

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041893.D
 Acq On : 14 Jan 2025 15:01
 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 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 14 22:42:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	143362	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	425675	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	372545	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	292283	9.961	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.583	62	828	0.111	ppbv	96
32) 1,1,1-Trichloroethane	3.383	97	2640m	0.095	ppbv	
35) Carbon Tetrachloride	3.768	117	2587m	0.097	ppbv	
38) Trichloroethene	4.557	130	1816m	0.117	ppbv	
52) Tetrachloroethene	8.234	164	1480m	0.109	ppbv	
54) 1,2-Dibromoethane	7.668	107	1872m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	2816	0.097	ppbv	95
79) Naphthalene	13.520	128	3643	0.068	ppbv #	96

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

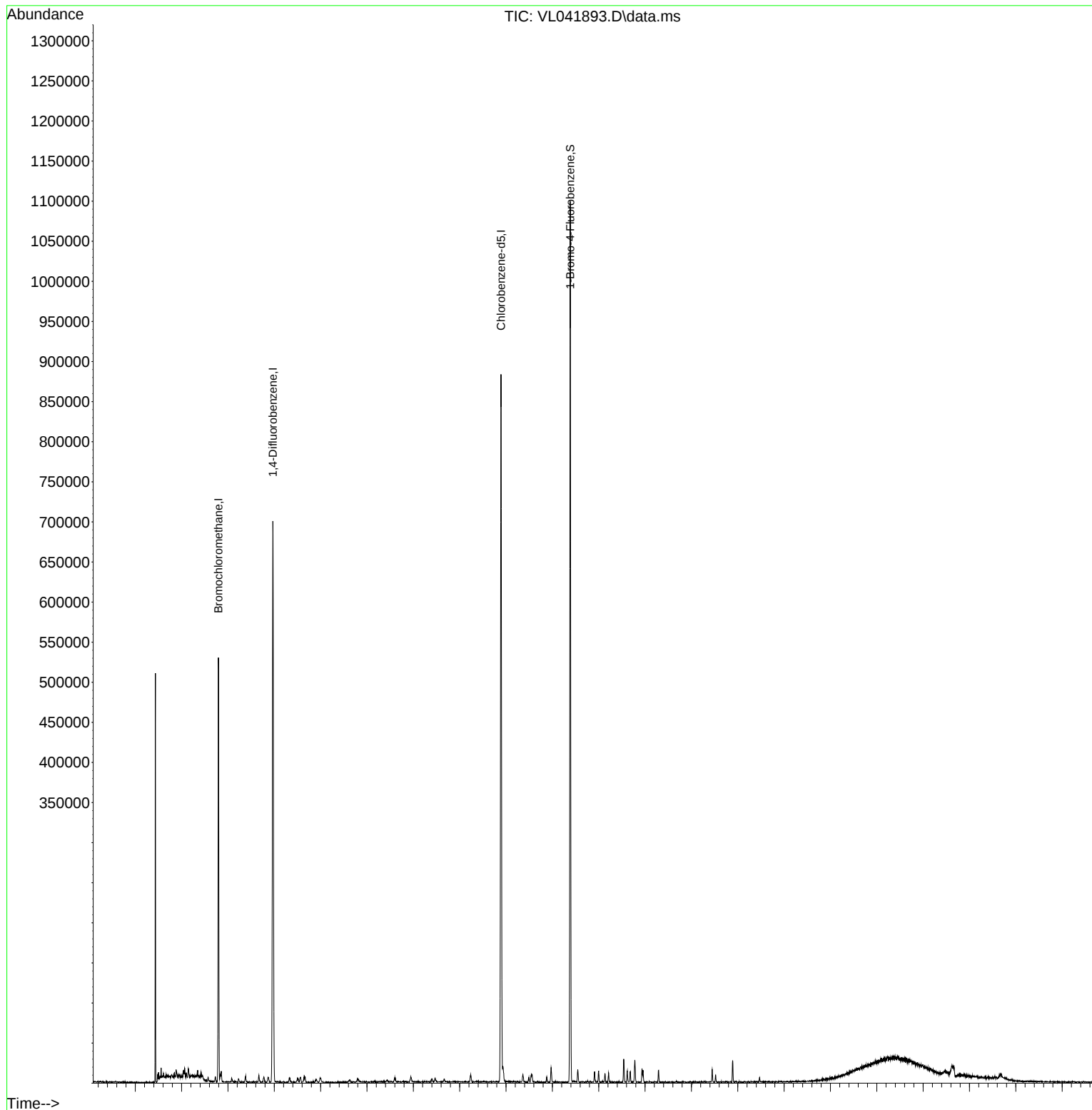
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Data File : VL041893.D
Acq On : 14 Jan 2025 15:01
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

