

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040839.D
 Acq On : 13 Nov 2023 13:18
 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 :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:37:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Nov 13 15:18:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1133804	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.639	114	2933318	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2645168	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	0.000	95	0d	0.000	ppbv	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	0.000%#
Target Compounds						
5) Vinyl Chloride	2.928	62	5384	0.080	ppbv #	81
32) 1,1,1-Trichloroethane	5.986	97	16067m	0.089	ppbv	
35) Carbon Tetrachloride	6.484	117	15630	0.093	ppbv #	83
38) Trichloroethene	7.279	130	8321m	0.084	ppbv	
52) Tetrachloroethene	10.587	164	7423m	0.082	ppbv	
54) 1,2-Dibromoethane	9.983	107	11123m	0.086	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	18629m	0.094	ppbv	
79) Naphthalene	21.378	128	6939m	0.031	ppbv	

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

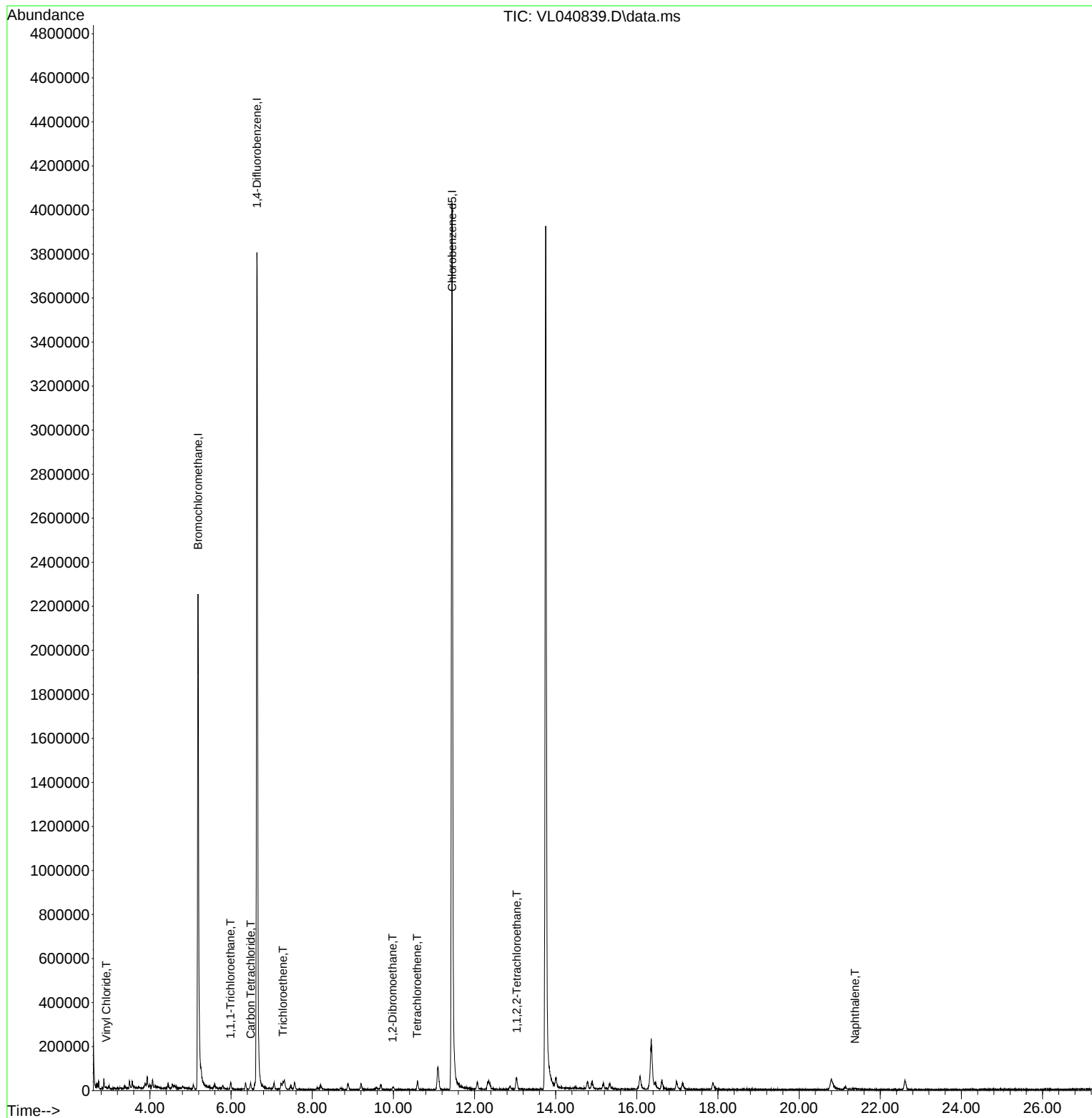
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
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QLast Update : Mon Nov 13 15:18:50 2023
Response via : Initial Calibration





