

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040687.D
 Acq On : 14 Sep 2023 16:24
 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 09/15/2023
 Supervised By : Mahesh Dadoda 09/15/2023

Quant Time: Sep 14 17:07:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 14 16:39:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1098980	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2964691	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2455648	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1920115	9.832	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.912	62	7864m	0.105	ppbv	
32) 1,1,1-Trichloroethane	5.986	97	19976m	0.108	ppbv	
35) Carbon Tetrachloride	6.481	117	18160m	0.098	ppbv	
38) Trichloroethene	7.275	130	6818m	0.075	ppbv	
52) Tetrachloroethene	10.600	164	5631m	0.076	ppbv	
54) 1,2-Dibromoethane	10.002	107	9365m	0.073	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	16806m	0.088	ppbv	
79) Naphthalene	21.384	128	7921m	0.040	ppbv	

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

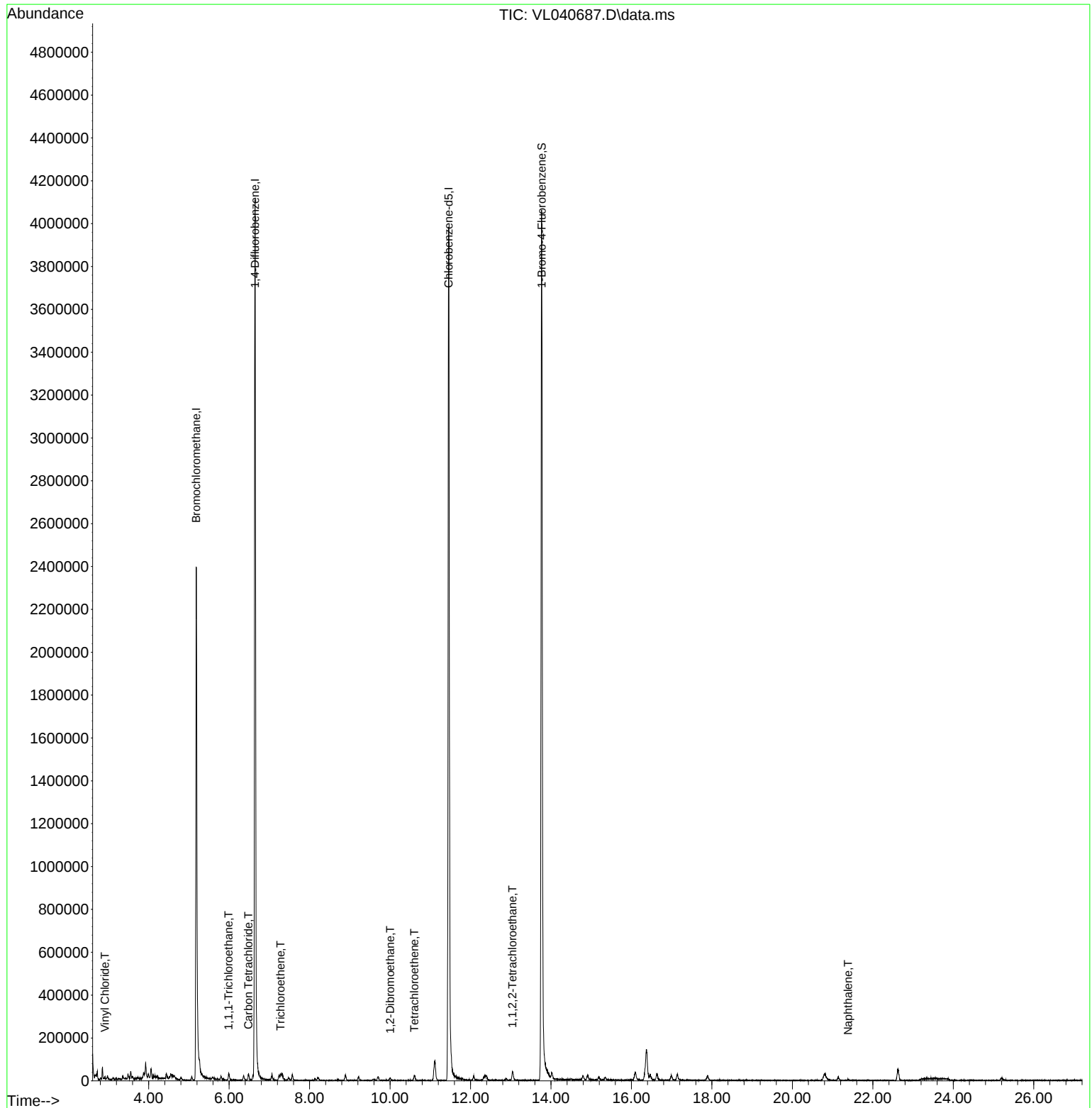
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
Data File : VL040687.D
Acq On : 14 Sep 2023 16:24
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