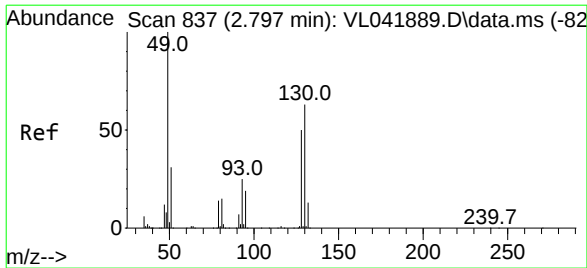
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Time: Jan 14 22:42:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration





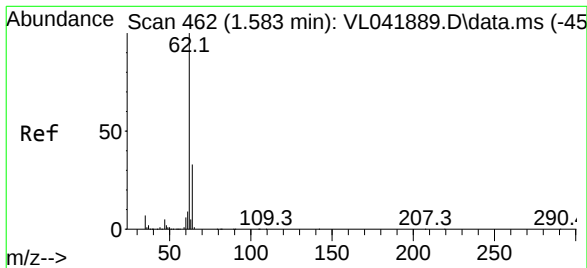
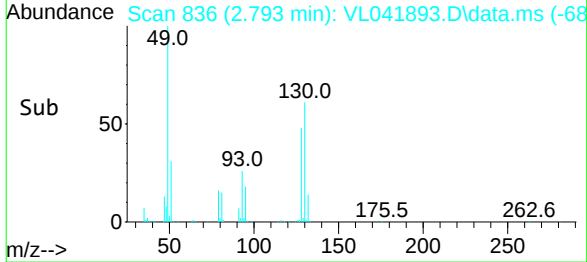
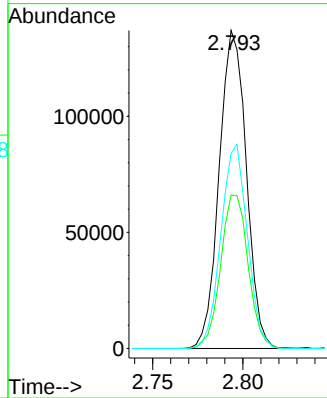
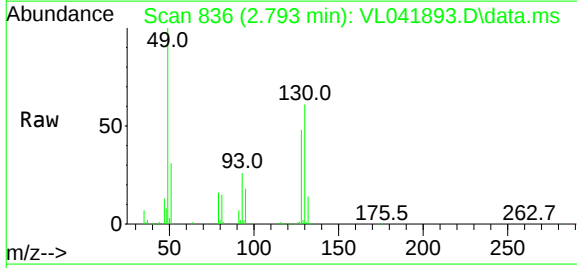
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 837
Delta R.T. -0.004 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 143362
Ion Ratio Lower Upper
49 100
128 49.1 24.3 73.0
130 62.7 31.1 93.2

