

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038699.D
 Acq On : 23 Mar 2022 1:02
 Operator : SY/AP
 Sample : N1961-16DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P79DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:18:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

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	5.648	49	845003	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2325612	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.060	117	2069053	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1523056	9.601	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.986	51	29073	0.326	ppbv #	87
4) Chloromethane	3.134	50	5103m	0.104	ppbv	
9) Propene	3.018	41	83765	1.944	ppbv #	63
13) Ethanol	3.597	45	58352	12.277	ppbv	94
15) Acetone	3.841	43	220611m	3.026	ppbv	
17) tert-Butyl alcohol	4.295	59	9596	0.151	ppbv #	73
19) Isopropyl Alcohol	3.964	45	48311	1.195	ppbv #	93
20) Methylene Chloride	4.330	84	112757	3.672	ppbv	94
26) Hexane	5.674	57	125571m	1.528	ppbv	
30) Cyclohexane	7.111	84	80515	1.127	ppbv #	73
31) cis-1,2-Dichloroethene	5.529	61	9867	0.128	ppbv	88
34) 2-Butanone	5.234	43	160321	1.742	ppbv	97
38) Trichloroethene	7.816	130	6168m	0.082	ppbv	
52) Tetrachloroethene	11.198	164	56447	0.859	ppbv	94
53) Toluene	9.783	91	3683624	19.100	ppbv	98
59) m/p-Xylene	12.937	91	24119m	0.114	ppbv	

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

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Manual Integrations
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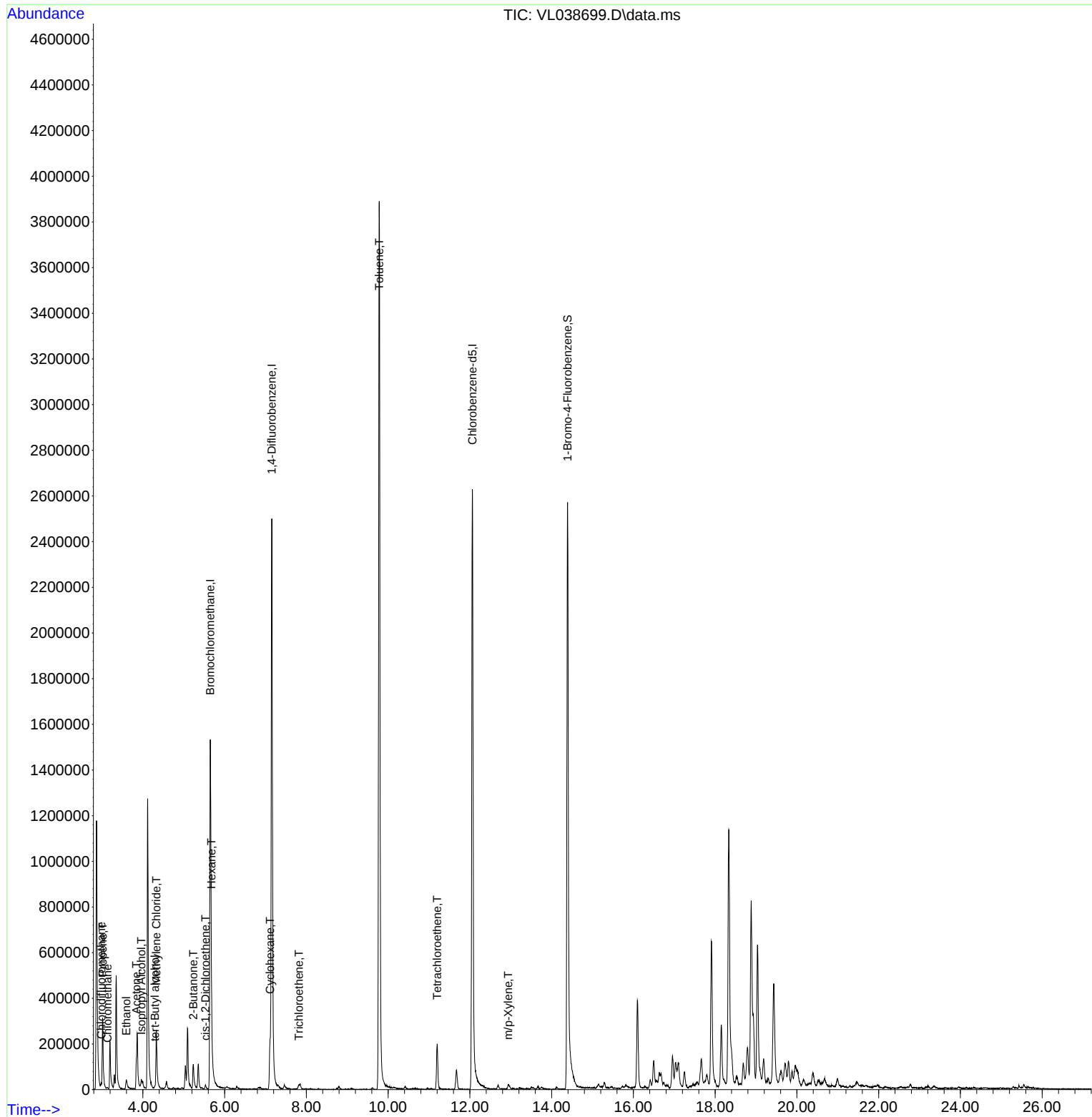
Quant Time: Mar 23 04:18:30 2022

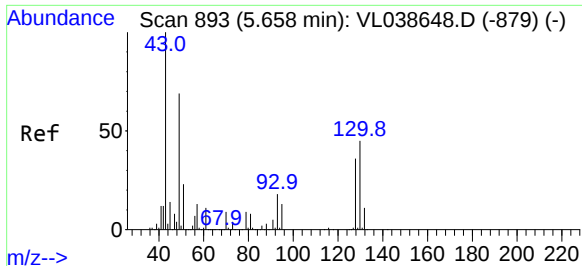
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

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

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

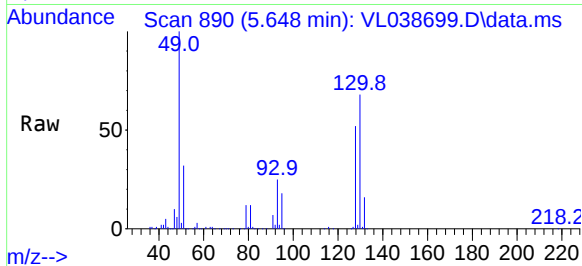
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 893
Delta R.T. -0.010 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