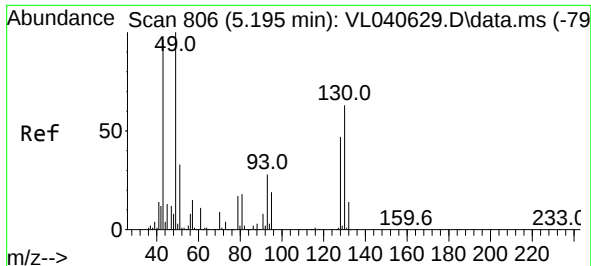
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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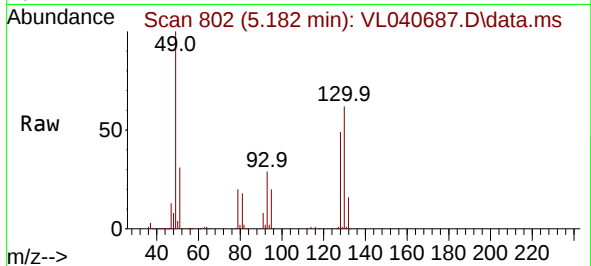
Quant Time: Sep 14 17:07:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Sep 14 16:39:04 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

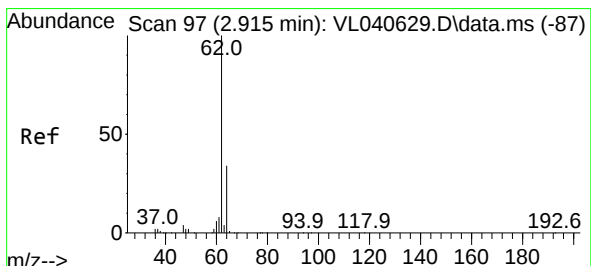
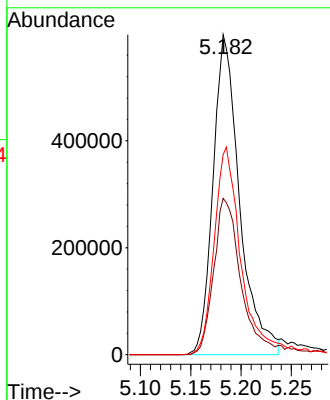
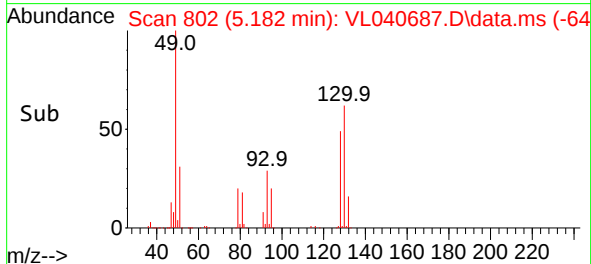
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 1098980
Ion Ratio Lower Upper
49 100
128 53.0 25.4 76.0
130 68.6 32.3 96.8

