

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038703.D
 Acq On : 23 Mar 2022 3:42
 Operator : SY/AP
 Sample : N2046-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P90

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 04:19:55 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	5.648	49	808221	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	2199929	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.060	117	2017761	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1448842	9.366	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	24386	0.224	ppbv	98
3) Chlorodifluoromethane	2.980	51	19646	0.230	ppbv #	91
4) Chloromethane	3.131	50	8021	0.171	ppbv #	86
9) Propene	3.002	41	77863	1.889	ppbv	97
11) Trichlorofluoromethane	3.941	101	21195	0.221	ppbv	97
13) Ethanol	3.594	45	115070	25.312	ppbv	84
15) Acetone	3.835	43	1291071	18.513	ppbv #	89
17) tert-Butyl alcohol	4.282	59	44057	0.723	ppbv #	89
19) Isopropyl Alcohol	3.957	45	40958	1.059	ppbv #	91
20) Methylene Chloride	4.333	84	23376m	0.796	ppbv	
34) 2-Butanone	5.224	43	1413673	16.235	ppbv	98
36) Benzene	6.877	78	19233	0.113	ppbv	99
51) 2-Hexanone	10.121	43	135185	1.163	ppbv #	98
52) Tetrachloroethene	11.201	164	888705	14.303	ppbv	95
53) Toluene	9.780	91	148436	0.814	ppbv	99
59) m/p-Xylene	12.938	91	30613m	0.148	ppbv	
75) 1,3-Dichlorobenzene	16.973	146	54683m	0.374	ppbv	

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

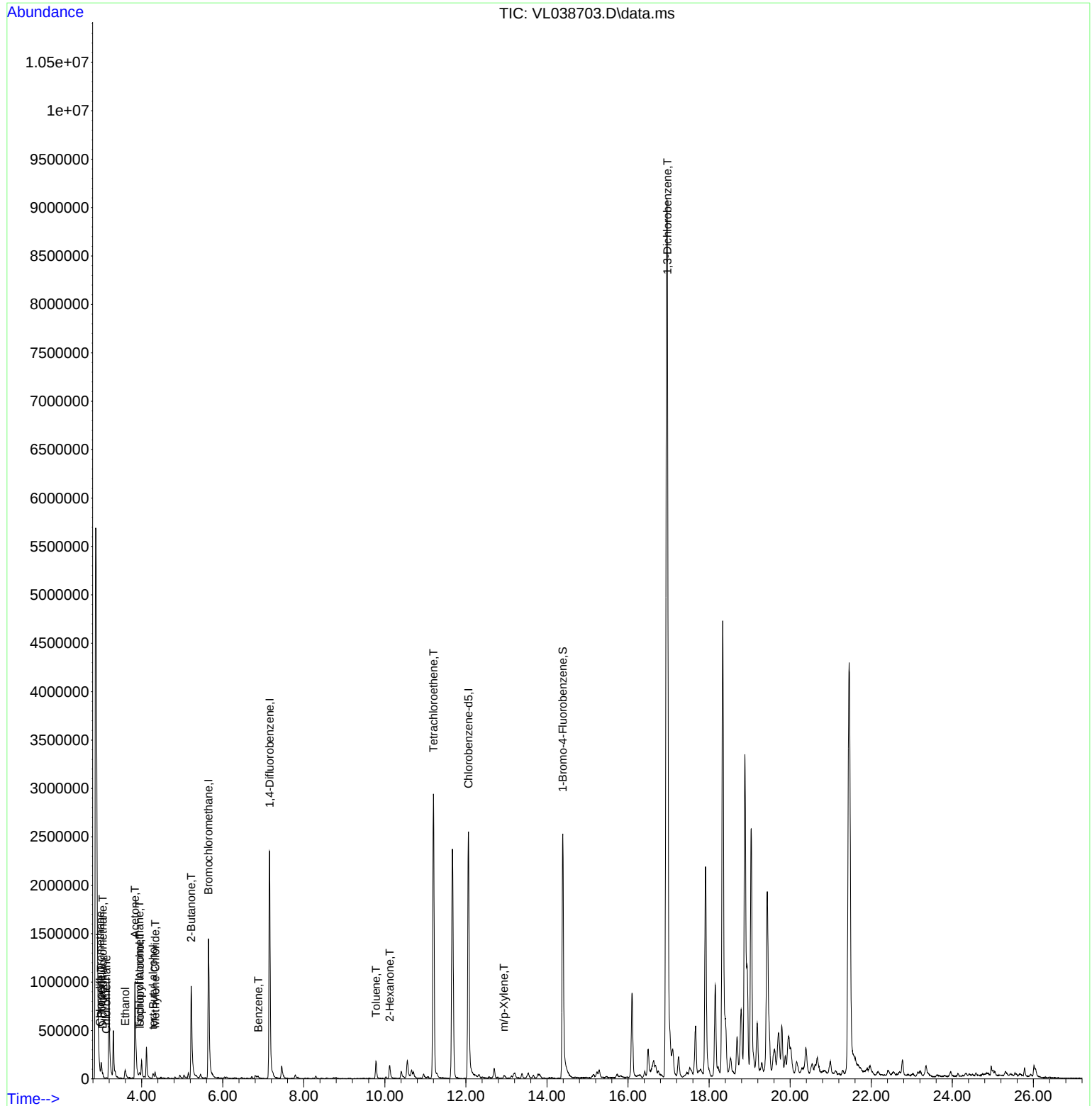
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
Data File : VL038703.D
Acq On : 23 Mar 2022 3:42
Operator : SY/AP
Sample : N2046-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

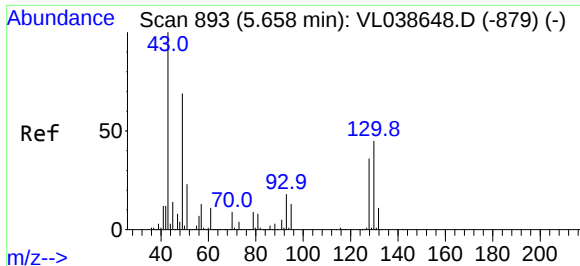
Instrument :
MSVOA_L
ClientSampleId :
C0P90

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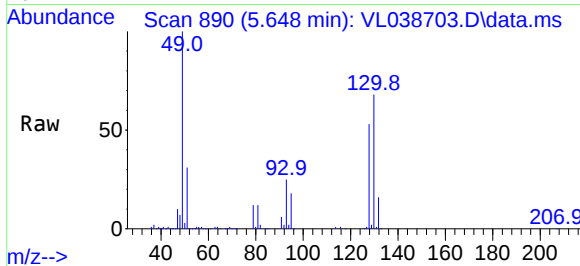
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 893
Delta R.T. -0.010 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

