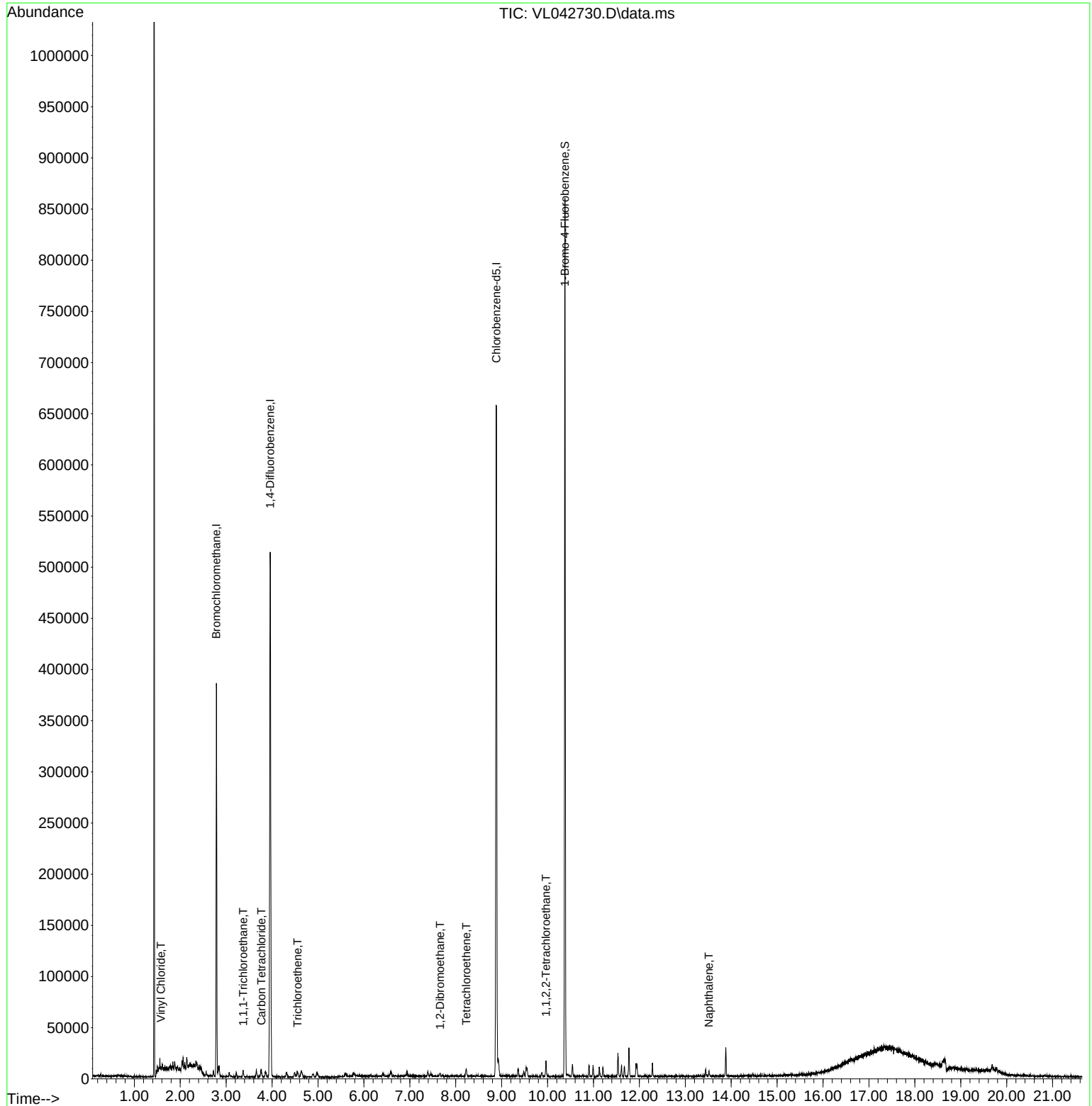
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042730.D
Acq On : 22 Jul 2025 12:56
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
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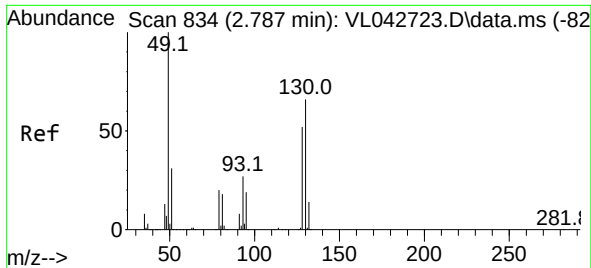
Instrument :
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VSTDICC0.1