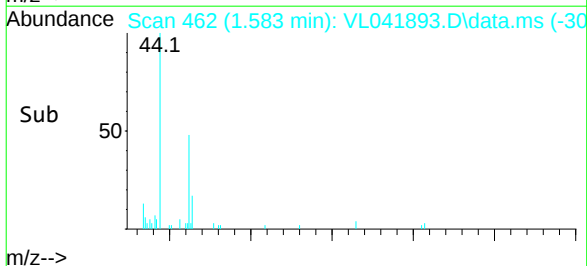
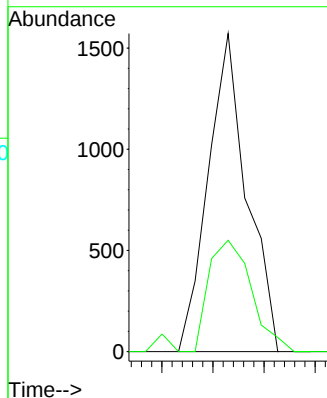
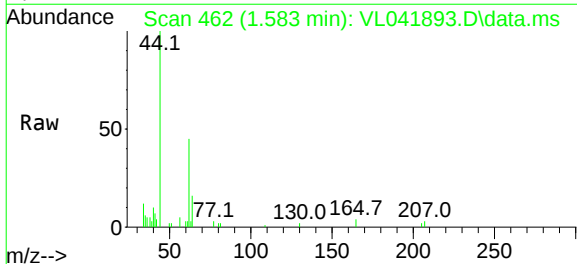
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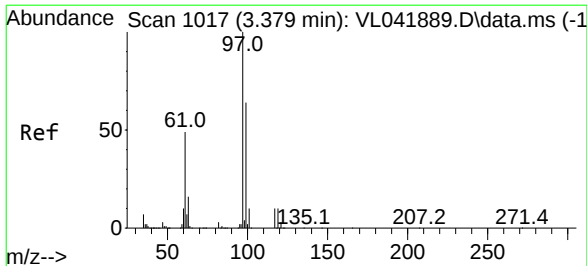
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#5
Vinyl Chloride
Concen: 0.111 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.000 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

Tgt Ion: 62 Resp: 828
Ion Ratio Lower Upper
62 100
64 35.0 26.1 39.1





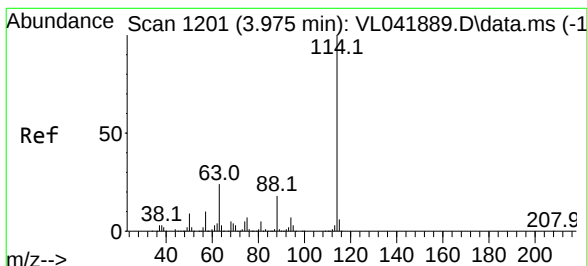
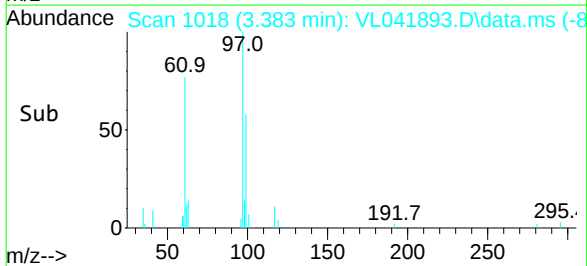
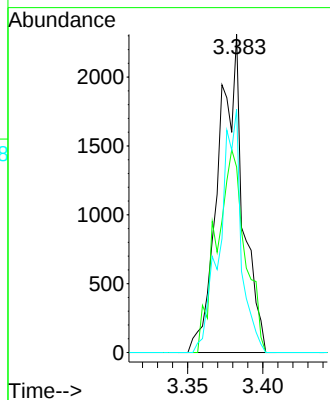
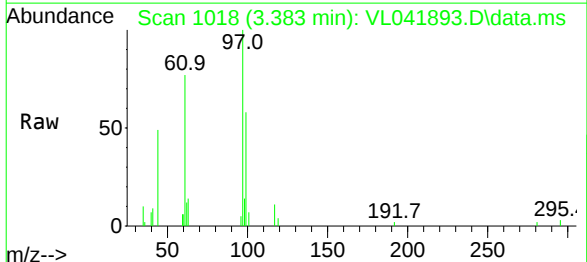
#32
1,1,1-Trichloroethane
Concen: 0.095 ppbv m
RT: 3.383 min Scan# 1017
Delta R.T. 0.003 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