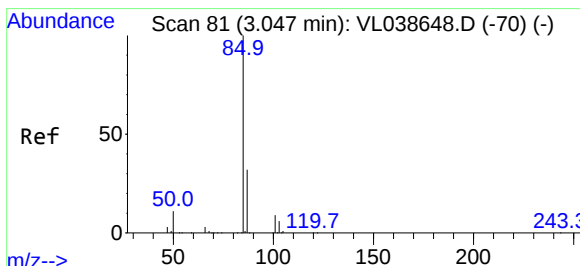
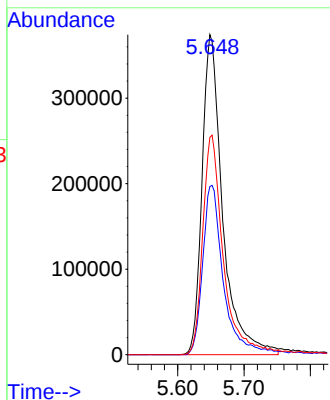
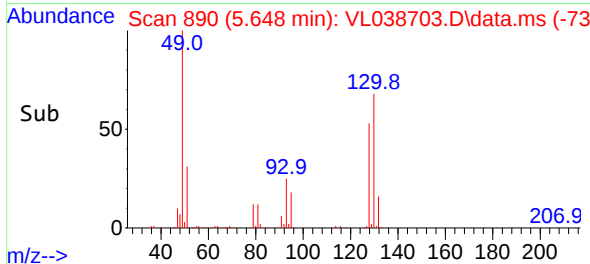
Instrument :
MSVOA_L
ClientSampleId :
COP90



Tgt Ion: 49 Resp: 80822
Ion Ratio Lower Upper
49 100
128 54.2 26.2 78.6
130 70.5 33.7 101.1

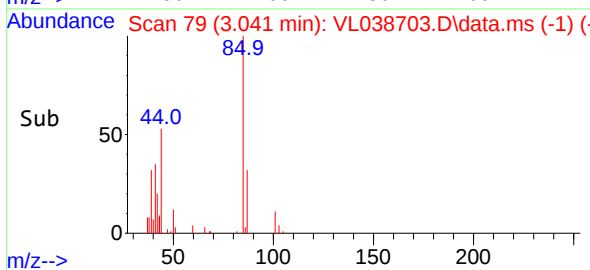
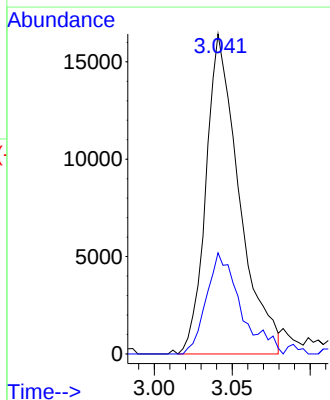
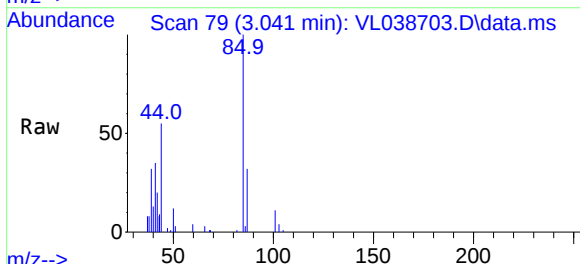
Manual Integrations
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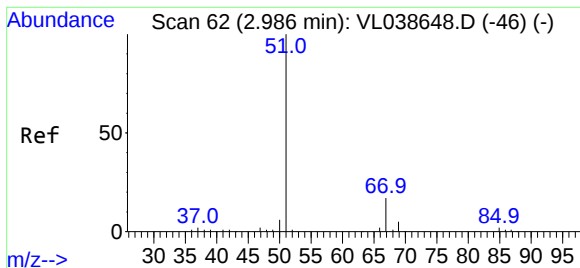
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#2
Dichlorodifluoromethane
Concen: 0.224 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

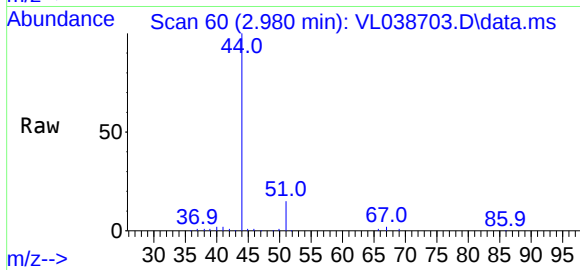
Tgt Ion: 85 Resp: 24386
Ion Ratio Lower Upper
85 100
87 31.6 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.230 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

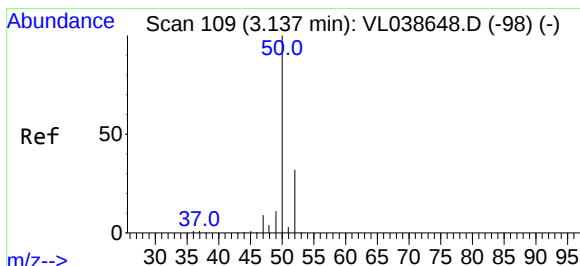
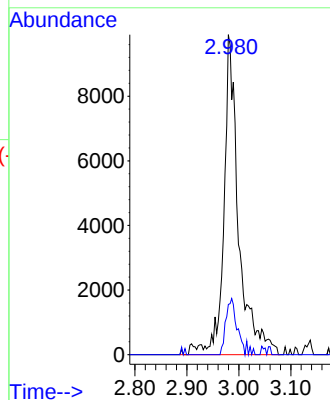
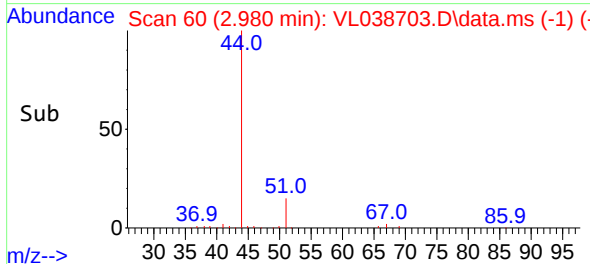
Instrument :
MSVOA_L
ClientSampleId :
COP90



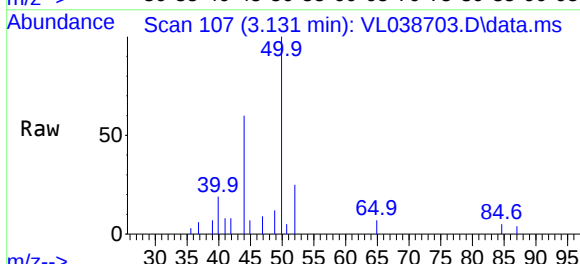
Tgt Ion: 51 Resp: 1964
Ion Ratio Lower Upper
51 100
67 13.7 14.1 21.1

