

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038671.D
 Acq On : 22 Mar 2022 4:36
 Operator : SY/AP
 Sample : N1964-14
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P84

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 05:10:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 05:10:07 2022

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

Response via : Initial Calibration

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

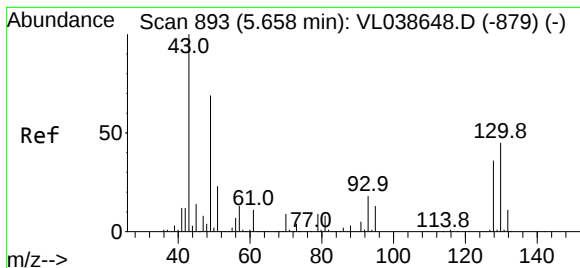
Internal Standards						
1) Bromochloromethane	5.658	49	832915	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2163567	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	1892419	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	1380191	9.513	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.051	85	29079	0.260	ppbv	92
3) Chlorodifluoromethane	2.986	51	32202m	0.366	ppbv	
4) Chloromethane	3.137	50	19516	0.404	ppbv	91
5) Vinyl Chloride	3.247	62	1840m	0.037	ppbv	
9) Propene	3.018	41	31358	0.738	ppbv	86
11) Trichlorofluoromethane	3.944	101	23163	0.234	ppbv	96
13) Ethanol	3.600	45	51040	10.895	ppbv	92
15) Acetone	3.845	43	152118	2.117	ppbv	94
17) tert-Butyl alcohol	4.301	59	7135m	0.114	ppbv	
19) Isopropyl Alcohol	3.970	45	16170m	0.406	ppbv	
20) Methylene Chloride	4.337	84	248423	8.206	ppbv	99
26) Hexane	5.677	57	107206	1.324	ppbv #	40
31) cis-1,2-Dichloroethene	5.539	61	106350	1.396	ppbv	92
34) 2-Butanone	5.237	43	87474m	1.021	ppbv	
35) Carbon Tetrachloride	7.009	117	4245m	0.034	ppbv	
41) Tetrahydrofuran	6.047	42	68638	1.077	ppbv	98
52) Tetrachloroethene	11.208	164	7592m	0.124	ppbv	
53) Toluene	9.793	91	502951	2.803	ppbv	99

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

Manual Integrations

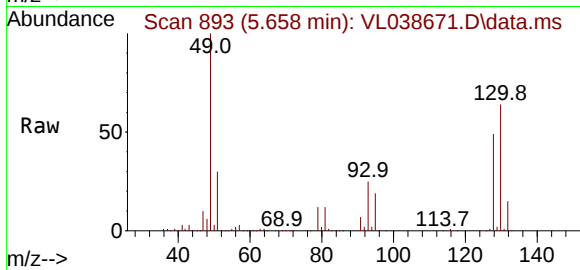
Quant Time: Mar 22 05:10:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

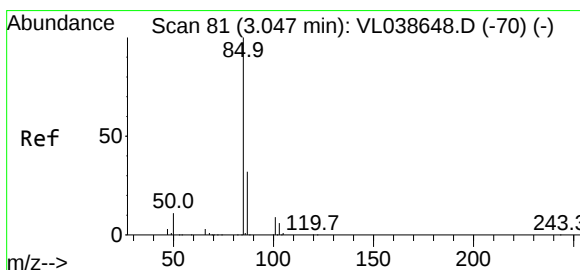
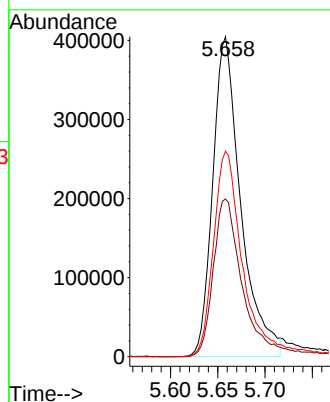
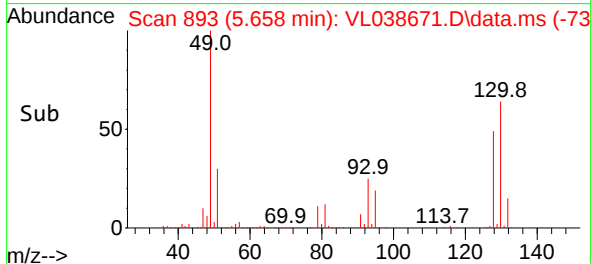
Instrument : MSVOA_L
ClientSampleId : C0P84



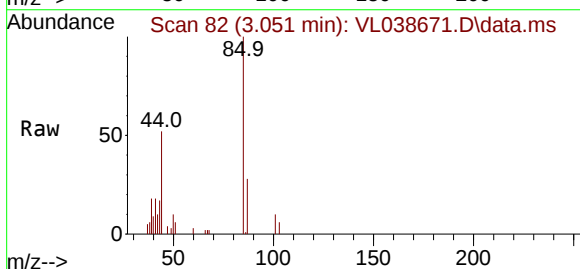
Tgt Ion: 49 Resp: 832915
Ion Ratio Lower Upper
49 100
128 53.5 26.2 78.6
130 69.8 33.7 101.1

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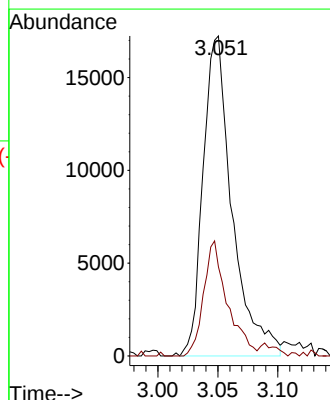
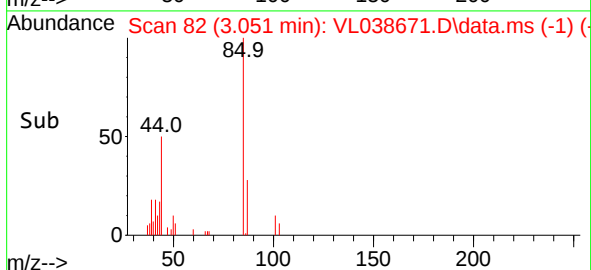
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

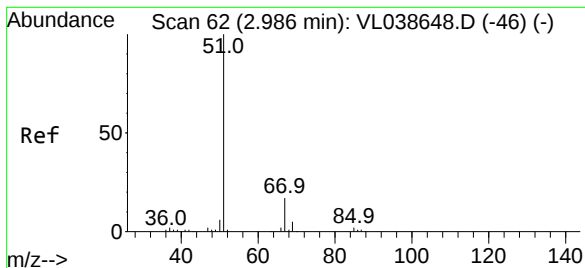


#2
Dichlorodifluoromethane
Concen: 0.260 ppbv
RT: 3.051 min Scan# 82
Delta R.T. 0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36



