

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038706.D
 Acq On : 23 Mar 2022 5:38
 Operator : SY/AP
 Sample : N2048-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P93DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 07:09:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 23 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	803913	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2227528	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	1988310	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1458253	9.566	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
13) Ethanol	3.600	45	16196m	3.582	ppbv	
15) Acetone	3.848	43	91626	1.321	ppbv	90
20) Methylene Chloride	4.333	84	16173m	0.554	ppbv	
26) Hexane	5.668	57	12973	0.166	ppbv #	42
34) 2-Butanone	5.243	43	80945m	0.918	ppbv	
52) Tetrachloroethene	11.201	164	1888313	30.015	ppbv	96

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

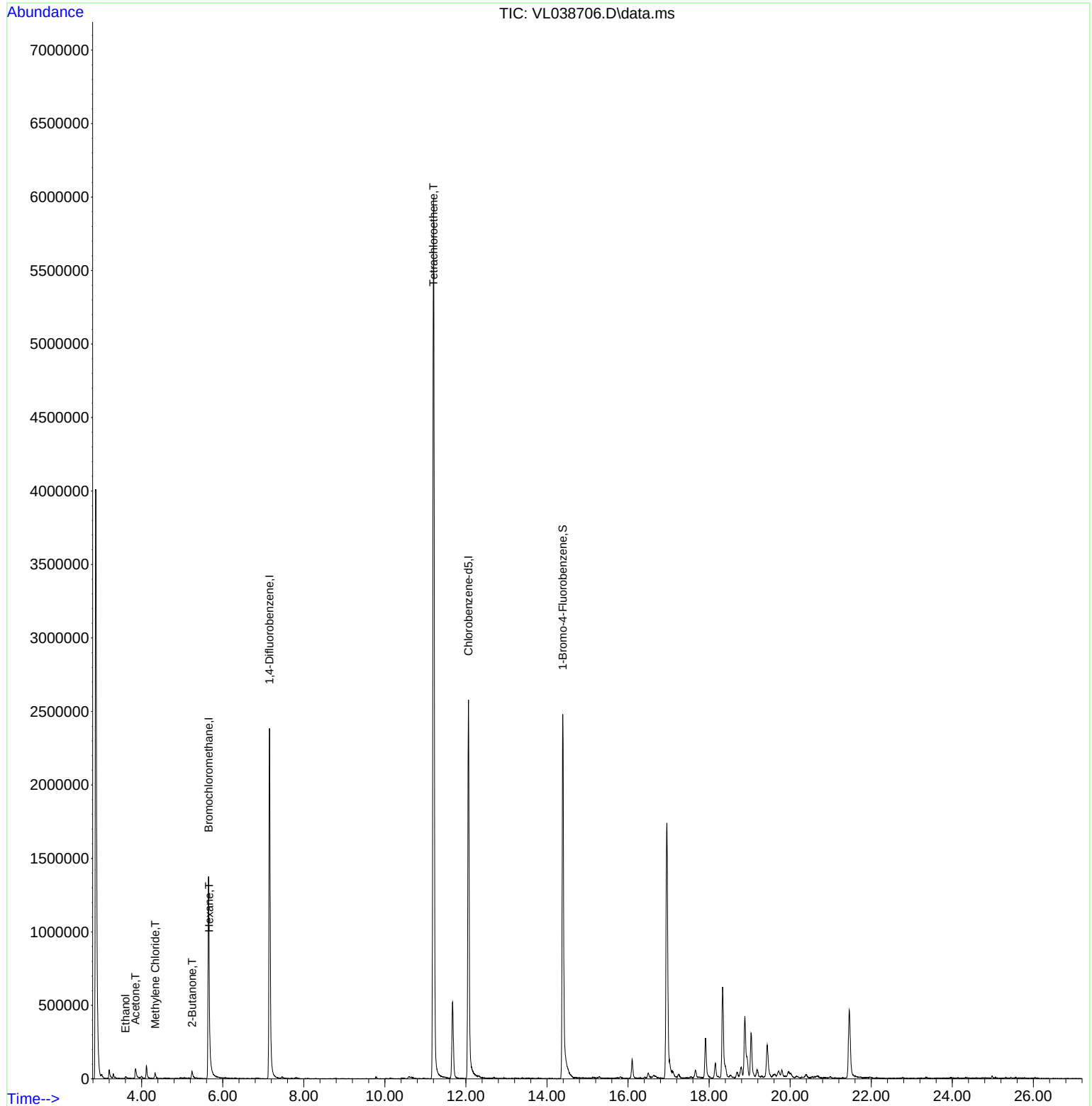
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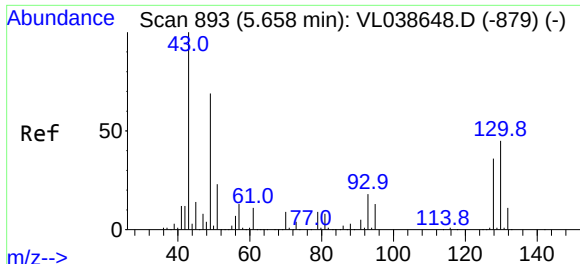
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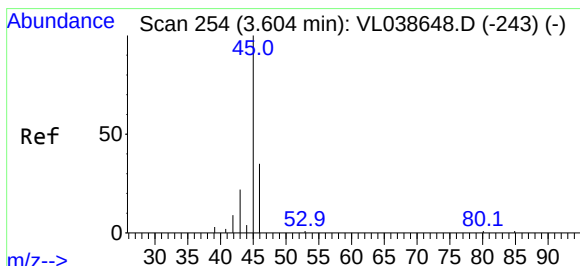
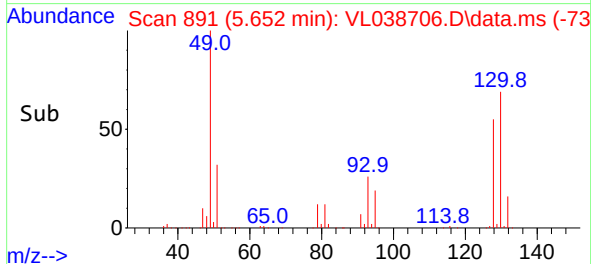
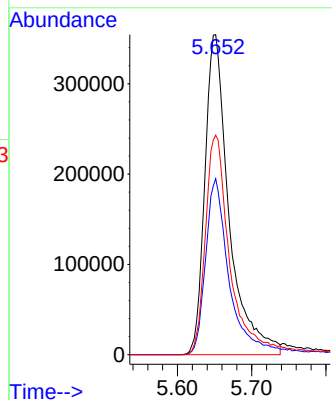
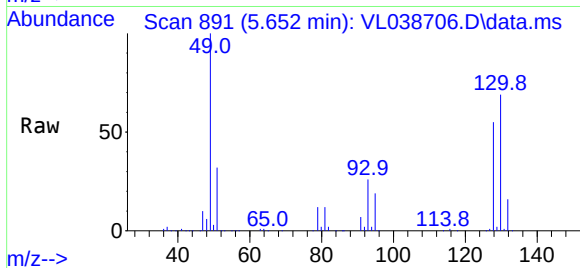
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 893
Delta R.T. -0.007 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

Instrument :
MSVOA_L
ClientSampleId :
COP93DL

Tgt Ion: 49 Resp: 80391
Ion Ratio Lower Upper
49 100
128 55.9 26.2 78.6
130 72.2 33.7 101.1

