

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042529.D
 Acq On : 12 May 2025 11:15
 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 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:48:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	100628	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	280717	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	240256	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	201627	9.645	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.573	62	809	0.119	ppbv #	81
32) 1,1,1-Trichloroethane	3.353	97	2575	0.106	ppbv	95
35) Carbon Tetrachloride	3.755	117	2579m	0.102	ppbv	
38) Trichloroethene	4.528	130	1114m	0.105	ppbv	
52) Tetrachloroethene	8.212	164	1249m	0.130	ppbv	
54) 1,2-Dibromoethane	7.642	107	1664m	0.104	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.950	83	2392m	0.105	ppbv	
79) Naphthalene	13.510	128	1211m	0.046	ppbv	

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

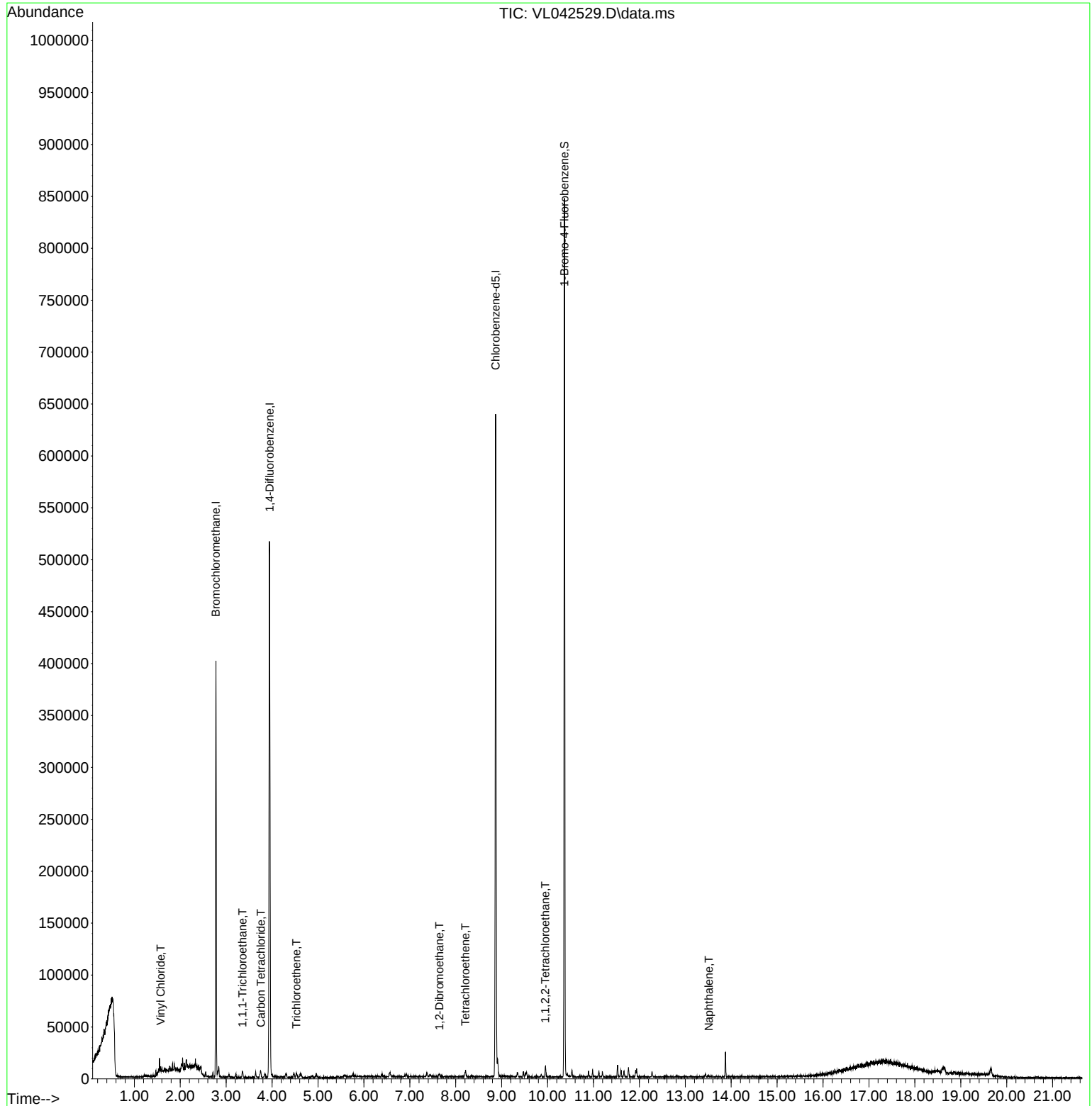
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
Data File : VL042529.D
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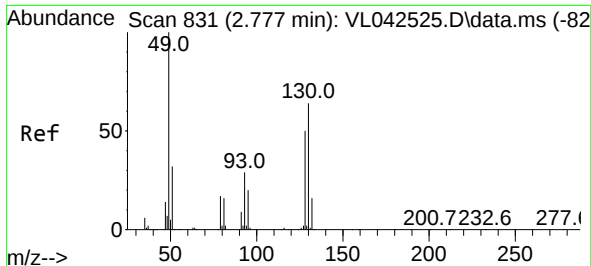
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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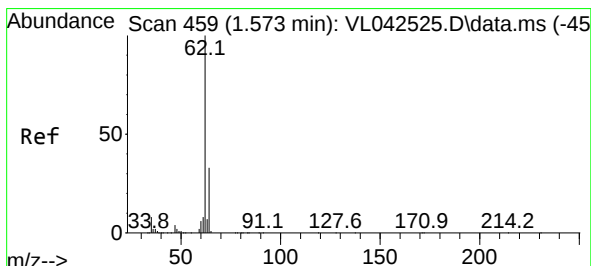
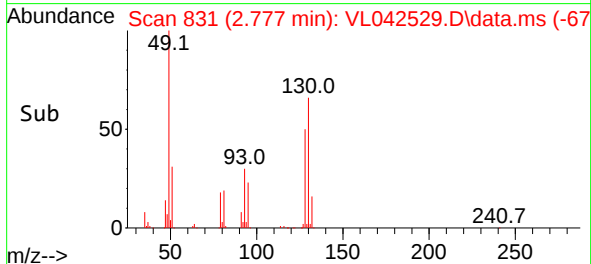
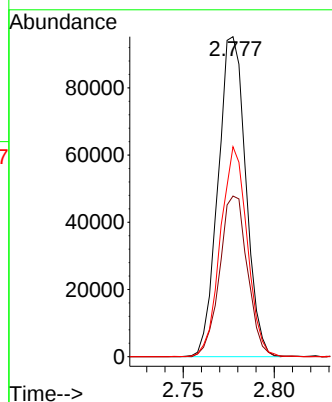
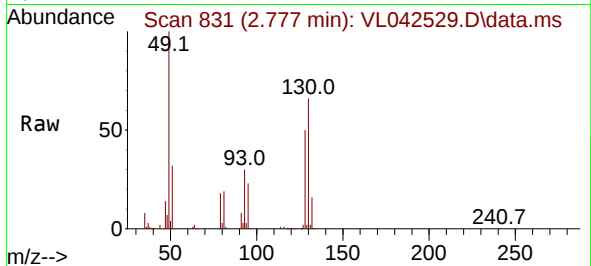
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. 0.000 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 100628
Ion Ratio Lower Upper
49 100
128 50.3 24.9 74.6
130 63.2 32.5 97.5