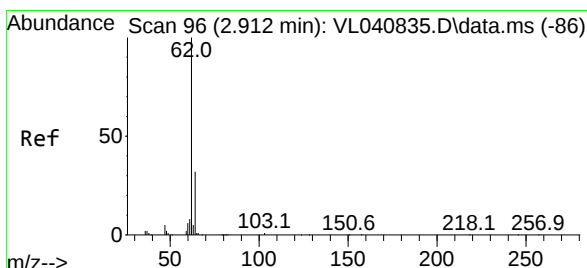
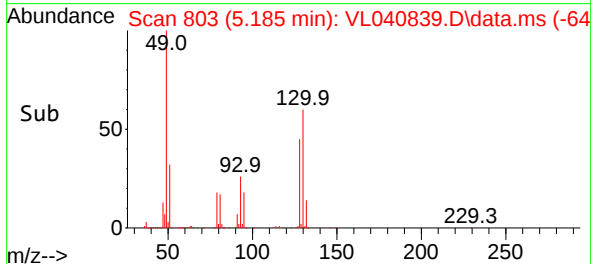
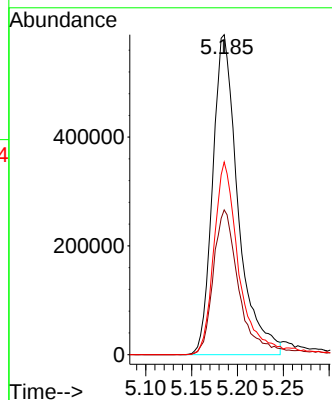
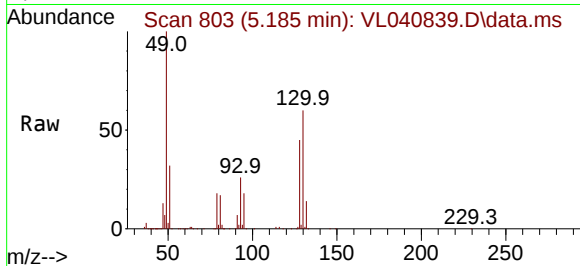
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 1133804
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.2
130 61.4 30.9 92.8