Instrument : MSVOA_1
ClientSampleId : VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7
61	0.0	39.0	58.6

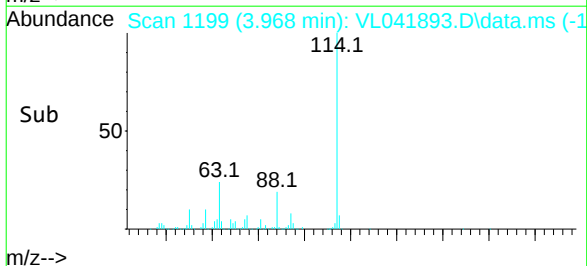
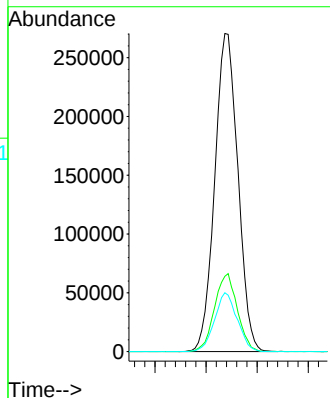
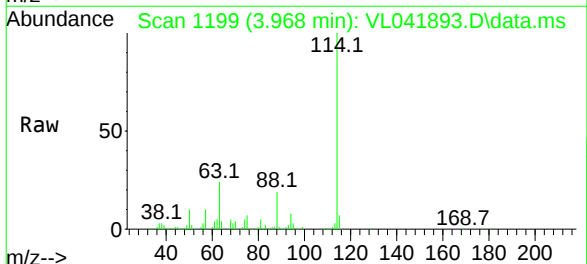
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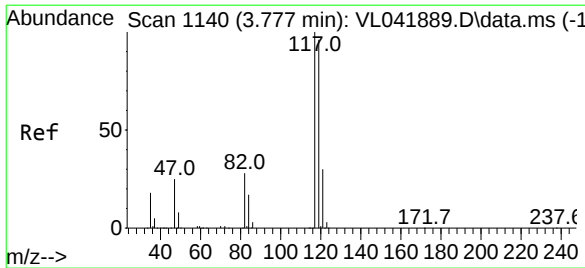
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

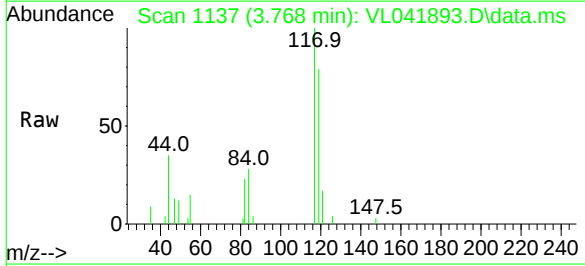
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.8	29.6
88	18.1	14.4	21.6





#35
Carbon Tetrachloride
Concen: 0.097 ppbv m
RT: 3.768 min Scan# 111
Delta R.T. -0.010 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