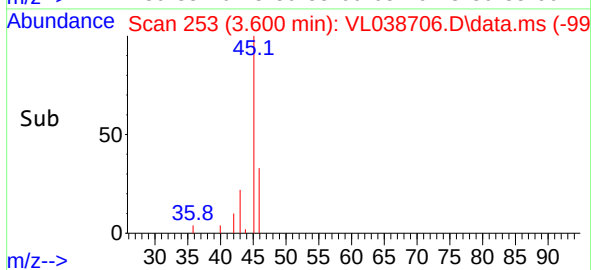
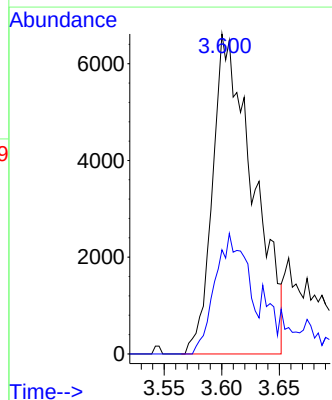
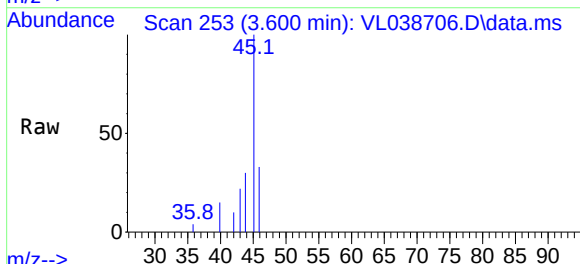
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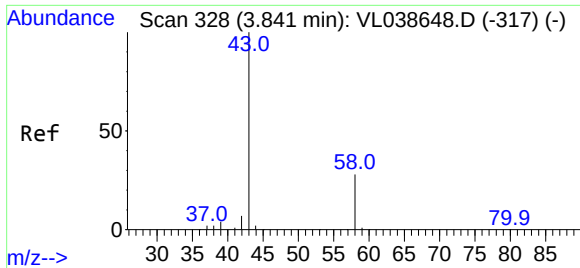
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#13
Ethanol
Concen: 3.582 ppbv m
RT: 3.600 min Scan# 253
Delta R.T. -0.003 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

Tgt Ion: 45 Resp: 16196
Ion Ratio Lower Upper
45 100
46 49.0 15.1 60.5





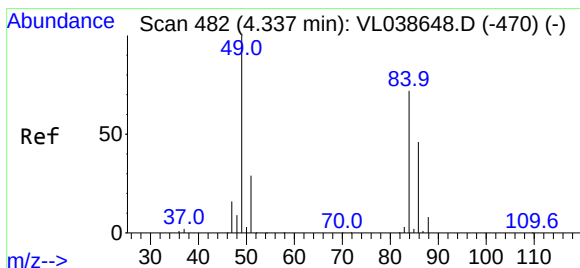
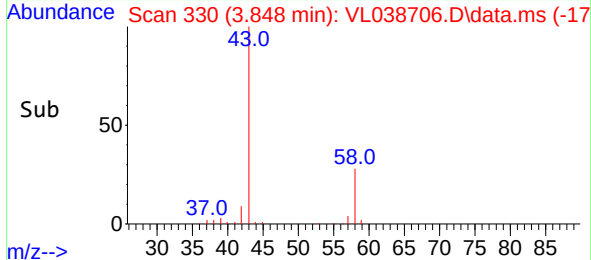
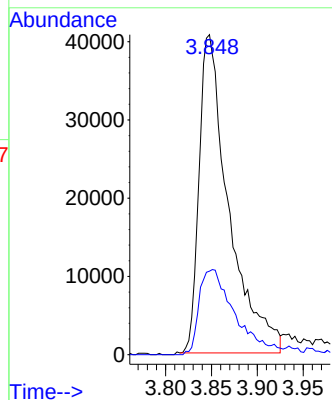
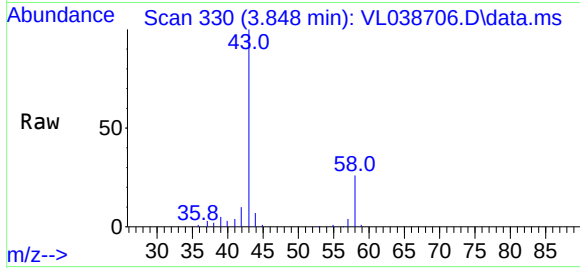
#15
Acetone
Concen: 1.321 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