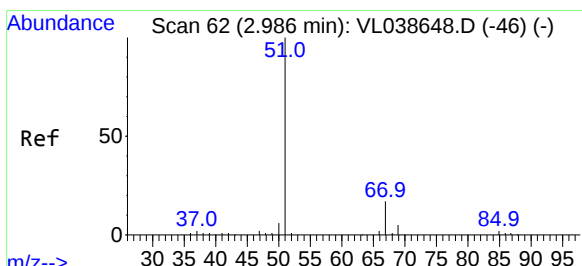
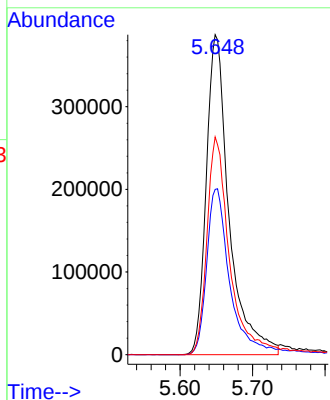
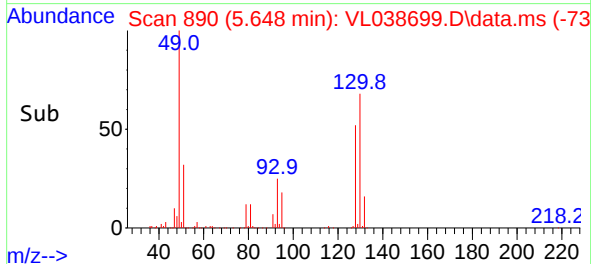
Instrument :
MSVOA_L
ClientSampleId :
C0P79DL



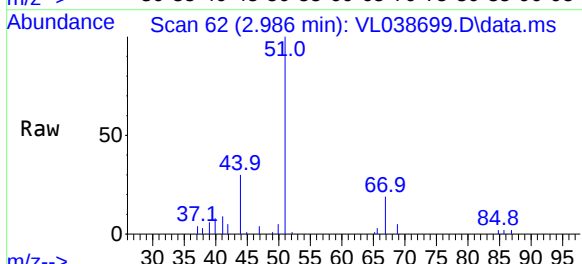
Tgt Ion: 49 Resp: 84500
Ion Ratio Lower Upper
49 100
128 54.7 26.2 78.6
130 70.8 33.7 101.1

Manual Integrations
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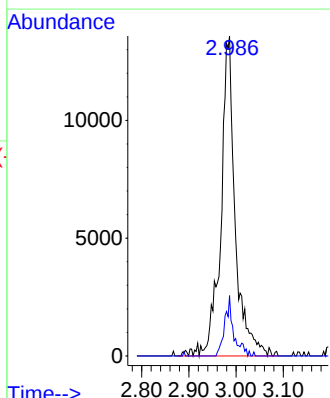
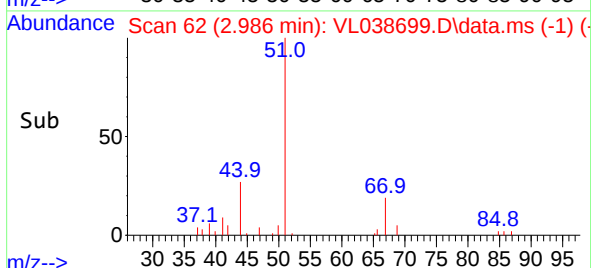
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

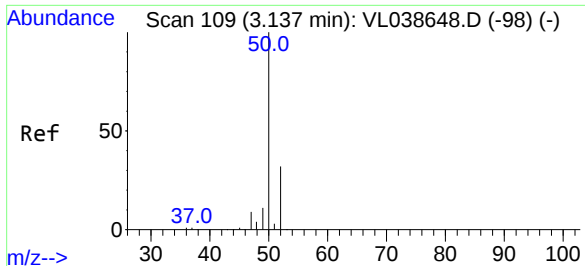


#3
Chlorodifluoromethane
Concen: 0.326 ppbv
RT: 2.986 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02



Tgt Ion: 51 Resp: 29073
Ion Ratio Lower Upper
51 100
67 11.7 14.1 21.1#





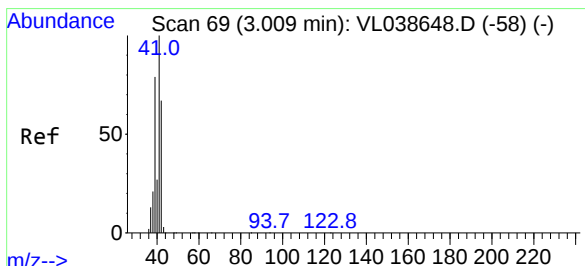
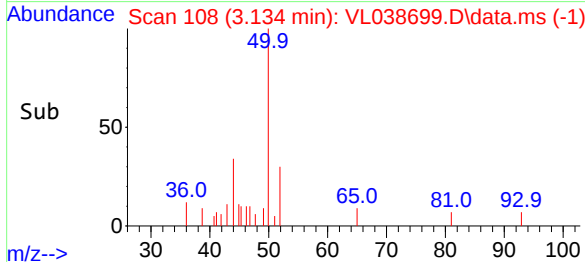
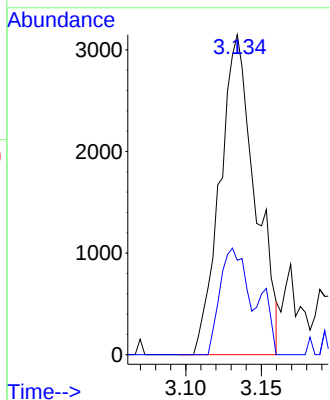
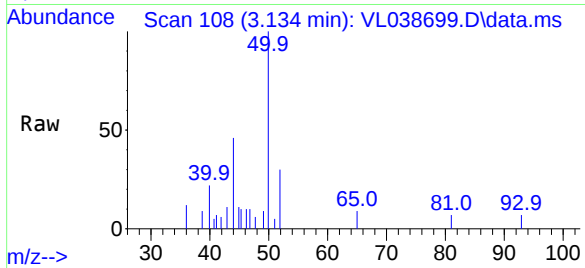
#4
Chloromethane
Concen: 0.104 ppbv m
RT: 3.134 min Scan# 109
Delta R.T. -0.003 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
COP79DL