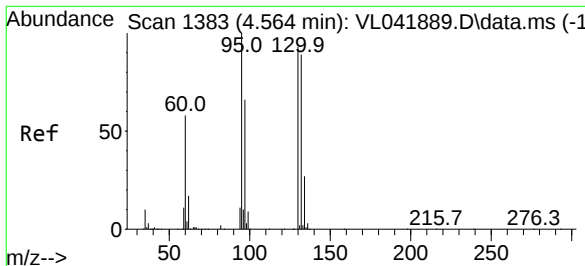
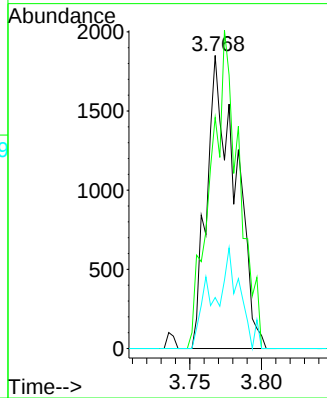
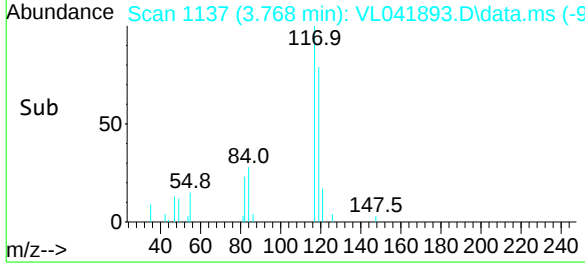
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 2587
Ion Ratio Lower Upper
117 100
119 78.8 76.9 115.3
121 17.4 23.8 35.6#

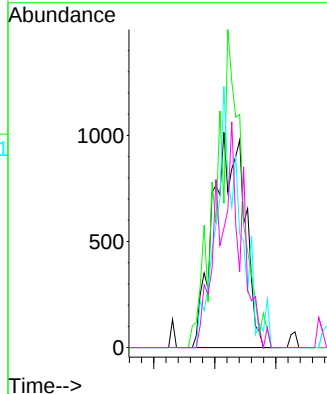
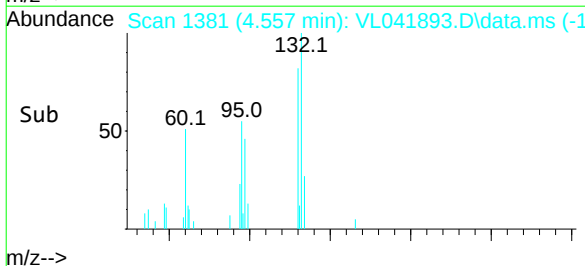
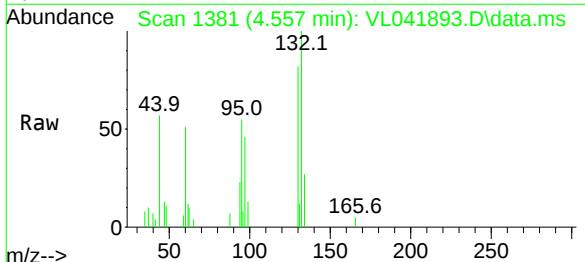
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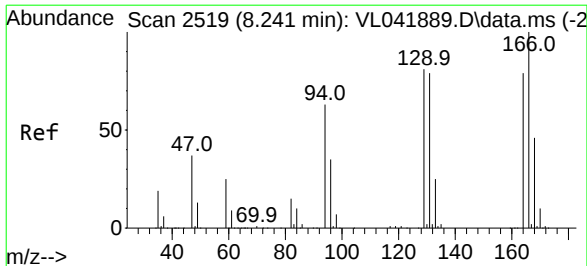
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#38
Trichloroethene
Concen: 0.117 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

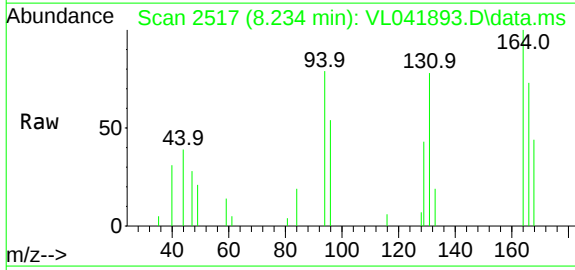
Tgt Ion:130 Resp: 1816
Ion Ratio Lower Upper
130 100
95 67.1 85.8 128.8#
132 121.3 76.5 114.7#
97 55.4 56.8 85.2#





#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 8.234 min Scan# 2519
Delta R.T. -0.006 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