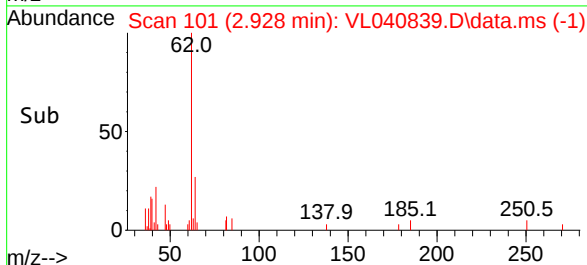
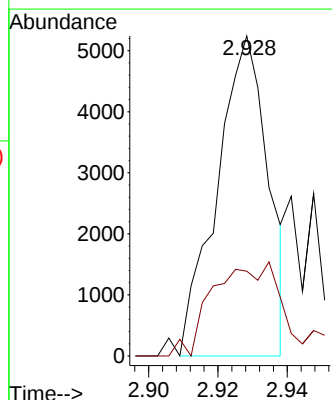
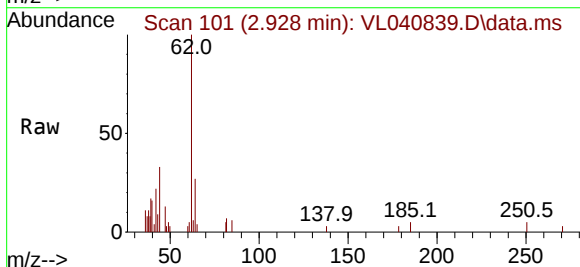
Manual Integrations
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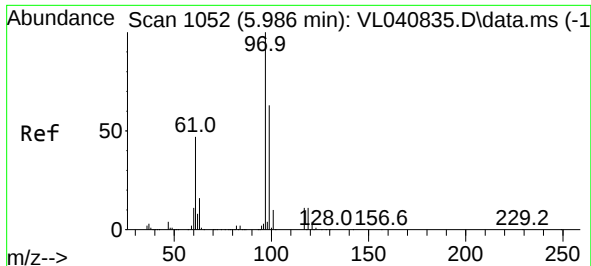
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#5
Vinyl Chloride
Concen: 0.080 ppbv
RT: 2.928 min Scan# 101
Delta R.T. 0.016 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

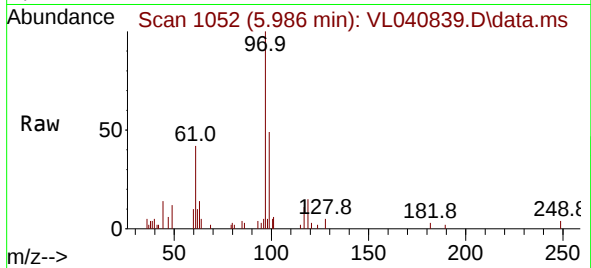
Tgt Ion: 62 Resp: 5384
Ion Ratio Lower Upper
62 100
64 21.3 25.4 38.2#





#32
1,1,1-Trichloroethane
Concen: 0.089 ppbv m
RT: 5.986 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

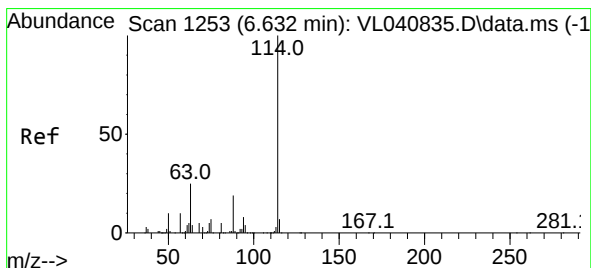
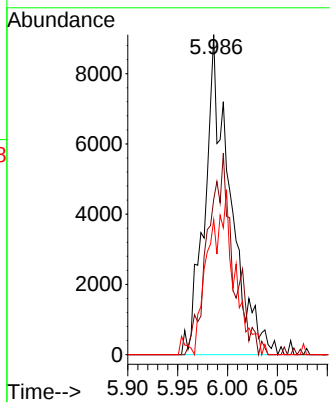
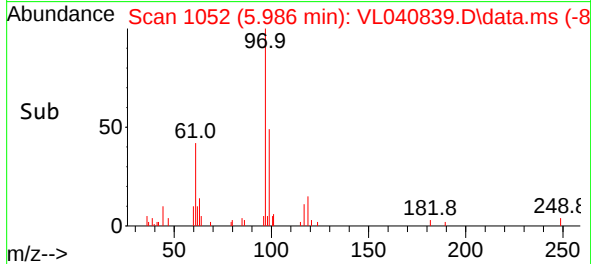
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