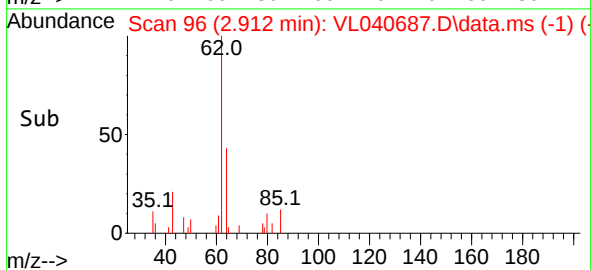
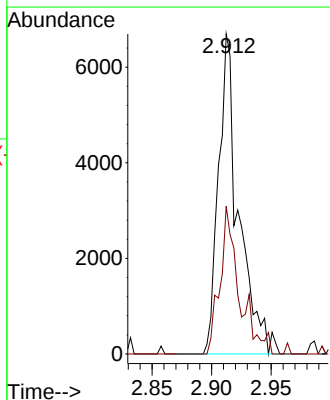
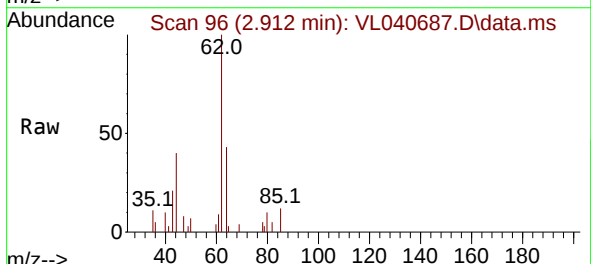
Manual Integrations
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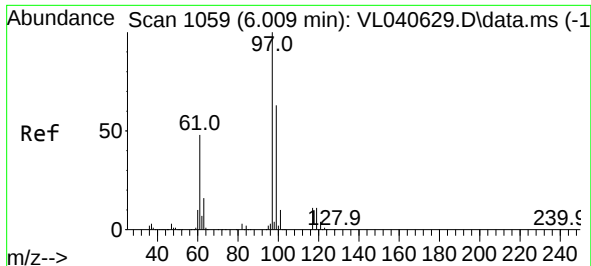
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#5
Vinyl Chloride
Concen: 0.105 ppbv m
RT: 2.912 min Scan# 96
Delta R.T. 0.003 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

Tgt Ion: 62 Resp: 7864
Ion Ratio Lower Upper
62 100
64 42.8 27.2 40.8#





#32

1,1,1-Trichloroethane

Concen: 0.108 ppbv m

RT: 5.986 min Scan# 1052

Delta R.T. -0.010 min

Lab File: VL040687.D

Acq: 14 Sep 2023 16:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

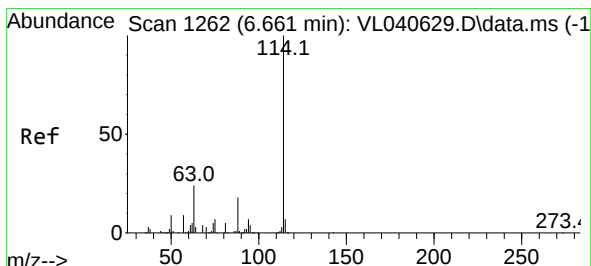
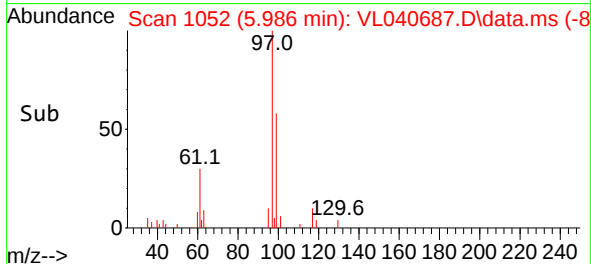
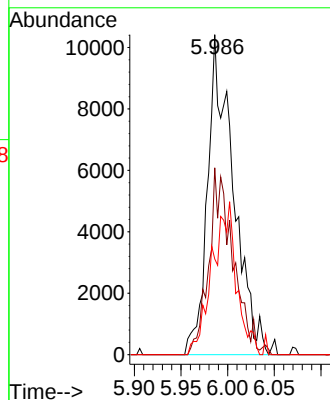
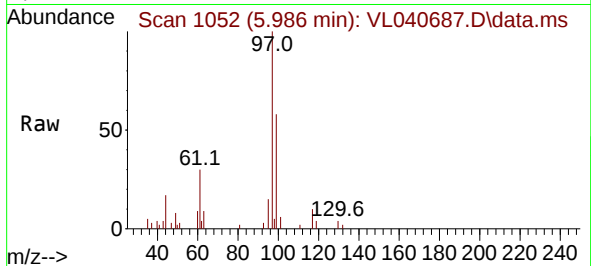
Tgt Ion: 97 Resp: 19970