Manual Integrations
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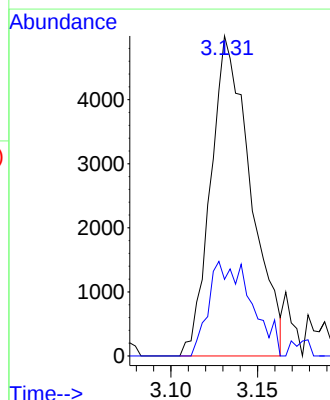
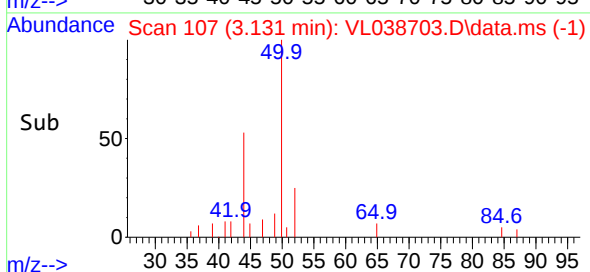
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Supervised By :Mahesh Dadoda 03/25/2022

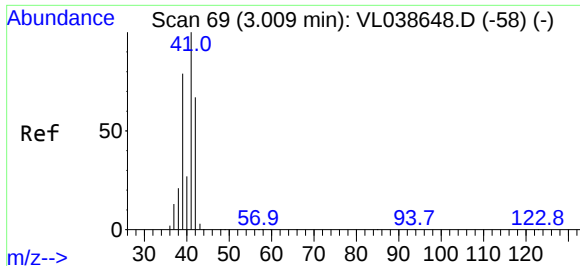


#4
Chloromethane
Concen: 0.171 ppbv
RT: 3.131 min Scan# 107
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42



Tgt Ion: 50 Resp: 8021
Ion Ratio Lower Upper
50 100
52 24.0 25.5 38.3





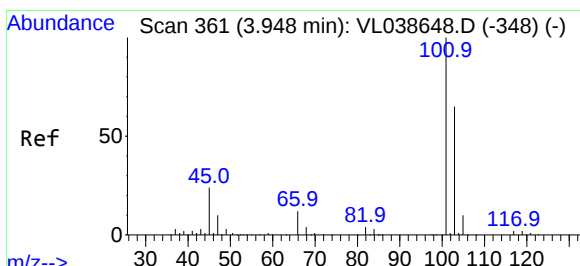
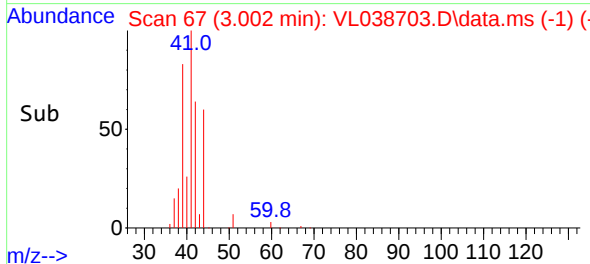
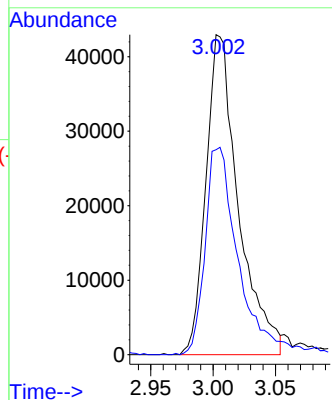
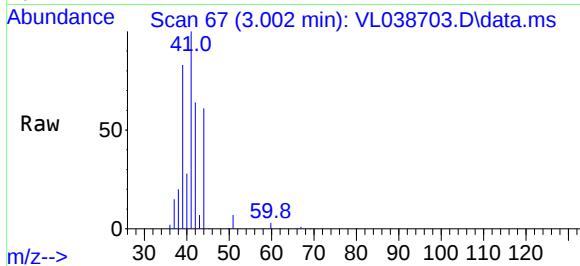
#9
Propene
Concen: 1.889 ppbv
RT: 3.002 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
COP90

Tgt Ion: 41 Resp: 7786
Ion Ratio Lower Upper
41 100
42 67.7 56.2 84.4

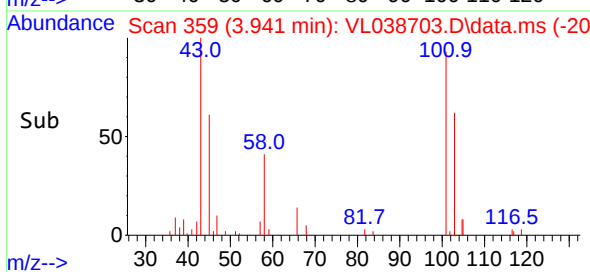
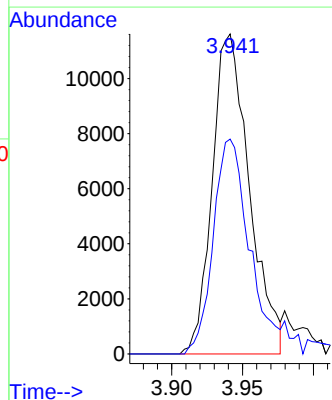
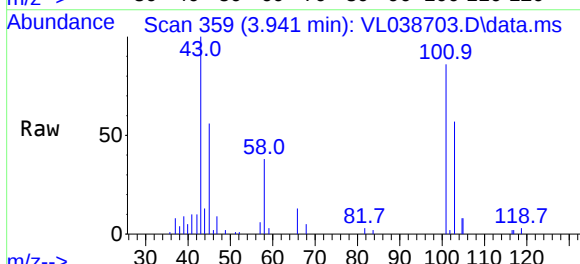
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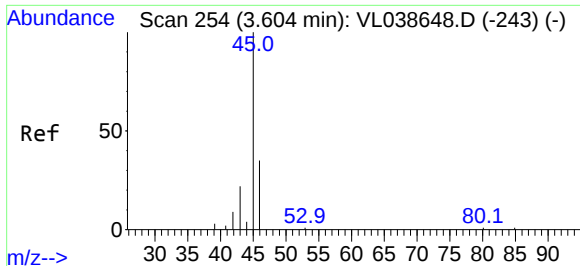
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 3.941 min Scan# 359
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

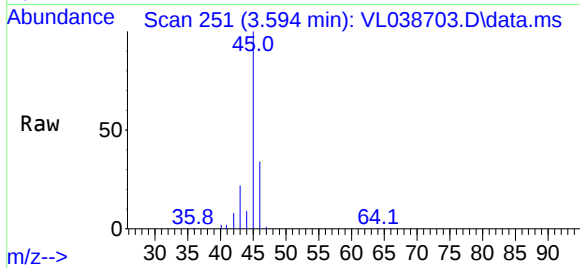
Tgt Ion:101 Resp: 21195
Ion Ratio Lower Upper
101 100
103 67.2 51.9 77.9