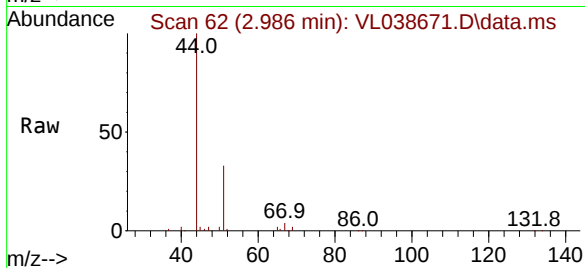
Tgt Ion: 85 Resp: 29079
Ion Ratio Lower Upper
85 100
87 27.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.366 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

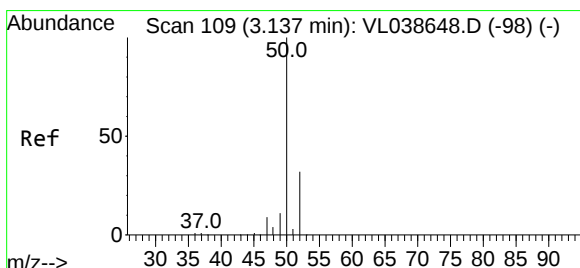
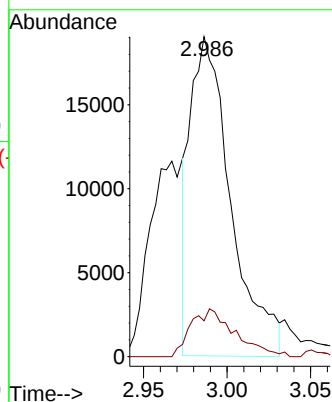
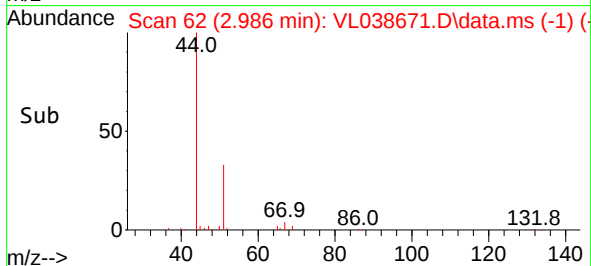
Instrument :
MSVOA_L
ClientSampleId :
COP84



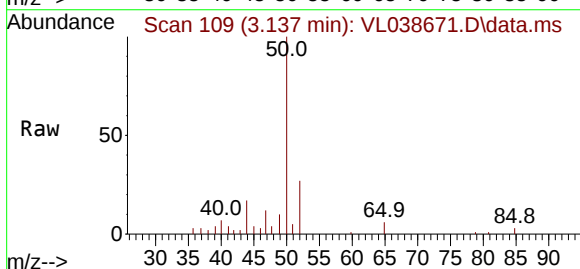
Tgt Ion: 51 Resp: 3220
Ion Ratio Lower Upper
51 100
67 16.2 14.1 21.1

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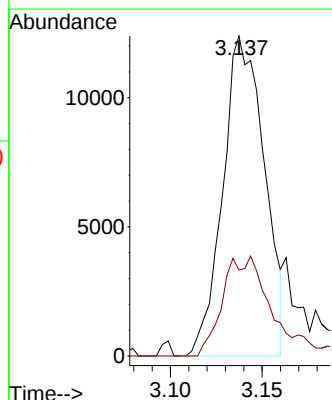
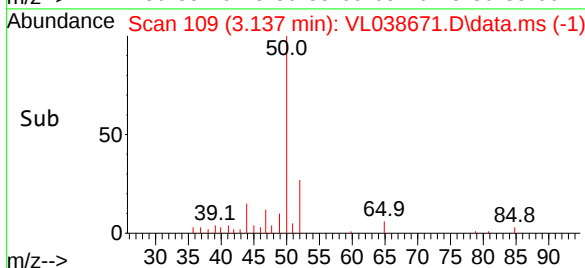
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

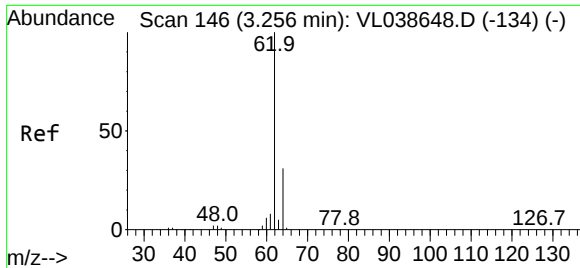


#4
Chloromethane
Concen: 0.404 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36



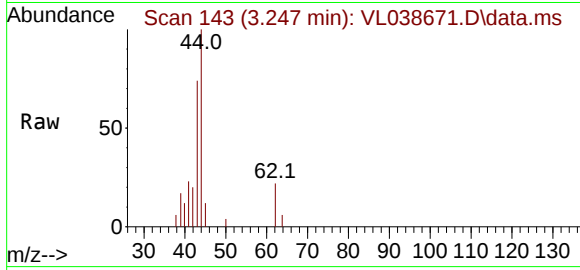
Tgt Ion: 50 Resp: 19516
Ion Ratio Lower Upper
50 100
52 26.8 25.5 38.3





#5
 Vinyl Chloride
 Concen: 0.037 ppbv m
 RT: 3.247 min Scan# 14
 Delta R.T. -0.010 min
 Lab File: VL038671.D
 Acq: 22 Mar 2022 4:36

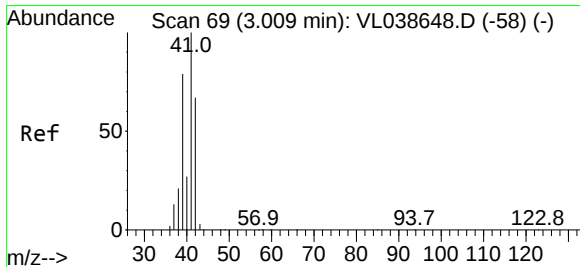
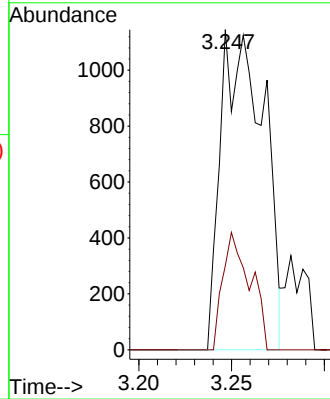
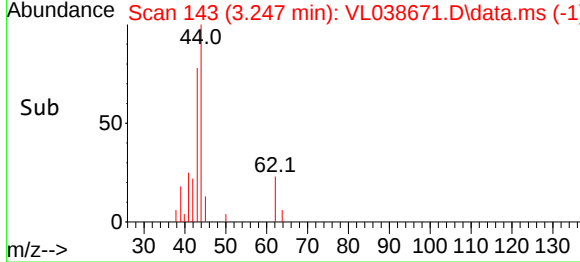
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P84