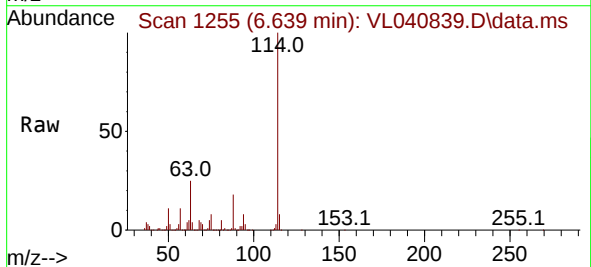
Tgt Ion: 97 Resp: 1606
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.4
61 53.8 41.0 61.4

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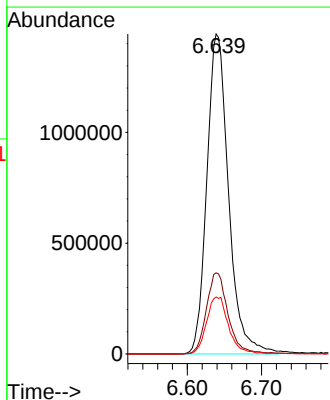
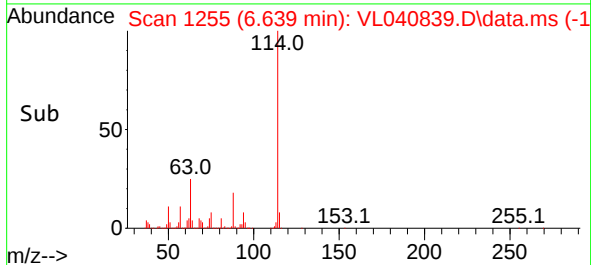
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Supervised By :Semsettin Yesilyurt 11/15/2023

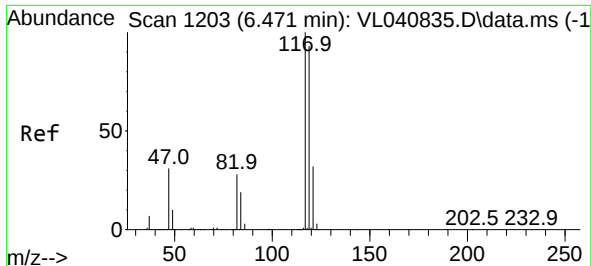


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. 0.007 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18



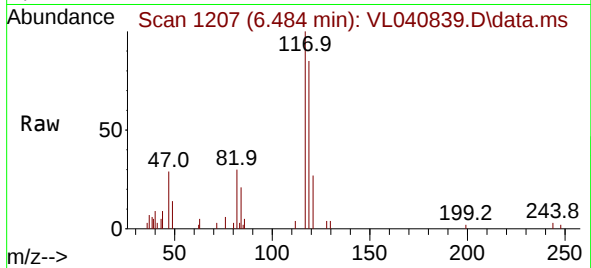
Tgt Ion:114 Resp: 2933318
Ion Ratio Lower Upper
114 100
63 25.6 20.7 31.1
88 18.2 14.3 21.5





#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 6.484 min Scan# 117
Delta R.T. 0.013 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