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6
61	45.5	40.2	60.4

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Supervised By :Mahesh Dadoda 09/15/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

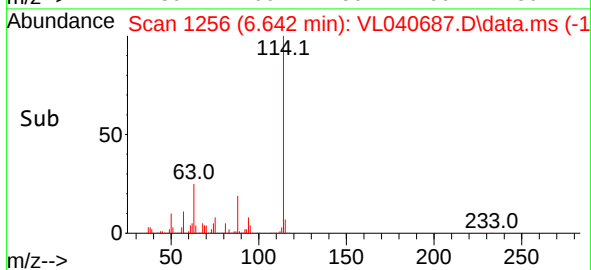
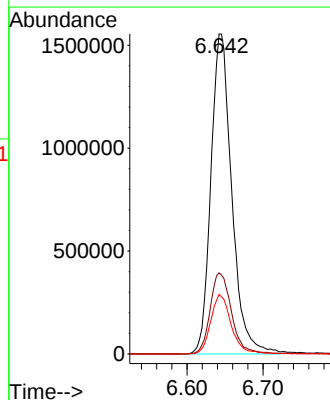
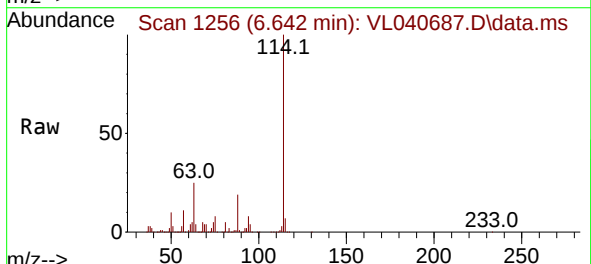
Delta R.T. -0.003 min

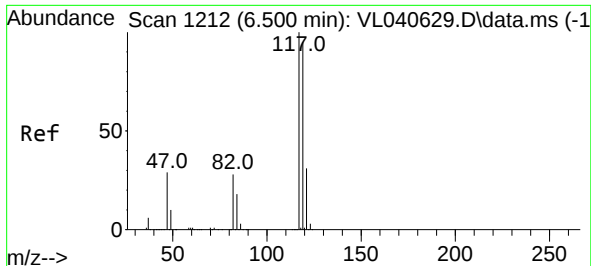
Lab File: VL040687.D

Acq: 14 Sep 2023 16:24

Tgt Ion:114 Resp: 2964691

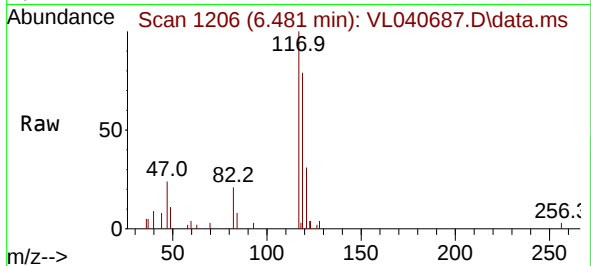
Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.1	31.7
88	18.3	14.5	21.7





#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 6.481 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