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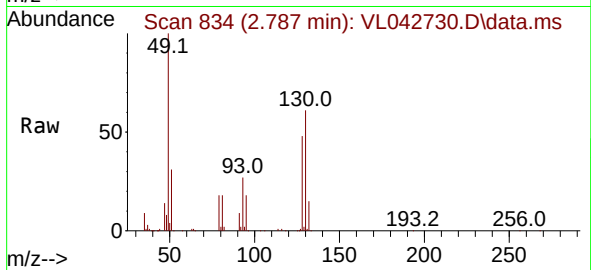
Quant Time: Jul 23 01:49:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

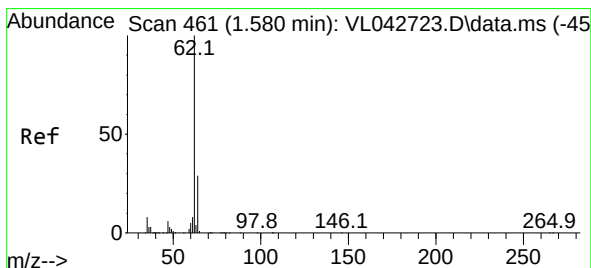
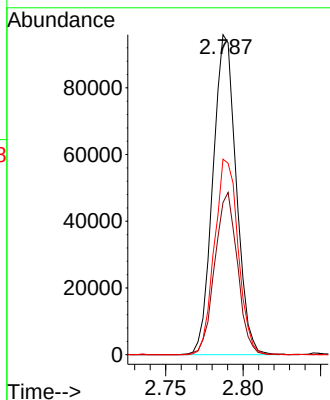
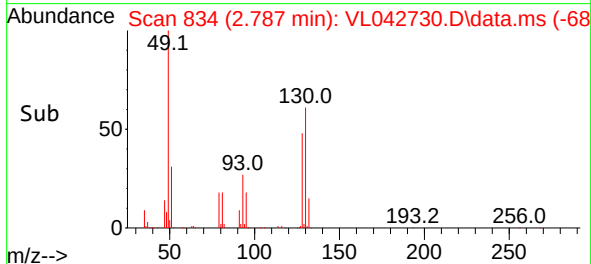
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 100461
Ion Ratio Lower Upper
49 100
128 49.4 24.5 73.5
130 62.1 31.7 95.1