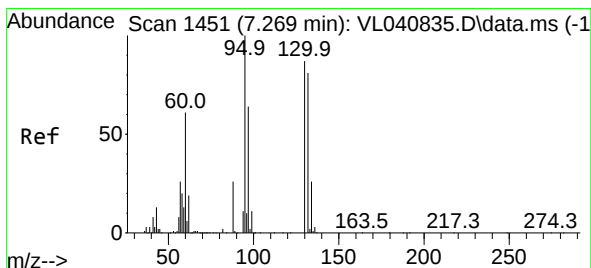
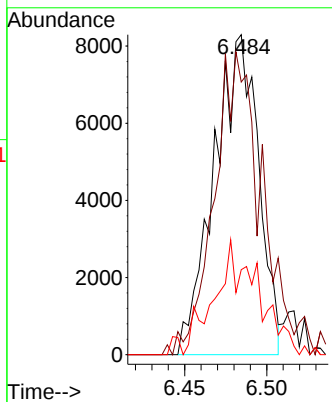
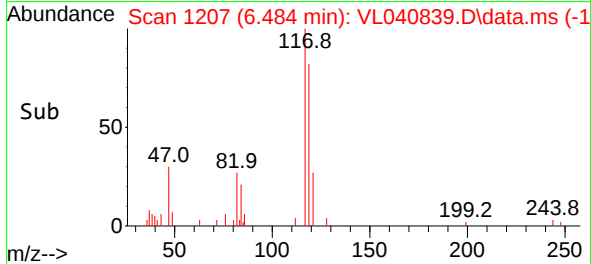
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:117 Resp: 15630
Ion Ratio Lower Upper
117 100
119 78.0 74.7 112.1
121 21.2 25.5 38.3

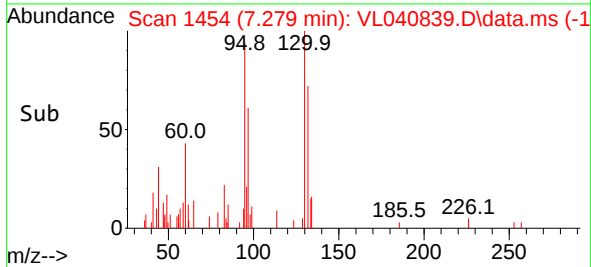
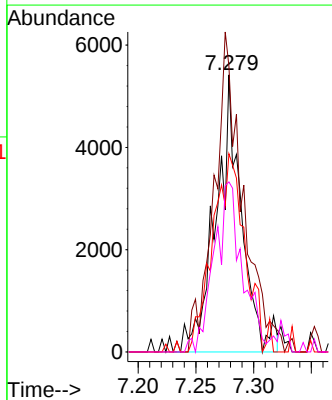
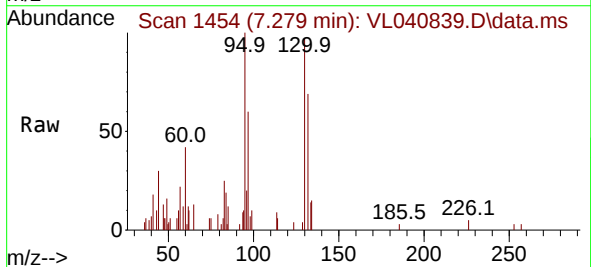
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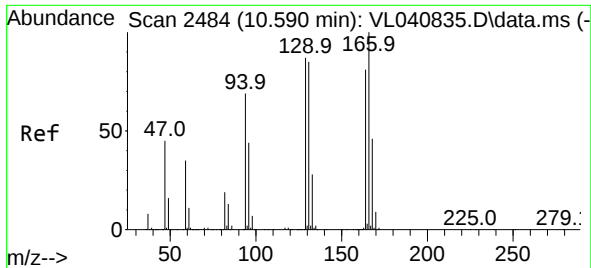
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#38
Trichloroethene
Concen: 0.084 ppbv m
RT: 7.279 min Scan# 1454
Delta R.T. 0.010 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

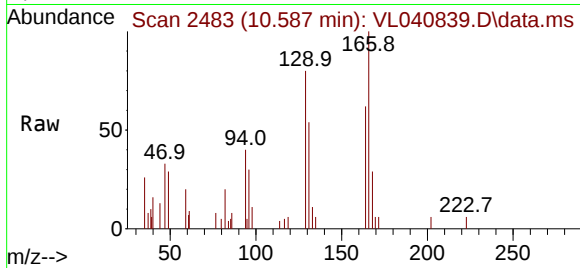
Tgt Ion:130 Resp: 8321
Ion Ratio Lower Upper
130 100
95 103.1 92.4 138.6
132 71.5 75.1 112.7#
97 61.3 59.1 88.7





