

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040919.D
 Acq On : 20 Dec 2023 14:17
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:11:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1249503	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3035543	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2603299	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1934033	10.086	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.928	62	1844m	0.029	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	5502m	0.030	ppbv	
35) Carbon Tetrachloride	6.484	117	5419m	0.028	ppbv	
38) Trichloroethene	7.272	130	2804m	0.031	ppbv	
52) Tetrachloroethene	10.584	164	2169m	0.027	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.031	83	5832m	0.030	ppbv	

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

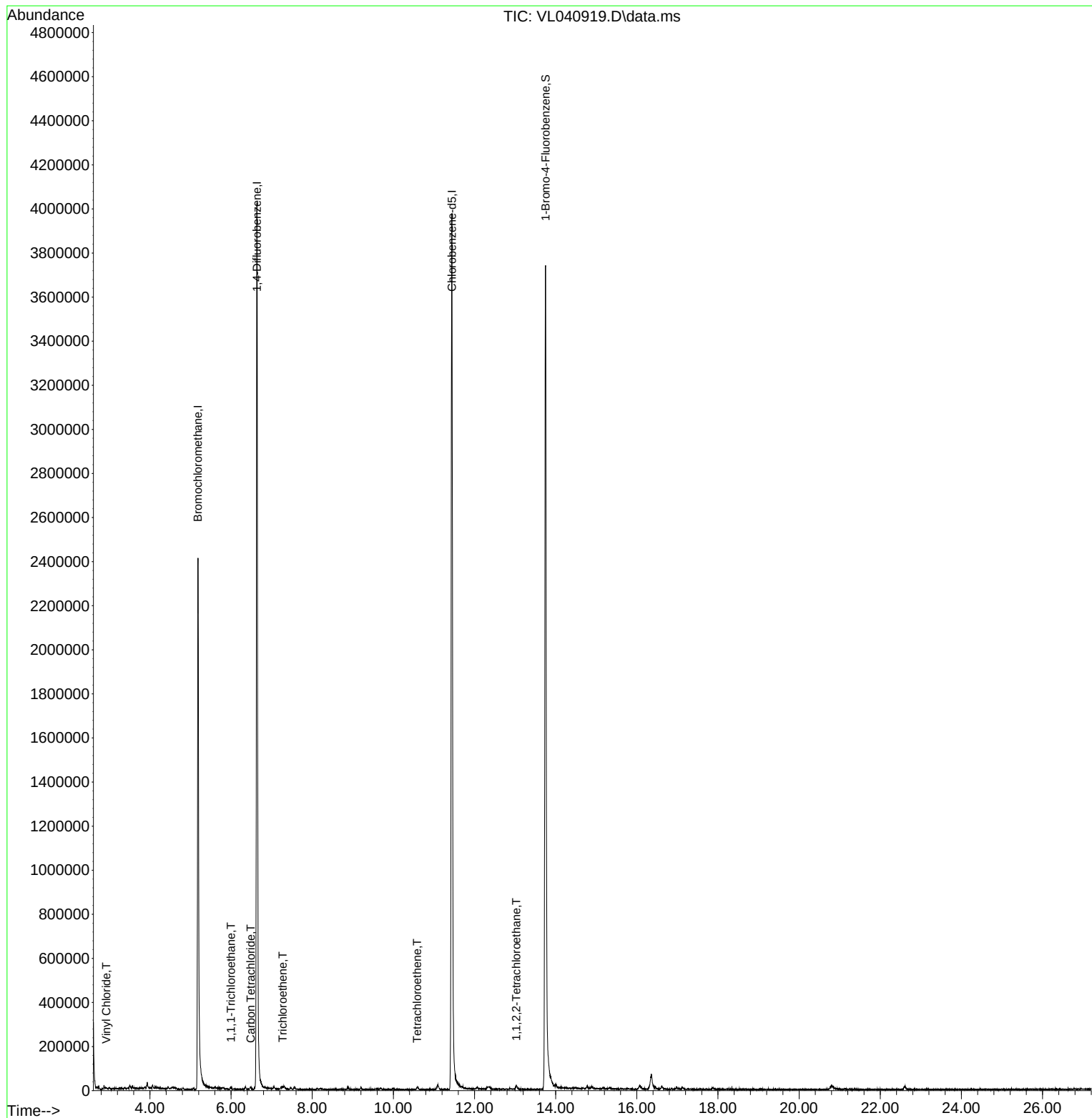
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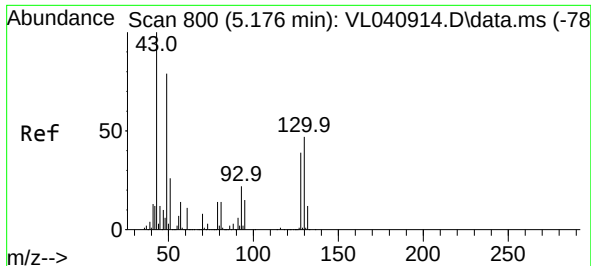
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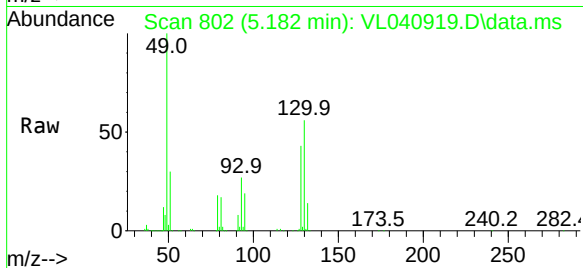
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