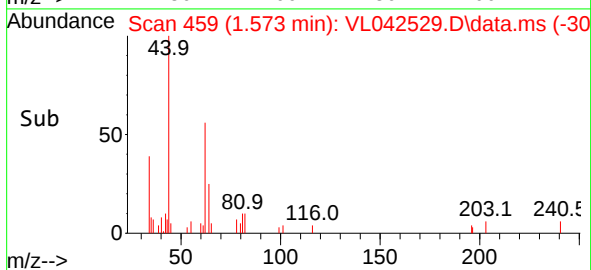
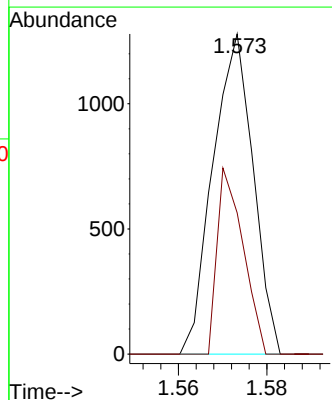
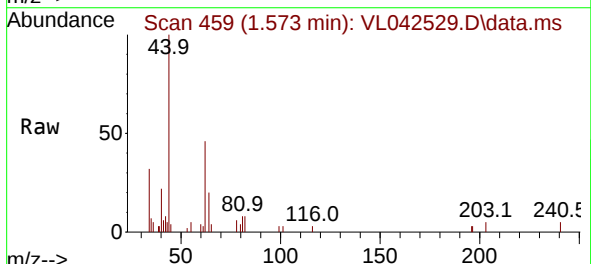
Manual Integrations
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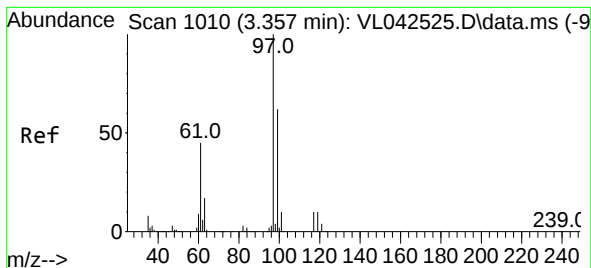
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#5
Vinyl Chloride
Concen: 0.119 ppbv
RT: 1.573 min Scan# 459
Delta R.T. -0.000 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

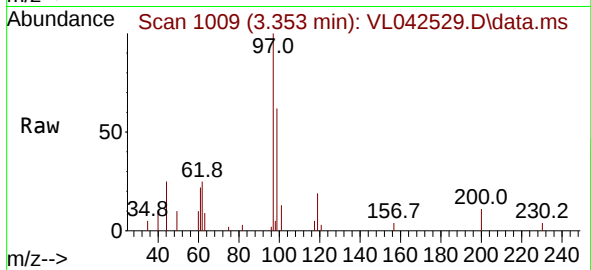
Tgt Ion: 62 Resp: 809
Ion Ratio Lower Upper
62 100
64 44.1 26.5 39.7#





#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv
RT: 3.353 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

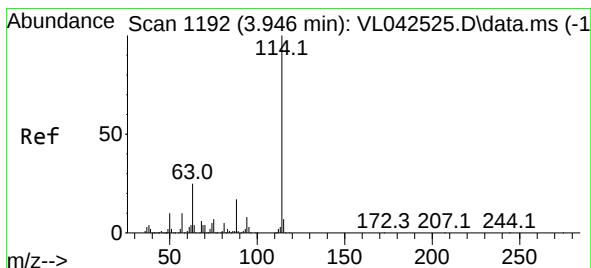
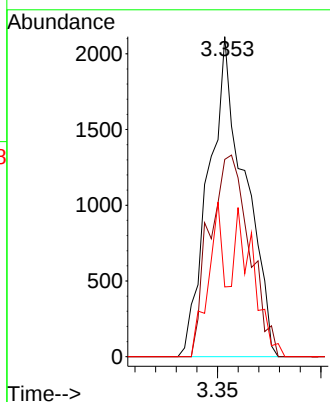
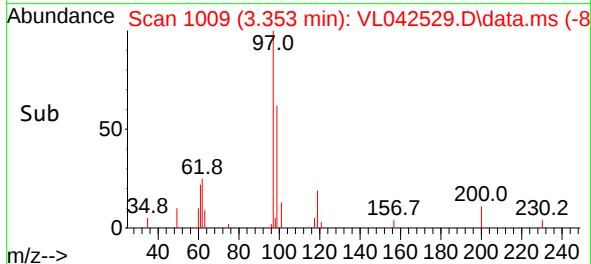
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