Instrument :
MSVOA_L
ClientSampleId :
COP93DL

Tgt Ion: 43 Resp: 91620
Ion Ratio Lower Upper
43 100
58 34.4 23.3 34.9

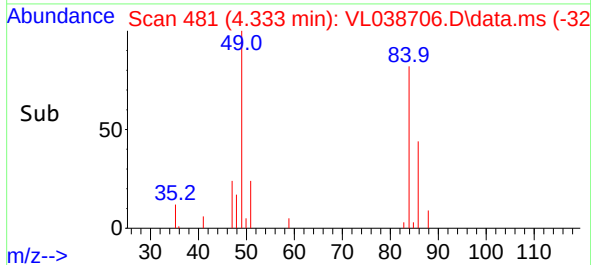
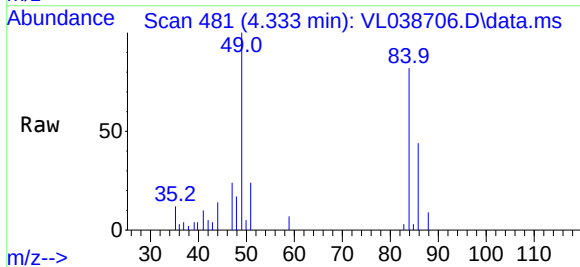
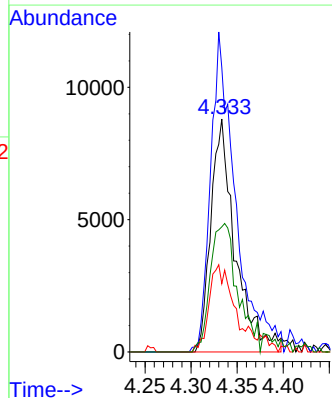
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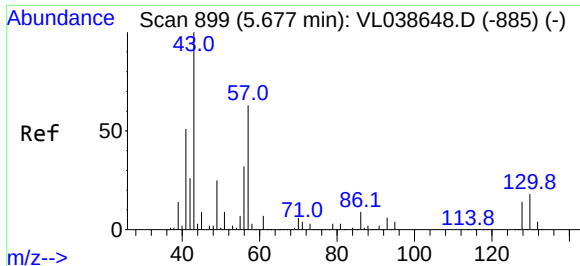
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#20
Methylene Chloride
Concen: 0.554 ppbv m
RT: 4.333 min Scan# 481
Delta R.T. -0.003 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

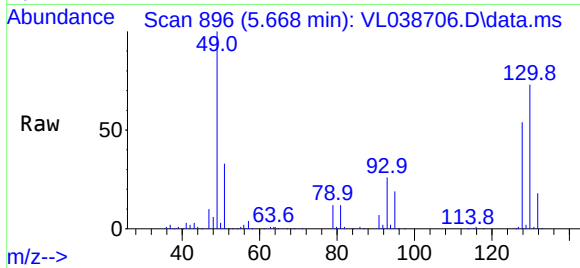
Tgt Ion: 84 Resp: 16173
Ion Ratio Lower Upper
84 100
49 122.1 111.2 166.8
51 29.3 32.8 49.2#
86 53.7 51.4 77.0





#26
Hexane
Concen: 0.166 ppbv
RT: 5.668 min Scan# 899
Delta R.T. -0.010 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