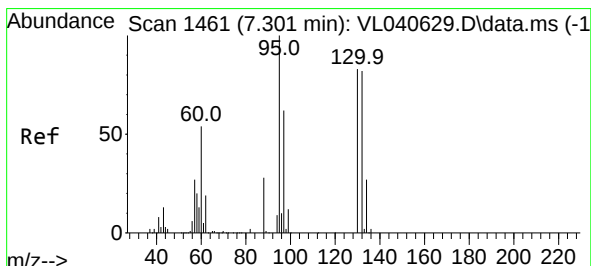
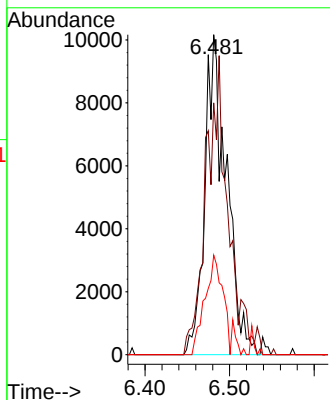
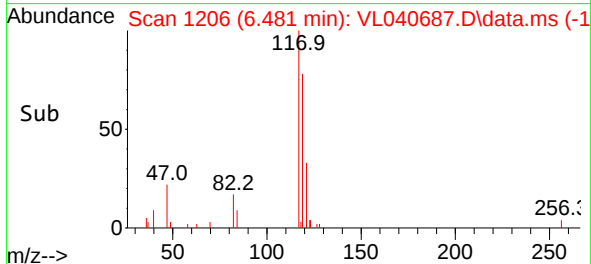
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:117 Resp: 1816
Ion Ratio Lower Upper
117 100
119 78.7 78.6 117.8
121 31.1 24.7 37.1

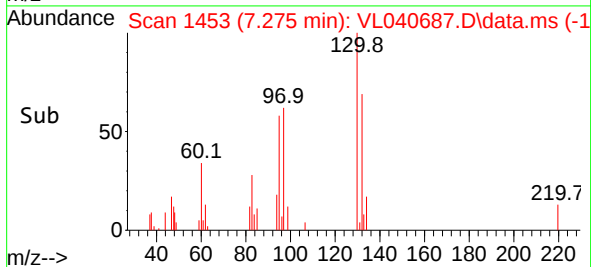
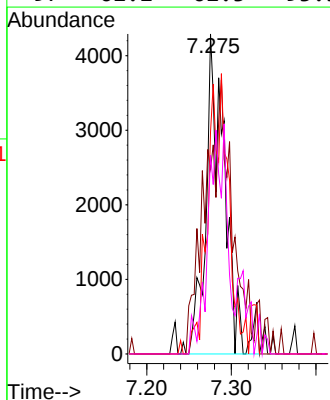
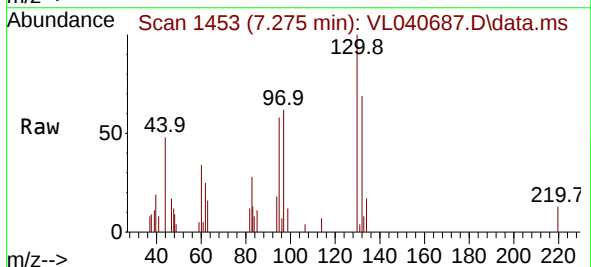
Manual Integrations
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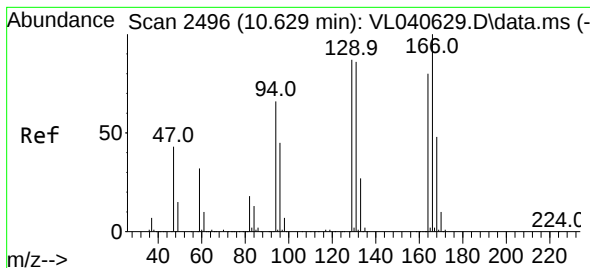
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#38
Trichloroethene
Concen: 0.075 ppbv m
RT: 7.275 min Scan# 1453
Delta R.T. -0.010 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

Tgt Ion:130 Resp: 6818
Ion Ratio Lower Upper
130 100
95 57.7 91.9 137.9#
132 69.3 77.3 115.9#
97 62.2 62.3 93.5#