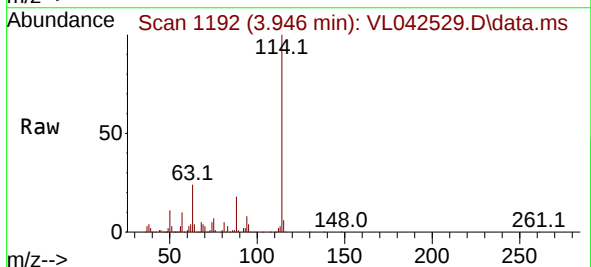
Tgt Ion: 97 Resp: 257
Ion Ratio Lower Upper
97 100
99 69.6 50.1 75.1
61 47.6 38.2 57.2

Manual Integrations
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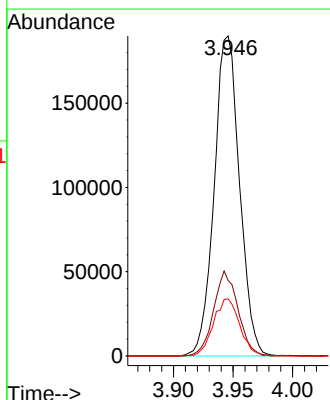
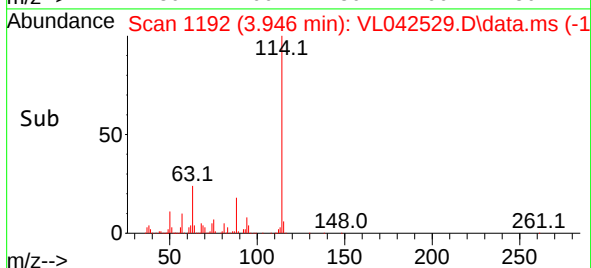
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

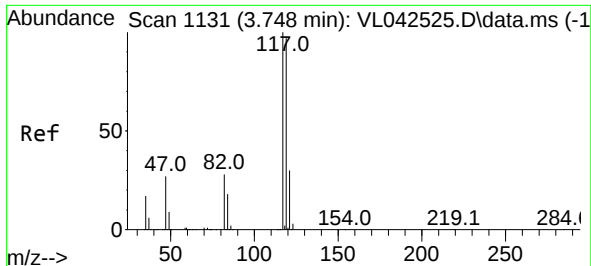


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15



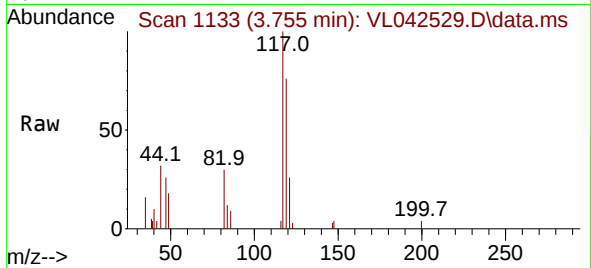
Tgt Ion:114 Resp: 280717
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 18.4 14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.102 ppbv m
RT: 3.755 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