Tgt Ion: 50 Resp: 510
Ion Ratio Lower Upper
50 100
52 29.5 25.5 38.3

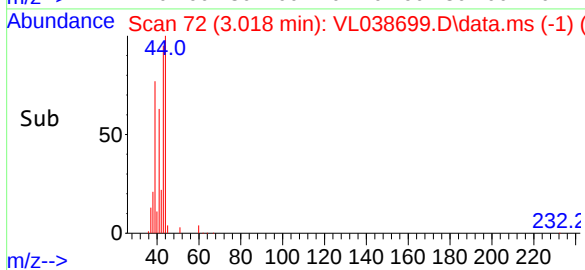
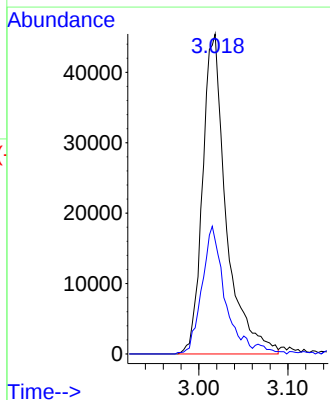
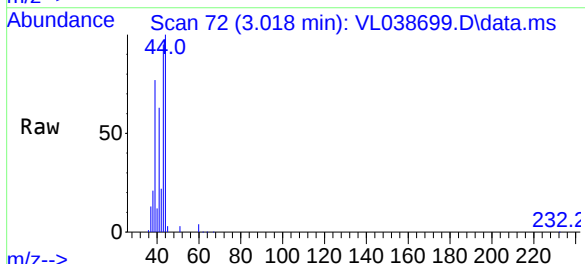
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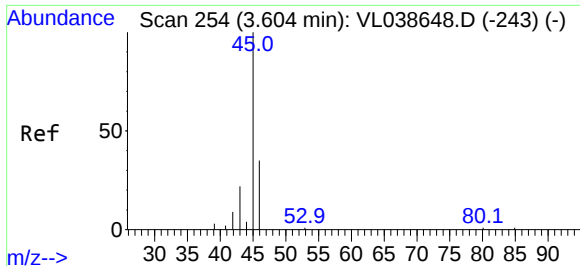
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#9
Propene
Concen: 1.944 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

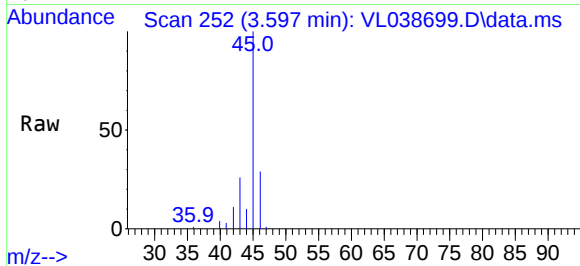
Tgt Ion: 41 Resp: 83765
Ion Ratio Lower Upper
41 100
42 40.0 56.2 84.4#





#13
Ethanol
Concen: 12.277 ppbv
RT: 3.597 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

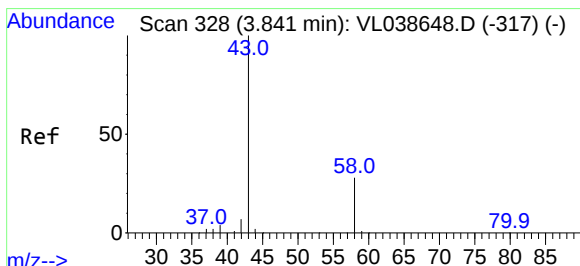
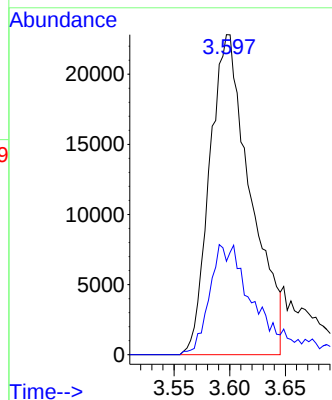
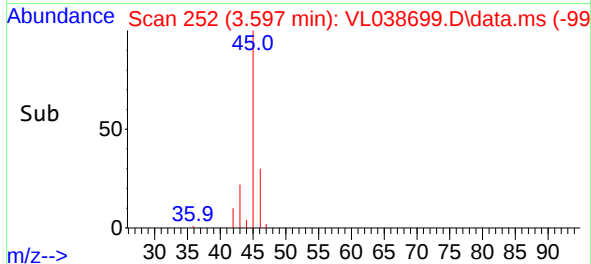
Instrument :
MSVOA_L
ClientSampleId :
COP79DL



Tgt Ion: 45 Resp: 5835
Ion Ratio Lower Upper
45 100
46 41.5 15.1 60.5

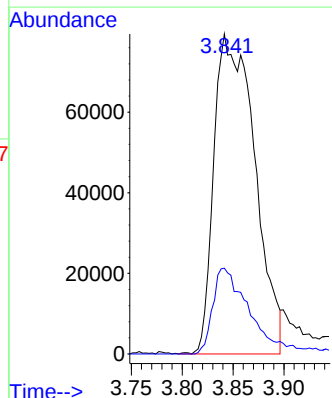
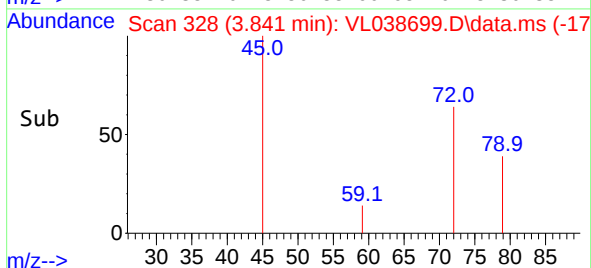
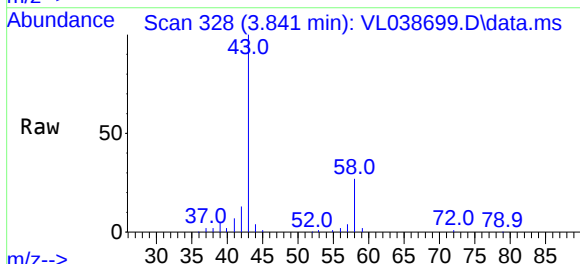
Manual Integrations
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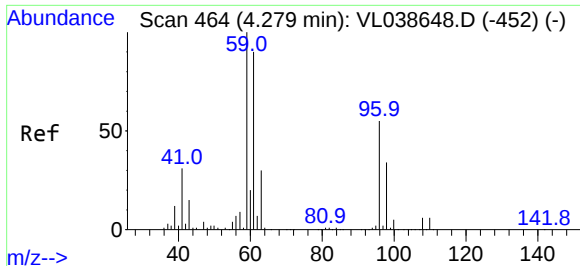
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#15
Acetone
Concen: 3.026 ppbv m
RT: 3.841 min Scan# 328
Delta R.T. -0.000 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