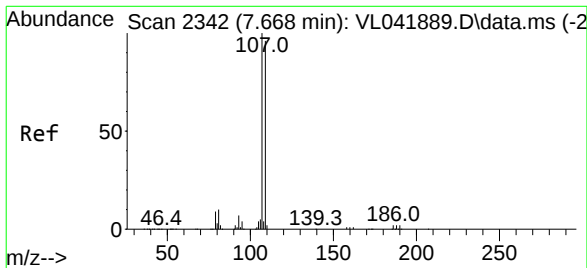
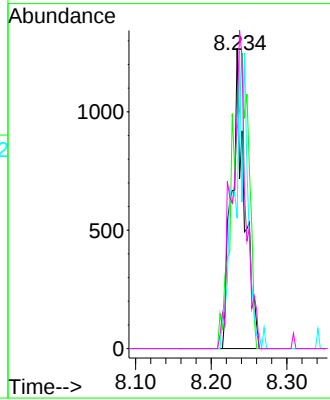
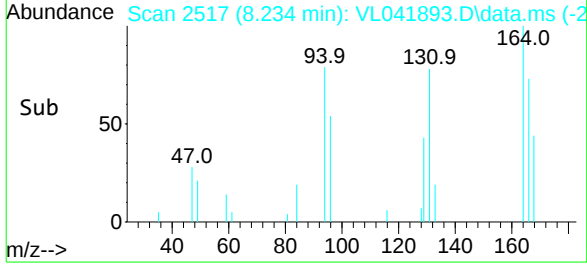
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.1



Tgt Ion:164 Resp: 1480
Ion Ratio Lower Upper
164 100
166 73.0 100.8 151.2#
129 43.3 82.0 123.0#
131 78.3 80.2 120.2#

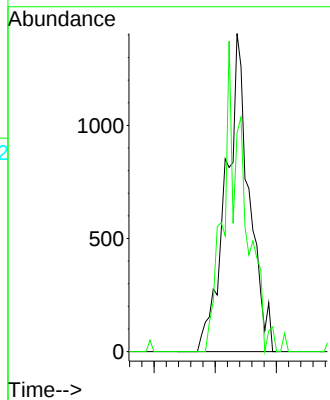
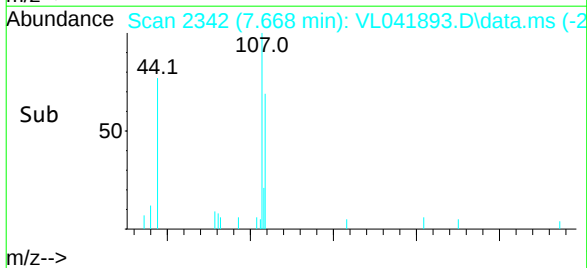
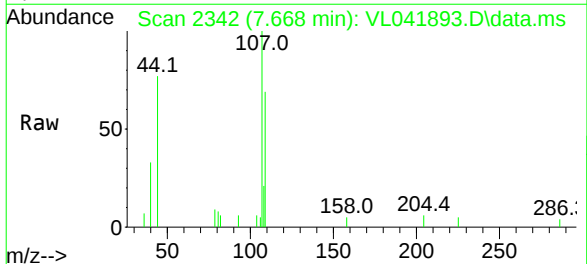
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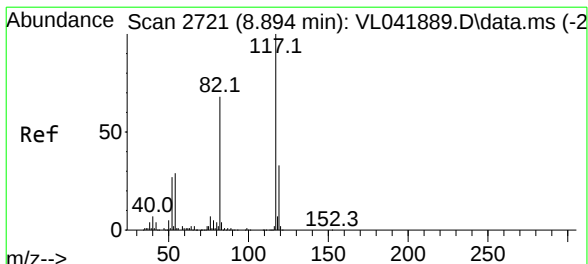
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



#54
1,2-Dibromoethane
Concen: 0.094 ppbv m
RT: 7.668 min Scan# 2342
Delta R.T. 0.000 min
Lab File: VL041893.D
Acq: 14 Jan 2025 15:01