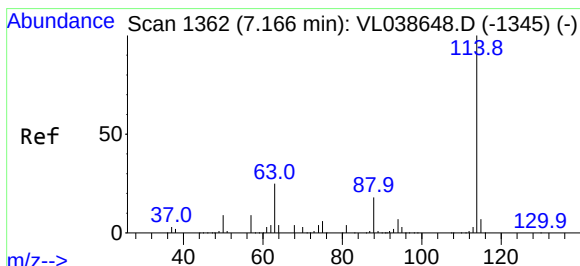
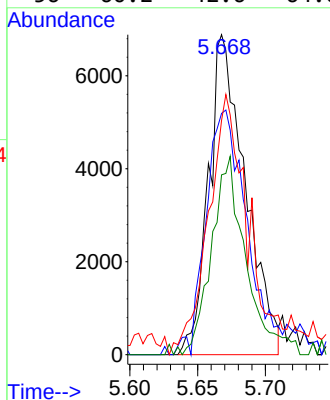
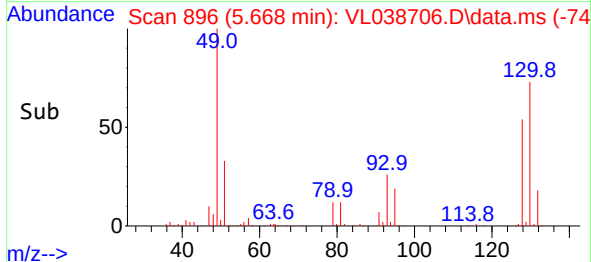
Instrument :
MSVOA_L
ClientSampleId :
COP93DL



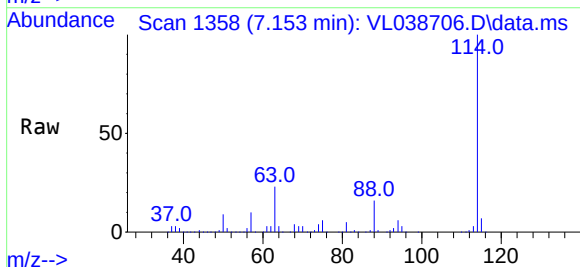
Tgt Ion: 57 Resp: 1297
Ion Ratio Lower Upper
57 100
41 91.3 67.0 100.4
43 84.8 184.2 276.2
56 60.2 42.6 64.0

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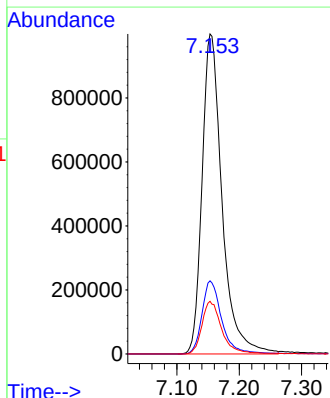
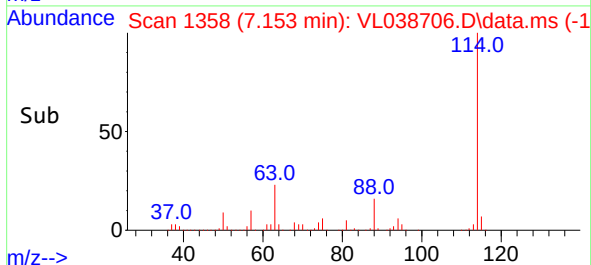
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Supervised By :Mahesh Dadoda 03/25/2022

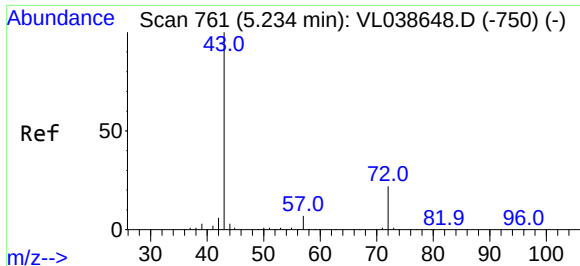


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1358
Delta R.T. -0.013 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38