Tgt Ion: 62 Resp: 1840
 Ion Ratio Lower Upper
 62 100
 64 26.3 25.0 37.4

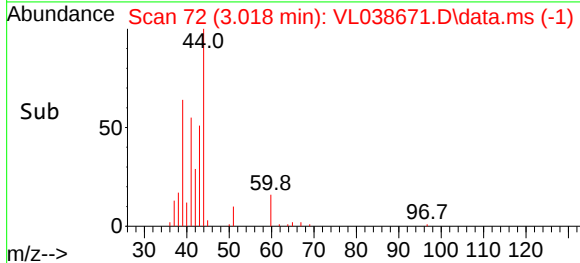
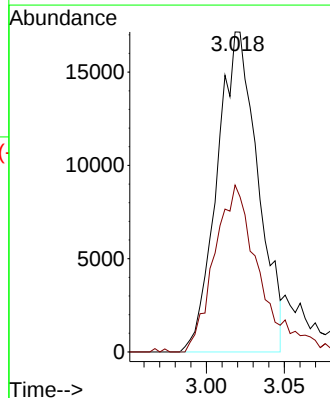
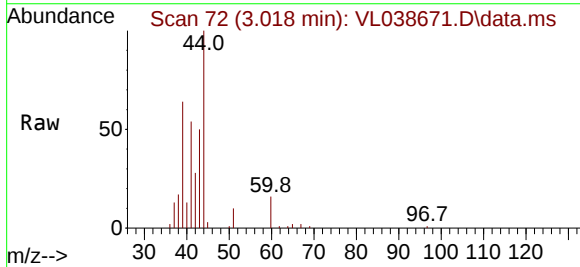
Manual Integrations
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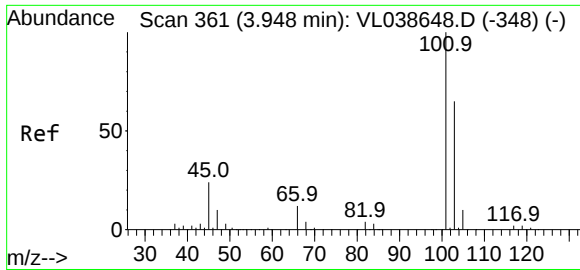
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#9
 Propene
 Concen: 0.738 ppbv
 RT: 3.018 min Scan# 72
 Delta R.T. 0.010 min
 Lab File: VL038671.D
 Acq: 22 Mar 2022 4:36

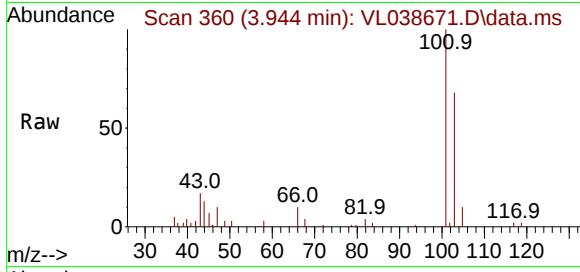
Tgt Ion: 41 Resp: 31358
 Ion Ratio Lower Upper
 41 100
 42 59.1 56.2 84.4





#11
Trichlorofluoromethane
Concen: 0.234 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

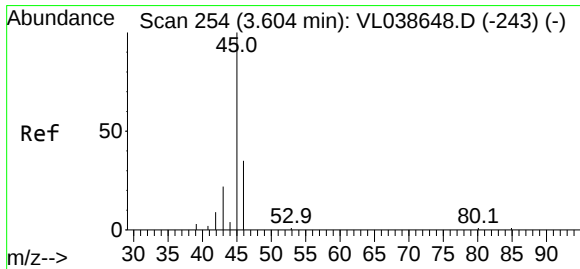
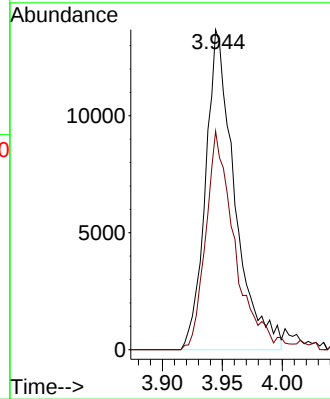
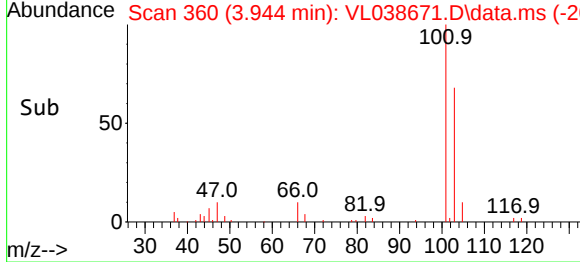
Instrument :
MSVOA_L
ClientSampleId :
COP84



Tgt Ion:101 Resp: 2316
Ion Ratio Lower Upper
101 100
103 68.3 51.9 77.9

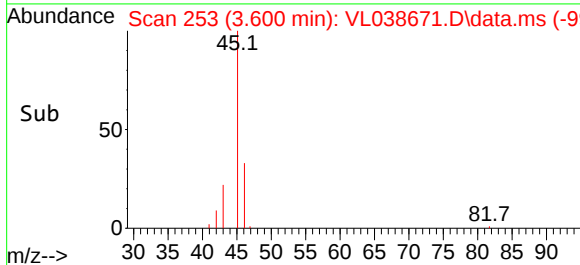
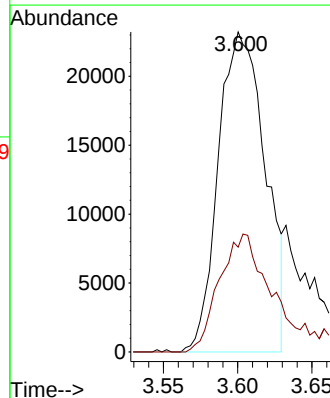
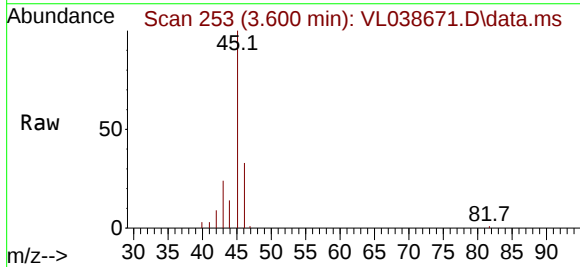
Manual Integrations
APPROVED