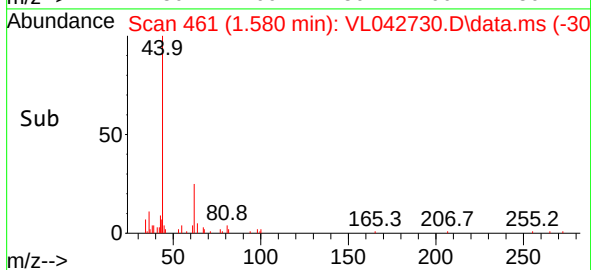
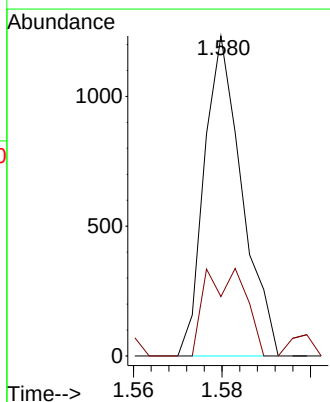
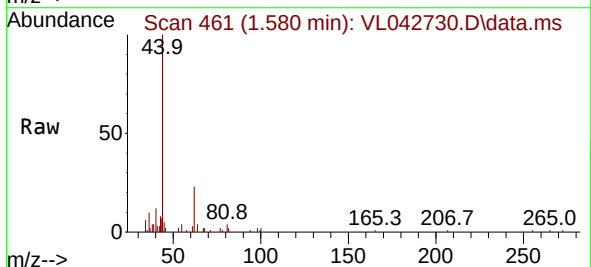
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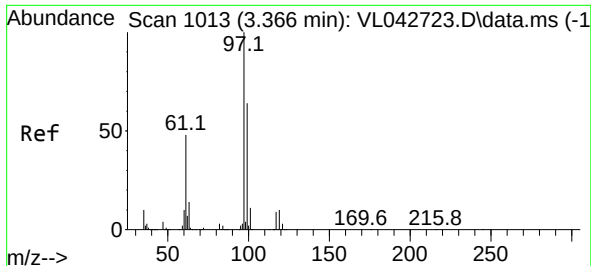
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

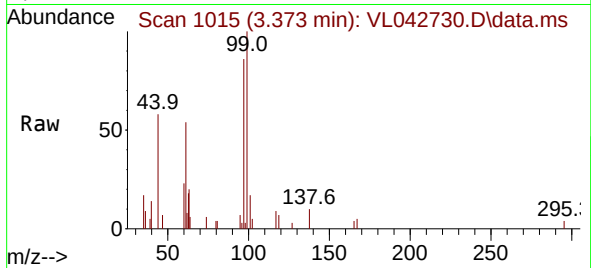
Tgt Ion: 62 Resp: 729
Ion Ratio Lower Upper
62 100
64 18.6 23.0 34.6#





#32
1,1,1-Trichloroethane
Concen: 0.090 ppbv m
RT: 3.373 min Scan# 1013
Delta R.T. 0.007 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

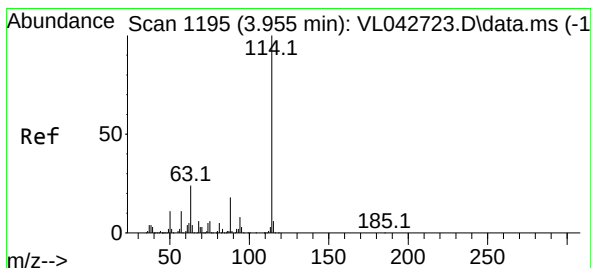
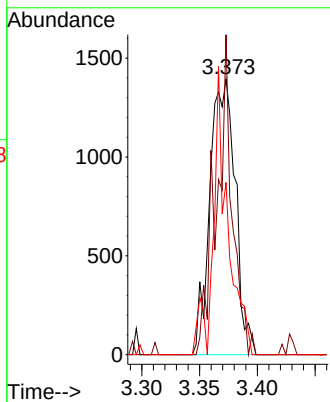
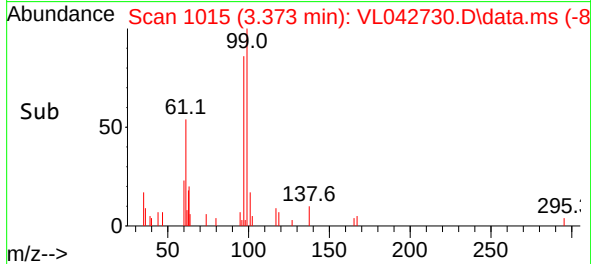
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 97 Resp: 2129
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0
61 60.3 39.6 59.4