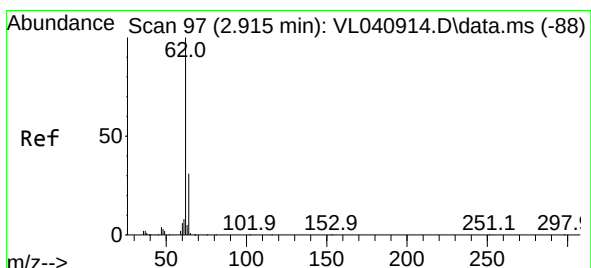
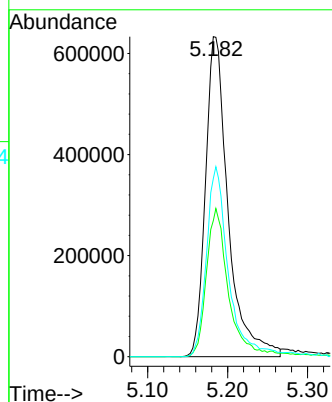
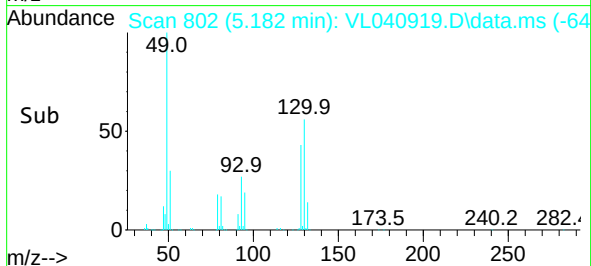
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



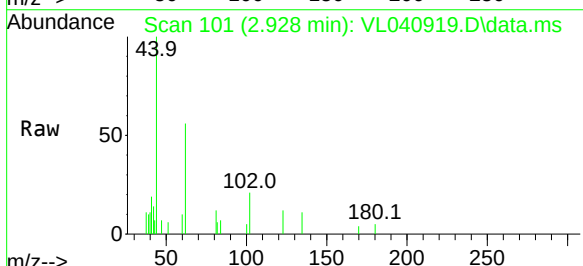
Tgt Ion: 49 Resp: 124950
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.2
130 58.4 30.1 90.5

Manual Integrations
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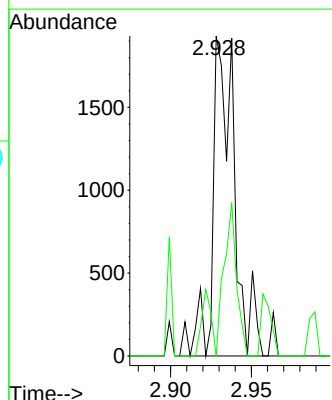
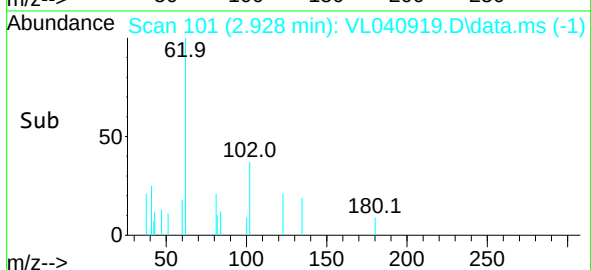
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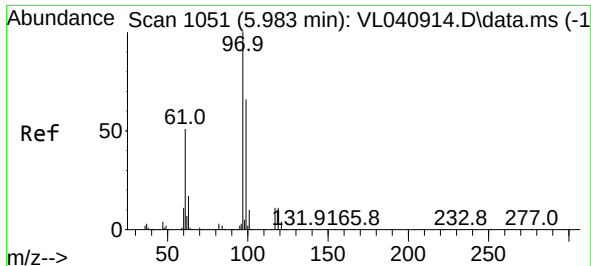