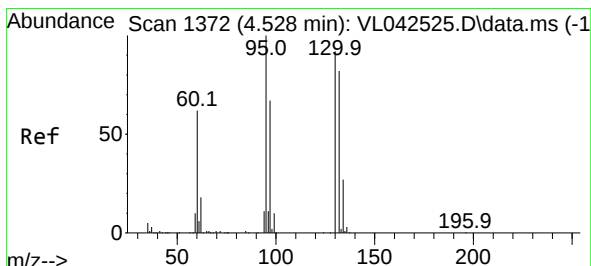
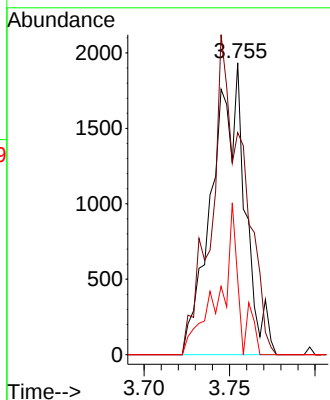
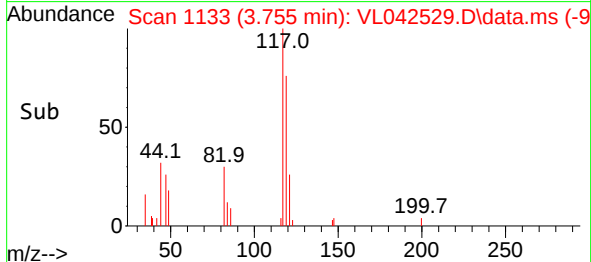
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:117 Resp: 2579
Ion Ratio Lower Upper
117 100
119 76.1 77.7 116.5
121 25.6 24.0 36.0

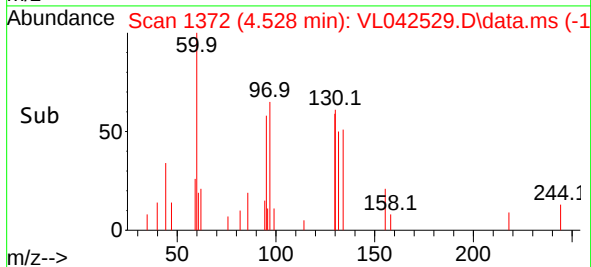
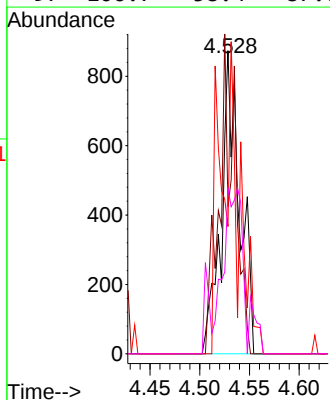
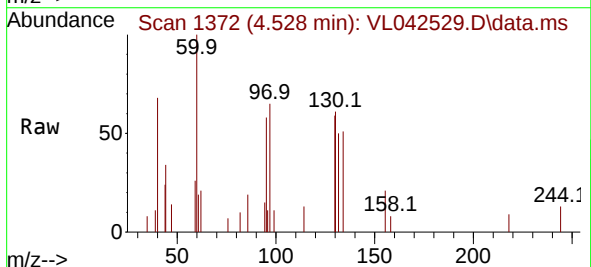
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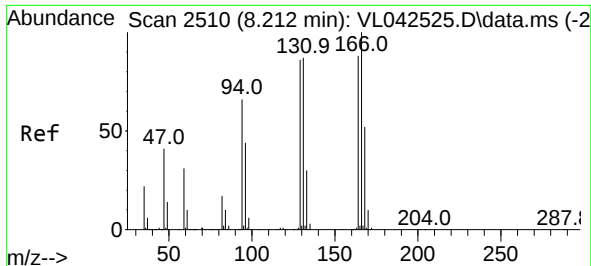
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#38
Trichloroethene
Concen: 0.105 ppbv m
RT: 4.528 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

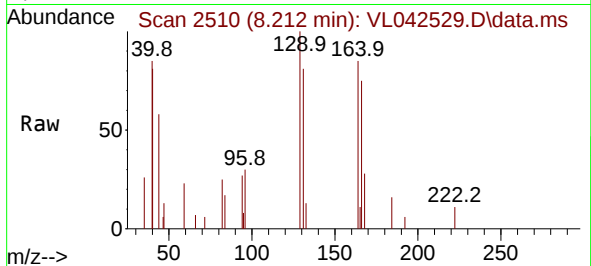
Tgt Ion:130 Resp: 1114
Ion Ratio Lower Upper
130 100
95 95.1 87.0 130.4
132 82.1 71.1 106.7
97 106.7 58.4 87.6#