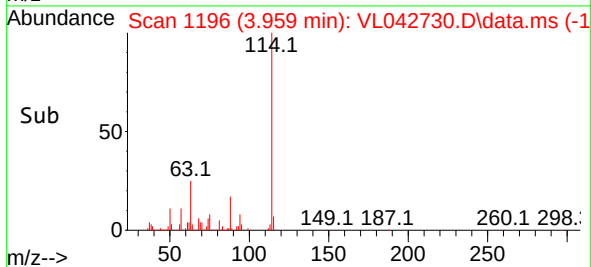
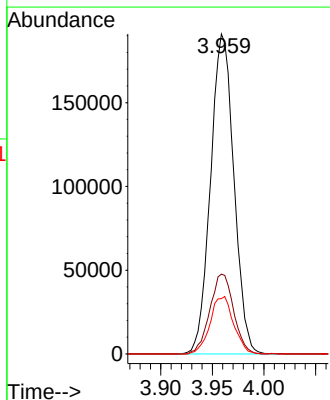
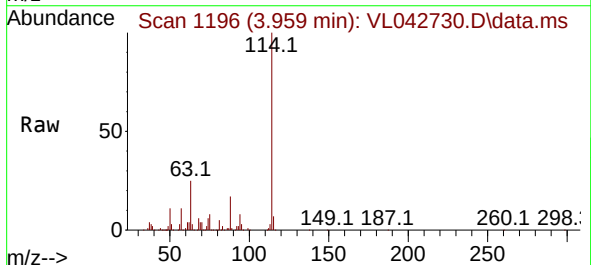
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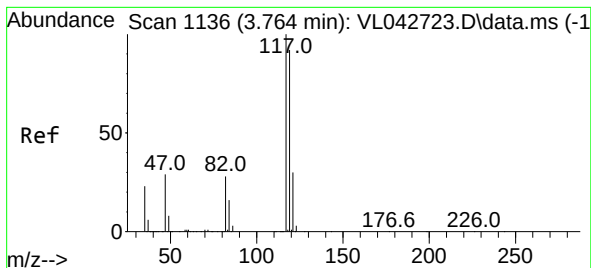
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion:114 Resp: 300245
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 18.1 14.5 21.7





#35

Carbon Tetrachloride

Concen: 0.113 ppbv m

RT: 3.768 min Scan# 1136

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:117 Resp: 278

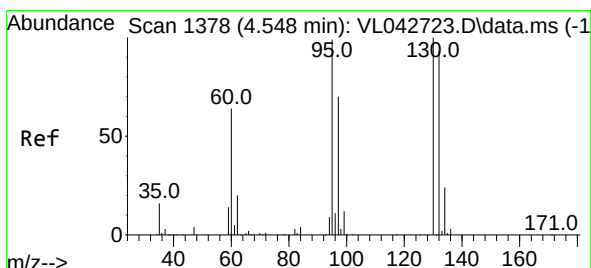
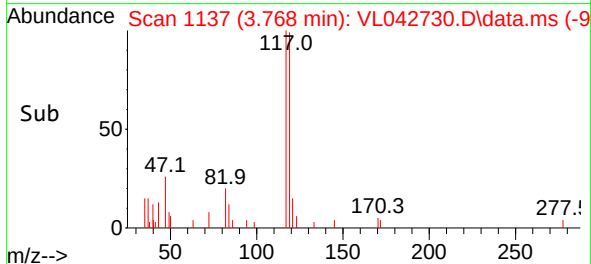
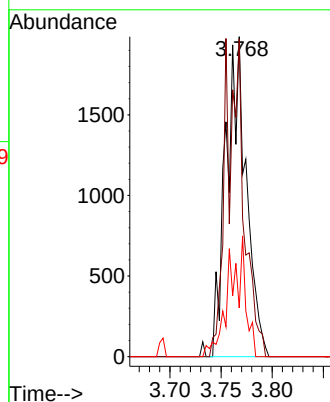
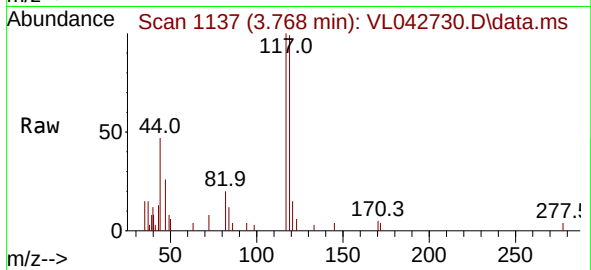
Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.7	110.5
121	15.2	23.8	35.8