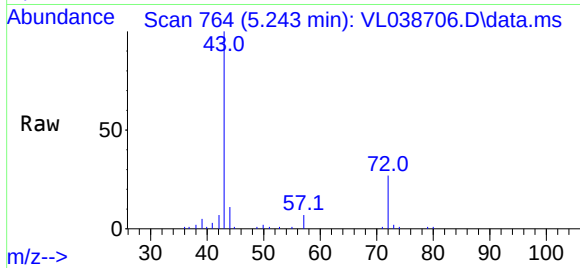
Tgt Ion:114 Resp: 2227528
Ion Ratio Lower Upper
114 100
63 22.7 19.4 29.0
88 16.5 13.9 20.9





#34
2-Butanone
Concen: 0.918 ppbv m
RT: 5.243 min Scan# 761
Delta R.T. 0.009 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

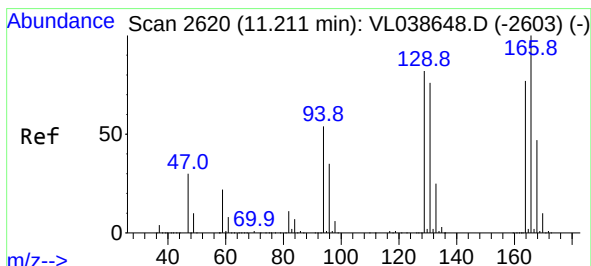
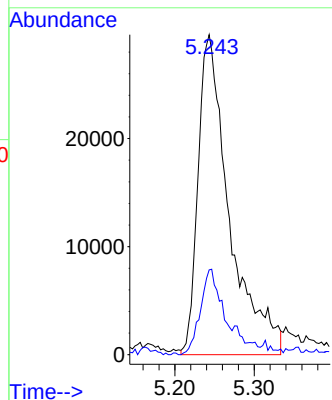
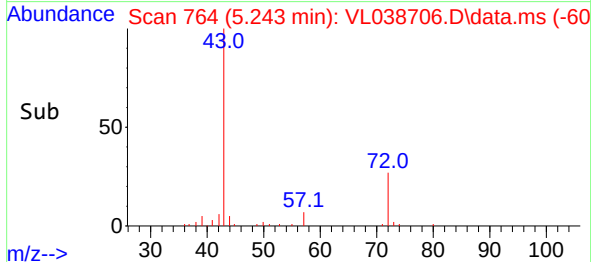
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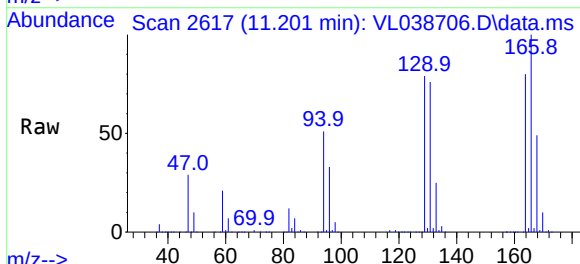
Tgt Ion: 43 Resp: 80945
Ion Ratio Lower Upper
43 100
72 24.7 17.8 26.8

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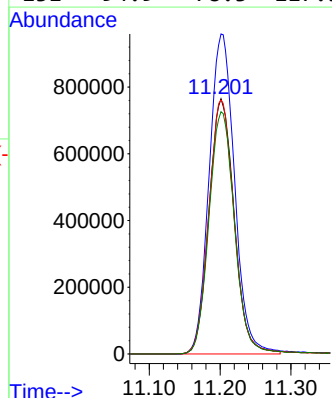
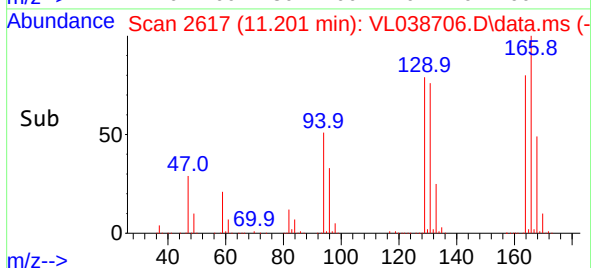
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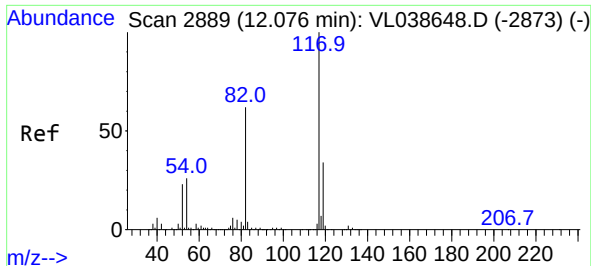