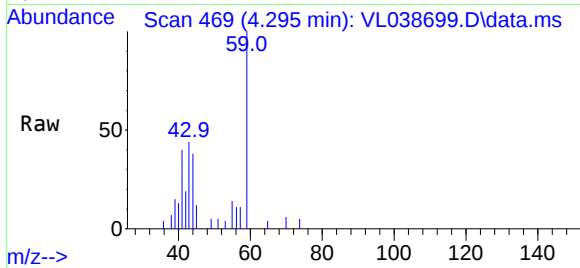
Tgt Ion: 43 Resp: 220611
Ion Ratio Lower Upper
43 100
58 24.9 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.151 ppbv
RT: 4.295 min Scan# 469
Delta R.T. 0.016 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

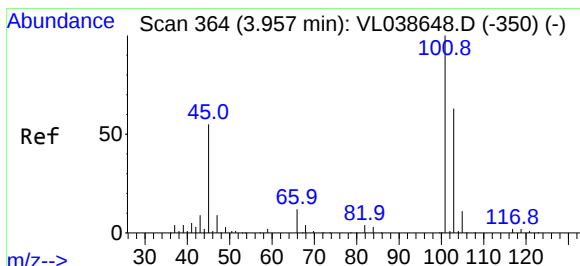
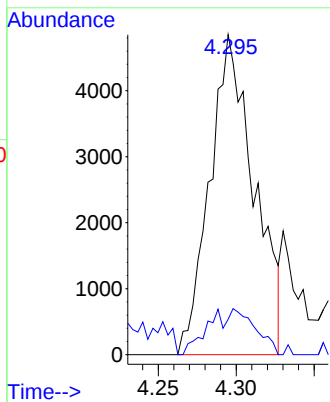
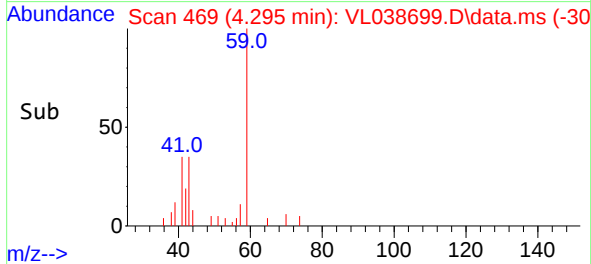
Instrument :
MSVOA_L
ClientSampleId :
C0P79DL



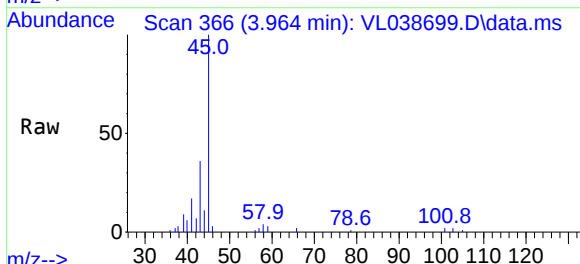
Tgt Ion: 59 Resp: 9590
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

Manual Integrations
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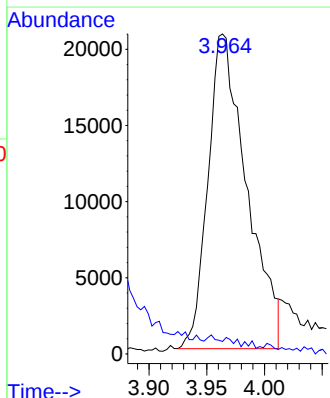
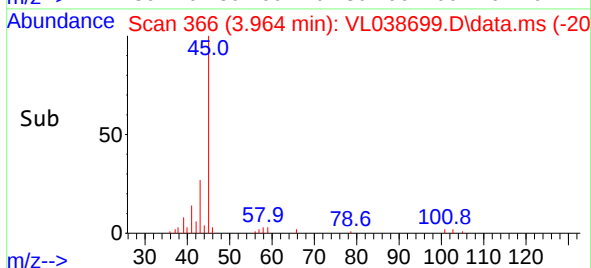
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

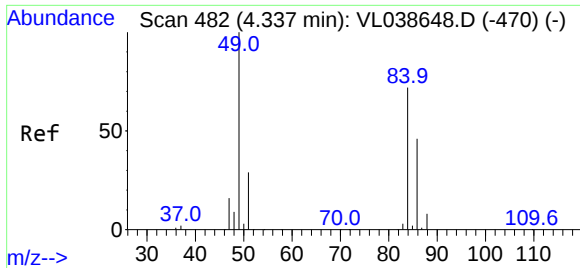


#19
Isopropyl Alcohol
Concen: 1.195 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.006 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02



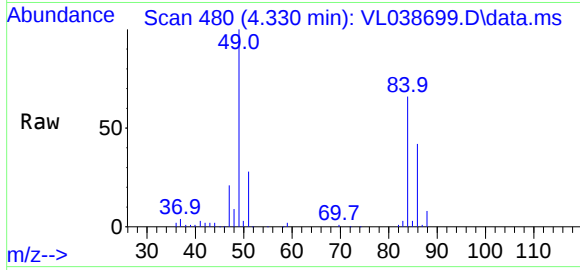
Tgt Ion: 45 Resp: 48311
Ion Ratio Lower Upper
45 100
58 5.3 2.3 3.5





#20
Methylene Chloride
Concen: 3.672 ppbv
RT: 4.330 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