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#38

Trichloroethene

Concen: 0.111 ppbv m

RT: 4.554 min Scan# 1380

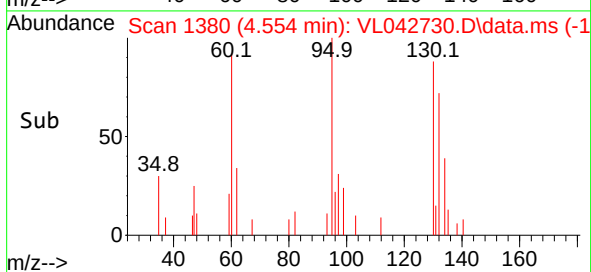
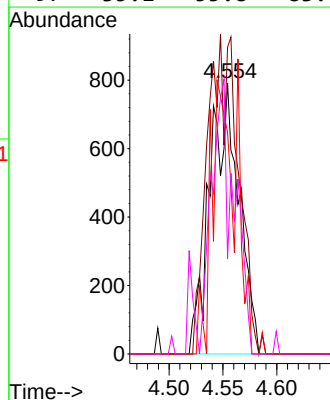
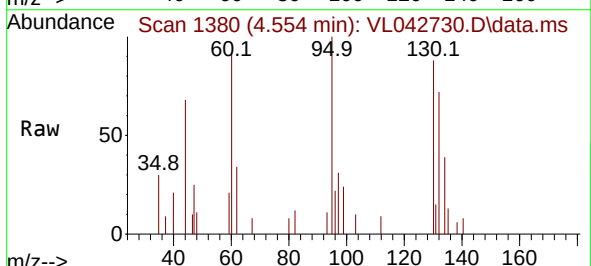
Delta R.T. 0.007 min

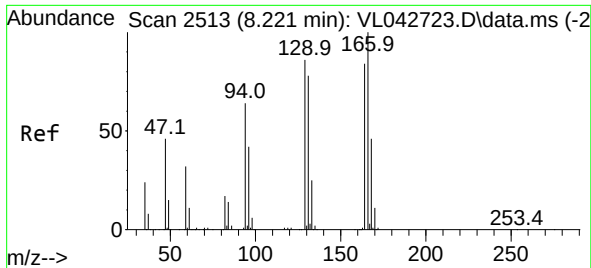
Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion:130 Resp: 1510

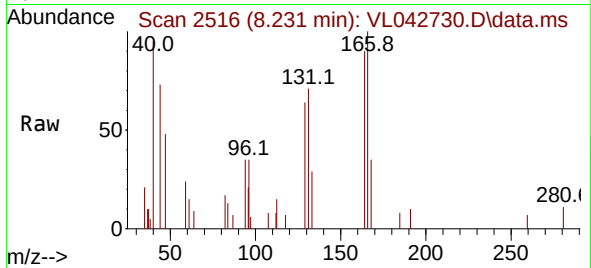
Ion	Ratio	Lower	Upper
130	100		
95	113.1	79.2	118.8
132	81.8	74.1	111.1
97	35.1	55.8	83.6