#52
Tetrachloroethene
Concen: 0.082 ppbv m
RT: 10.587 min Scan# 2483
Delta R.T. -0.003 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

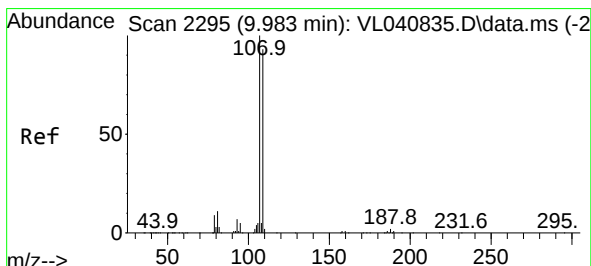
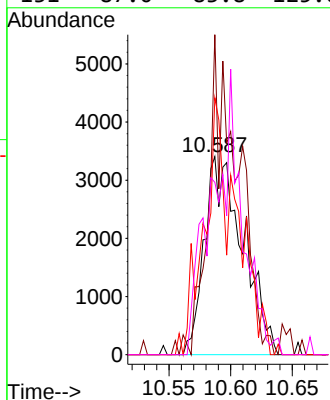
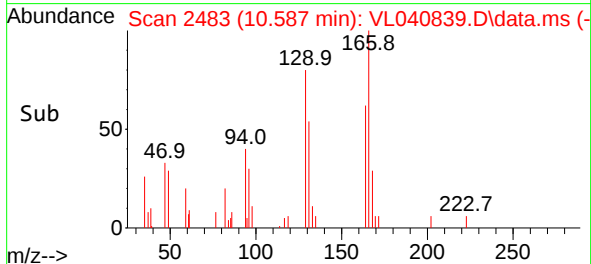
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.1



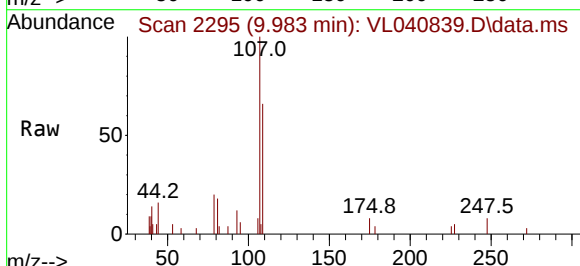
Tgt Ion:164 Resp: 742
Ion Ratio Lower Upper
164 100
166 161.6 98.3 147.5
129 129.8 85.1 127.7
131 87.0 83.8 125.6

Manual Integrations
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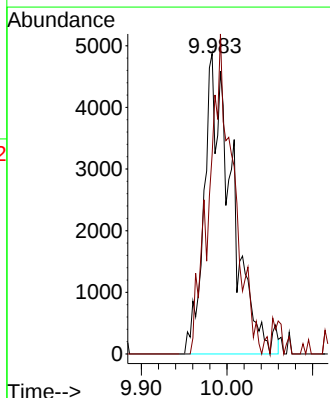
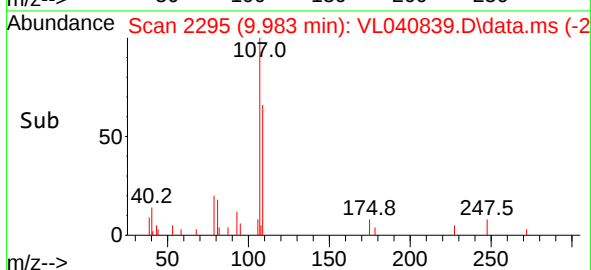
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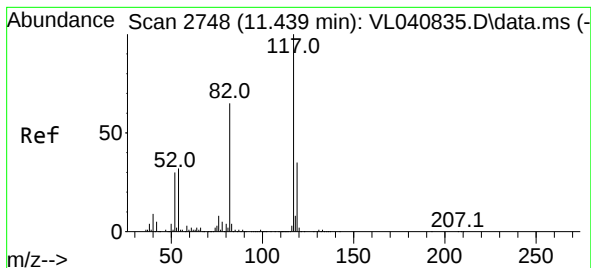