#52

Tetrachloroethene

Concen: 0.076 ppbv m

RT: 10.600 min Scan# 2496

Delta R.T. -0.010 min

Lab File: VL040687.D

Acq: 14 Sep 2023 16:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

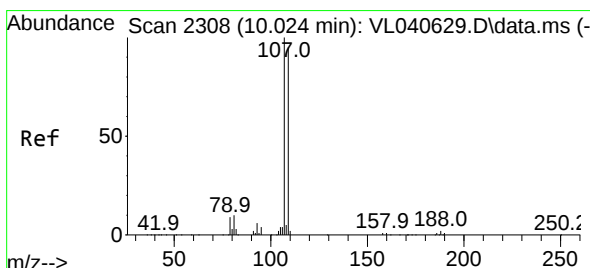
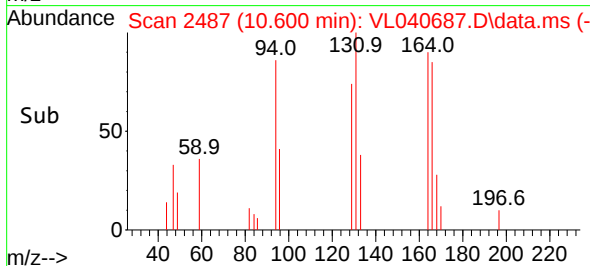
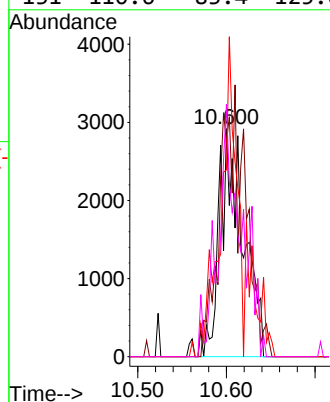
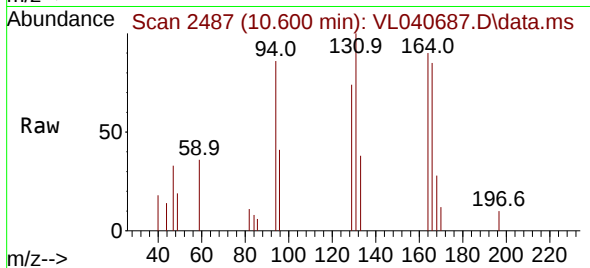
Tgt Ion:164	Resp:	563
Ion Ratio	Lower	Upper
164	100	
166	93.7	103.4 155.2
129	81.9	83.5 125.3
131	110.6	83.4 125.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#54

1,2-Dibromoethane

Concen: 0.073 ppbv m

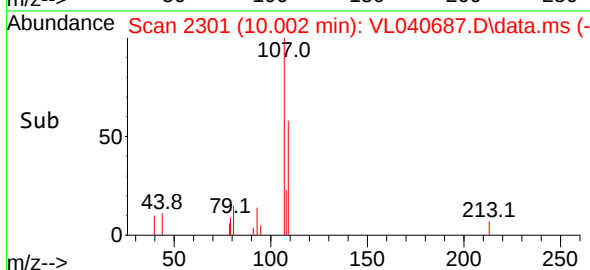
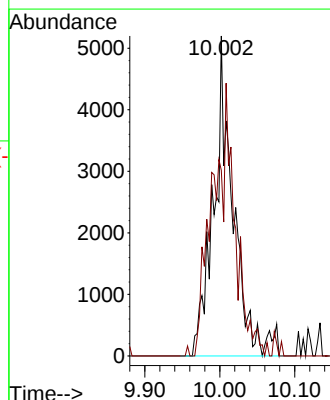
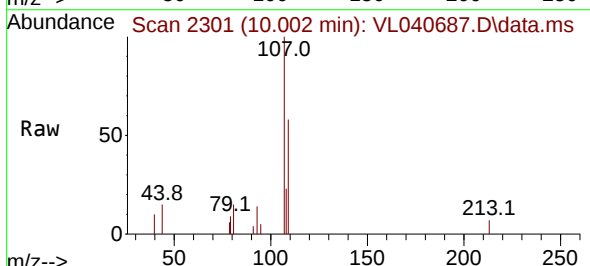
RT: 10.002 min Scan# 2301