#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

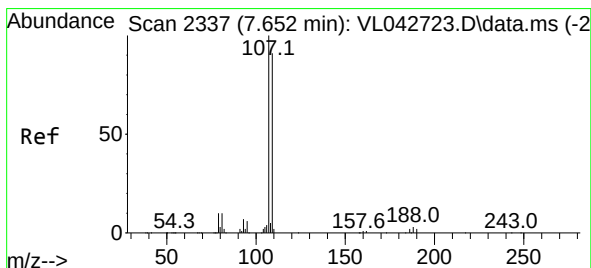
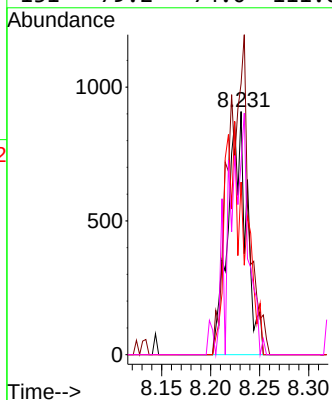
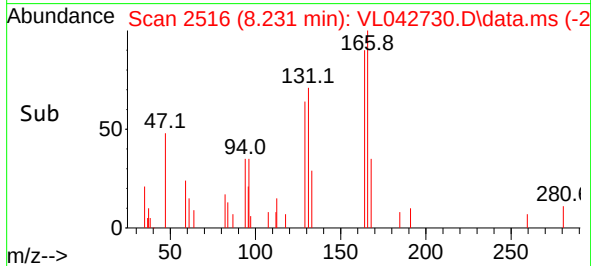
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:164 Resp: 122.9
Ion Ratio Lower Upper
164 100
166 111.4 95.1 142.7
129 71.0 81.9 122.9
131 79.2 74.0 111.0

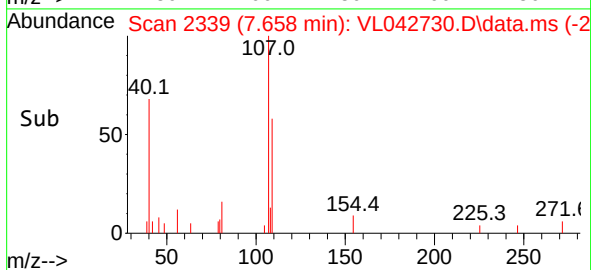
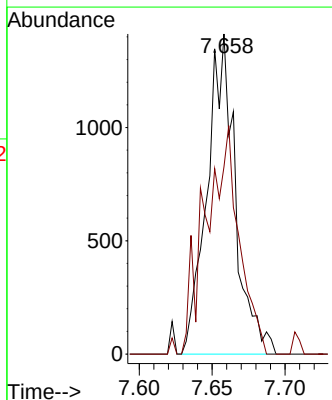
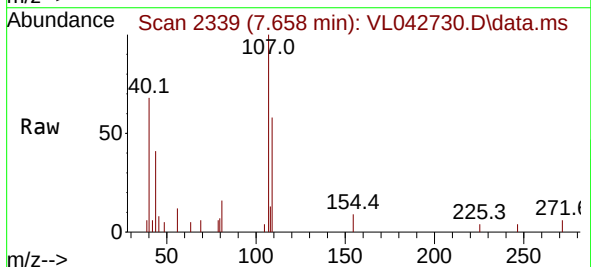
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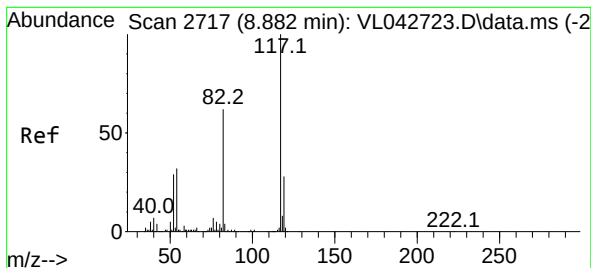
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#54
1,2-Dibromoethane
Concen: 0.112 ppbv m
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion:107 Resp: 1908
Ion Ratio Lower Upper
107 100
109 58.5 72.5 108.7#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 117 Resp: 26280