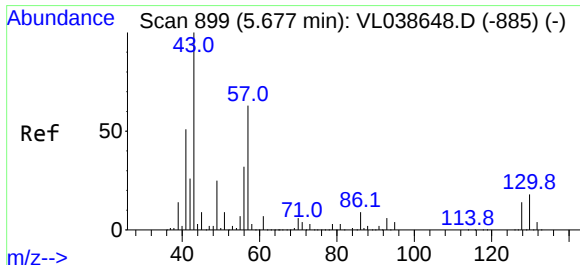
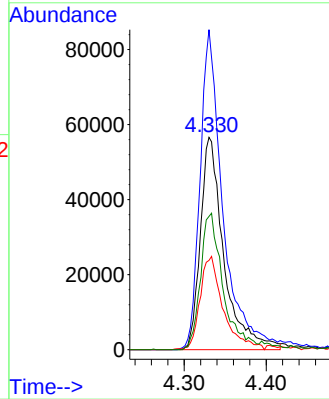
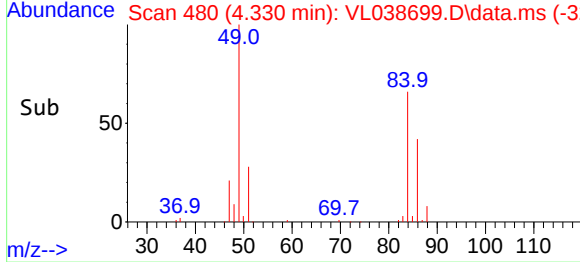
Instrument :
MSVOA_L
ClientSampleId :
COP79DL



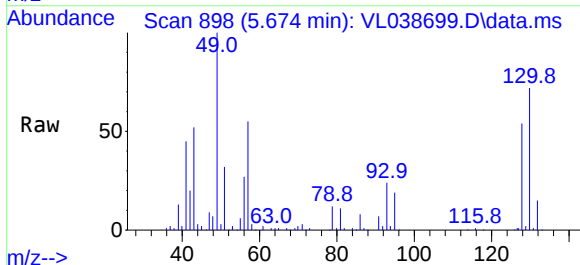
Tgt Ion: 84 Resp: 11275
Ion Ratio Lower Upper
84 100
49 150.2 111.2 166.8
51 42.1 32.8 49.2
86 62.7 51.4 77.0

Manual Integrations
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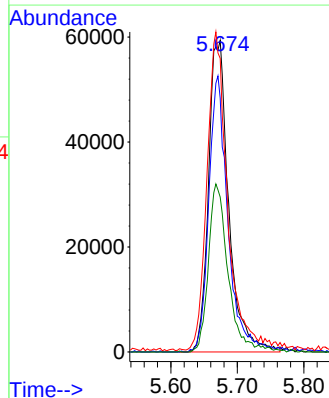
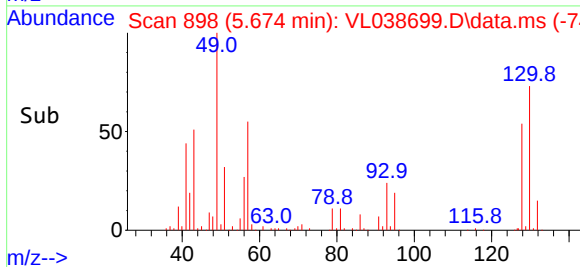
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

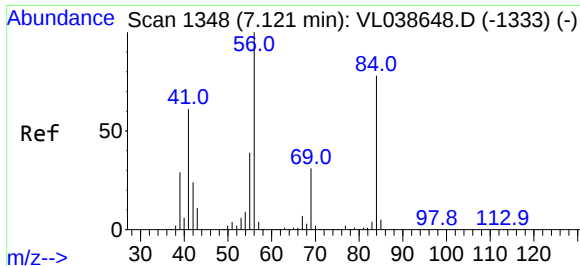


#26
Hexane
Concen: 1.528 ppbv m
RT: 5.674 min Scan# 898
Delta R.T. -0.003 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02



Tgt Ion: 57 Resp: 125571
Ion Ratio Lower Upper
57 100
41 0.0 67.0 100.4#
43 106.6 184.2 276.2#
56 53.0 42.6 64.0





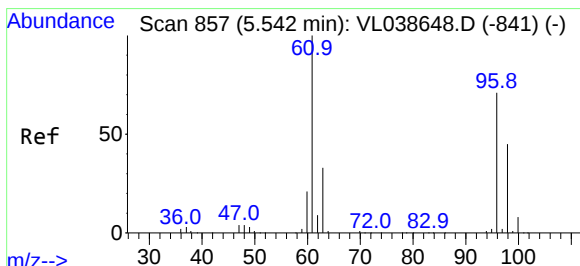
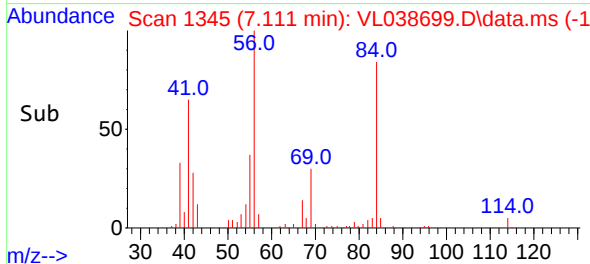
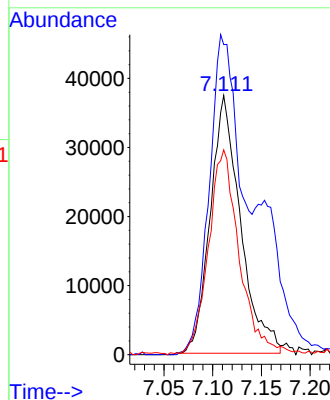
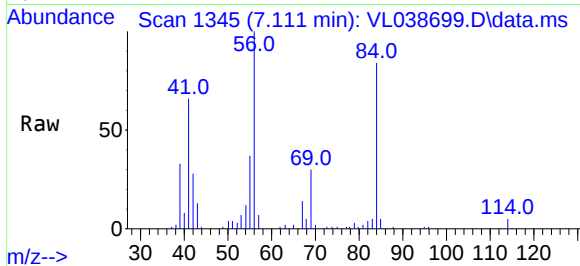
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Cyclohexane
Concen: 1.127 ppbv
RT: 7.111 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
COP79DL

Tgt Ion: 84 Resp: 8051
Ion Ratio Lower Upper
84 100
56 181.5 108.2 162.4
41 81.8 61.8 92.6