Tgt Ion:107 Resp: 1872
Ion Ratio Lower Upper
107 100
109 68.8 76.7 115.1#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.891 min Scan# 2721
 Delta R.T. -0.003 min
 Lab File: VL041893.D
 Acq: 14 Jan 2025 15:01

Instrument :

MSVOA_L

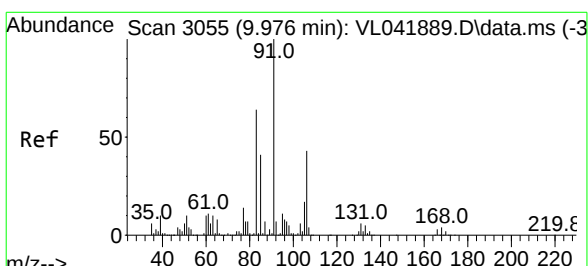
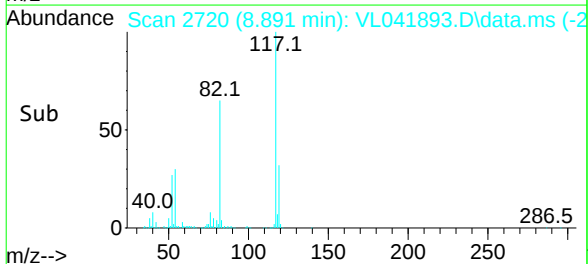
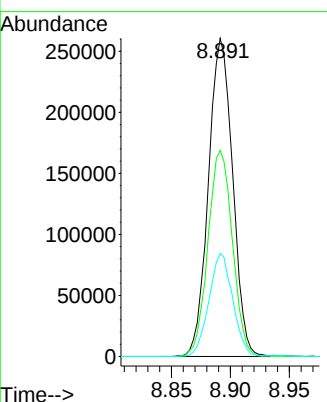
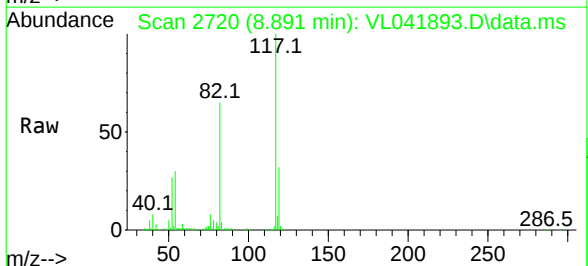
ClientSampleId :

VSTDICC0.1

Tgt Ion:	117	Resp:	372545
Ion Ratio	Lower	Upper	
117	100		
82	65.3	54.2	81.4
119	32.1	25.0	37.6

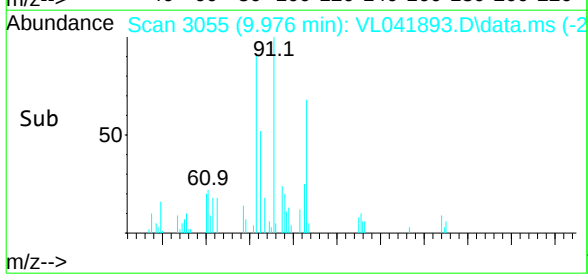
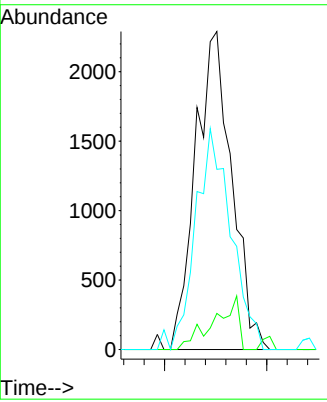
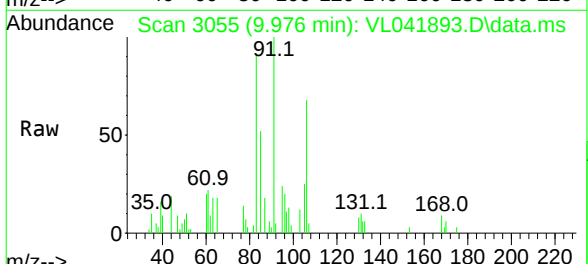
Manual Integrations
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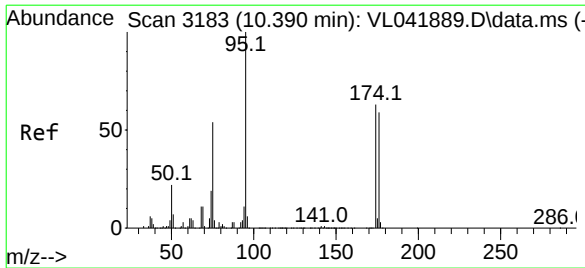
Reviewed By :Semsettin Yesilyurt 01/15/2025
 Supervised By :Mahesh Dadoda 01/15/2025