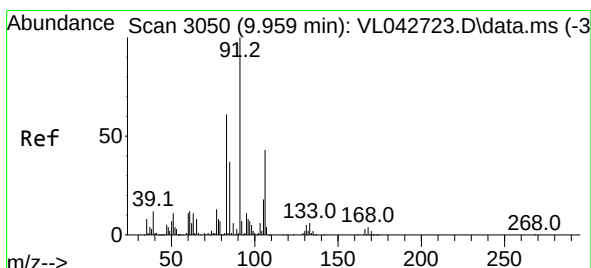
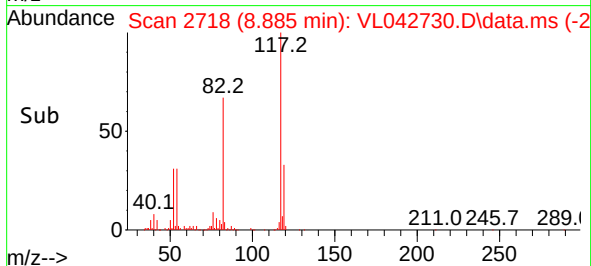
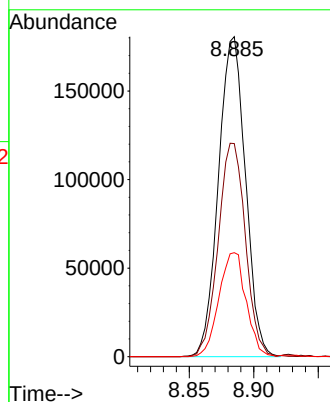
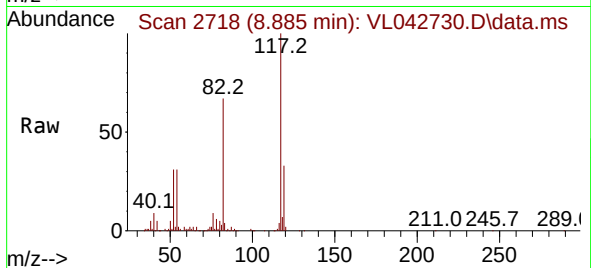
Ion	Ratio	Lower	Upper
117	100		
82	67.1	54.6	81.8
119	33.0	25.3	37.9

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.114 ppbv m

RT: 9.966 min Scan# 3052

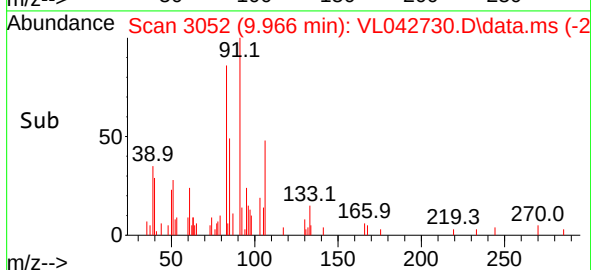
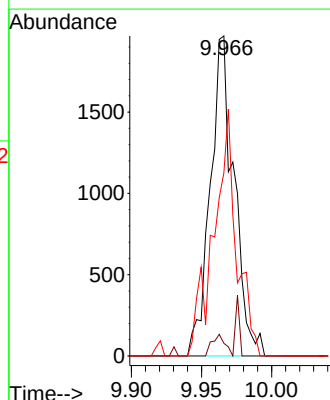
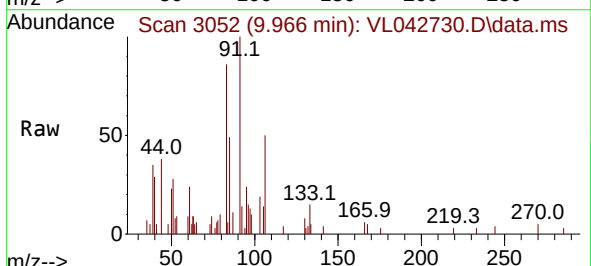
Delta R.T. 0.007 min