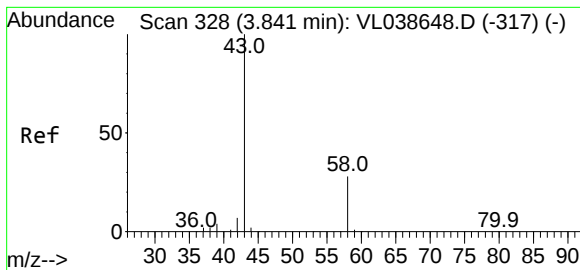
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#13
Ethanol
Concen: 10.895 ppbv
RT: 3.600 min Scan# 253
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

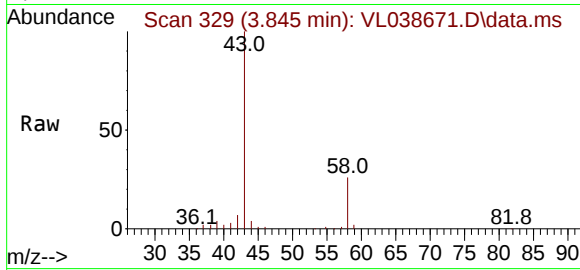
Tgt Ion: 45 Resp: 51040
Ion Ratio Lower Upper
45 100
46 42.6 15.1 60.5





#15
Acetone
Concen: 2.117 ppbv
RT: 3.845 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

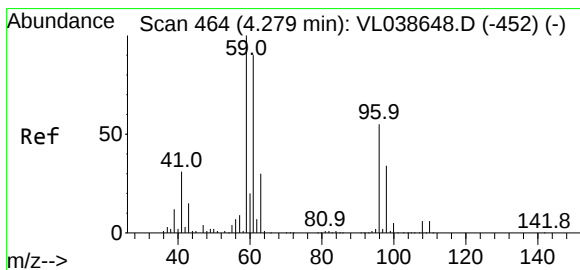
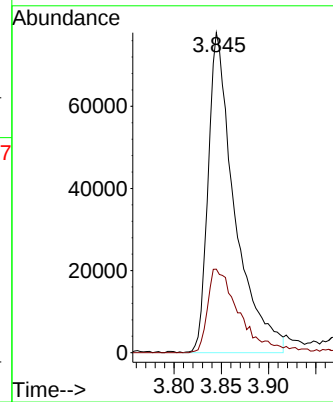
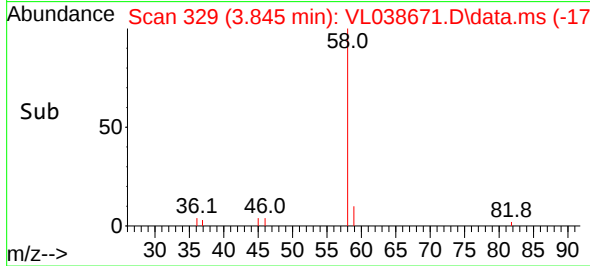
Instrument :
MSVOA_L
ClientSampleId :
COP84



Tgt Ion: 43 Resp: 152118
Ion Ratio Lower Upper
43 100
58 32.3 23.3 34.9

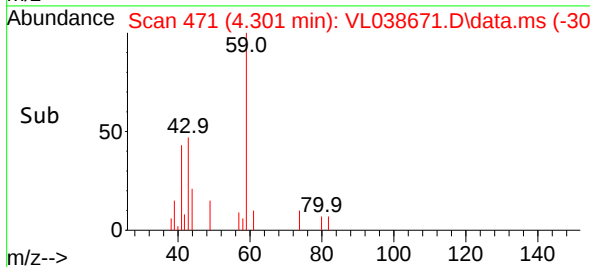
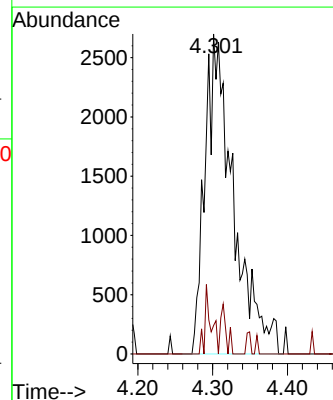
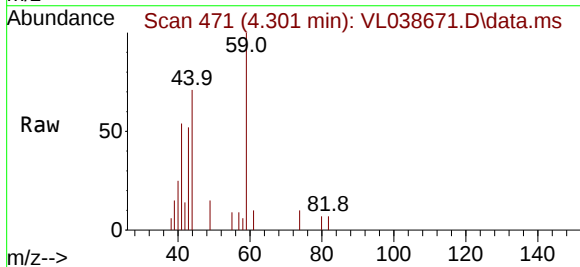
Manual Integrations
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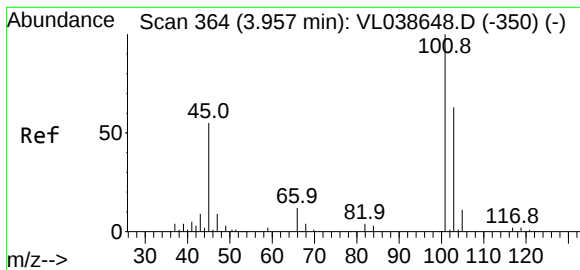
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#17
tert-Butyl alcohol
Concen: 0.114 ppbv m
RT: 4.301 min Scan# 471
Delta R.T. 0.022 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

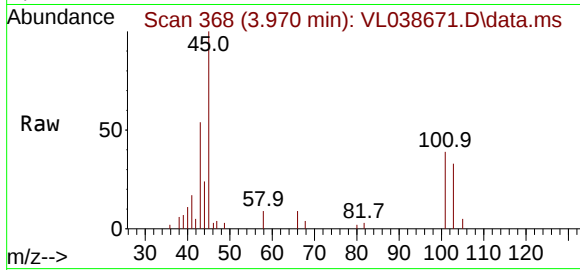
Tgt Ion: 59 Resp: 7135
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.2#





#19
Isopropyl Alcohol
Concen: 0.406 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.013 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