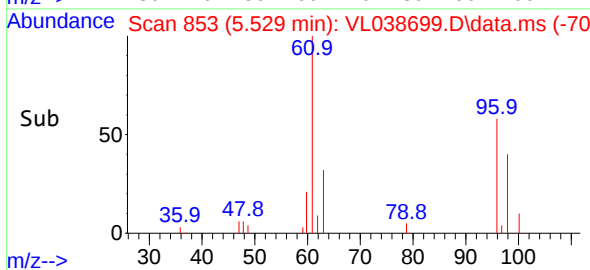
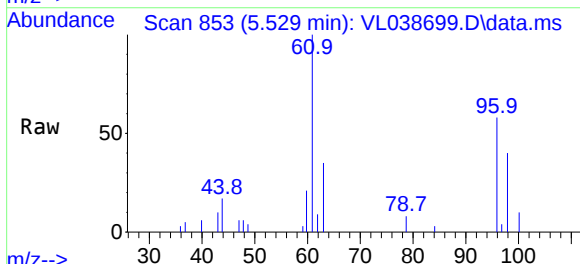
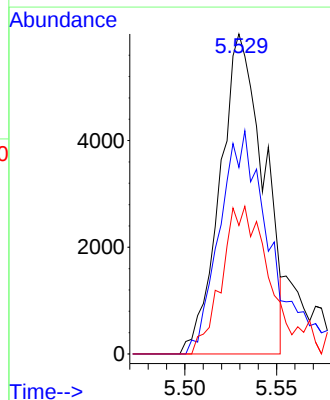
Manual Integrations
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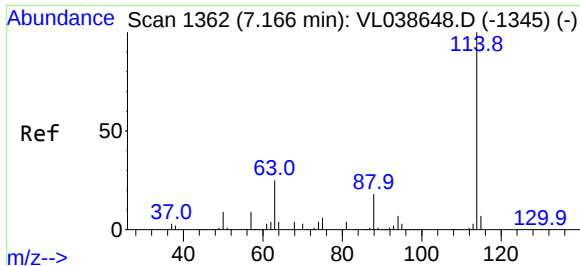
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#31
cis-1,2-Dichloroethene
Concen: 0.128 ppbv
RT: 5.529 min Scan# 853
Delta R.T. -0.013 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Tgt Ion: 61 Resp: 9867
Ion Ratio Lower Upper
61 100
96 58.3 56.6 84.8
98 40.2 36.3 54.5





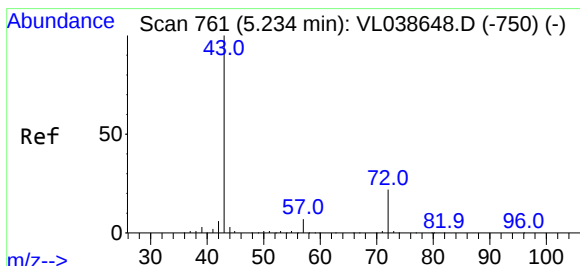
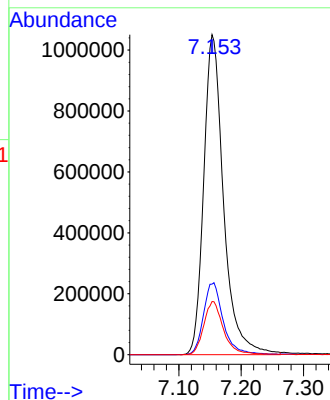
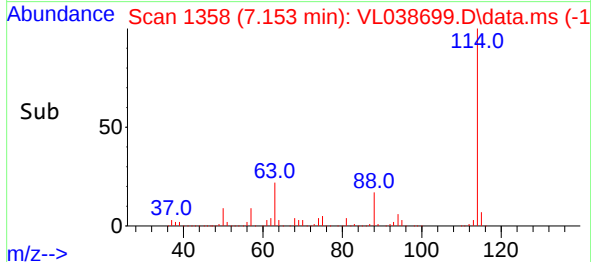
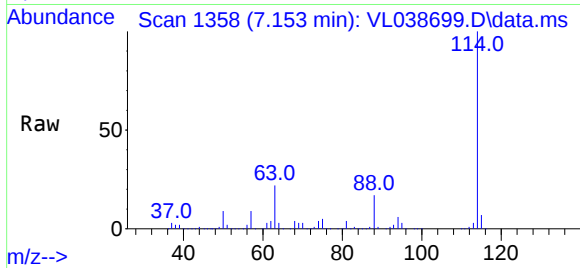
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Instrument :
MSVOA_L
ClientSampleId :
COP79DL

Tgt Ion:114 Resp: 232561
Ion Ratio Lower Upper
114 100
63 22.7 19.4 29.0
88 16.7 13.9 20.9

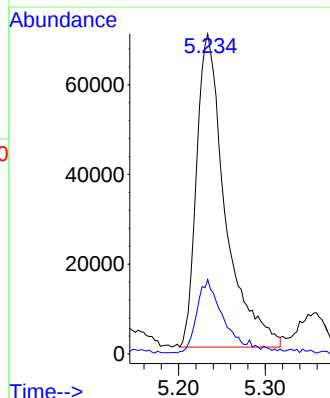
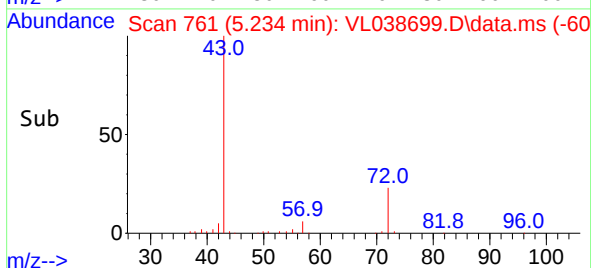
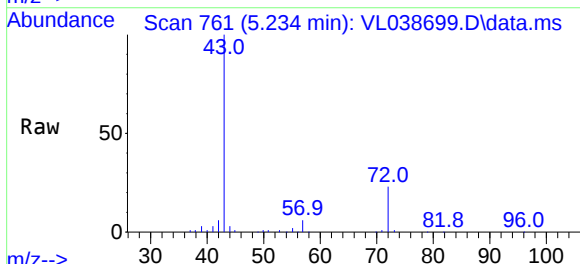
Manual Integrations
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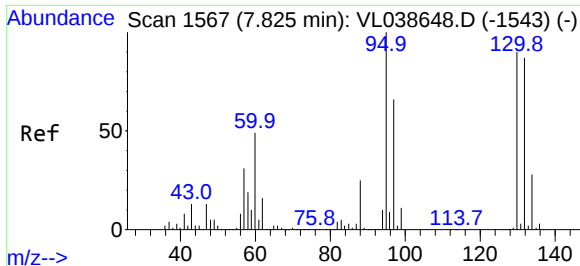
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#34
2-Butanone
Concen: 1.742 ppbv
RT: 5.234 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Tgt Ion: 43 Resp: 160321
Ion Ratio Lower Upper
43 100
72 23.9 17.8 26.8