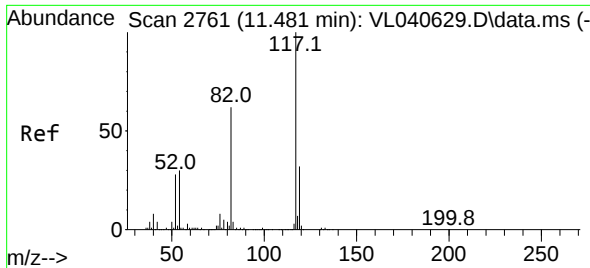
Delta R.T. 0.000 min

Lab File: VL040687.D

Acq: 14 Sep 2023 16:24

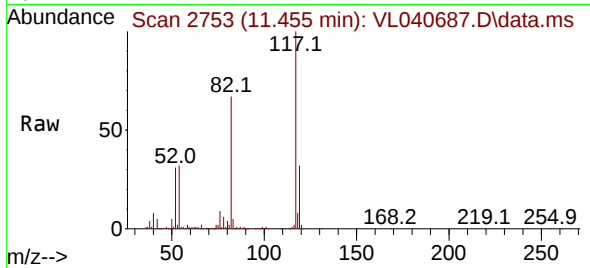
Tgt Ion:107	Resp:	9365
Ion Ratio	Lower	Upper
107	100	
109	58.0	72.4 108.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

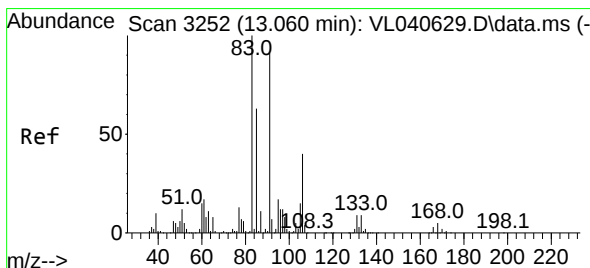
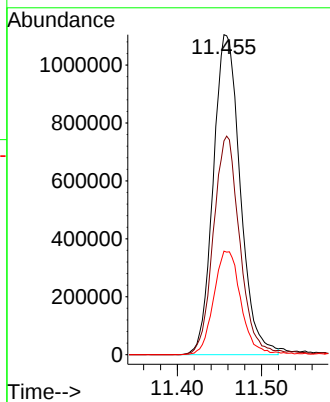
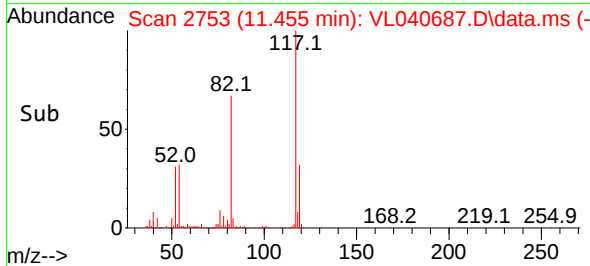
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 245564
Ion Ratio Lower Upper
117 100
82 68.4 51.4 77.0
119 33.1 24.7 37.1

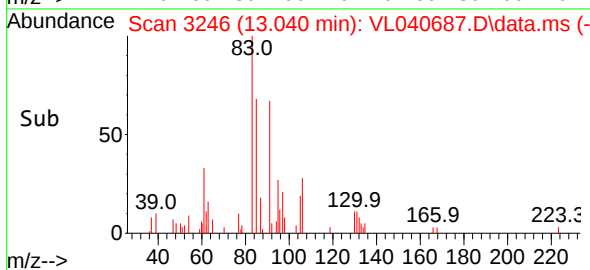
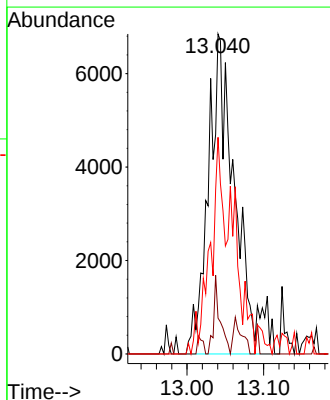
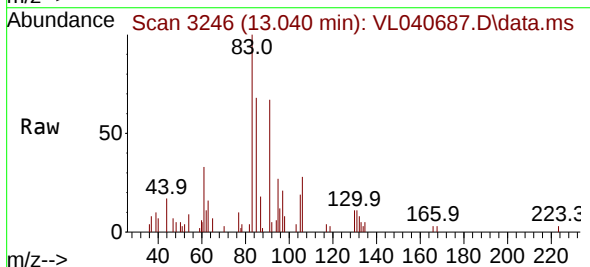
Manual Integrations
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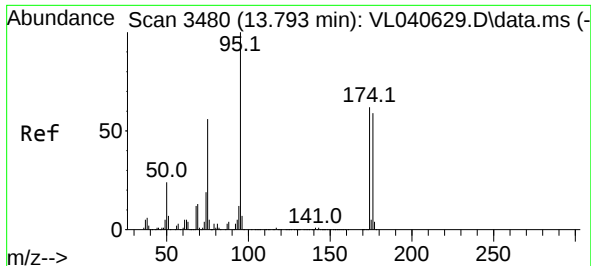
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.088 ppbv m
RT: 13.040 min Scan# 3246
Delta R.T. 0.000 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