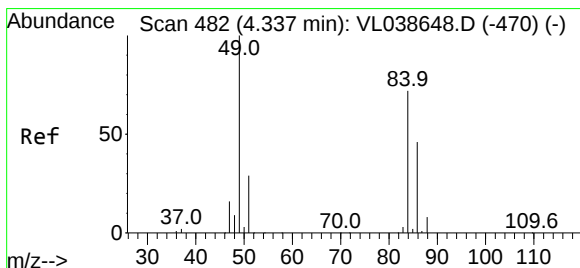
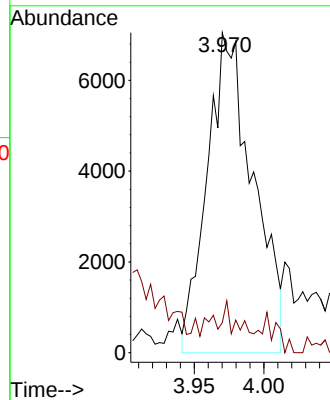
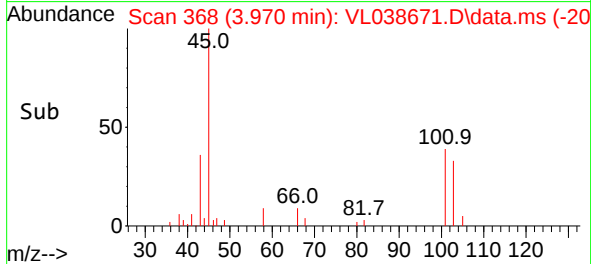
Instrument :
MSVOA_L
ClientSampleId :
COP84



Tgt Ion: 45 Resp: 16170
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5

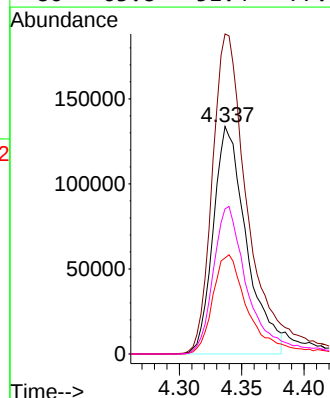
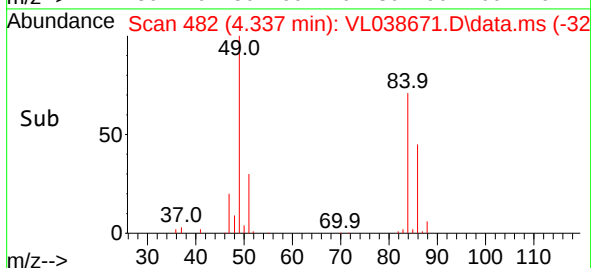
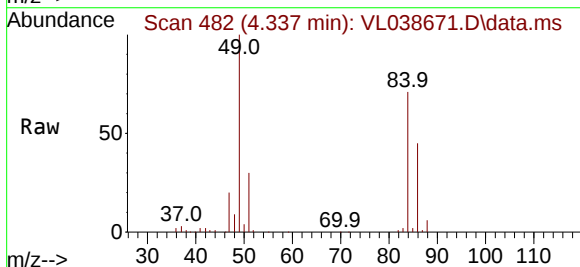
Manual Integrations
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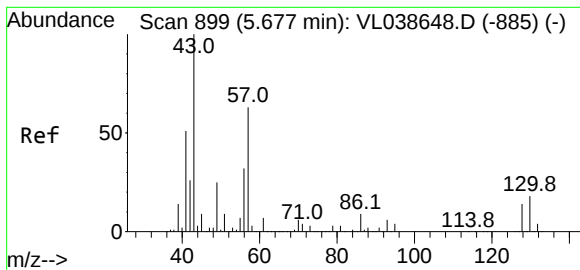
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#20
Methylene Chloride
Concen: 8.206 ppbv
RT: 4.337 min Scan# 482
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

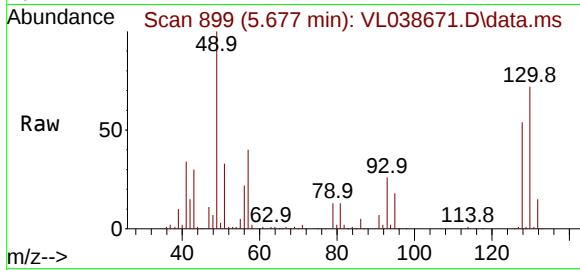
Tgt Ion: 84 Resp: 248423
Ion Ratio Lower Upper
84 100
49 140.4 111.2 166.8
51 42.2 32.8 49.2
86 63.8 51.4 77.0





#26
Hexane
Concen: 1.324 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

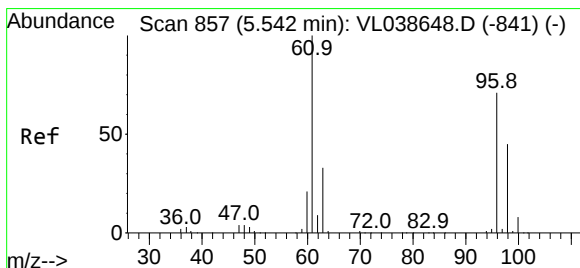
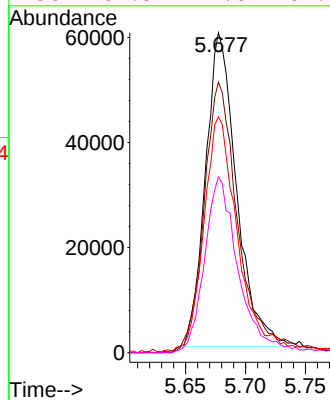
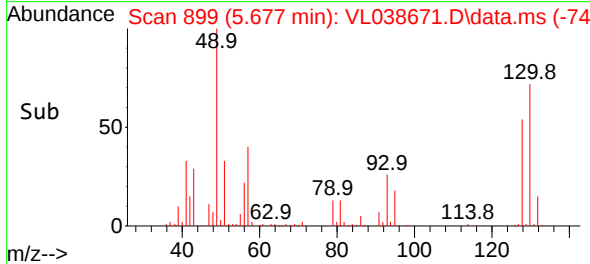
Instrument : MSVOA_L
ClientSampleId : C0P84