#54
1,2-Dibromoethane
Concen: 0.086 ppbv m
RT: 9.983 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18



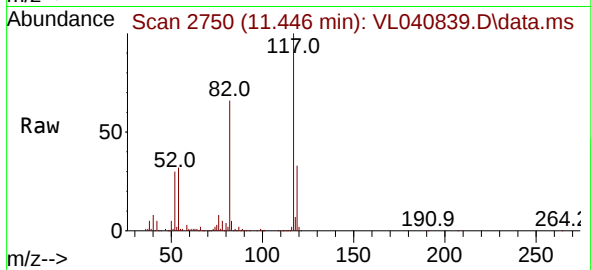
Tgt Ion:107 Resp: 11123
Ion Ratio Lower Upper
107 100
109 66.3 74.5 111.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

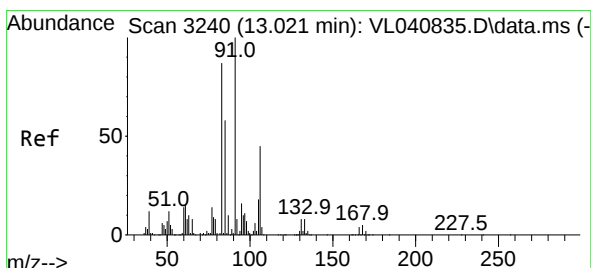
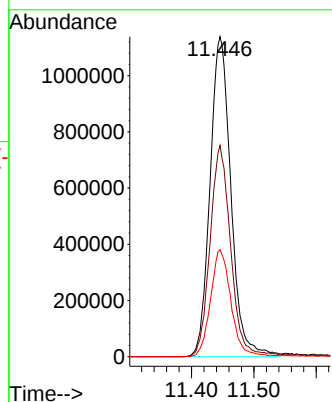
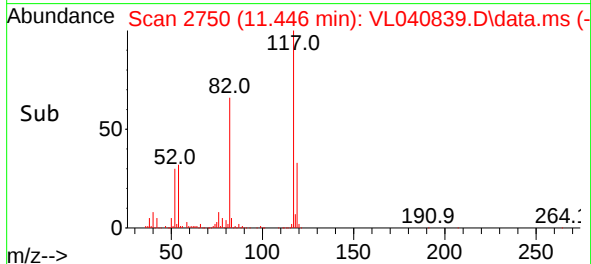
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 117 Resp: 264516
Ion Ratio Lower Upper
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82 66.4 50.6 75.8
119 33.2 23.3 34.9