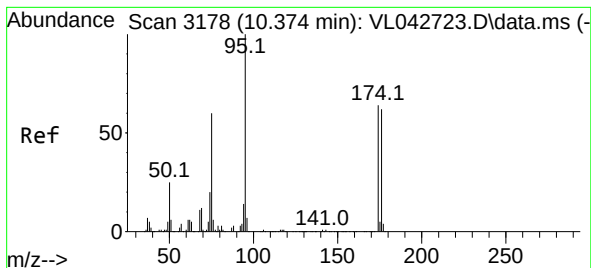
Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion: 83 Resp: 2318

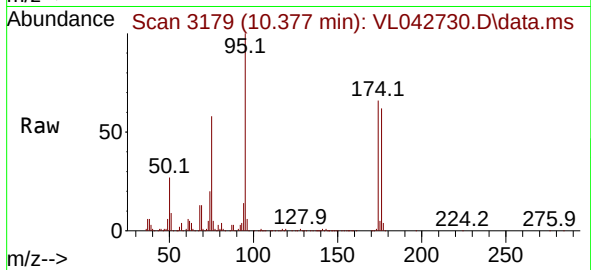
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.2	15.6#
85	0.0	32.1	96.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.804 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

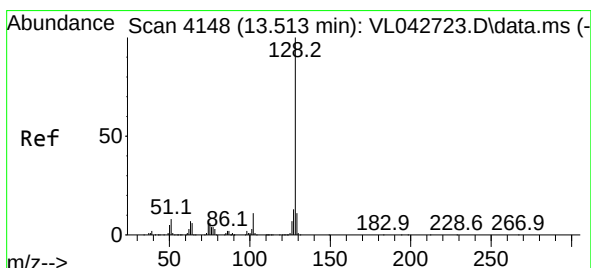
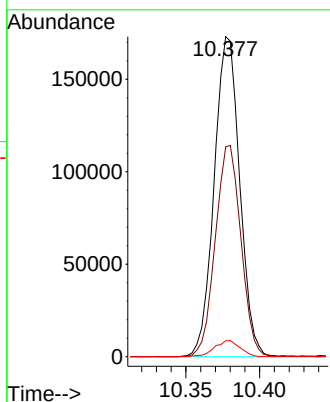
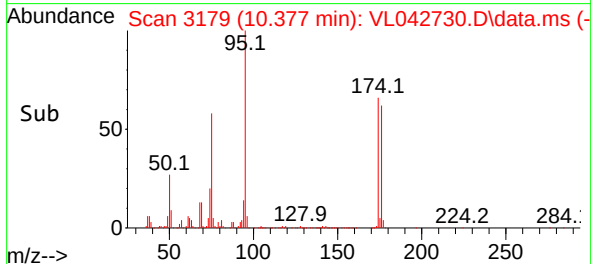
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



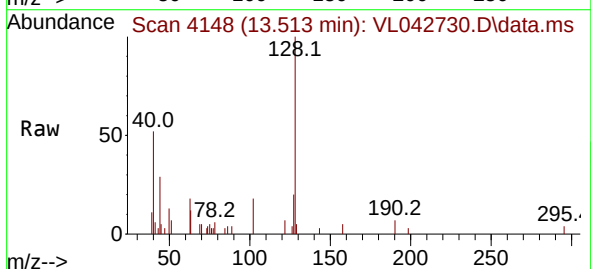
Tgt Ion: 95 Resp: 208240
Ion Ratio Lower Upper
95 100
174 66.3 51.4 77.2
175 5.0 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#79
Naphthalene
Concen: 0.081 ppbv m
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56



Tgt Ion:128 Resp: 2315
Ion Ratio Lower Upper
128 100
127 19.6 10.3 15.5#
129 4.6 8.6 13.0#