#52
Tetrachloroethene
Concen: 0.130 ppbv m
RT: 8.212 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

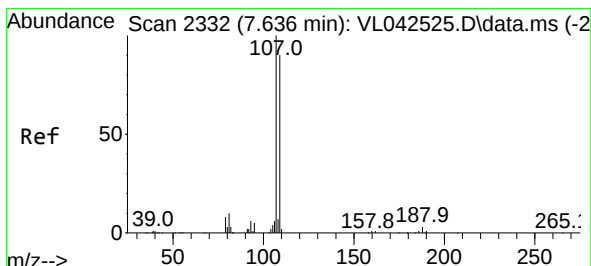
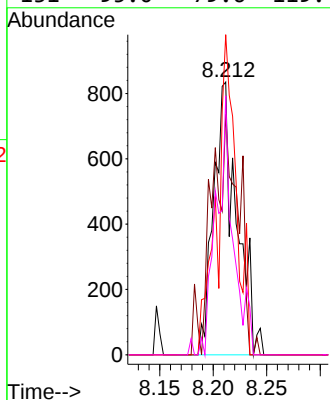
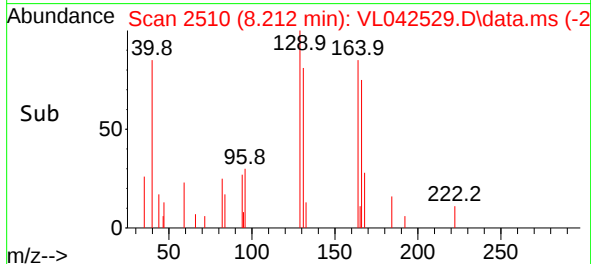
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



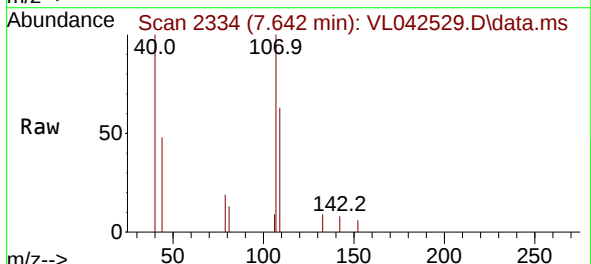
Tgt Ion:164 Resp: 1249
Ion Ratio Lower Upper
164 100
166 88.1 91.3 136.9
129 117.4 78.9 118.3
131 95.0 79.6 119.4

Manual Integrations
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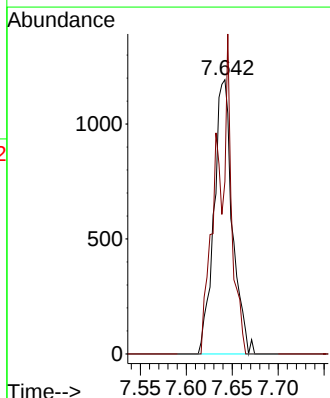
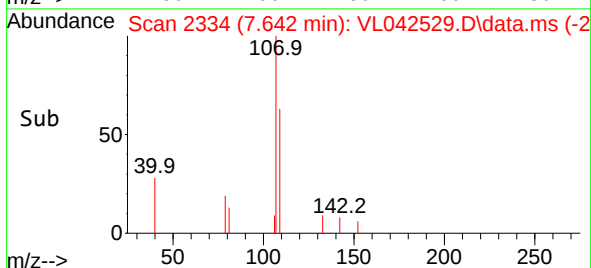
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

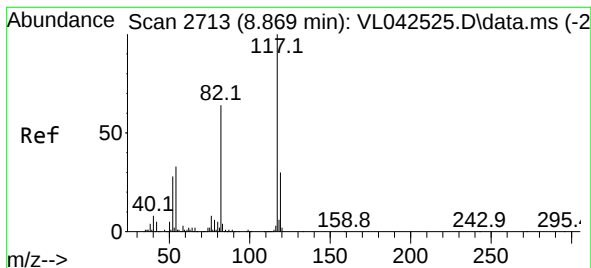


#54
1,2-Dibromoethane
Concen: 0.104 ppbv m
RT: 7.642 min Scan# 2334
Delta R.T. 0.006 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15