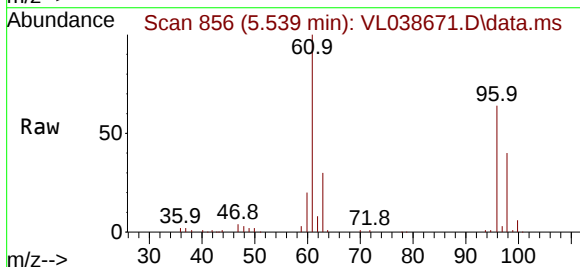
Tgt Ion: 57 Resp: 107200
Ion Ratio Lower Upper
57 100
41 96.0 67.0 100.4
43 84.6 184.2 276.2
56 61.5 42.6 64.0

Manual Integrations
APPROVED

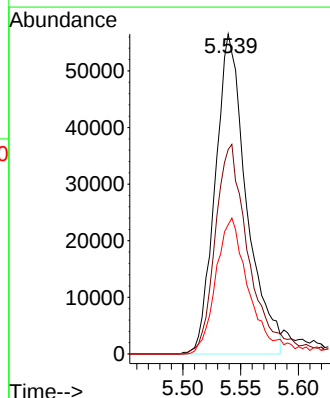
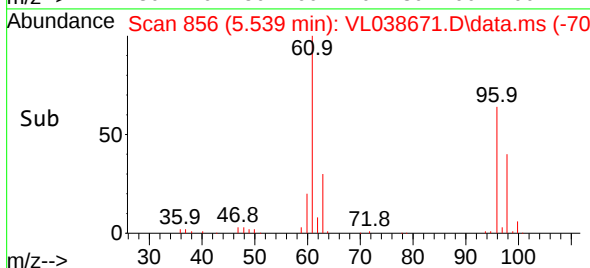
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

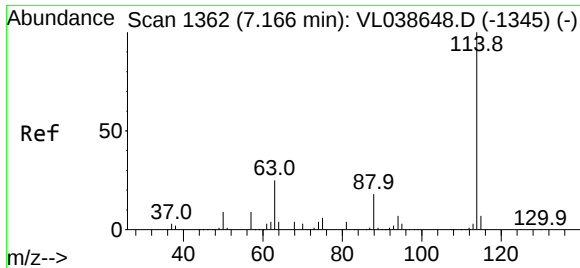


#31
cis-1,2-Dichloroethene
Concen: 1.396 ppbv
RT: 5.539 min Scan# 856
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36



Tgt Ion: 61 Resp: 106350
Ion Ratio Lower Upper
61 100
96 63.9 56.6 84.8
98 40.4 36.3 54.5





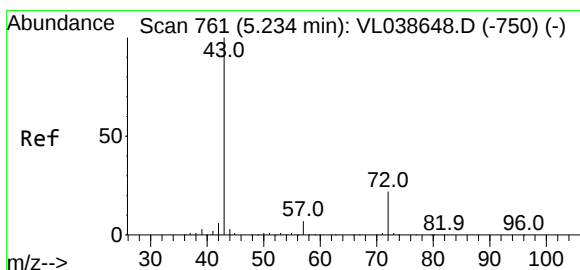
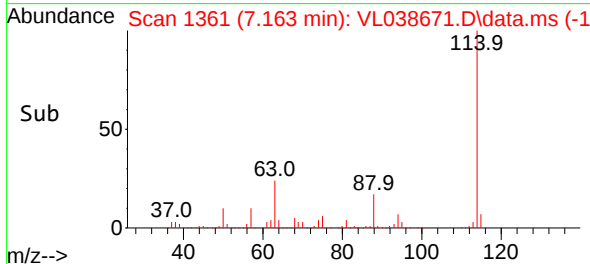
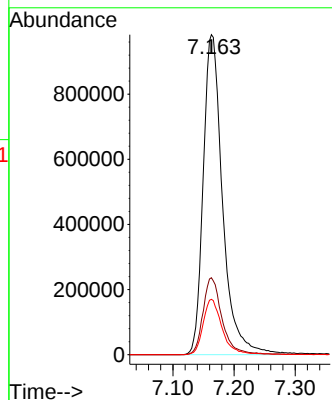
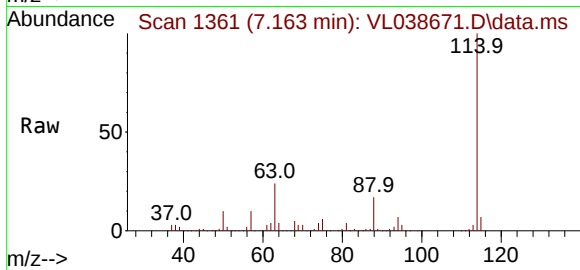
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 1114
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

Instrument :
MSVOA_L
ClientSampleId :
COP84

Tgt Ion:114 Resp: 216356
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.1 13.9 20.9

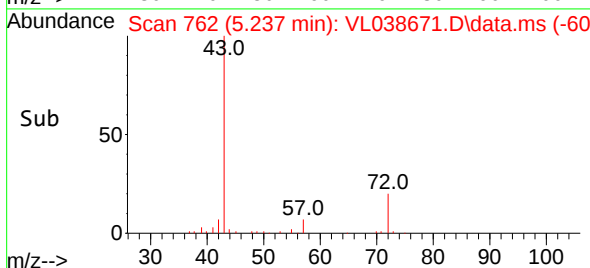
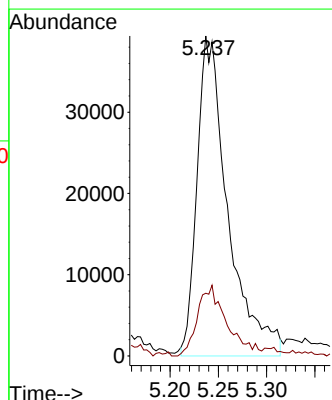
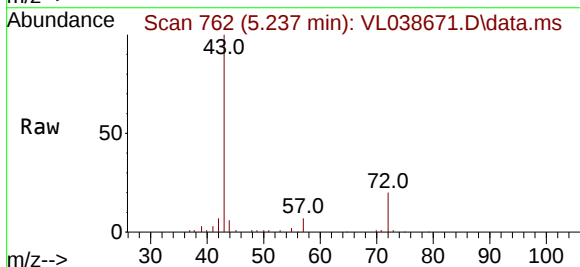
Manual Integrations
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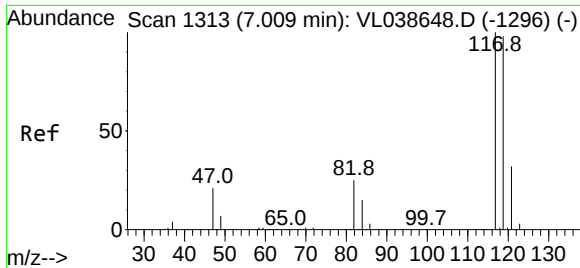
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#34
2-Butanone
Concen: 1.021 ppbv m
RT: 5.237 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