#5
Vinyl Chloride
Concen: 0.029 ppbv m
RT: 2.928 min Scan# 101
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17



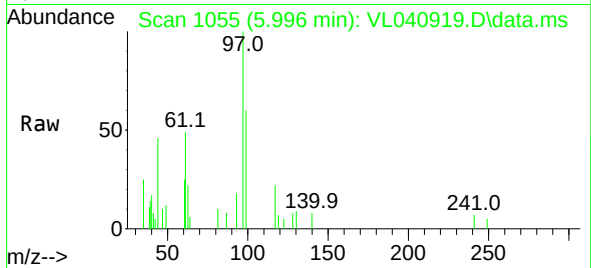
Tgt Ion: 62 Resp: 1844
Ion Ratio Lower Upper
62 100
64 0.0 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.030 ppbv m
RT: 5.996 min Scan# 1055
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

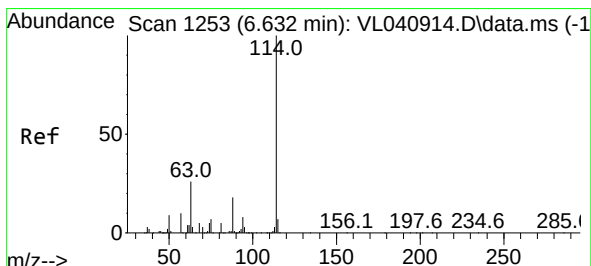
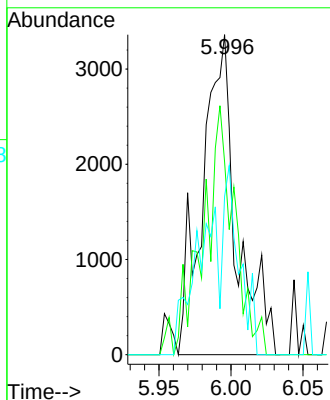
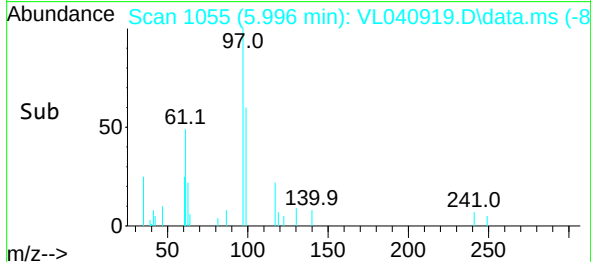
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



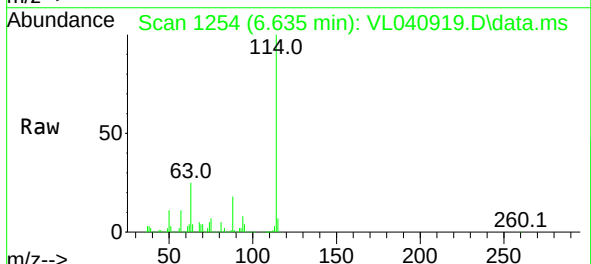
Tgt Ion: 97 Resp: 5502
Ion Ratio Lower Upper
97 100
99 73.3 51.8 77.6
61 59.9 41.0 61.6

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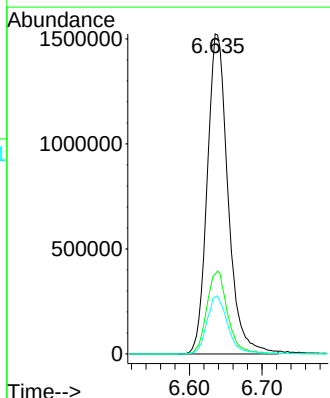
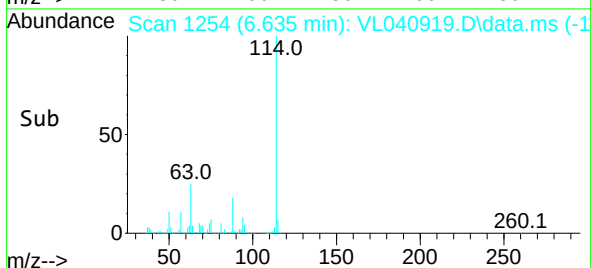
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Supervised By :Mahesh Dadoda 12/21/2023