#52
Tetrachloroethene
Concen: 30.015 ppbv
RT: 11.201 min Scan# 2617
Delta R.T. -0.010 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38



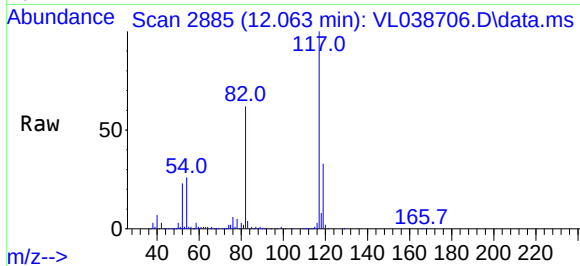
Tgt Ion:164 Resp: 1888313
Ion Ratio Lower Upper
164 100
166 125.4 103.3 154.9
129 99.5 85.2 127.8
131 94.9 78.3 117.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38

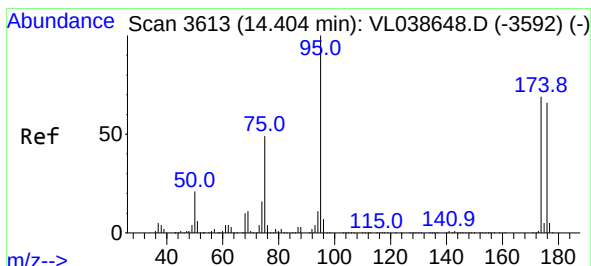
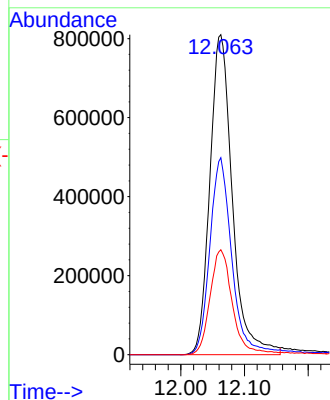
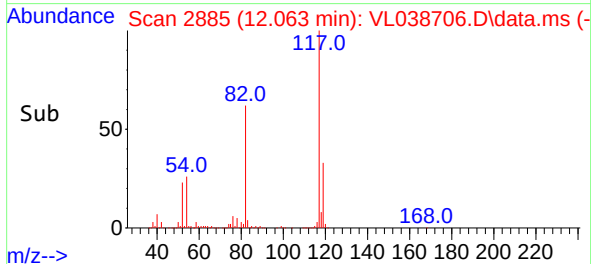
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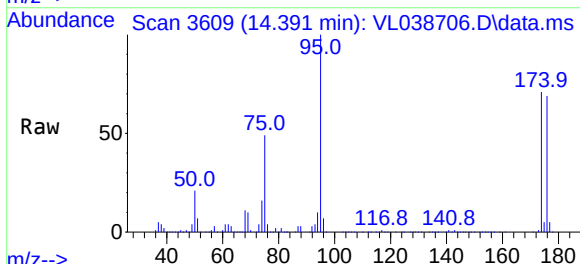
Tgt Ion: 117 Resp: 1988310
Ion Ratio Lower Upper
117 100
82 62.5 51.6 77.4
119 33.8 26.9 40.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.566 ppbv
RT: 14.391 min Scan# 3609
Delta R.T. -0.013 min
Lab File: VL038706.D
Acq: 23 Mar 2022 5:38



Tgt Ion: 95 Resp: 1458253
Ion Ratio Lower Upper
95 100
174 73.7 56.1 84.1
175 5.4 4.2 6.2