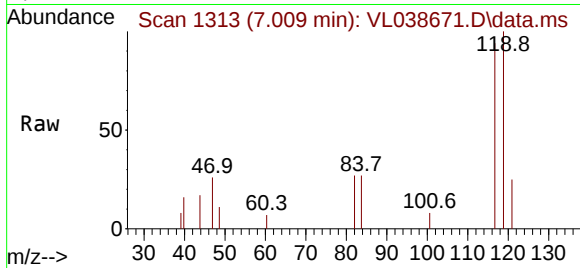
Tgt Ion: 43 Resp: 87474
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 7.009 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

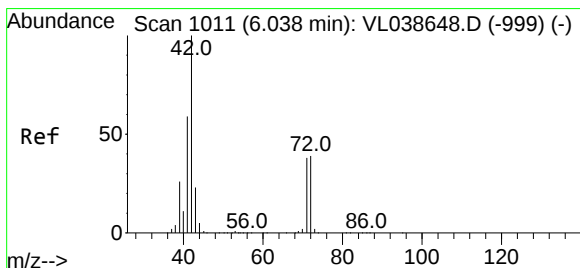
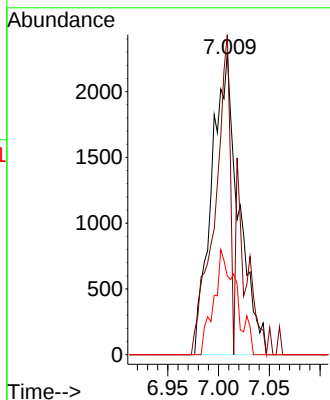
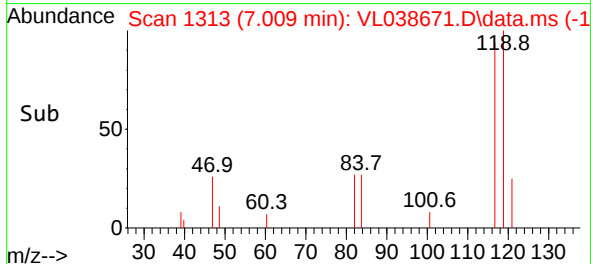
Instrument :
MSVOA_L
ClientSampleId :
COP84



Tgt Ion: 117 Resp: 424
Ion Ratio Lower Upper
117 100
119 105.9 78.1 117.1
121 26.0 25.8 38.6

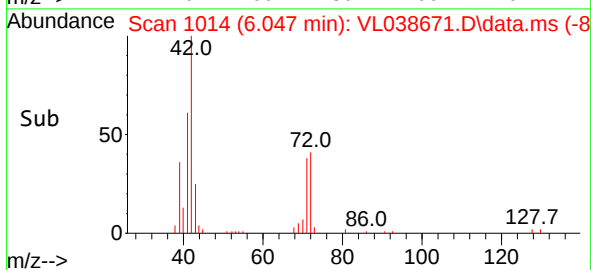
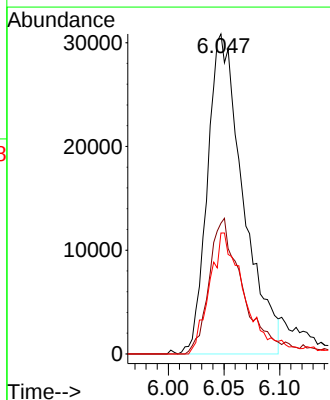
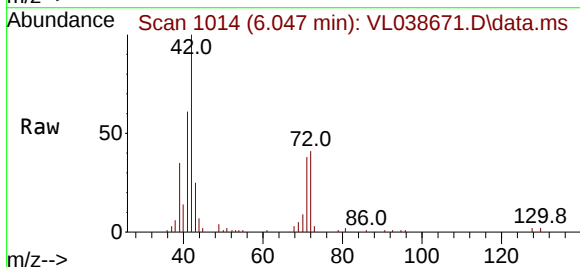
Manual Integrations
APPROVED

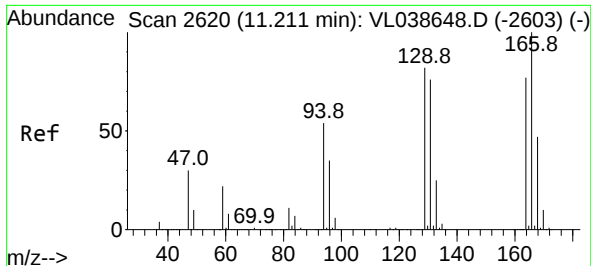
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#41
Tetrahydrofuran
Concen: 1.077 ppbv
RT: 6.047 min Scan# 1014
Delta R.T. 0.010 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

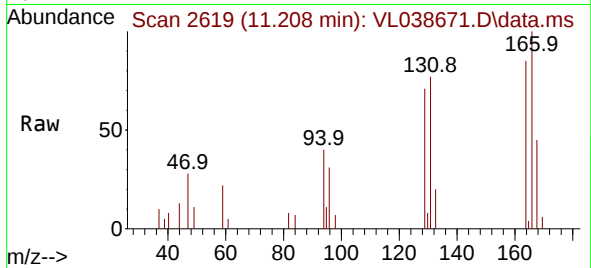
Tgt Ion: 42 Resp: 68638
Ion Ratio Lower Upper
42 100
72 42.4 32.5 48.7
71 39.2 31.4 47.2





#52
Tetrachloroethene
Concen: 0.124 ppbv m
RT: 11.208 min Scan# 2179
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

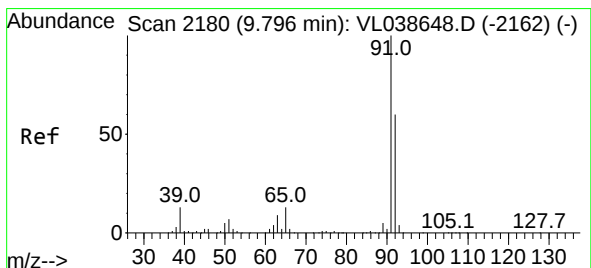
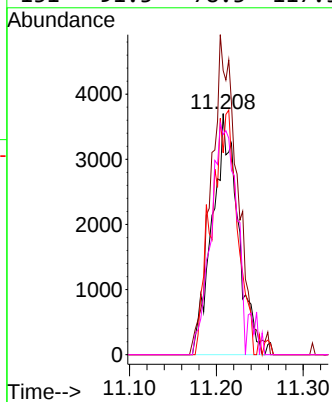
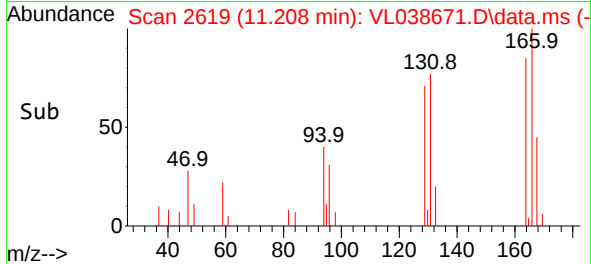
Instrument :
MSVOA_L
ClientSampleId :
COP84