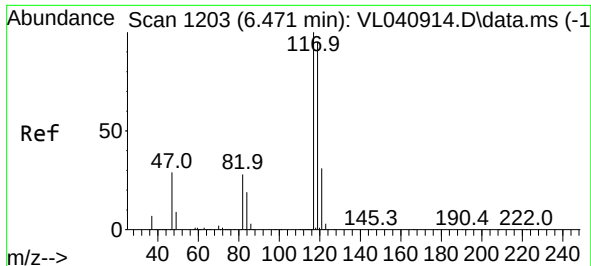


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17



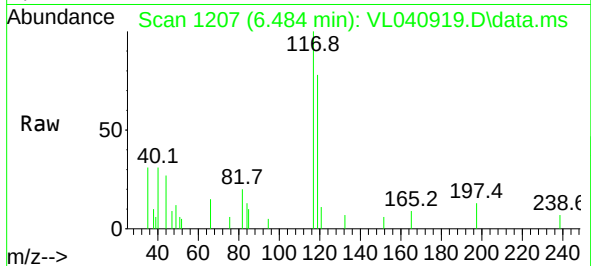
Tgt Ion:114 Resp: 3035543
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.2 14.3 21.5





#35
Carbon Tetrachloride
Concen: 0.028 ppbv m
RT: 6.484 min Scan# 117
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

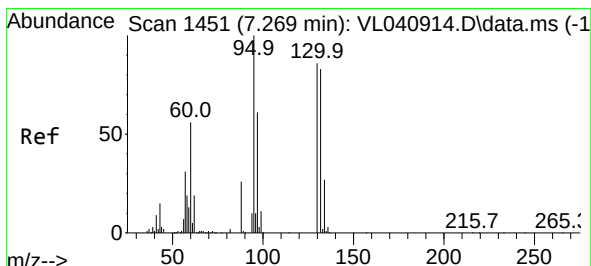
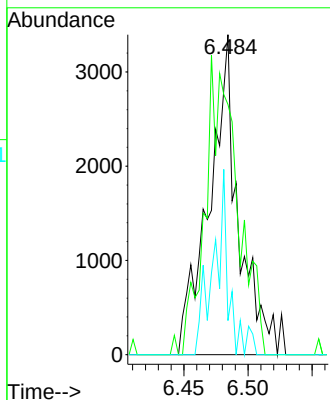
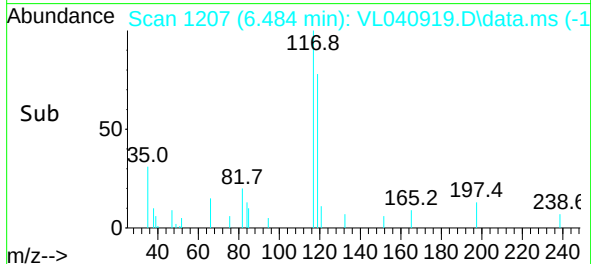
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



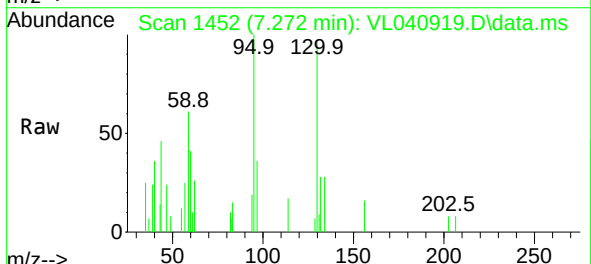
Tgt Ion:117 Resp: 5419
Ion Ratio Lower Upper
117 100
119 78.2 76.3 114.5
121 10.7 24.9 37.3