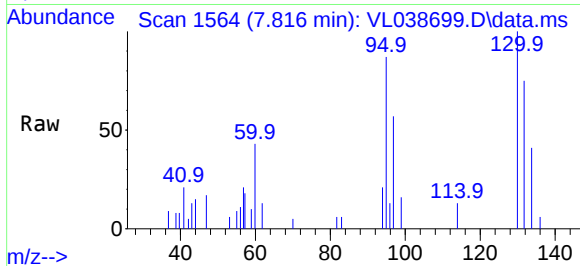
#38
 Trichloroethene
 Concen: 0.082 ppbv m
 RT: 7.816 min Scan# 1
 Delta R.T. -0.010 min
 Lab File: VL038699.D
 Acq: 23 Mar 2022 1:02

Instrument :

MSVOA_L

ClientSampleId :

C0P79DL



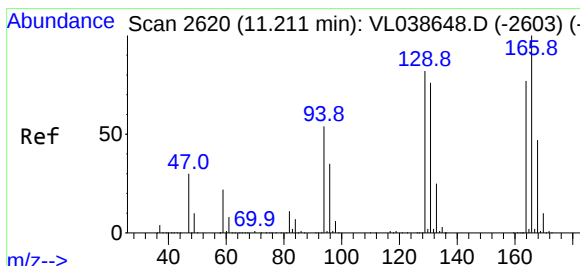
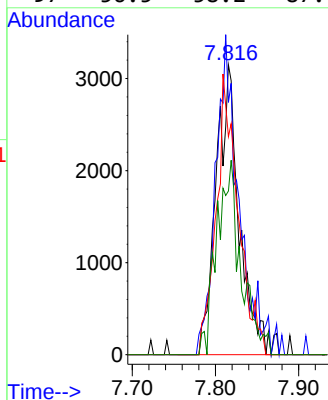
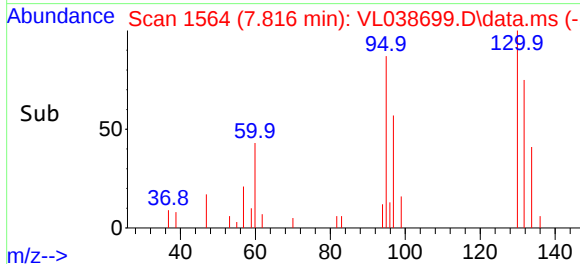
Tgt Ion:130 Resp: 616

Ion	Ratio	Lower	Upper
130	100		
95	87.1	88.9	133.3
132	75.3	77.4	116.0
97	56.5	58.2	87.4

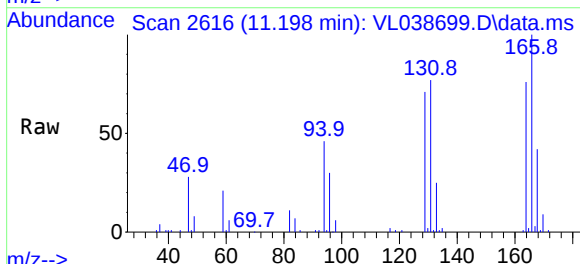
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

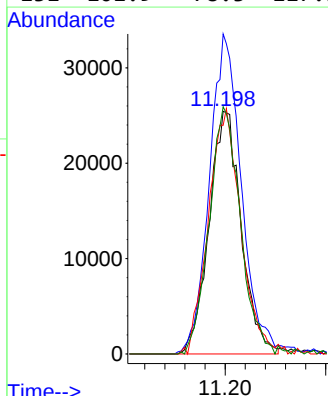
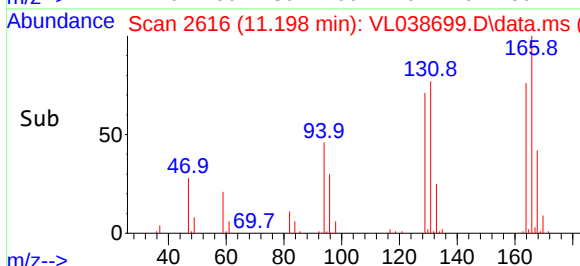


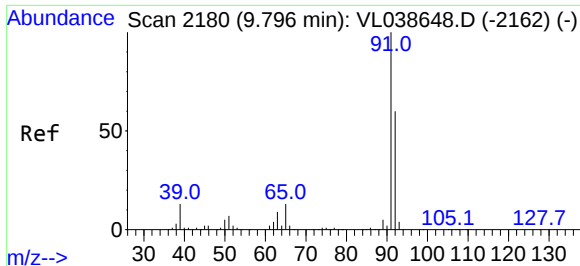
#52
 Tetrachloroethene
 Concen: 0.859 ppbv
 RT: 11.198 min Scan# 2616
 Delta R.T. -0.013 min
 Lab File: VL038699.D
 Acq: 23 Mar 2022 1:02



Tgt Ion:164 Resp: 56447

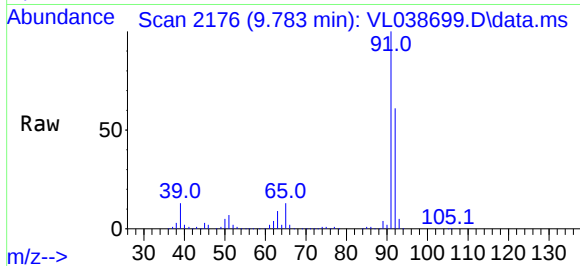
Ion	Ratio	Lower	Upper
164	100		
166	131.0	103.3	154.9
129	94.2	85.2	127.8
131	101.9	78.3	117.5





#53
Toluene
Concen: 19.100 ppbv
RT: 9.783 min Scan# 2180
Delta R.T. -0.013 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