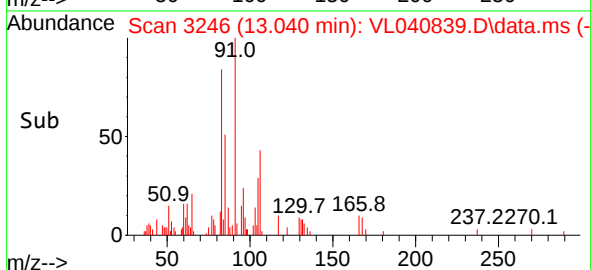
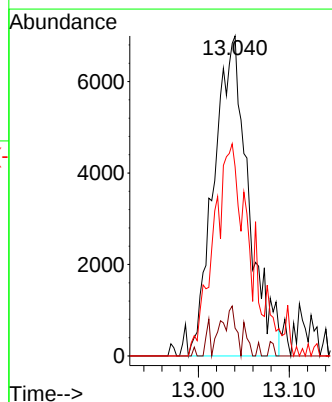
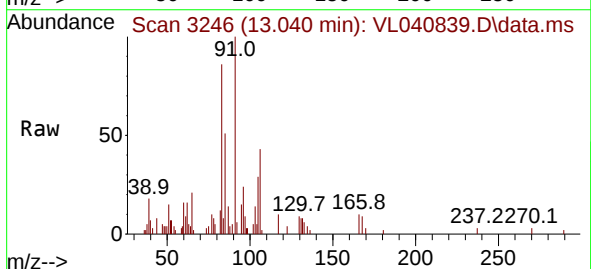
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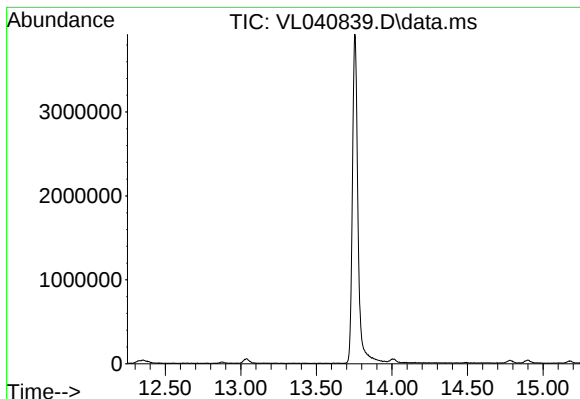
Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.094 ppbv m
RT: 13.040 min Scan# 3246
Delta R.T. 0.019 min
Lab File: VL040839.D
Acq: 13 Nov 2023 13:18

Tgt Ion: 83 Resp: 18629
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8#
85 0.0 32.6 98.0#





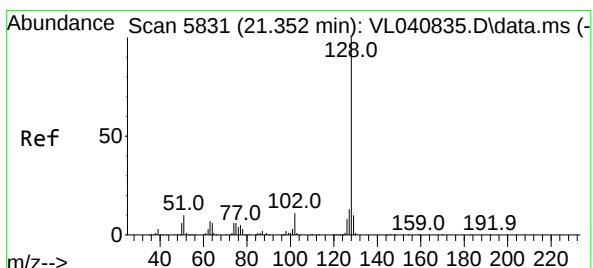
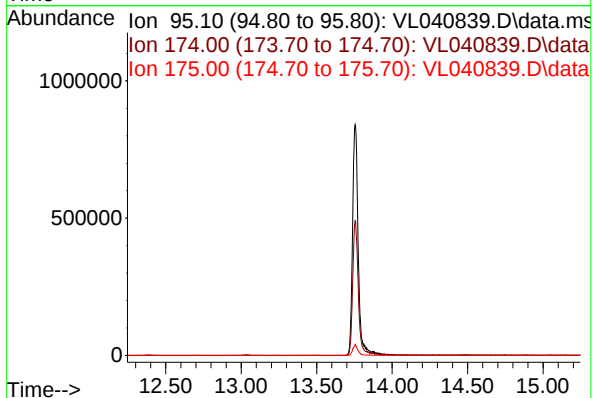
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 1-Bromo-4-Fluorobenzene
 Concen: 0.000 ppbv
 Expected RT: 13.75 min
 Lab File: VL040839.D
 Acq: 13 Nov 2023 13:18

Instrument :
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 ClientSampleId :
 VSTDICC0.1

Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 59.9
 175 4.5

Manual Integrations
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 Supervised By :Semsettin Yesilyurt 11/15/2023



#79
 Naphthalene
 Concen: 0.031 ppbv m
 RT: 21.378 min Scan# 5839
 Delta R.T. 0.026 min
 Lab File: VL040839.D
 Acq: 13 Nov 2023 13:18

Tgt Ion:128 Resp: 6939
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 9.5 8.3 12.5