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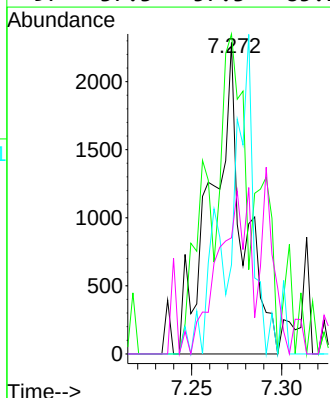
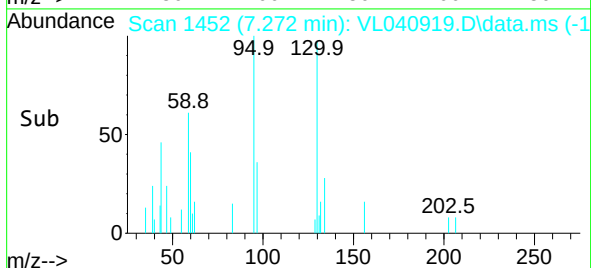
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Supervised By :Mahesh Dadoda 12/21/2023

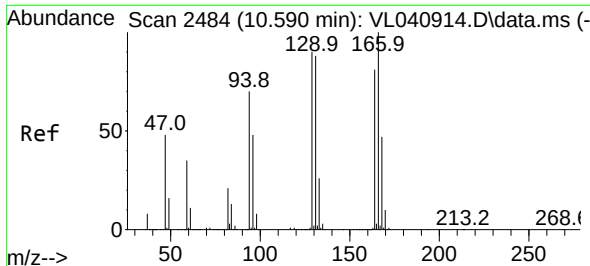


#38
Trichloroethene
Concen: 0.031 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17



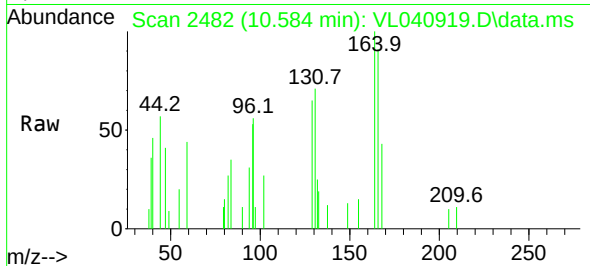
Tgt Ion:130 Resp: 2804
Ion Ratio Lower Upper
130 100
95 102.8 93.5 140.3
132 28.6 77.4 116.2#
97 37.3 57.3 85.9#





#52
Tetrachloroethene
Concen: 0.027 ppbv m
RT: 10.584 min Scan# 2484
Delta R.T. -0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

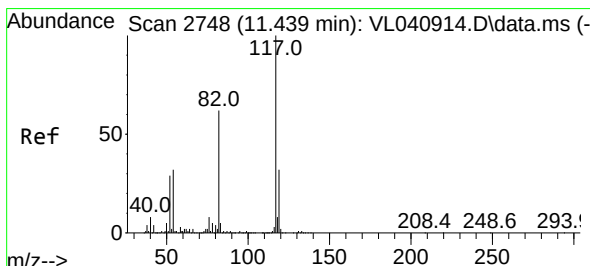
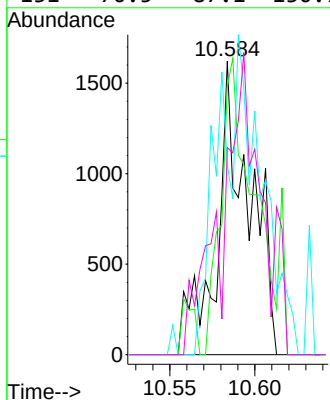
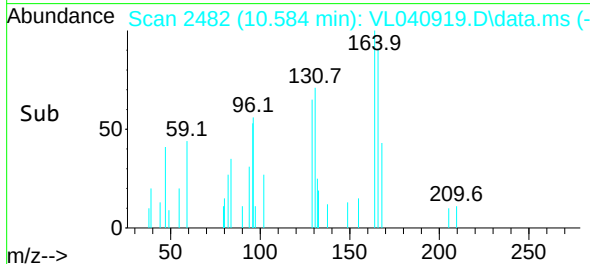
Instrument :
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ClientSampleId :
VSTDICC0.03



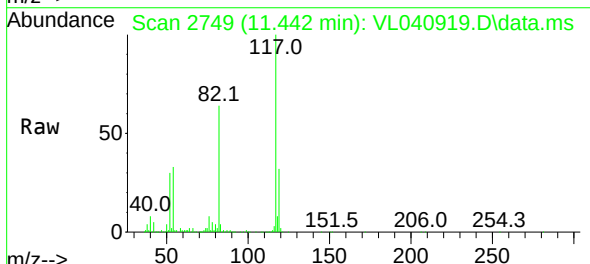
Tgt Ion:164 Resp: 2169
Ion Ratio Lower Upper
164 100
166 91.2 98.9 148.3
129 64.5 88.7 133.1
131 70.5 87.1 130.7#