Tgt Ion:107 Resp: 1664
Ion Ratio Lower Upper
107 100
109 62.9 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL042529.D

Acq: 12 May 2025 11:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

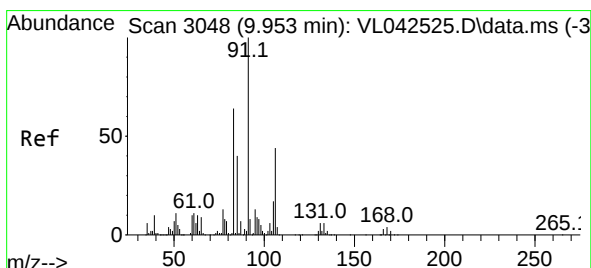
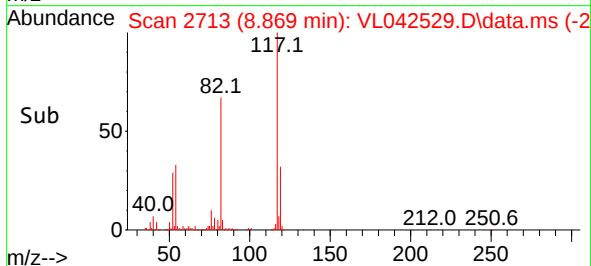
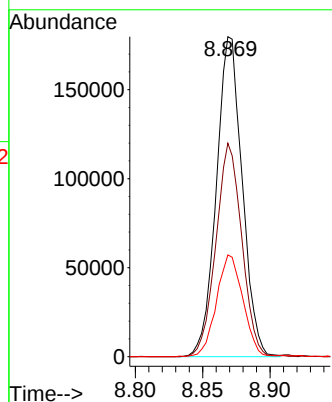
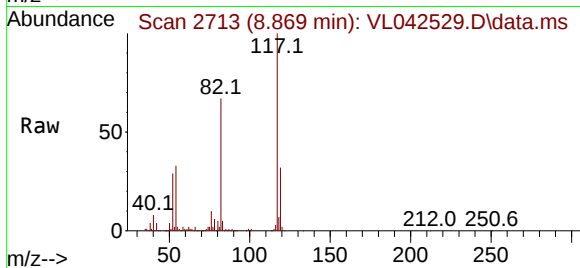
Tgt Ion: 117 Resp: 240250

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.0	82.4
119	32.9	25.8	38.6

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.105 ppbv m

RT: 9.950 min Scan# 3047

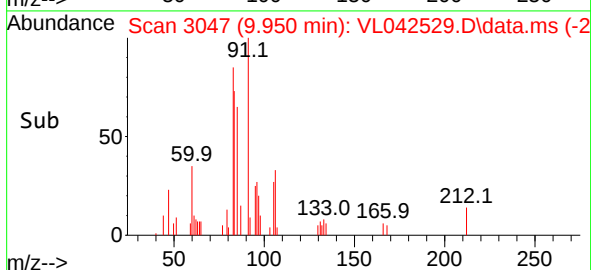
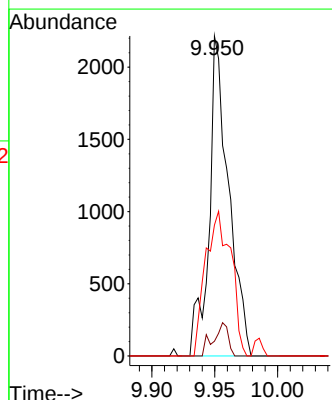
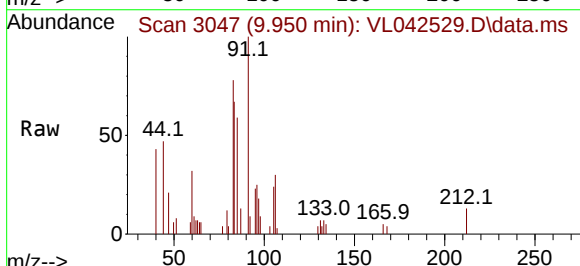
Delta R.T. -0.003 min