#13
Ethanol
Concen: 25.312 ppbv
RT: 3.594 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

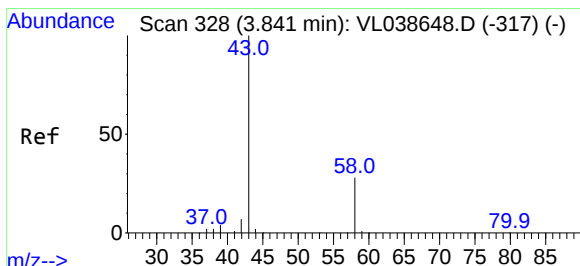
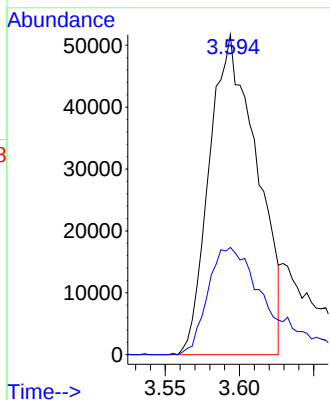
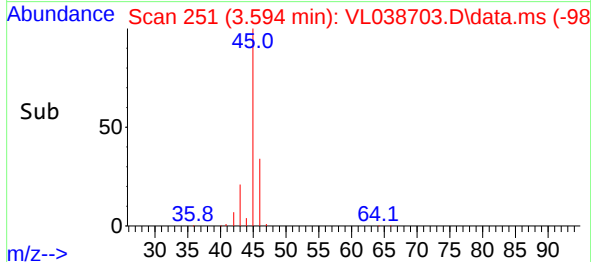
Instrument :
MSVOA_L
ClientSampleId :
COP90



Tgt Ion: 45 Resp: 115070
Ion Ratio Lower Upper
45 100
46 47.5 15.1 60.5

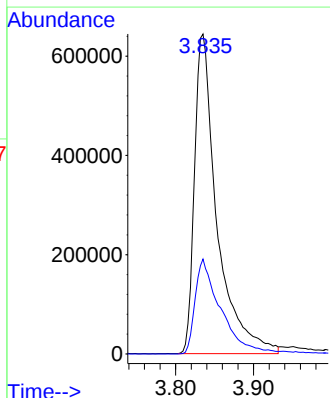
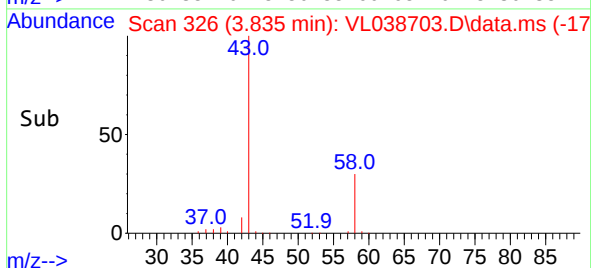
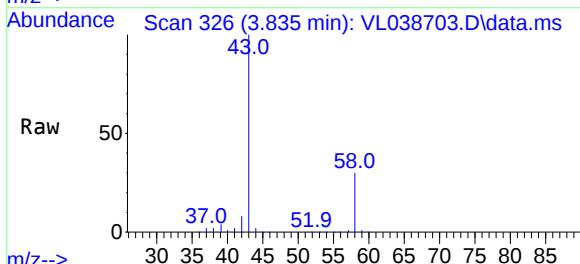
Manual Integrations
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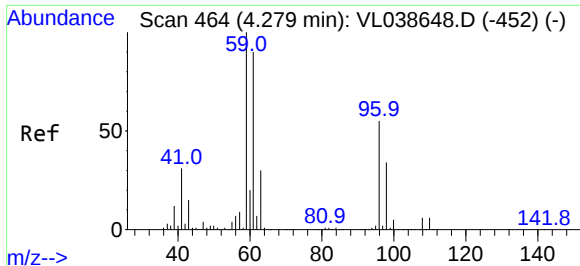
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#15
Acetone
Concen: 18.513 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

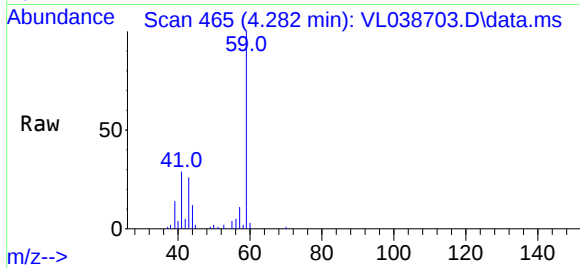
Tgt Ion: 43 Resp: 1291071
Ion Ratio Lower Upper
43 100
58 35.0 23.3 34.9#





#17
tert-Butyl alcohol
Concen: 0.723 ppbv
RT: 4.282 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

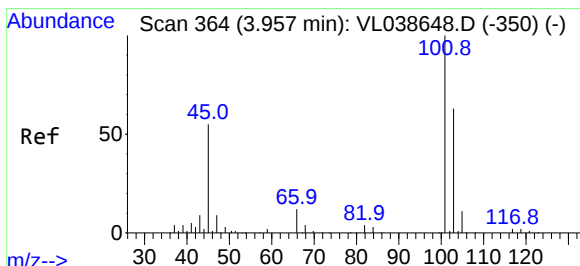
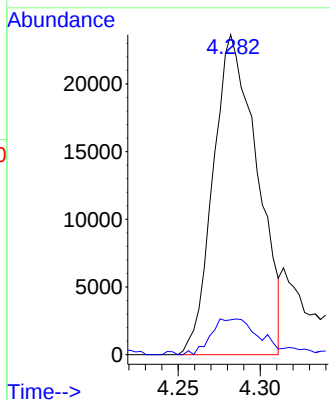
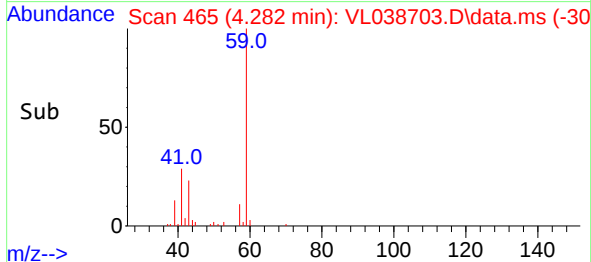
Instrument :
MSVOA_L
ClientSampleId :
COP90