Manual Integrations
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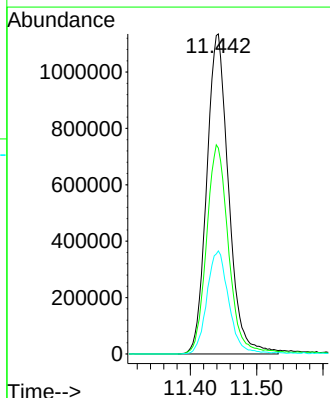
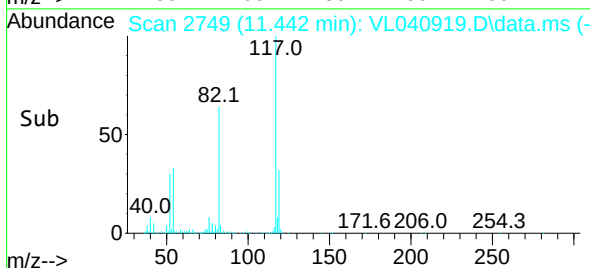
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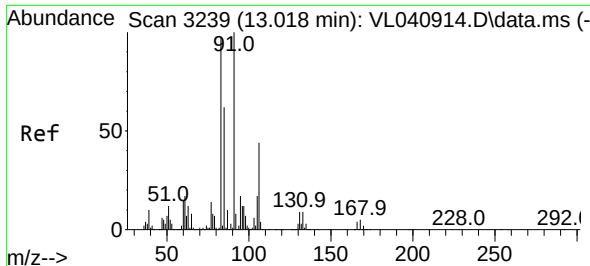


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17



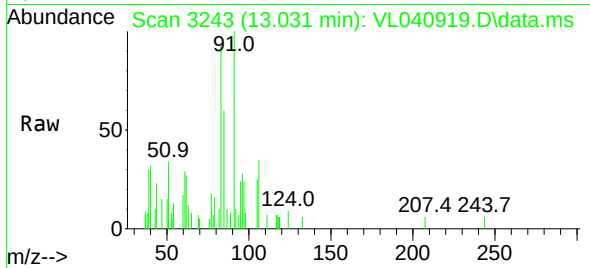
Tgt Ion:117 Resp: 2603299
Ion Ratio Lower Upper
117 100
82 66.9 49.6 74.4
119 32.6 23.4 35.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.030 ppbv m
RT: 13.031 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

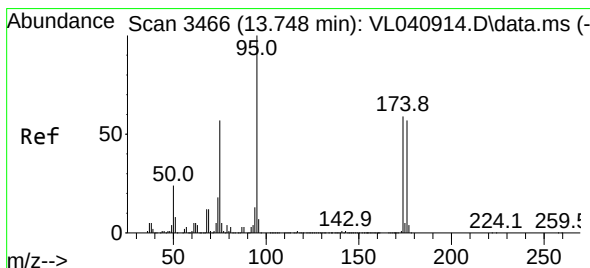
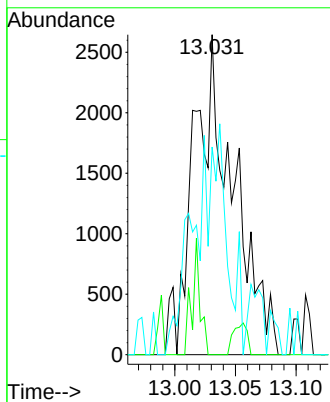
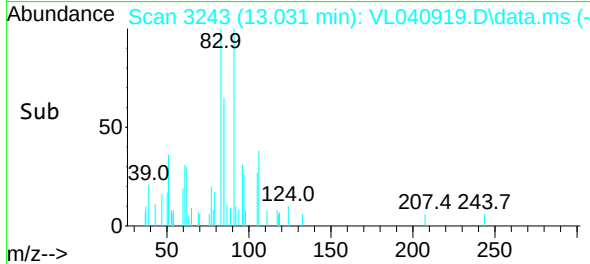
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Tgt Ion: 83 Resp: 583
Ion Ratio Lower Upper
83 100
131 7.6 4.7 14.0
85 0.0 32.6 98.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 95 Resp: 1934033
Ion Ratio Lower Upper
95 100
174 61.0 48.0 72.0
175 4.5 3.7 5.5