#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv
 RT: 9.976 min Scan# 3055
 Delta R.T. 0.000 min
 Lab File: VL041893.D
 Acq: 14 Jan 2025 15:01

Tgt Ion:	83	Resp:	2816
Ion Ratio	Lower	Upper	
83	100		
131	12.7	4.8	14.4
85	68.4	32.4	97.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.961 ppbv

RT: 10.387 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041893.D

Acq: 14 Jan 2025 15:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

Tgt Ion: 95 Resp: 292283

Ion Ratio Lower Upper

95 100

174 59.8 49.0 73.4

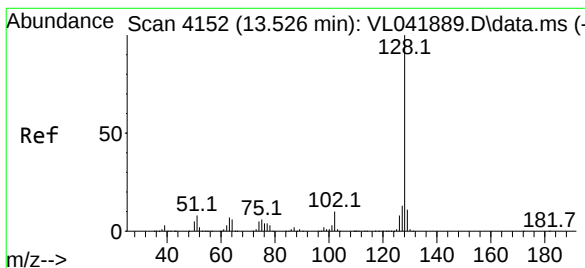
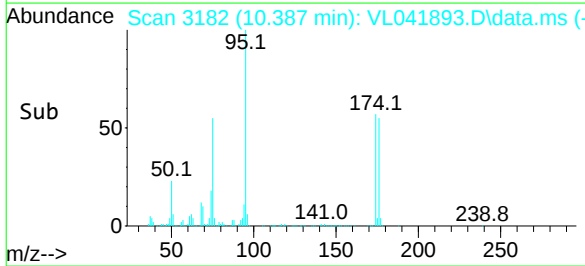
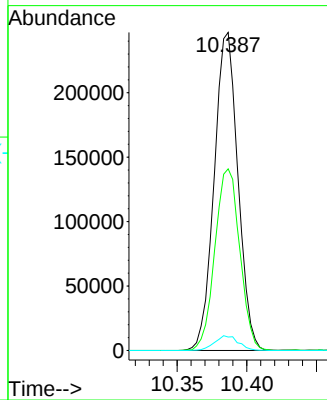
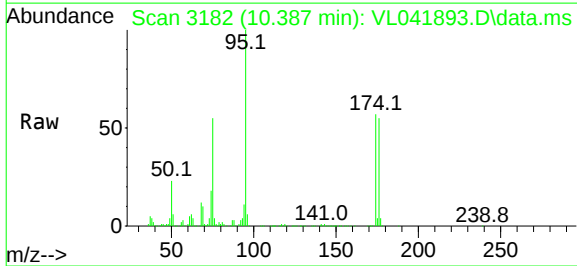
175 4.7 3.8 5.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/15/2025

Supervised By :Mahesh Dadoda 01/15/2025



#79

Naphthalene

Concen: 0.068 ppbv

RT: 13.520 min Scan# 4150

Delta R.T. -0.006 min

Lab File: VL041893.D

Acq: 14 Jan 2025 15:01

Tgt Ion:128 Resp: 3643

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 14.2 9.1 13.7#