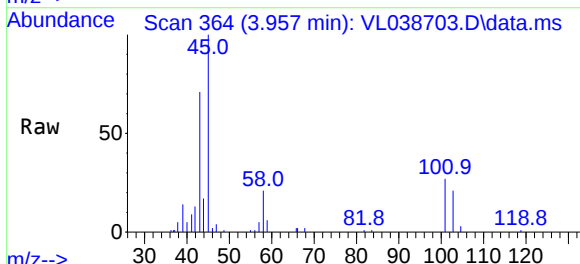
Tgt Ion: 59 Resp: 4405
Ion Ratio Lower Upper
59 100
57 14.2 8.2 12.2

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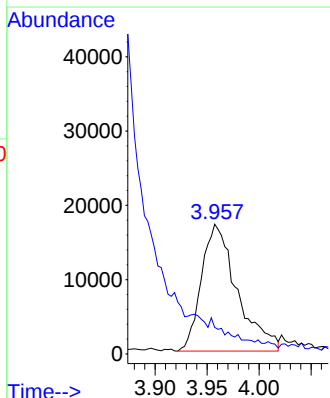
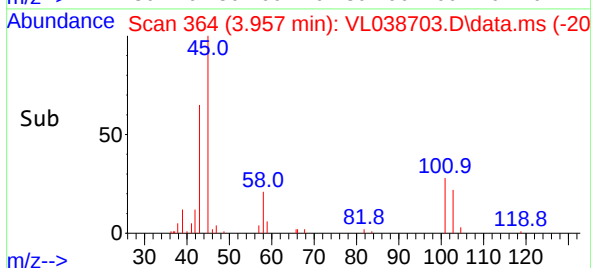
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022

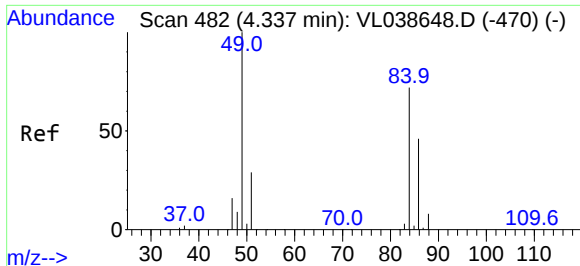


#19
Isopropyl Alcohol
Concen: 1.059 ppbv
RT: 3.957 min Scan# 364
Delta R.T. -0.000 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42



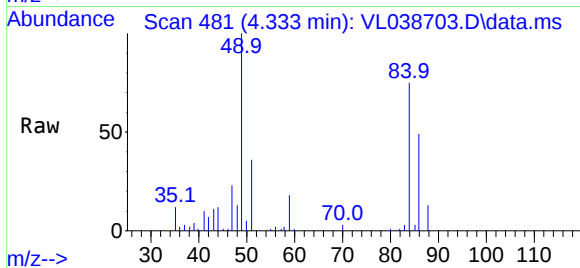
Tgt Ion: 45 Resp: 40958
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 0.796 ppbv m
RT: 4.333 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

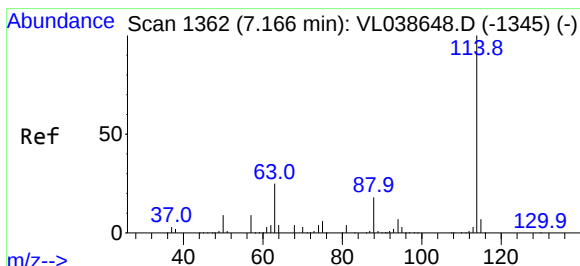
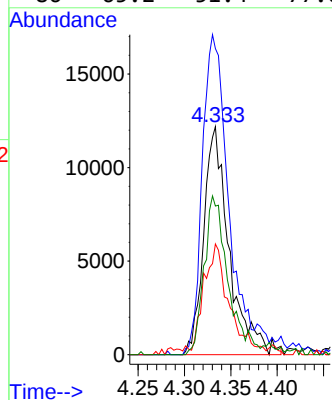
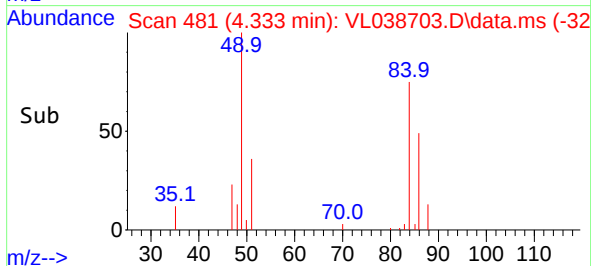
Instrument :
MSVOA_L
ClientSampleId :
COP90



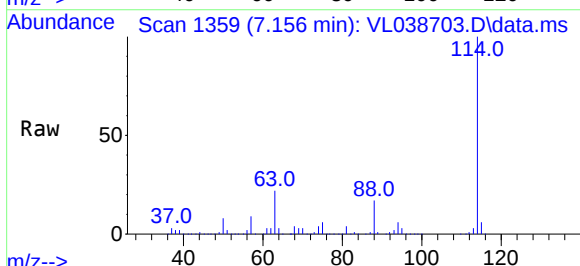
Tgt Ion: 84 Resp: 23370
Ion Ratio Lower Upper
84 100
49 134.2 111.2 166.8
51 48.6 32.8 49.2
86 65.2 51.4 77.0

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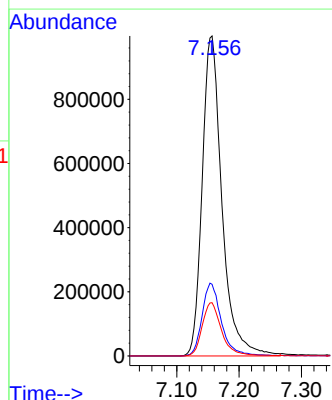
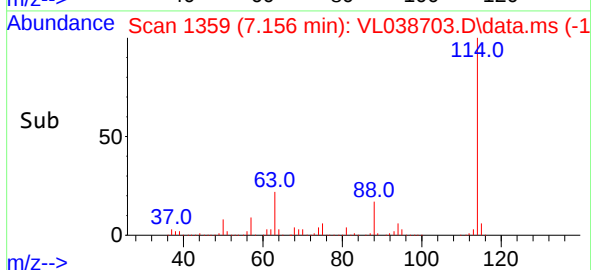
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022