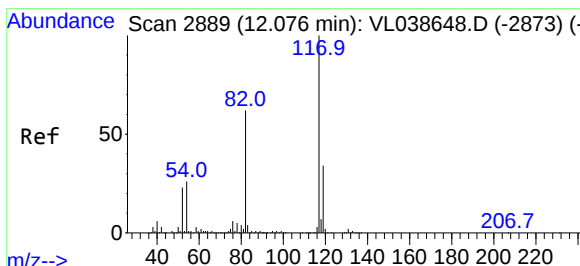
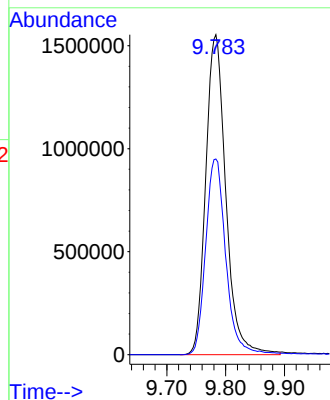
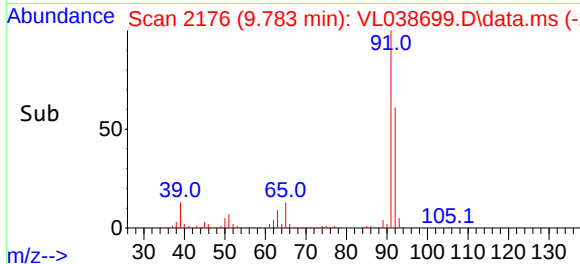
Instrument :
MSVOA_L
ClientSampleId :
COP79DL



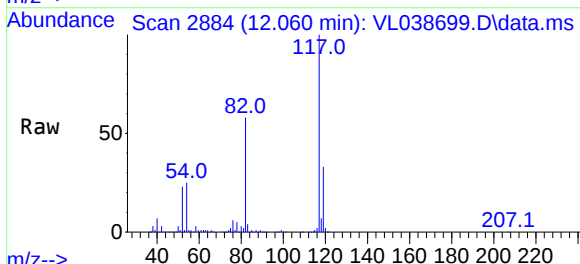
Tgt Ion: 91 Resp: 3683624
Ion Ratio Lower Upper
91 100
92 62.1 48.7 73.1

Manual Integrations
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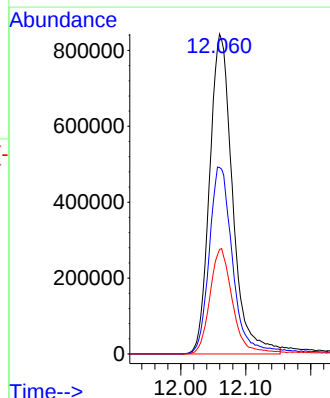
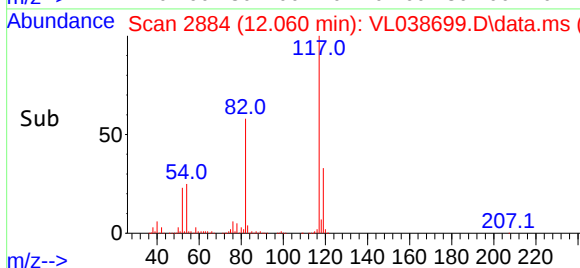
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

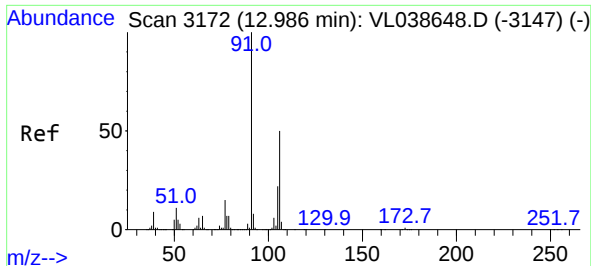


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 2884
Delta R.T. -0.016 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02



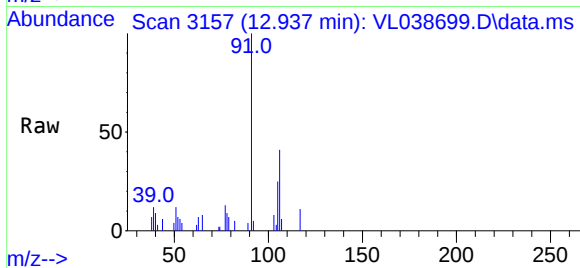
Tgt Ion:117 Resp: 2069053
Ion Ratio Lower Upper
117 100
82 61.5 51.6 77.4
119 33.9 26.9 40.3





#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 12.937 min Scan# 3172
Delta R.T. -0.048 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

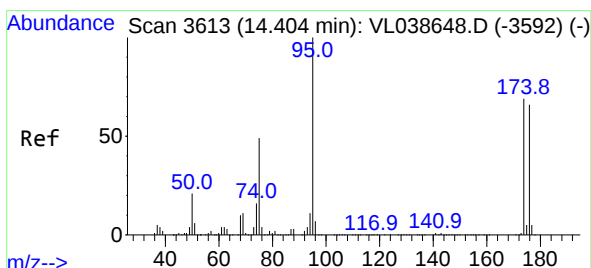
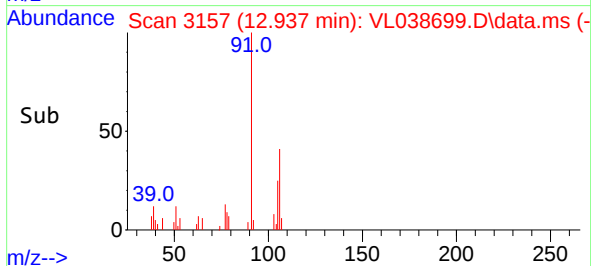
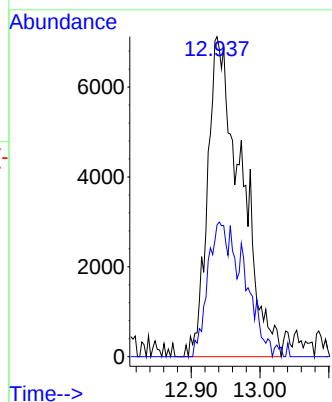
Instrument :
MSVOA_L
ClientSampleId :
COP79DL



Tgt Ion: 91 Resp: 24119
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 14.388 min Scan# 3608
Delta R.T. -0.016 min
Lab File: VL038699.D
Acq: 23 Mar 2022 1:02

Tgt Ion: 95 Resp: 1523056
Ion Ratio Lower Upper
95 100
174 74.1 56.1 84.1
175 5.2 4.2 6.2