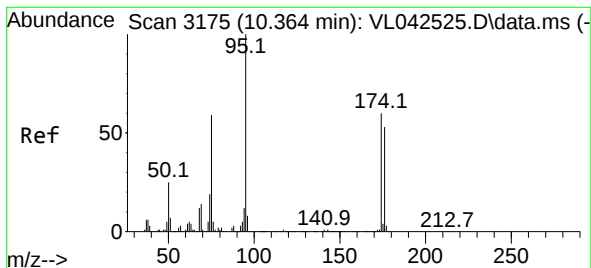
Lab File: VL042529.D

Acq: 12 May 2025 11:15

Tgt Ion: 83 Resp: 2392

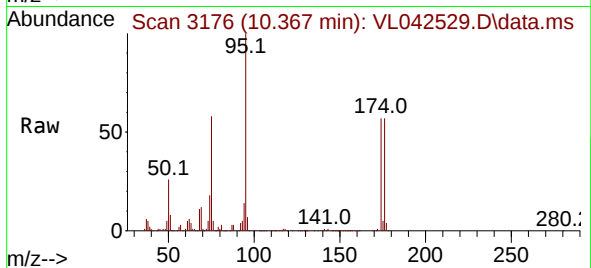
Ion	Ratio	Lower	Upper
83	100		
131	7.9	4.9	14.7
85	61.3	32.3	96.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.645 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

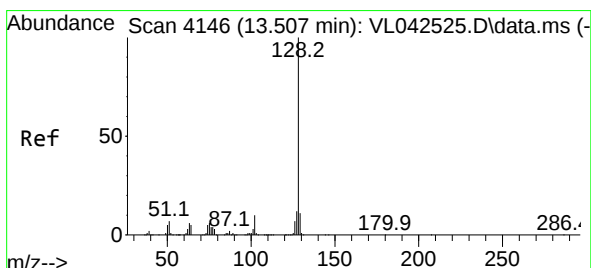
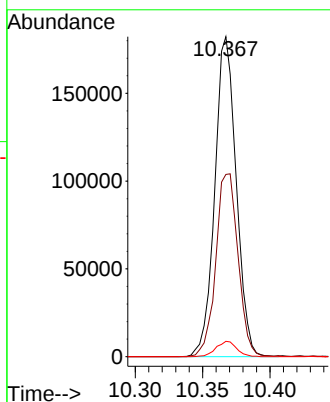
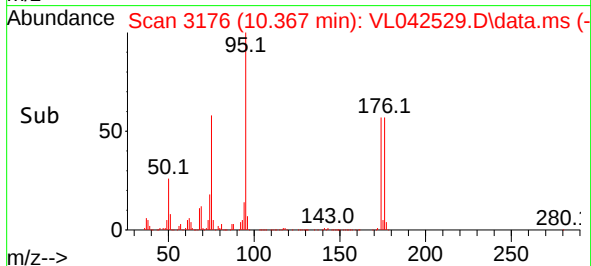
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 95 Resp: 20162
Ion Ratio Lower Upper
95 100
174 59.9 48.0 72.0
175 4.6 3.5 5.3

Manual Integrations
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Supervised By :Mahesh Dadoda 05/14/2025



#79
Naphthalene
Concen: 0.046 ppbv m
RT: 13.510 min Scan# 4147
Delta R.T. 0.003 min
Lab File: VL042529.D
Acq: 12 May 2025 11:15

Tgt Ion:128 Resp: 1211
Ion Ratio Lower Upper
128 100
127 26.0 9.8 14.8#
129 0.0 8.6 12.8#