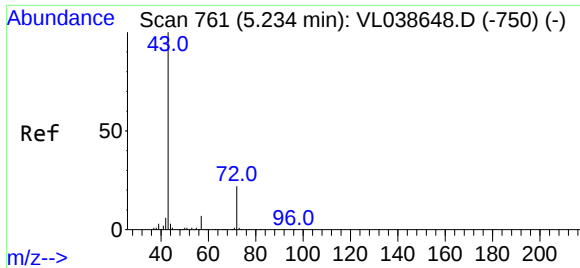


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42



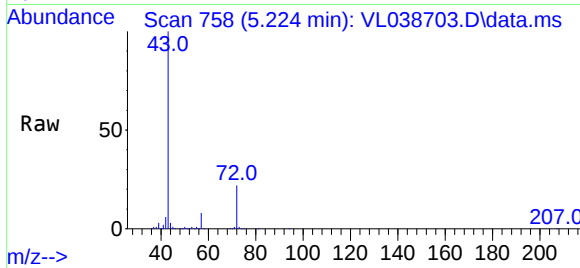
Tgt Ion:114 Resp: 2199929
Ion Ratio Lower Upper
114 100
63 22.3 19.4 29.0
88 16.5 13.9 20.9





#34
2-Butanone
Concen: 16.235 ppbv
RT: 5.224 min Scan# 71
Delta R.T. -0.010 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

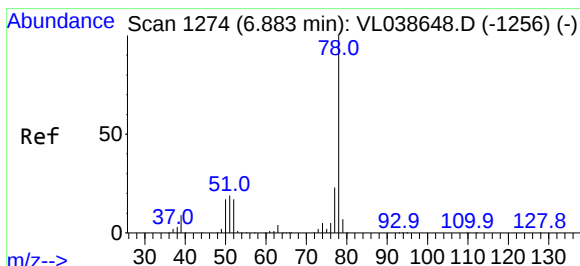
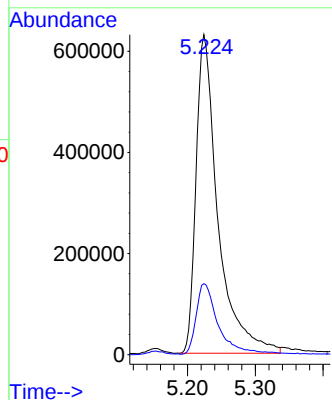
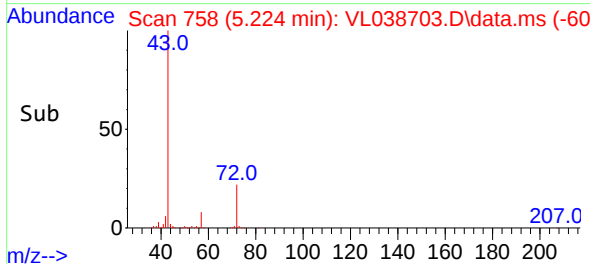
Instrument :
MSVOA_L
ClientSampleId :
COP90



Tgt Ion: 43 Resp: 141367
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.8

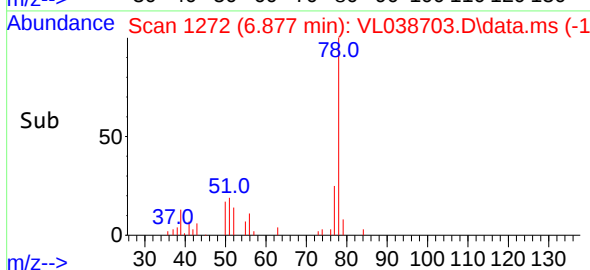
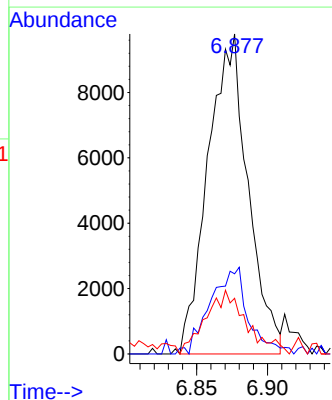
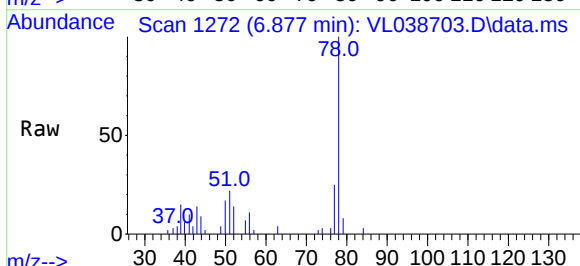
Manual Integrations
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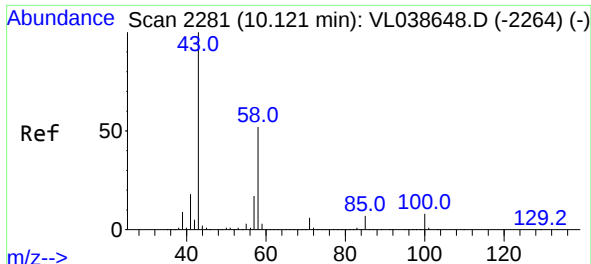
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#36
Benzene
Concen: 0.113 ppbv
RT: 6.877 min Scan# 1272
Delta R.T. -0.006 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

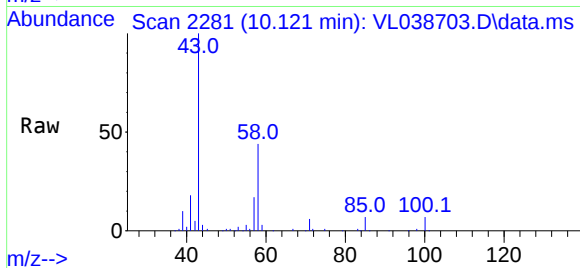
Tgt Ion: 78 Resp: 19233
Ion Ratio Lower Upper
78 100
77 23.2 18.1 27.1
50 17.4 13.6 20.4





#51
2-Hexanone
Concen: 1.163 ppbv
RT: 10.121 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

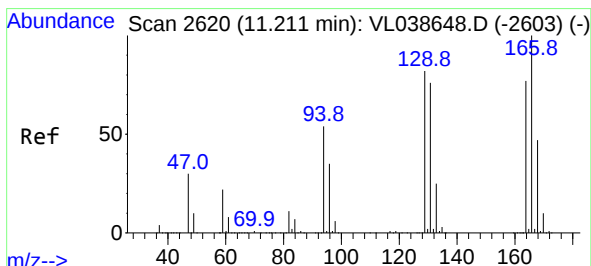
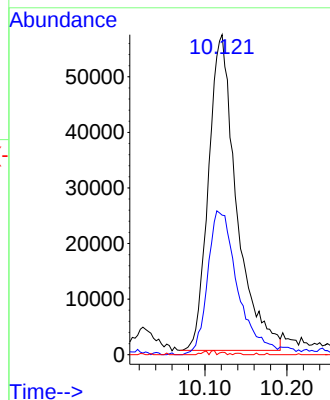
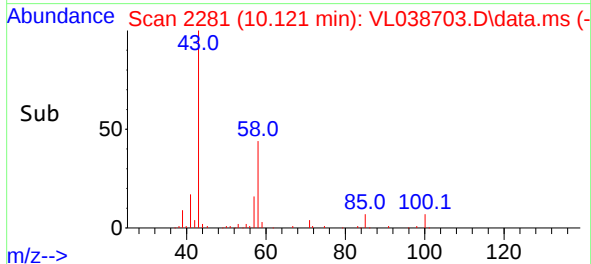
Instrument :
MSVOA_L
ClientSampleId :
COP90