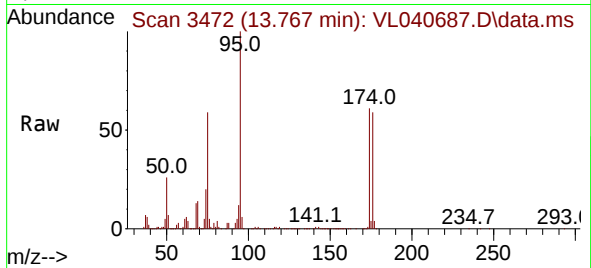
Tgt Ion: 83 Resp: 16806
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 33.1 99.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.832 ppbv
RT: 13.767 min Scan# 3480
Delta R.T. -0.003 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24

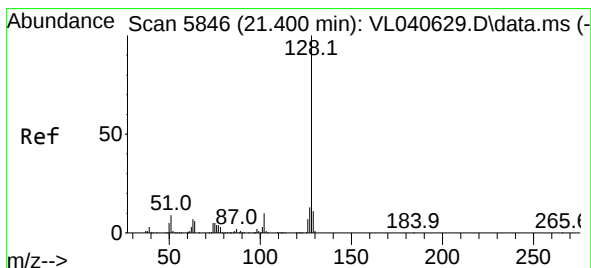
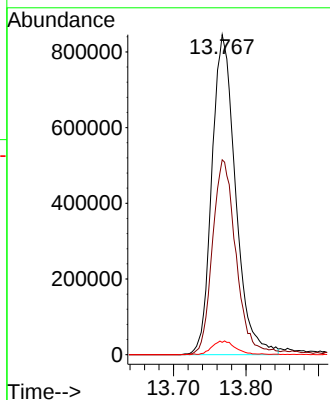
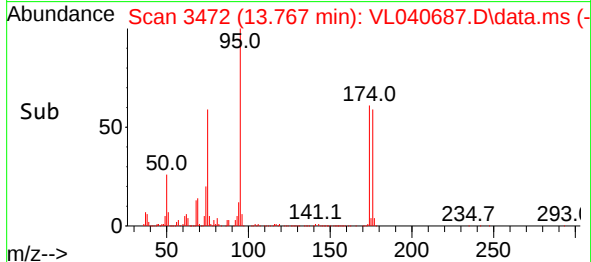
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



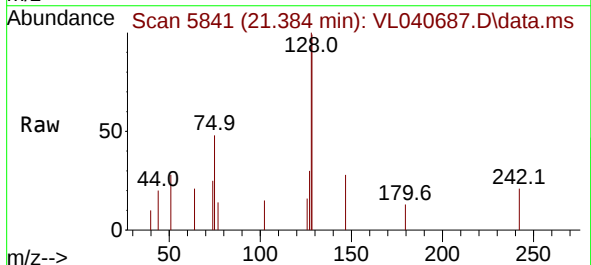
Tgt Ion: 95 Resp: 192011
Ion Ratio Lower Upper
95 100
174 62.6 48.9 73.3
175 4.4 3.5 5.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#79
Naphthalene
Concen: 0.040 ppbv m
RT: 21.384 min Scan# 5841
Delta R.T. 0.007 min
Lab File: VL040687.D
Acq: 14 Sep 2023 16:24



Tgt Ion:128 Resp: 7921
Ion Ratio Lower Upper
128 100
127 29.6 9.8 14.6#
129 0.0 8.4 12.6#