Tgt Ion:164 Resp: 7592
Ion Ratio Lower Upper
164 100
166 117.9 103.3 154.9
129 83.8 85.2 127.8
131 91.3 78.3 117.5

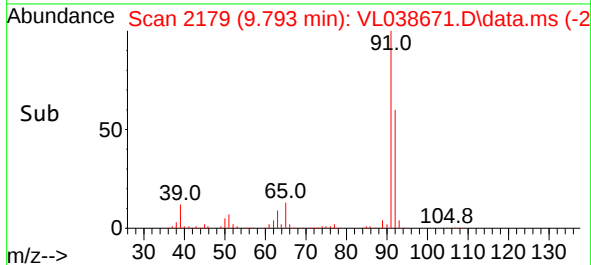
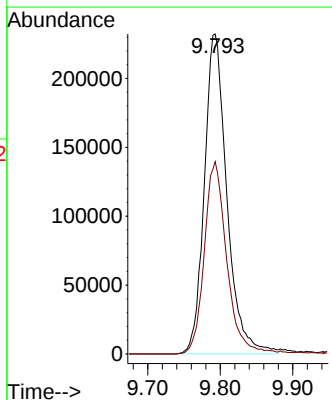
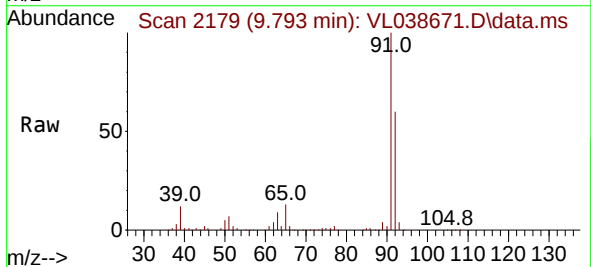
Manual Integrations
APPROVED

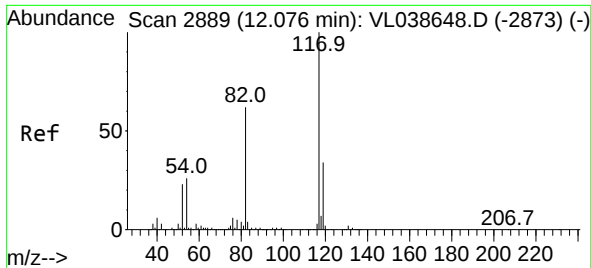
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#53
Toluene
Concen: 2.803 ppbv
RT: 9.793 min Scan# 2179
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

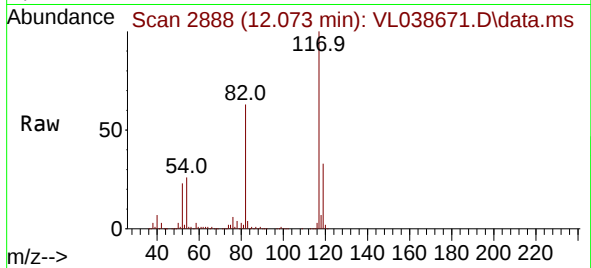
Tgt Ion: 91 Resp: 502951
Ion Ratio Lower Upper
91 100
92 60.4 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2888
Delta R.T. -0.003 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36

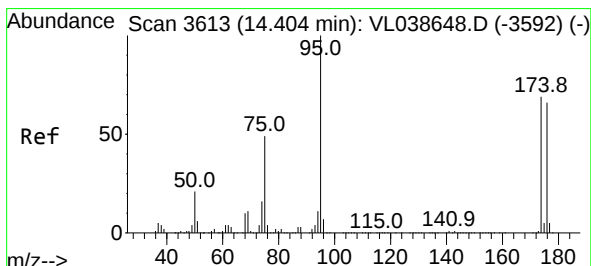
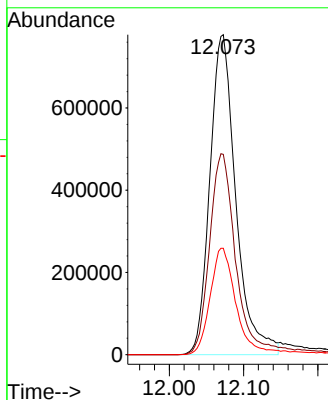
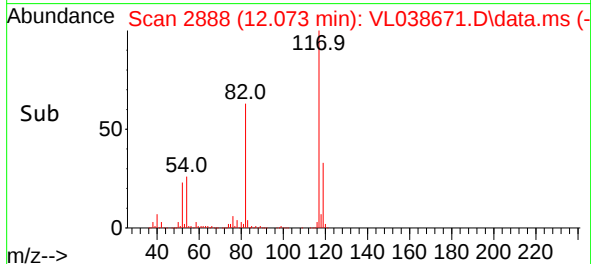
Instrument :
MSVOA_L
ClientSampleId :
COP84



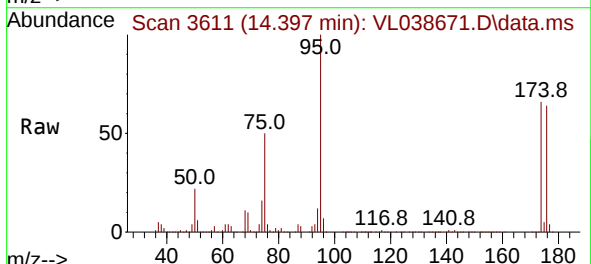
Tgt Ion: 117 Resp: 1892419
Ion Ratio Lower Upper
117 100
82 67.2 51.6 77.4
119 35.2 26.9 40.3

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.513 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.006 min
Lab File: VL038671.D
Acq: 22 Mar 2022 4:36



Tgt Ion: 95 Resp: 1380191
Ion Ratio Lower Upper
95 100
174 73.9 56.1 84.1
175 5.4 4.2 6.2