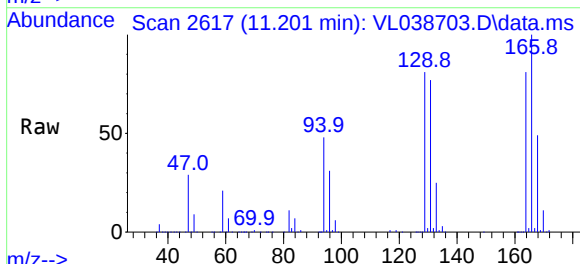
Tgt Ion: 43 Resp: 135185
Ion Ratio Lower Upper
43 100
58 50.4 41.2 61.8
98 0.7 0.2 0.4

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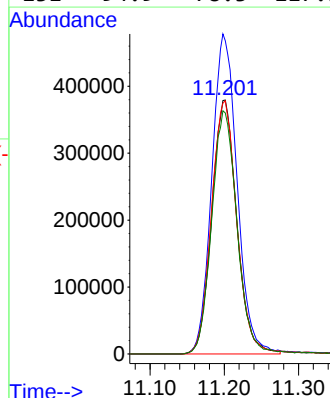
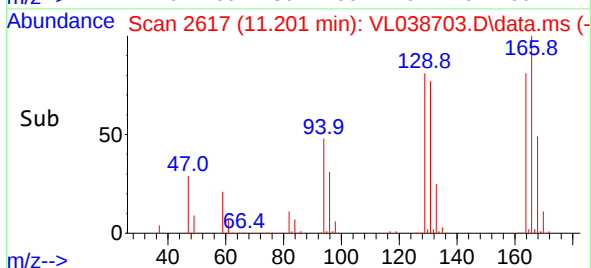
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022

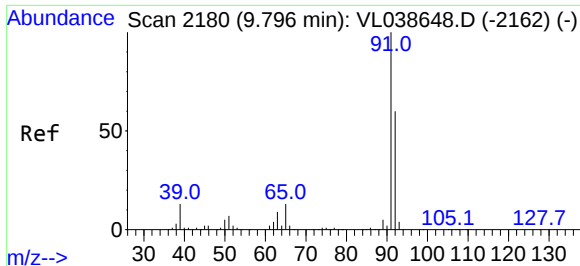


#52
Tetrachloroethene
Concen: 14.303 ppbv
RT: 11.201 min Scan# 2617
Delta R.T. -0.010 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42



Tgt Ion:164 Resp: 888705
Ion Ratio Lower Upper
164 100
166 123.3 103.3 154.9
129 99.7 85.2 127.8
131 94.9 78.3 117.5





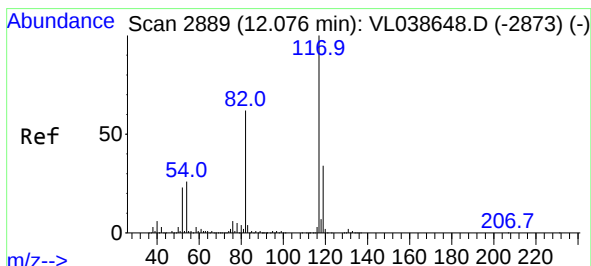
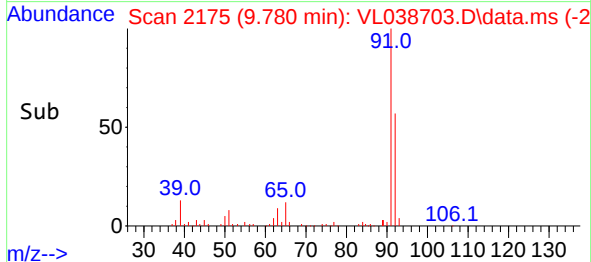
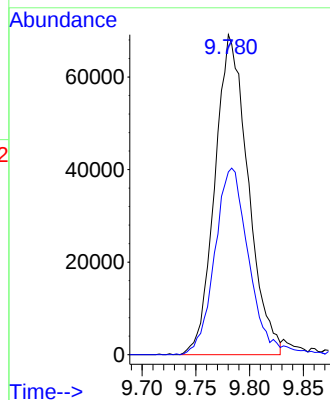
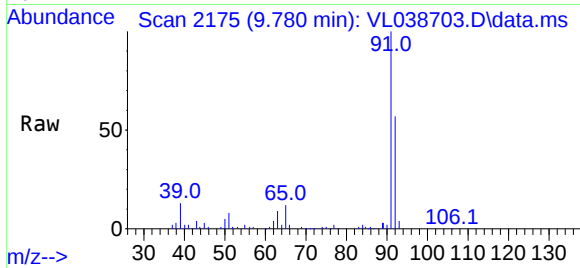
#53
Toluene
Concen: 0.814 ppbv
RT: 9.780 min Scan# 2180
Delta R.T. -0.016 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
COP90

Tgt Ion: 91 Resp: 148430
Ion Ratio Lower Upper
91 100
92 60.4 48.7 73.1

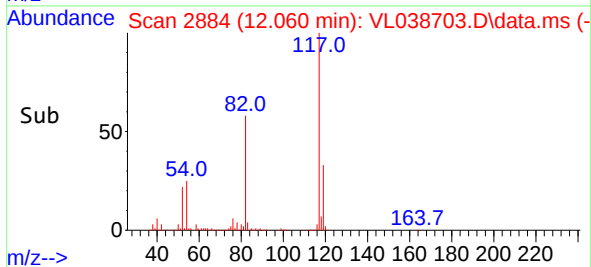
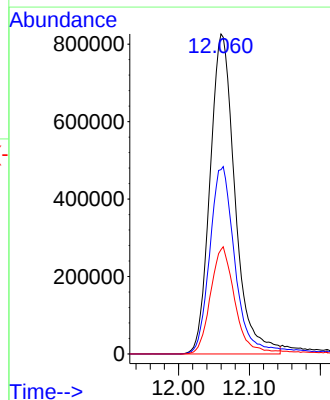
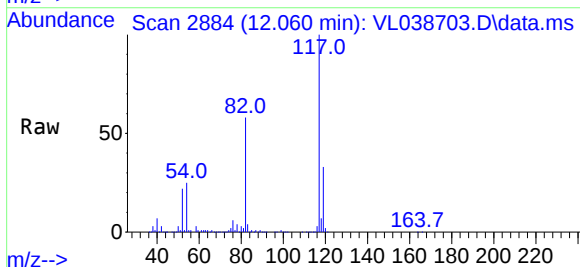
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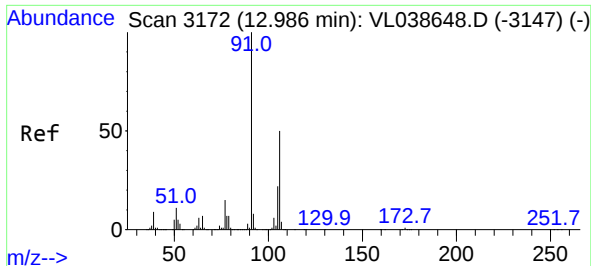
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 2884
Delta R.T. -0.016 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion:117 Resp: 2017761
Ion Ratio Lower Upper
117 100
82 62.3 51.6 77.4
119 34.3 26.9 40.3





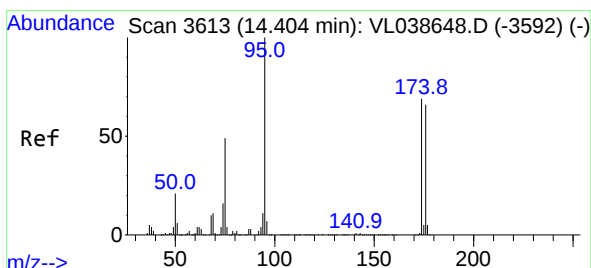
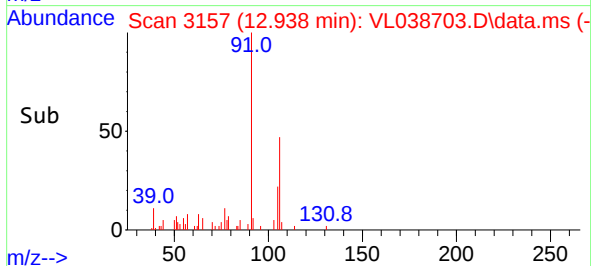
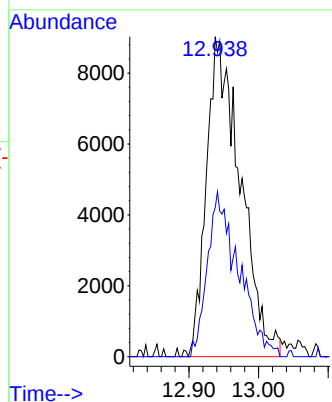
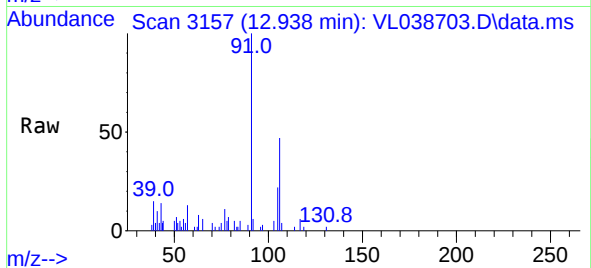
#59
m/p-Xylene
Concen: 0.148 ppbv m
RT: 12.938 min Scan# 3172
Delta R.T. -0.048 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
COP90

Tgt Ion: 91 Resp: 3061
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8

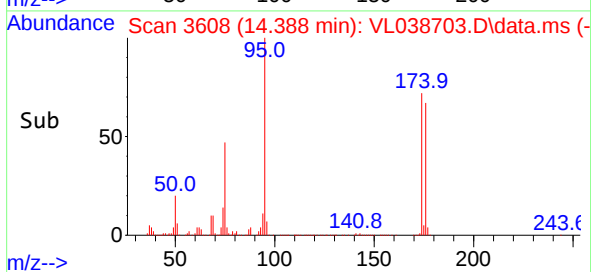
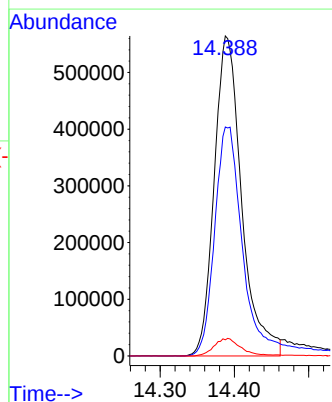
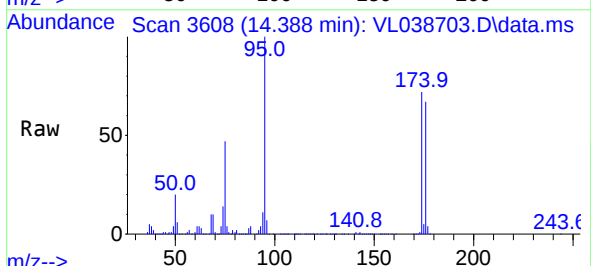
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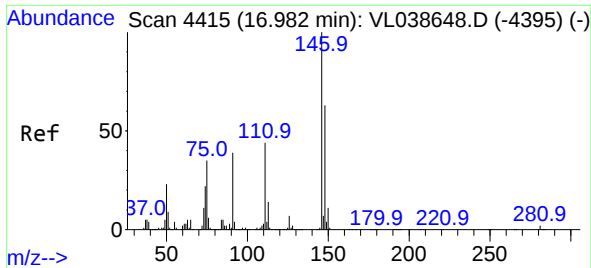
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.366 ppbv
RT: 14.388 min Scan# 3608
Delta R.T. -0.016 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 95 Resp: 1448842
Ion Ratio Lower Upper
95 100
174 77.3 56.1 84.1
175 5.8 4.2 6.2





#75

1,3-Dichlorobenzene

Concen: 0.374 ppbv m

RT: 16.973 min Scan# 4415

Delta R.T. -0.010 min

Lab File: VL038703.D

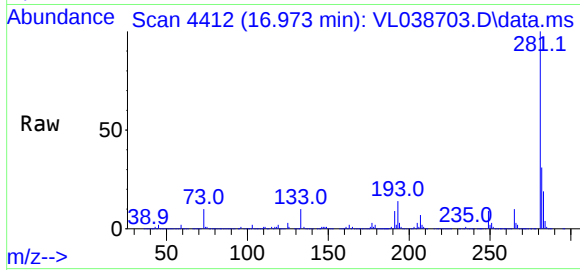
Acq: 23 Mar 2022 3:42

Instrument :

MSVOA_L

ClientSampleId :

COP90



Tgt Ion:	146	Resp:	5468
Ion	Ratio	Lower	Upper
146	100		
111	143.0	22.2	66.6
148	97.1	32.5	97.5

Manual Integrations

APPROVED

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

